

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056781.D
 Acq On : 16 Jul 2019 20:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 17 01:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	438675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	202054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	176415	50.45	ug/l	0.00
Spiked Amount						
			Recovery	=	100.90%	
35) Dibromofluoromethane	7.59	113	155634	50.69	ug/l	0.00
Spiked Amount						
			Recovery	=	101.38%	
50) Toluene-d8	10.09	98	594298	50.12	ug/l	0.00
Spiked Amount						
			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	203026	50.77	ug/l	0.00
Spiked Amount						
			Recovery	=	101.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	137350	46.272	ug/l	98
3) Chloromethane	2.06	50	186420	46.712	ug/l	99
4) Vinyl Chloride	2.18	62	181498	47.227	ug/l	99
5) Bromomethane	2.55	94	108287	47.915	ug/l	98
6) Chloroethane	2.69	64	104746	46.773	ug/l	96
7) Trichlorofluoromethane	3.01	101	235989	47.856	ug/l	98
8) Diethyl Ether	3.41	74	96733	50.315	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	144773	48.866	ug/l	100
10) Methyl Iodide	3.95	142	205681	51.904	ug/l	99
11) Tert butyl alcohol	4.79	59	152550	262.100	ug/l	98
12) 1,1-Dichloroethene	3.73	96	144850	48.743	ug/l	98
13) Acrolein	3.61	56	48940	246.349	ug/l	99
14) Allyl chloride	4.32	41	249935	48.633	ug/l	99
15) Acrylonitrile	4.99	53	429974	255.813	ug/l	100
16) Acetone	3.82	43	336989	209.131	ug/l	99
17) Carbon Disulfide	4.05	76	356913	45.450	ug/l	99
18) Methyl Acetate	4.32	43	187075	51.725	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	471753	49.823	ug/l	100
20) Methylene Chloride	4.55	84	171757	48.776	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	155995	49.660	ug/l	96
22) Diisopropyl ether	5.95	45	515235	50.792	ug/l	97
23) Vinyl Acetate	5.90	43	2169354	263.906	ug/l	100
24) 1,1-Dichloroethane	5.85	63	292524	49.738	ug/l	99
25) 2-Butanone	6.84	43	574993	244.071	ug/l	99
26) 2,2-Dichloropropane	6.82	77	194601	45.890	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	185465	51.311	ug/l	98
28) Bromochloromethane	7.19	49	141886	51.311	ug/l	100
29) Tetrahydrofuran	7.21	42	387251	252.026	ug/l	98
30) Chloroform	7.37	83	288834	49.077	ug/l	99
31) Cyclohexane	7.65	56	270962	48.473	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	237863	51.105	ug/l	99
36) 1,1-Dichloropropene	7.79	75	216839	47.495	ug/l	100
37) Ethyl Acetate	6.93	43	229121	50.919	ug/l	99
38) Carbon Tetrachloride	7.77	117	202886	47.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270741	48.027	ug/l	99
40) Benzene	8.04	78	673878	48.173	ug/l	99
41) Methacrylonitrile	7.21	41	335030	169.503	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	216845	49.048	ug/l	100
43) Isopropyl Acetate	8.17	43	371769	52.555	ug/l	98
44) Trichloroethene	8.84	130	184891	48.672	ug/l	94
45) 1,2-Dichloropropane	9.12	63	180698	48.613	ug/l	97
46) Dibromomethane	9.21	93	116886	50.743	ug/l	98
47) Bromodichloromethane	9.40	83	220921	50.470	ug/l	98
48) Methyl methacrylate	9.20	41	174915	51.129	ug/l	100
49) 1,4-Dioxane	9.20	88	74075	1055.257	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1155490	252.198	ug/l	100
52) Toluene	10.16	92	415089	49.964	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	234355	51.317	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	267793	50.532	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	170094	48.814	ug/l	99
56) Ethyl methacrylate	10.43	69	263277	52.511	ug/l	99
57) 1,3-Dichloropropane	10.71	76	282936	49.716	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	610133	253.066	ug/l	99
59) 2-Hexanone	10.75	43	836923	254.576	ug/l	99
60) Dibromochloromethane	10.90	129	175577	51.234	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178062	51.419	ug/l	99
64) Tetrachloroethene	10.63	164	179475	47.423	ug/l	99
65) Chlorobenzene	11.43	112	446265	49.752	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	166035	50.275	ug/l	99
67) Ethyl Benzene	11.51	91	783902	49.729	ug/l	99
68) m/p-Xylenes	11.62	106	594652	100.939	ug/l	99
69) o-Xylene	11.95	106	285386	49.274	ug/l	98
70) Styrene	11.96	104	488723	52.194	ug/l	100
71) Bromoform	12.12	173	128426	51.108	ug/l #	97
73) Isopropylbenzene	12.25	105	770637	47.302	ug/l	99
74) N-amyl acetate	12.07	43	294769	48.582	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	245694	52.164	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	300726	68.049	ug/l #	100
77) Bromobenzene	12.53	156	200739	47.108	ug/l	98
78) n-propylbenzene	12.59	91	849014	46.941	ug/l	100
79) 2-Chlorotoluene	12.67	91	510986	51.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	649954	47.071	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70895	49.544	ug/l	100
82) 4-Chlorotoluene	12.77	91	505758	47.649	ug/l	99
83) tert-Butylbenzene	12.99	119	553562	51.471	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	642717	47.646	ug/l	100
85) sec-Butylbenzene	13.17	105	727353	47.406	ug/l	100
86) p-Isopropyltoluene	13.29	119	662457	47.661	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334073	47.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	323632	47.642	ug/l	99
89) n-Butylbenzene	13.61	91	545703	48.741	ug/l	100
90) Hexachloroethane	13.87	117	105871	47.102	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	336991	47.182	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42239	48.350	ug/l	97

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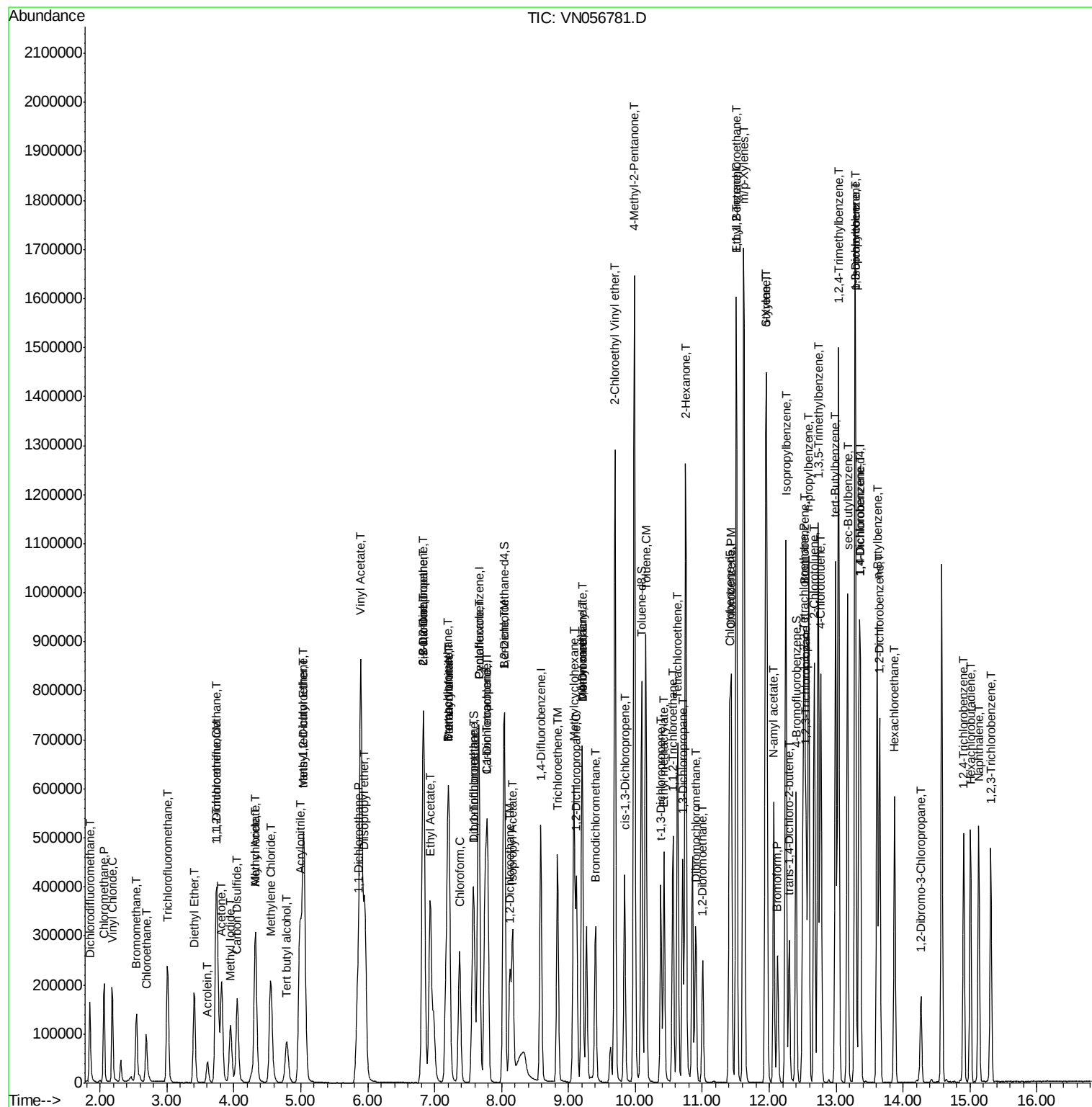
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	175965	44.994	ug/l	99
94) Hexachlorobutadiene	15.01	225	113539	50.613	ug/l	100
95) Naphthalene	15.13	128	460902	43.247	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	176010	45.264	ug/l	99

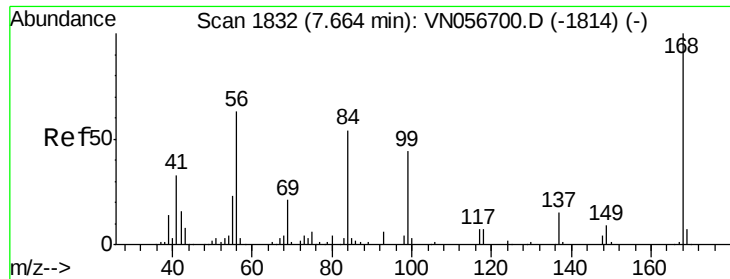
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

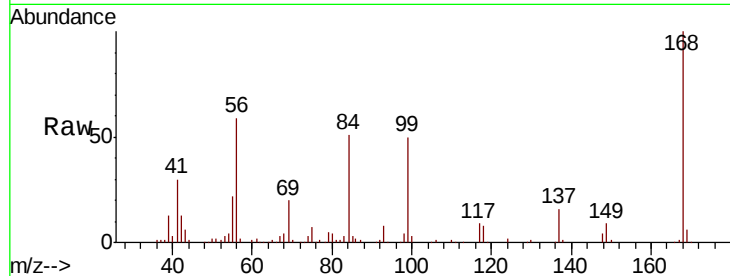
VSTDCCC050EC

Tot Ion:168 Resp: 316120

Ion Ratio Lower Upper

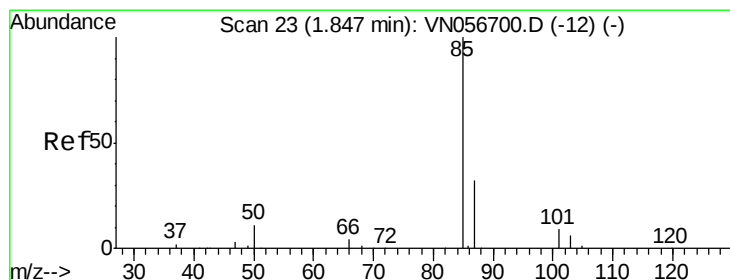
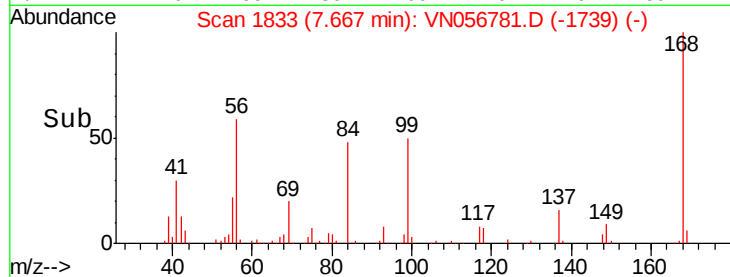
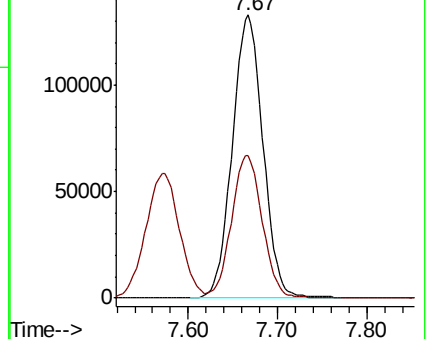
168 100

99 50.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.272 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056781.D

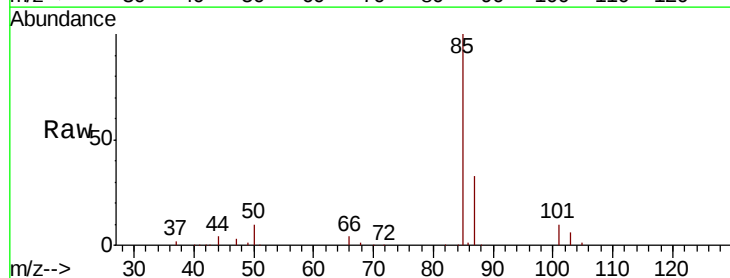
Acq: 16 Jul 2019 20:02

Tgt Ion: 85 Resp: 137350

Ion Ratio Lower Upper

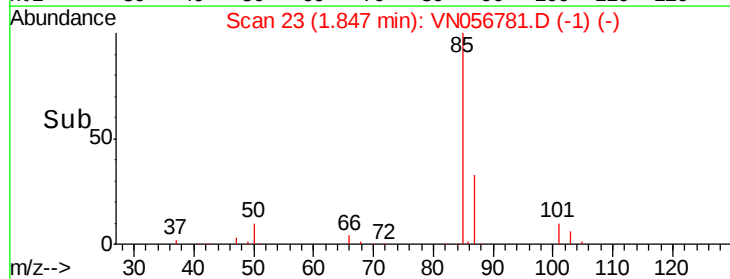
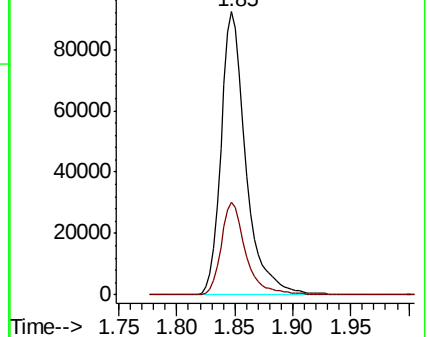
85 100

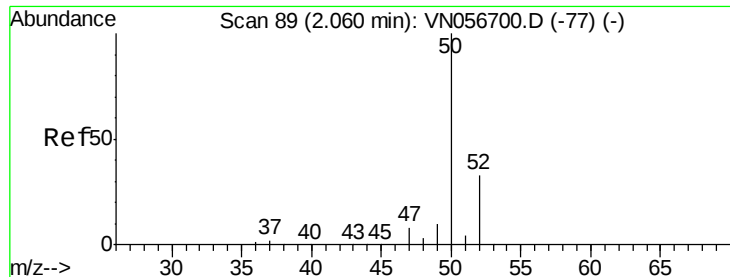
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

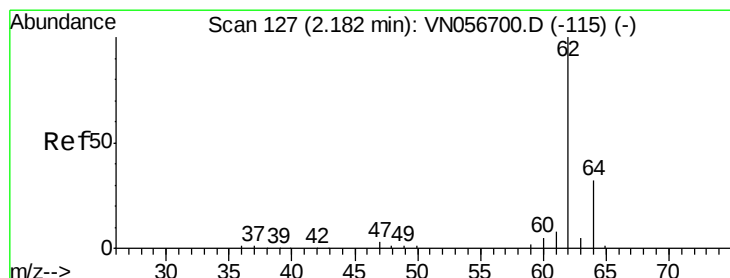
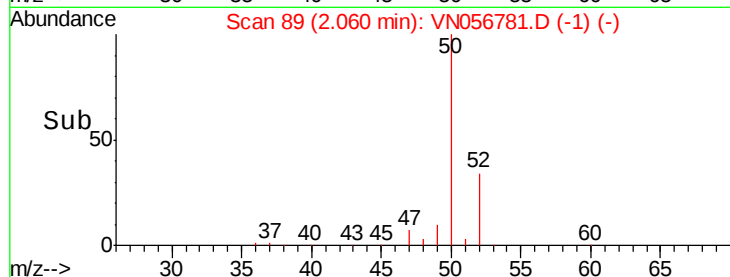
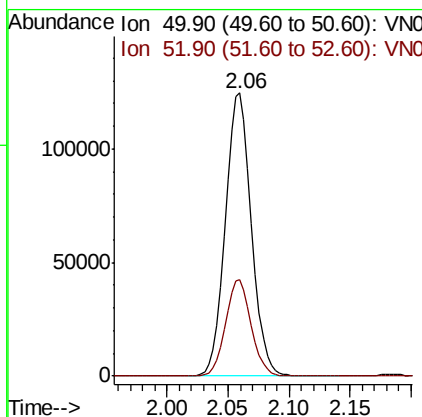
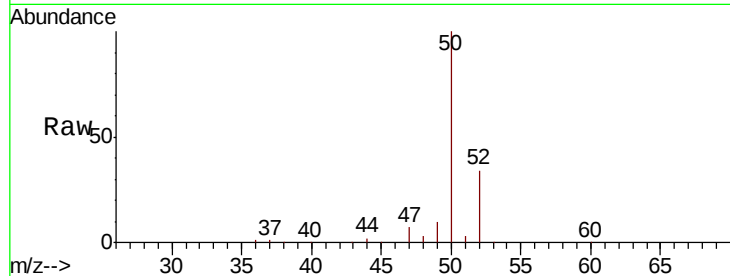




#3
Chloromethane
Concen: 46.712 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

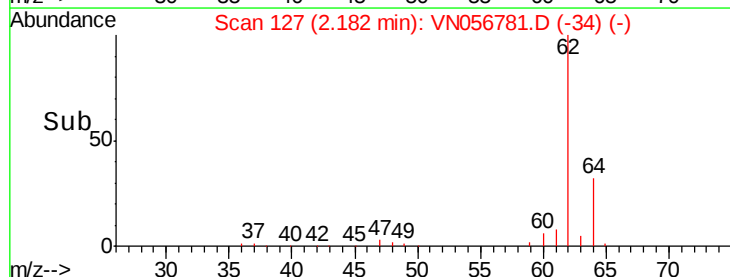
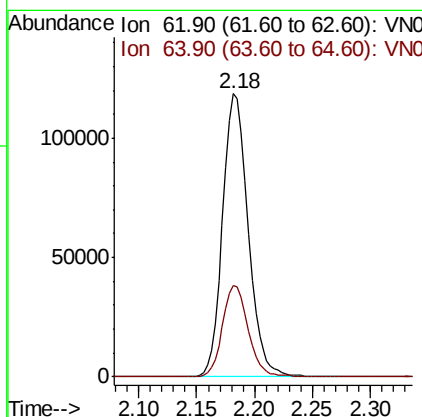
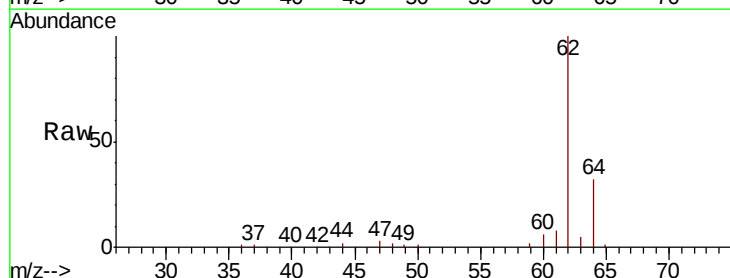
Instrument :
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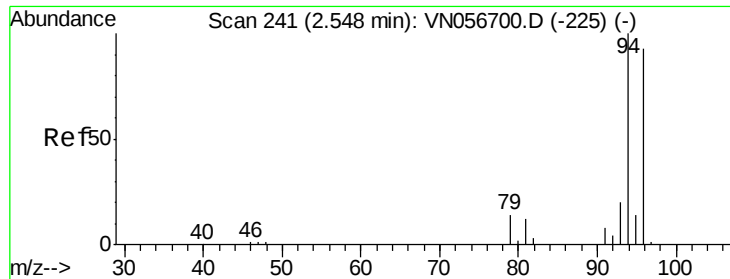
Tot Ion: 50 Resp: 186420
Ion Ratio Lower Upper
50 100
52 33.9 26.5 39.7



#4
Vinyl Chloride
Concen: 47.227 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 62 Resp: 181498
Ion Ratio Lower Upper
62 100
64 32.5 25.6 38.4





#5

Bromomethane

Concen: 47.915 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

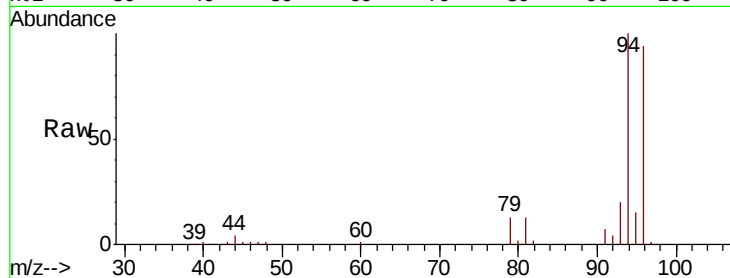
VSTDCCC050EC

Tot Ion: 94 Resp: 108287

Ion Ratio Lower Upper

94 100

96 94.3 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

50000

40000

30000

20000

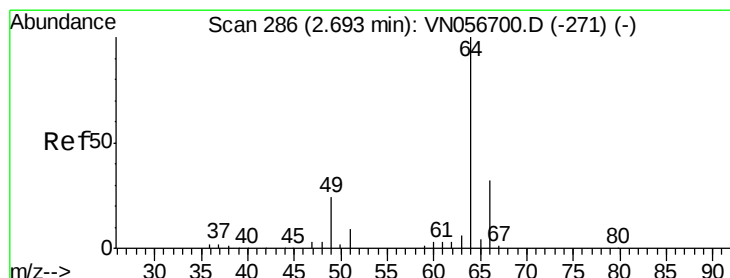
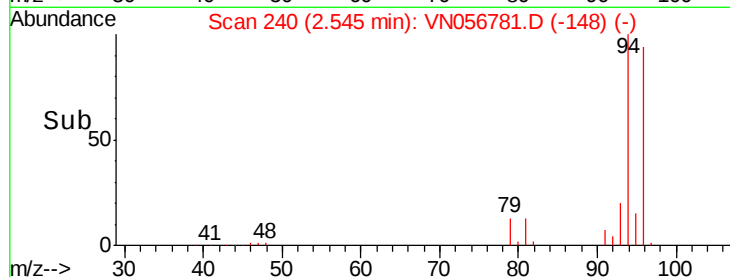
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 46.773 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN056781.D

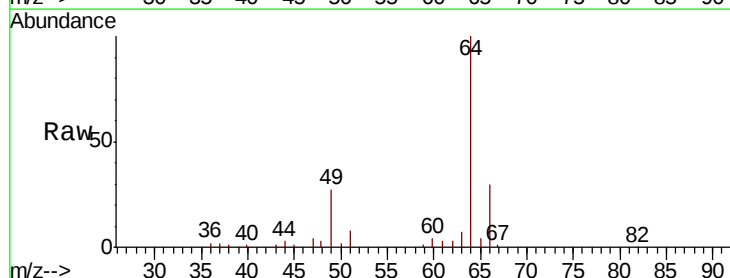
Acq: 16 Jul 2019 20:02

Tgt Ion: 64 Resp: 104746

Ion Ratio Lower Upper

64 100

66 30.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

50000

40000

30000

20000

10000

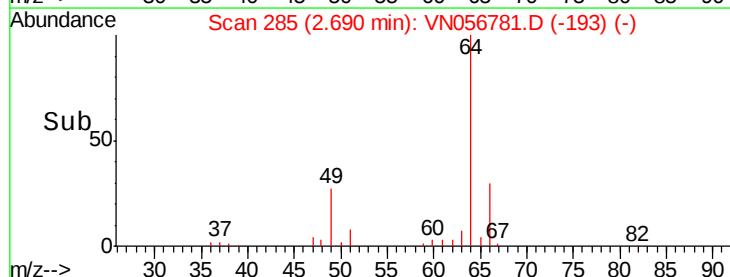
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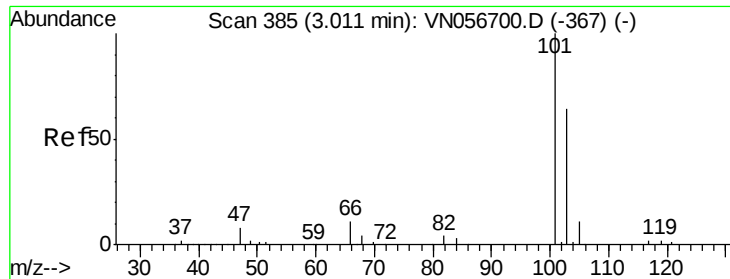
Time-->

2.60

2.70

2.80



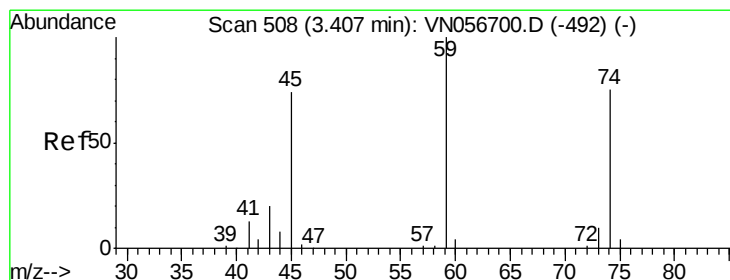
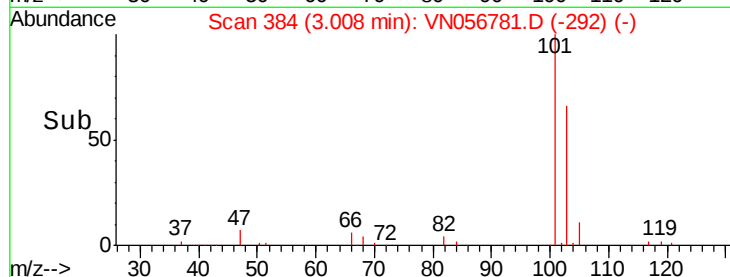
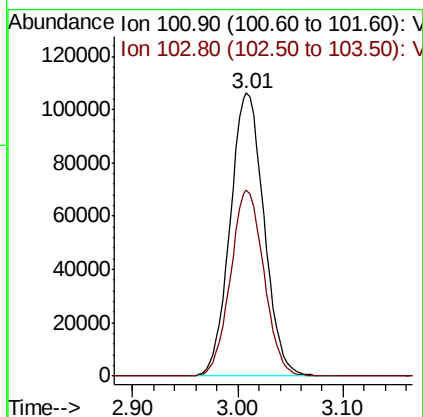
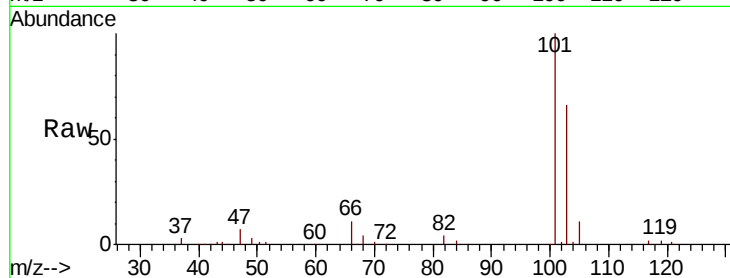


#7

Trichlorofluoromethane
 Concen: 47.856 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
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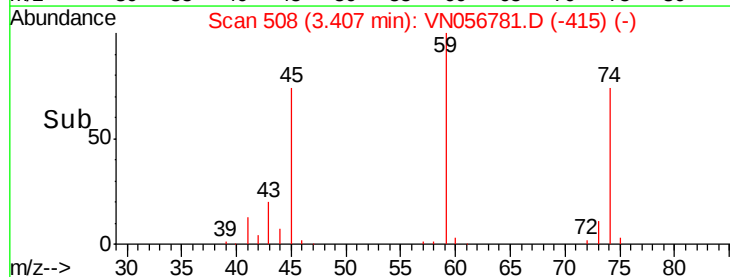
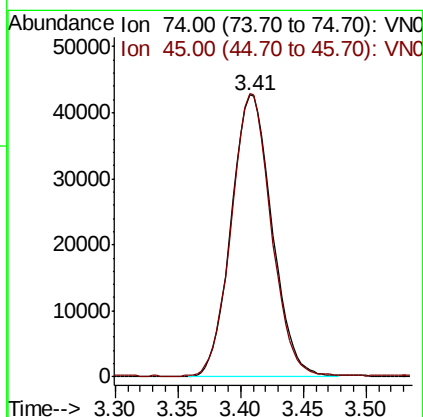
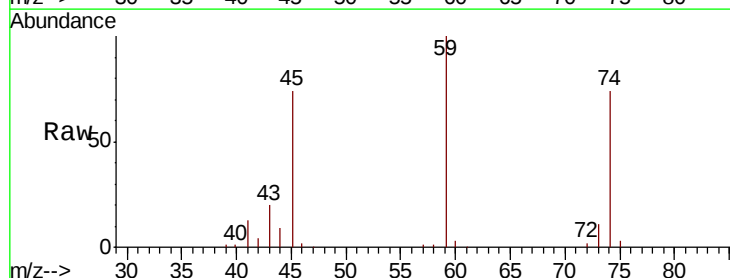
Tot Ion:101 Resp: 235989
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.5 77.3

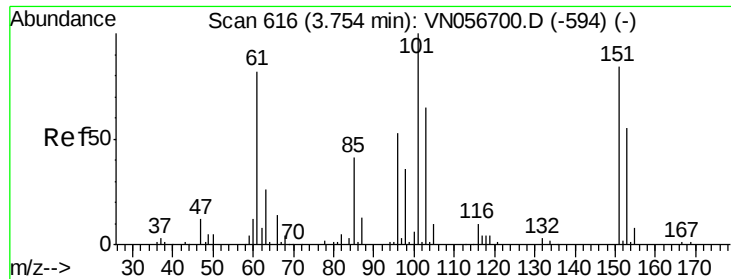


#8

Diethyl Ether
 Concen: 50.315 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 74 Resp: 96733
 Ion Ratio Lower Upper
 74 100
 45 98.3 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.866 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056781.D

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VSTDCCC050EC

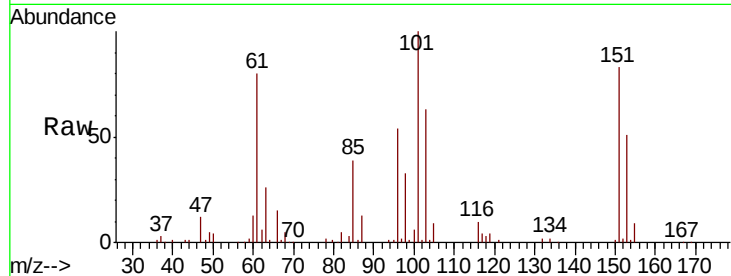
Tot Ion:101 Resp: 144773

Ion Ratio Lower Upper

101 100

85 41.4 33.3 49.9

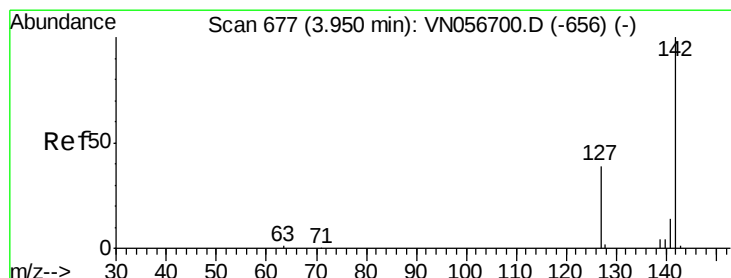
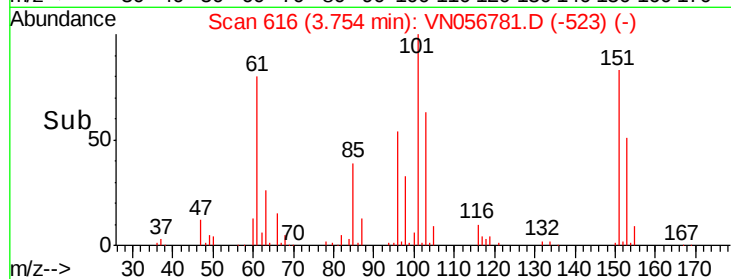
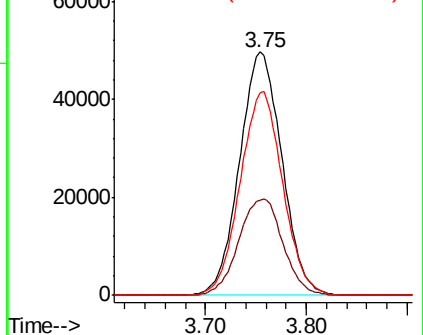
151 84.2 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.904 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

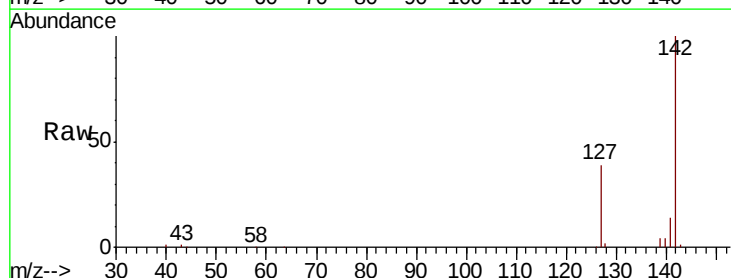
Tgt Ion:142 Resp: 205681

Ion Ratio Lower Upper

142 100

127 39.1 30.7 46.1

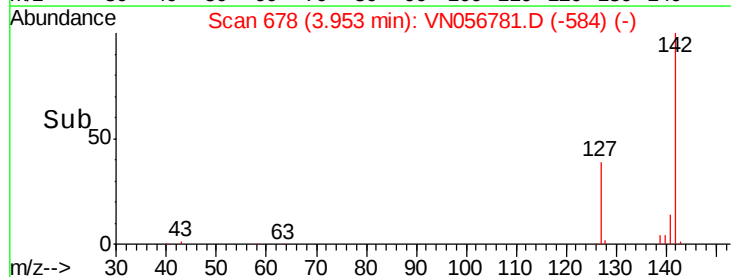
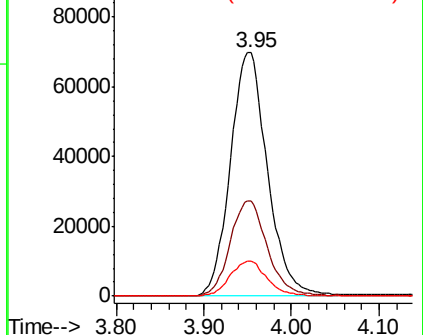
141 14.4 11.3 16.9

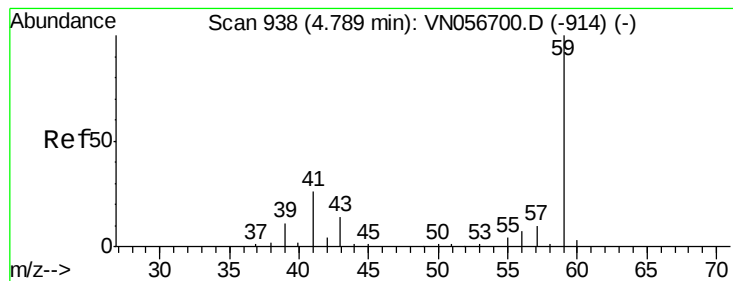


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



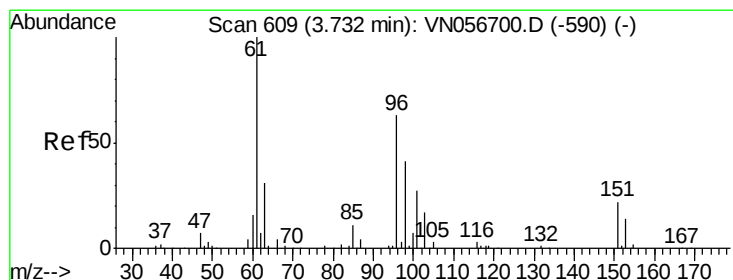
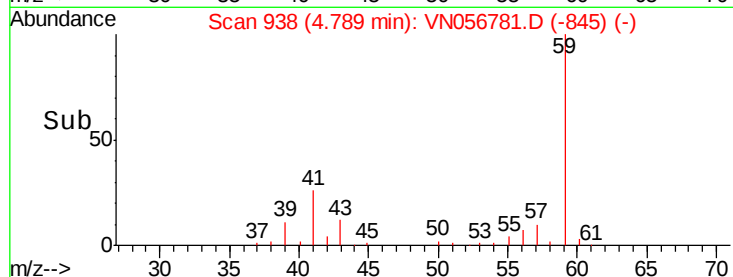
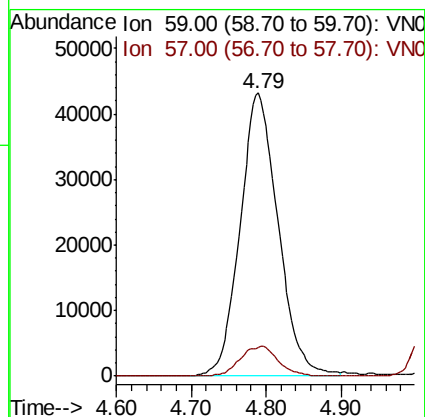
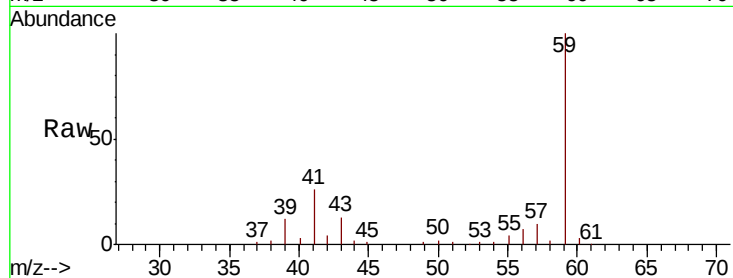


#11

Tert butyl alcohol
 Concen: 262.100 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

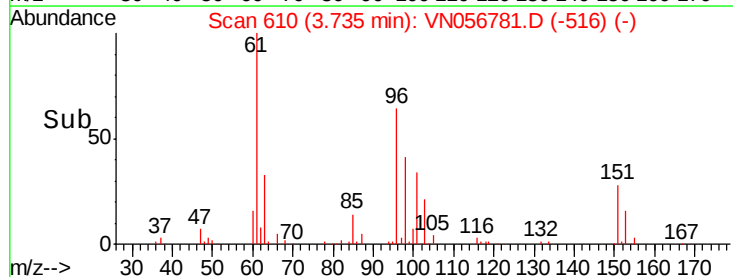
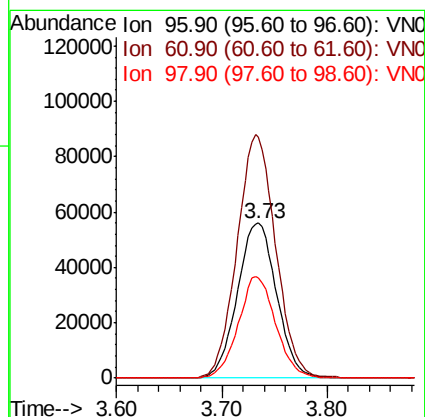
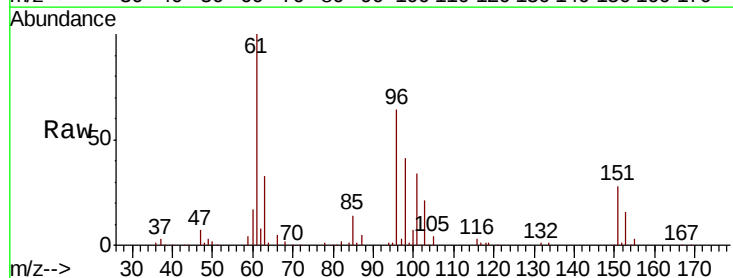
Tot Ion: 59 Resp: 152550
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.0 12.0

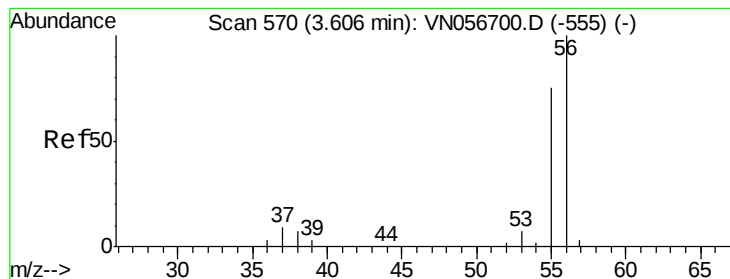


#12

1,1-Dichloroethene
 Concen: 48.743 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 96 Resp: 144850
 Ion Ratio Lower Upper
 96 100
 61 155.2 126.6 189.8
 98 64.3 51.4 77.2





#13

Acrolein

Concen: 246.349 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

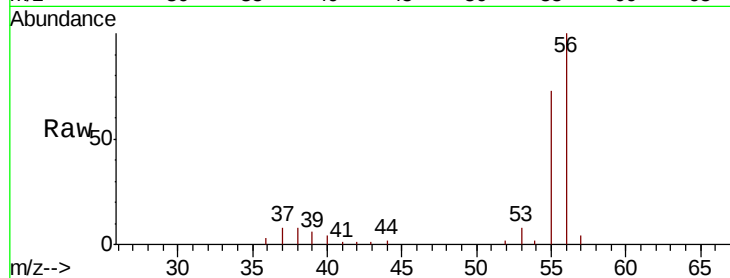
VSTDCCC050EC

Tot Ion: 56 Resp: 48940

Ion Ratio Lower Upper

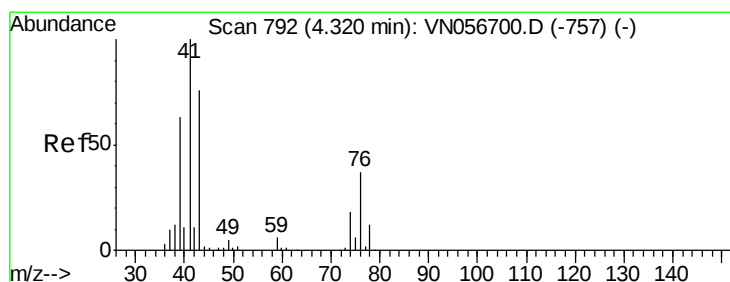
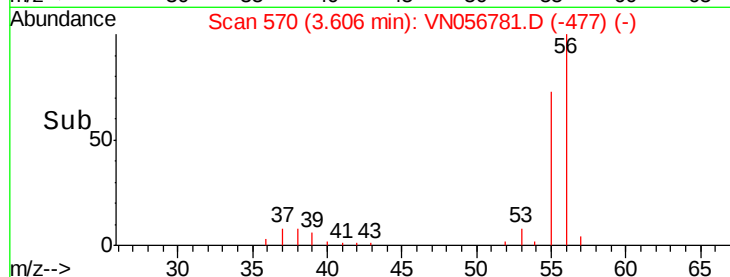
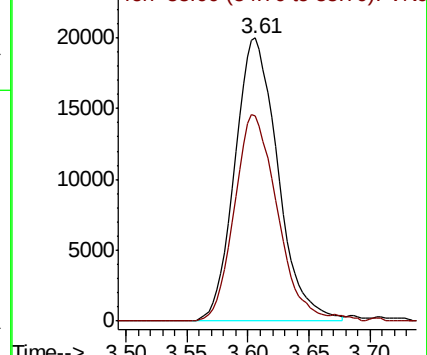
56 100

55 73.2 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.633 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

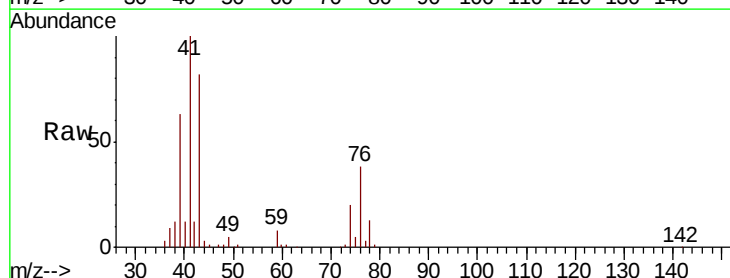
Tgt Ion: 41 Resp: 249935

Ion Ratio Lower Upper

41 100

39 59.3 46.9 70.3

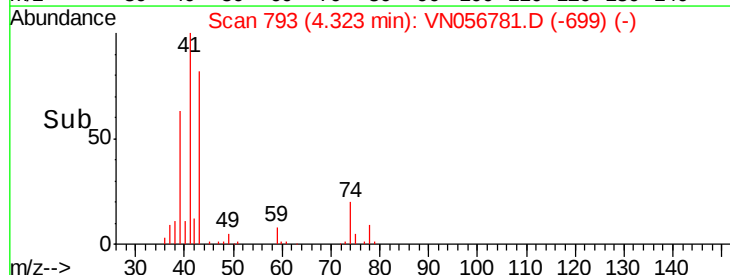
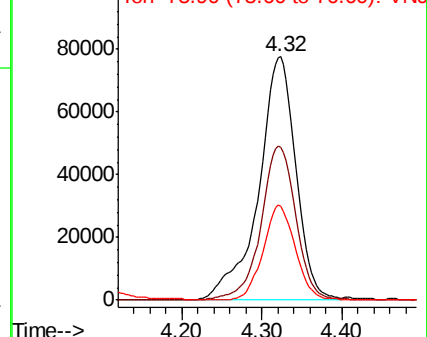
76 33.7 26.5 39.7

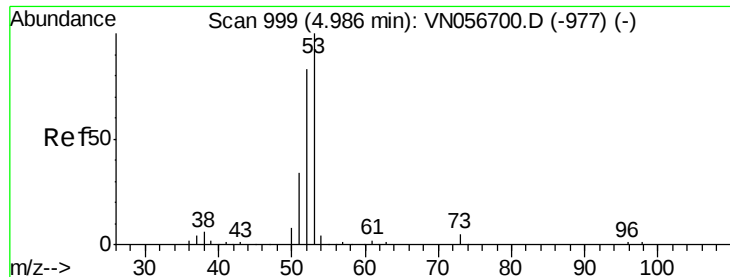


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 255.813 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

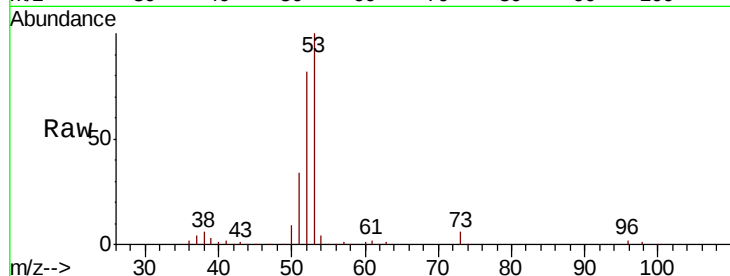
Tot Ion: 53 Resp: 429974

Ion Ratio Lower Upper

53 100

52 83.0 66.6 99.8

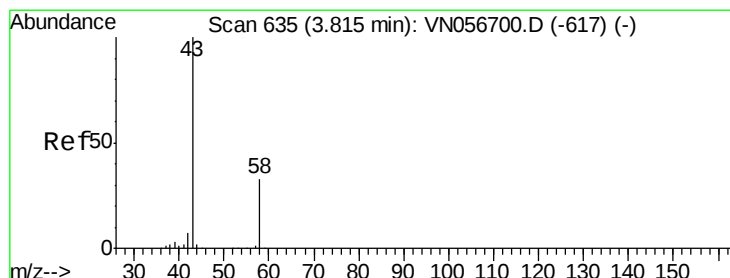
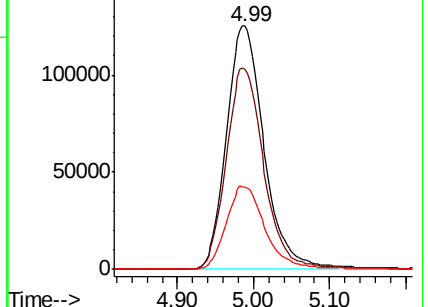
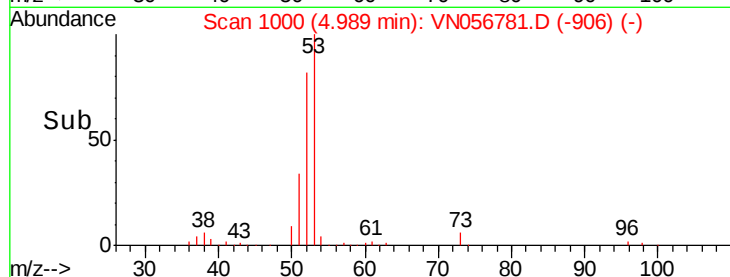
51 35.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056781.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056781.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056781.D (-906) (-)



#16

Acetone

Concen: 209.131 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056781.D

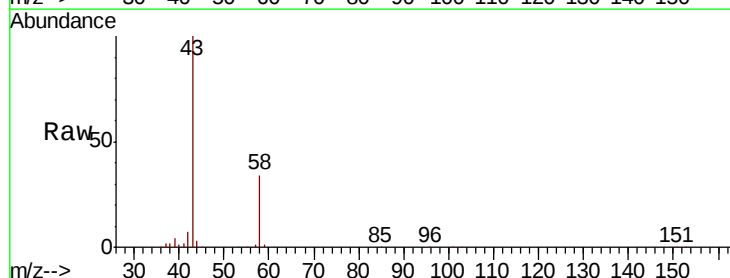
Acq: 16 Jul 2019 20:02

Tgt Ion: 43 Resp: 336989

Ion Ratio Lower Upper

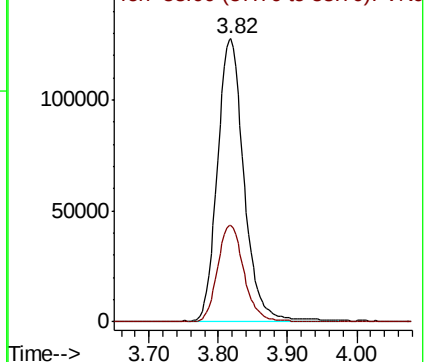
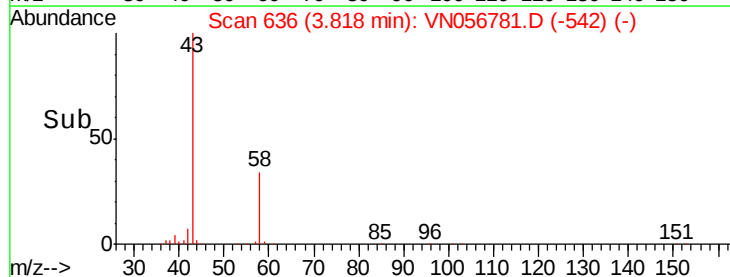
43 100

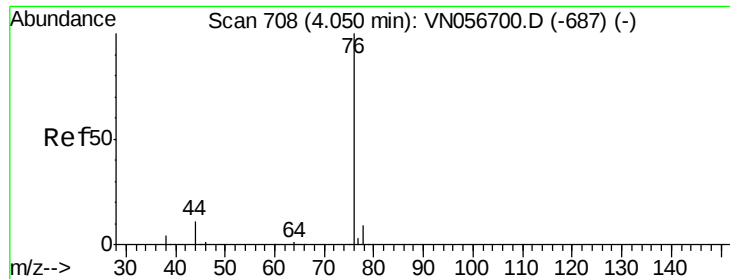
58 34.0 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056781.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056781.D (-542) (-)

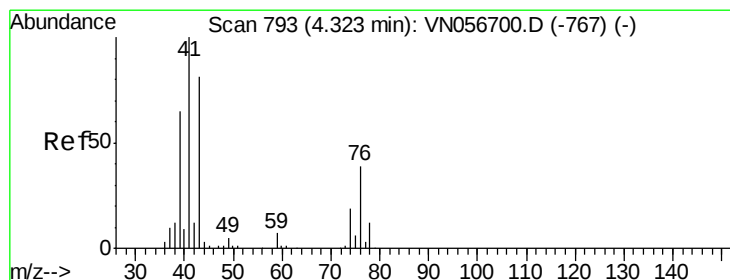
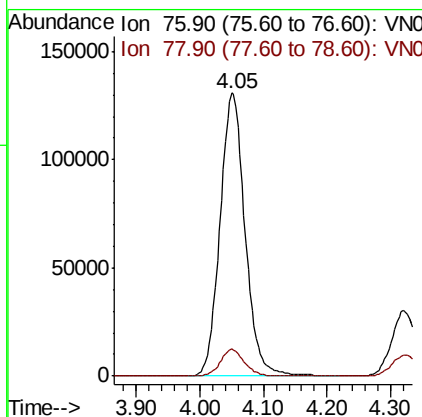
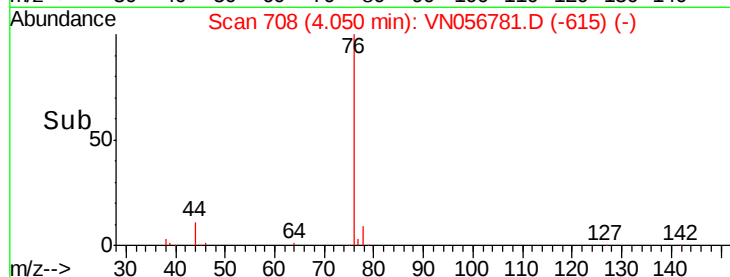
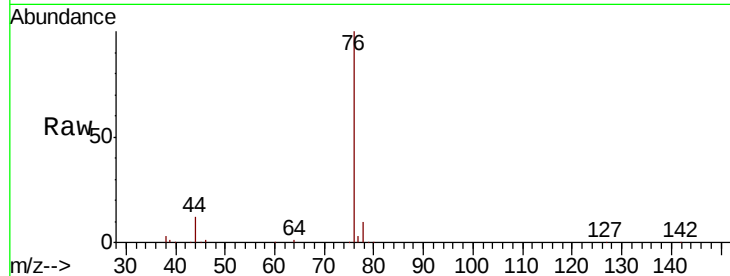




#17
Carbon Disulfide
Concen: 45.450 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

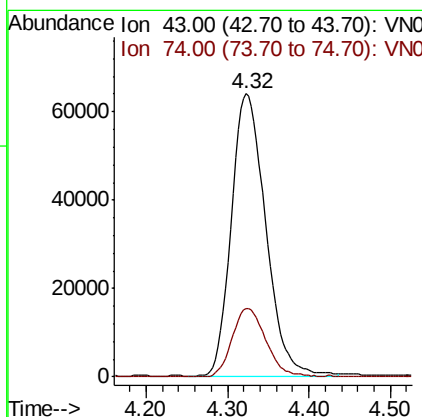
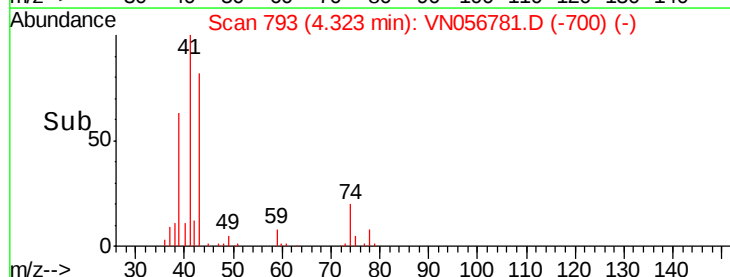
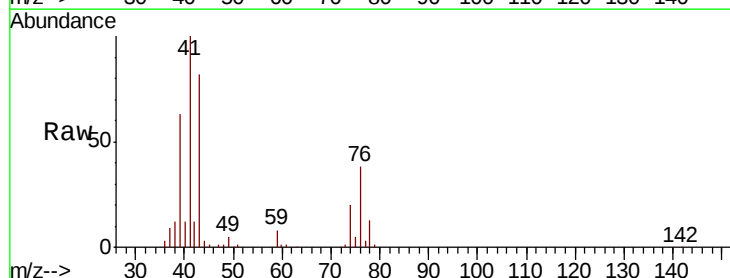
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

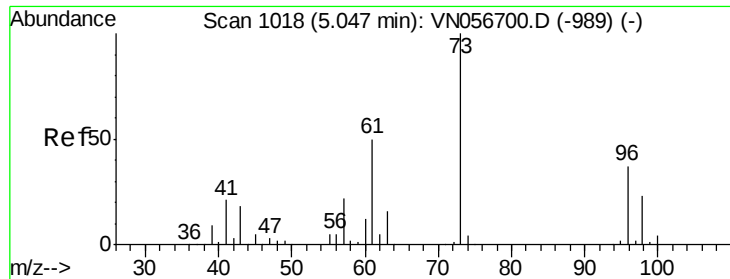
Tot Ion: 76 Resp: 356913
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 51.725 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 43 Resp: 187075
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3



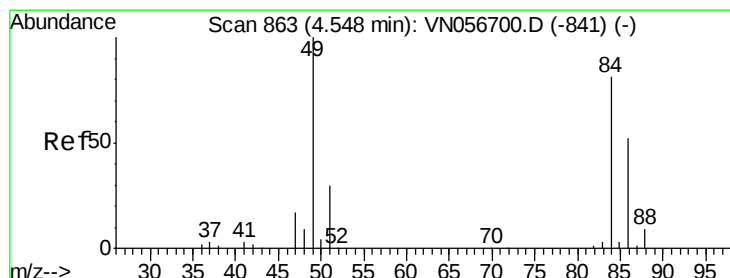
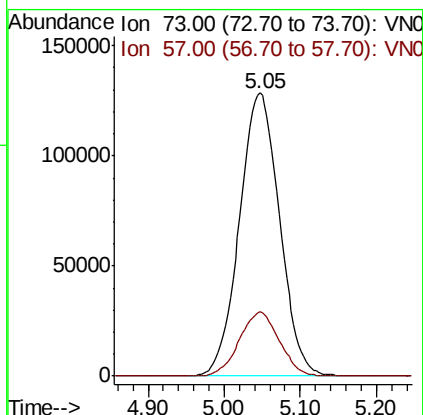
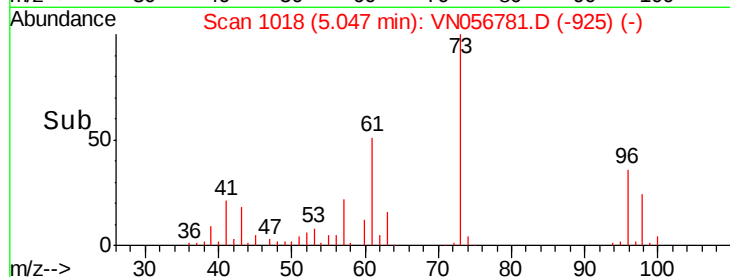
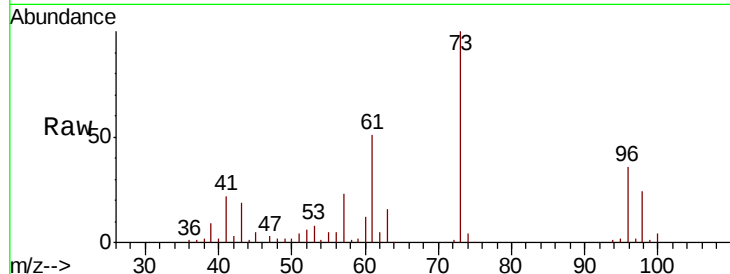


#19

Methyl tert-butyl Ether
 Concen: 49.823 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

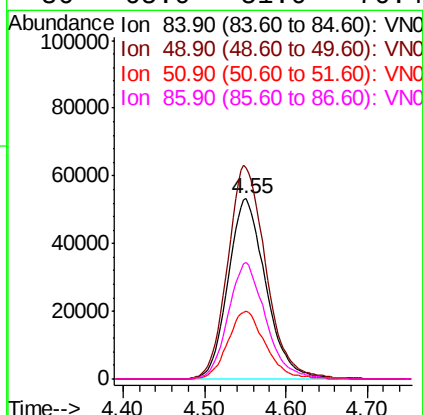
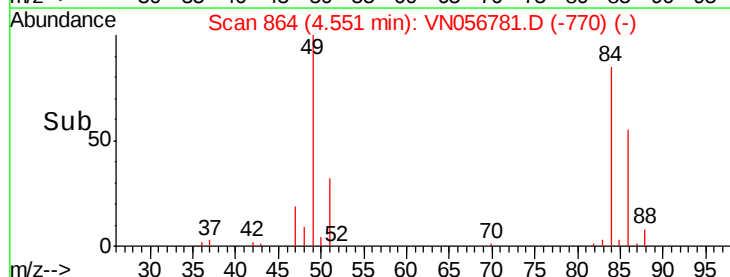
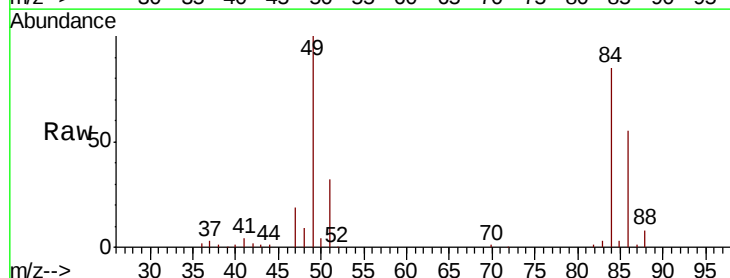
Tot Ion: 73 Resp: 471753
 Ion Ratio Lower Upper
 73 100
 57 22.6 17.9 26.9

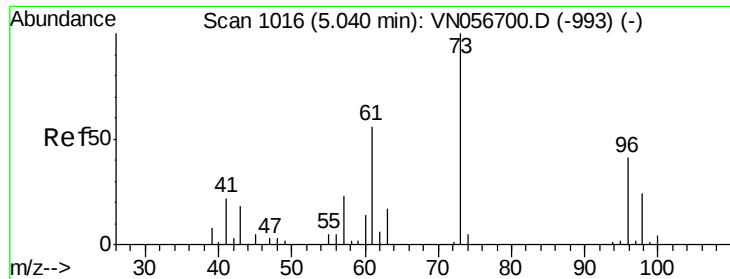


#20

Methylene Chloride
 Concen: 48.776 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 84 Resp: 171757
 Ion Ratio Lower Upper
 84 100
 49 117.3 98.2 147.4
 51 37.7 29.6 44.4
 86 65.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 49.660 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

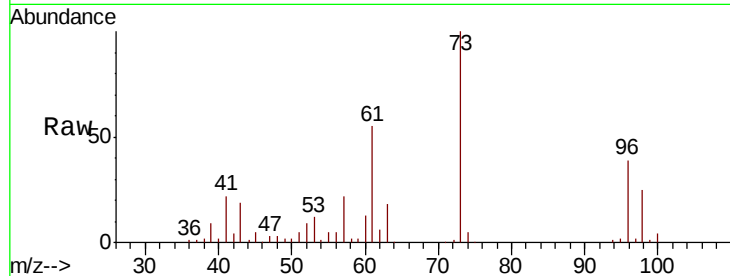
Tot Ion: 96 Resp: 155995

Ion Ratio Lower Upper

96 100

61 141.4 109.4 164.2

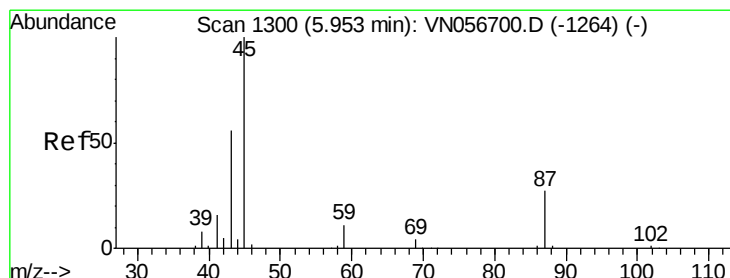
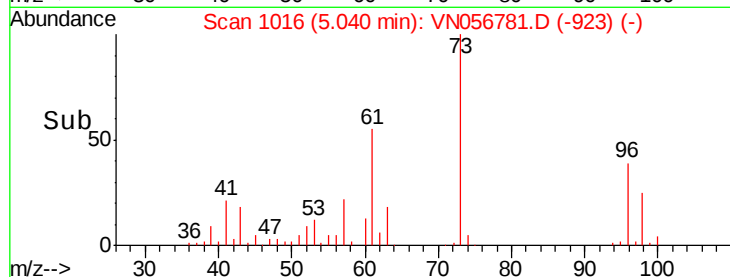
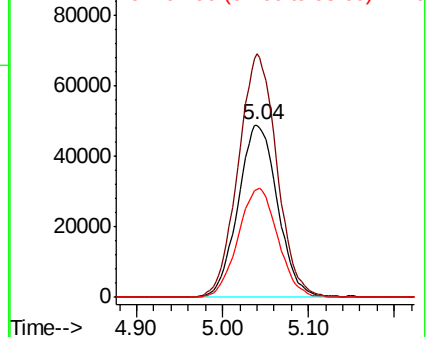
98 63.0 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VN056781.D (-923) (-)

Ion 60.90 (60.60 to 61.60): VN056781.D (-923) (-)

Ion 97.90 (97.60 to 98.60): VN056781.D (-923) (-)



#22

Diisopropyl ether

Concen: 50.792 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion: 45 Resp: 515235

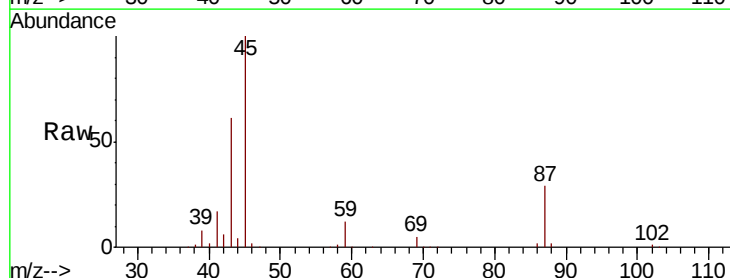
Ion Ratio Lower Upper

45 100

43 59.8 45.6 68.4

87 28.6 22.0 33.0

59 11.9 9.3 13.9

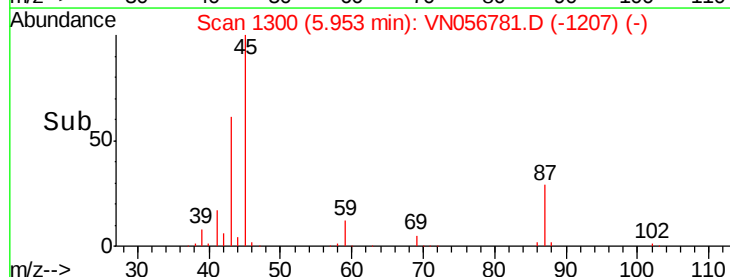
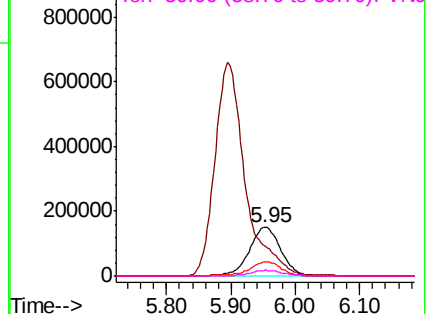


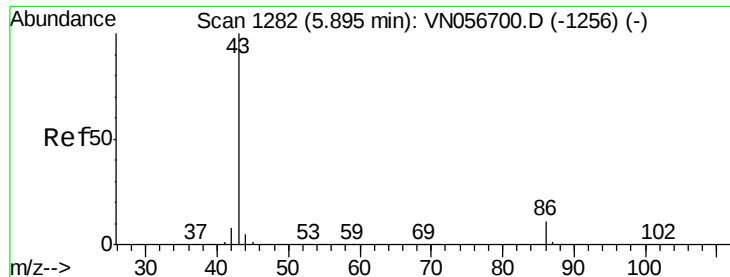
Abundance Ion 45.00 (44.70 to 45.70): VN056781.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056781.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056781.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056781.D (-1207) (-)

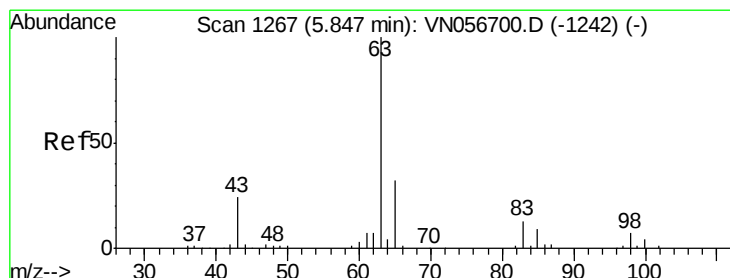
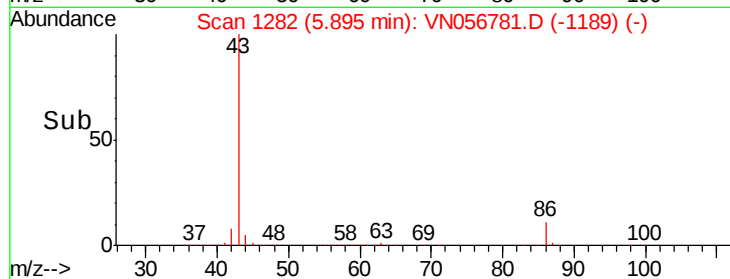
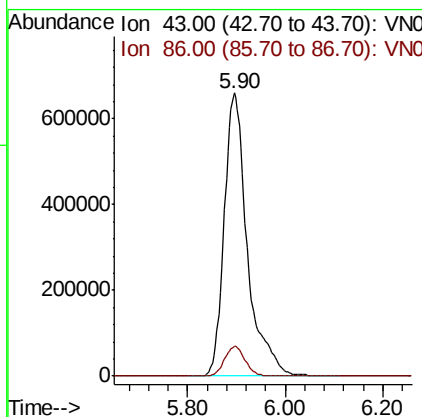
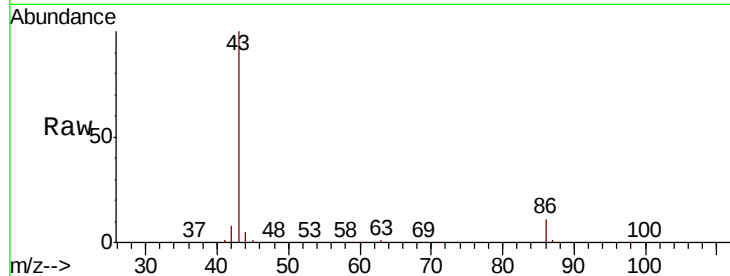




#23
 Vinyl Acetate
 Concen: 263.906 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

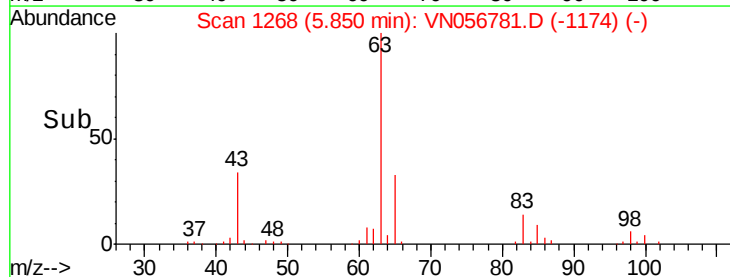
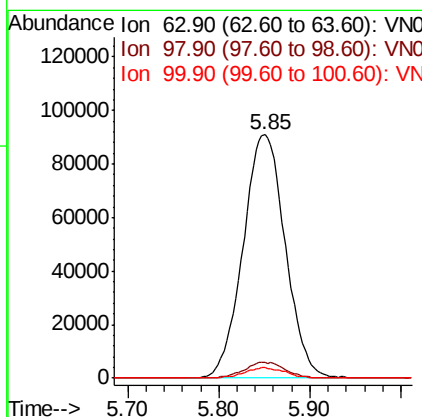
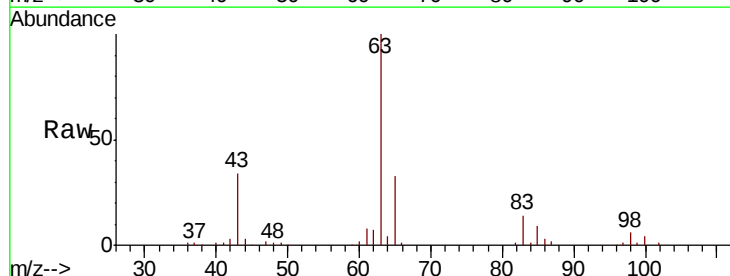
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

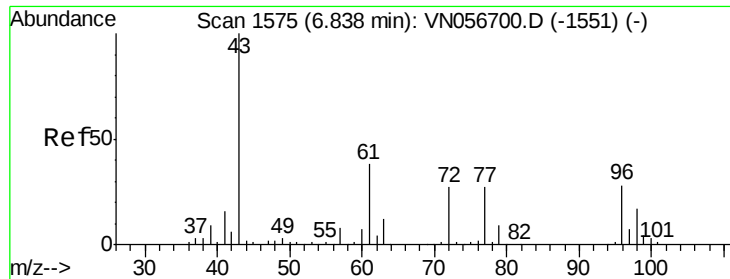
Tot Ion: 43 Resp: 2169354
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 49.738 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 63 Resp: 292524
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.3 9.9
 100 4.2 2.0 5.8





#25

2-Butanone

Concen: 244.071 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

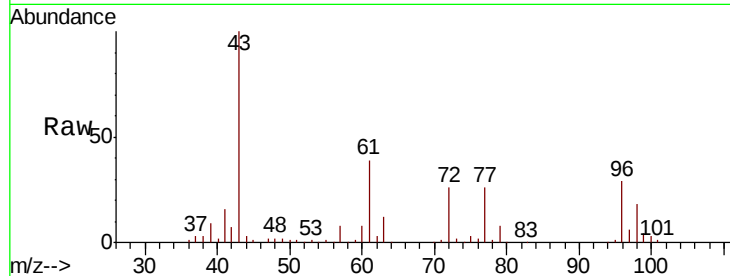
VSTDCCC050EC

Tot Ion: 43 Resp: 574993

Ion Ratio Lower Upper

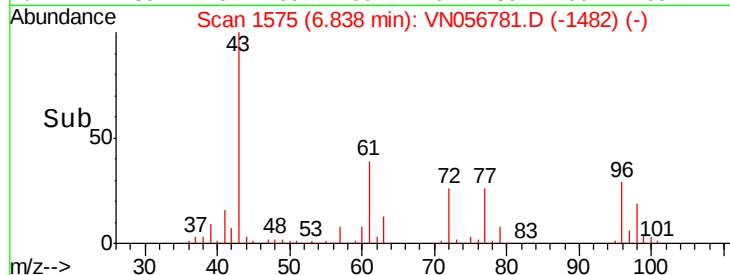
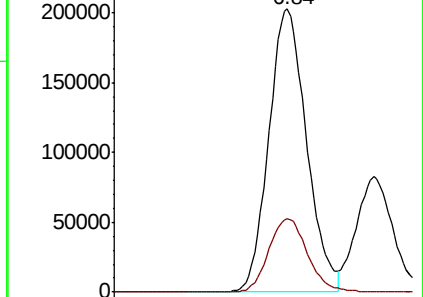
43 100

72 26.0 21.2 31.8

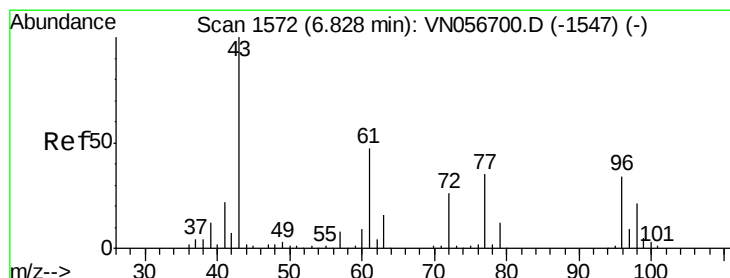


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 45.890 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056781.D

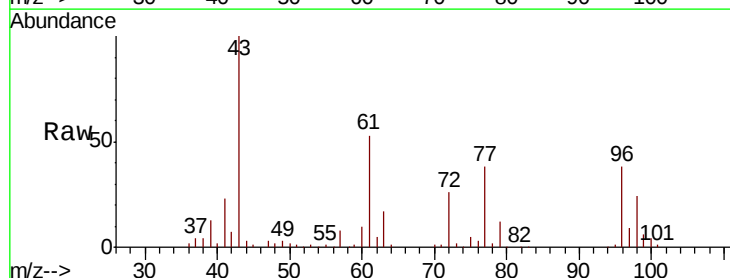
Acq: 16 Jul 2019 20:02

Tgt Ion: 77 Resp: 194601

Ion Ratio Lower Upper

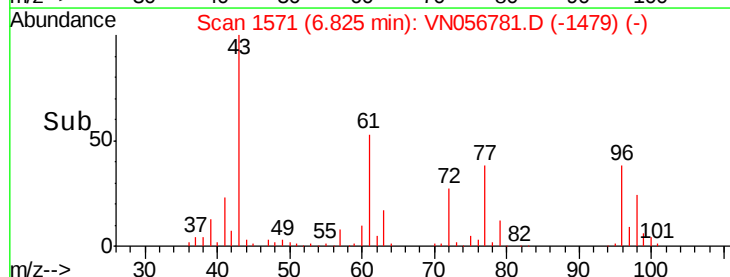
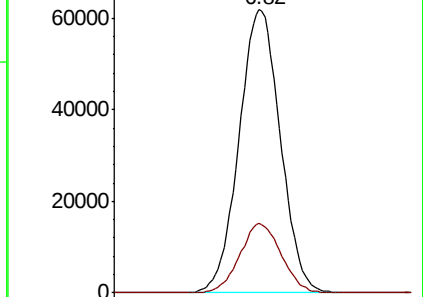
77 100

97 24.5 12.2 36.6

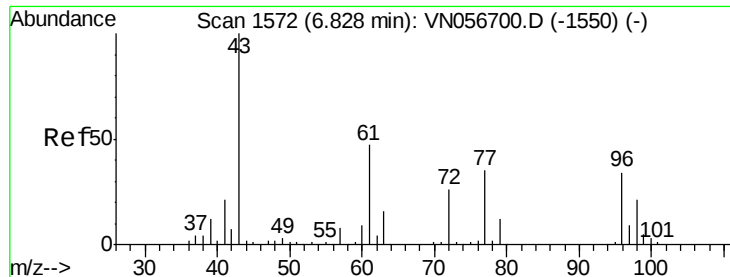


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 51.311 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

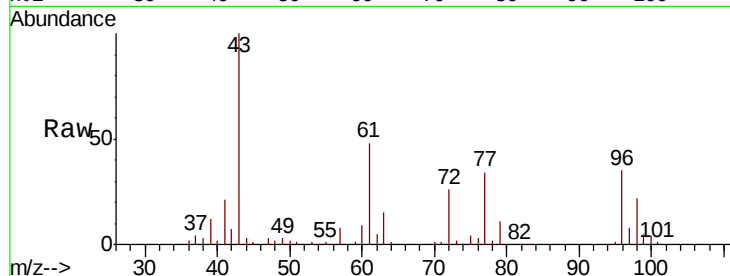
Tot Ion: 96 Resp: 185465

Ion Ratio Lower Upper

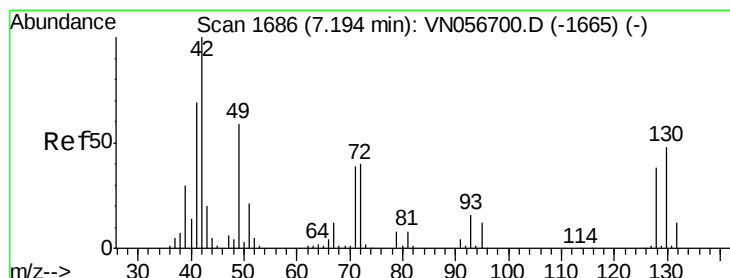
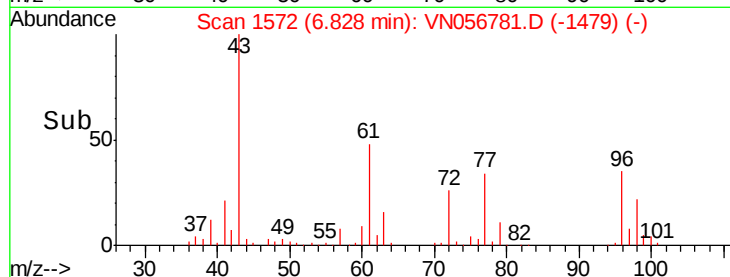
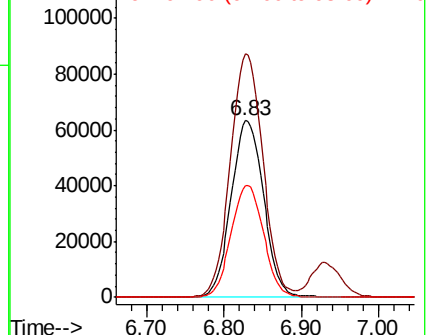
96 100

61 137.8 0.0 281.4

98 63.2 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.311 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

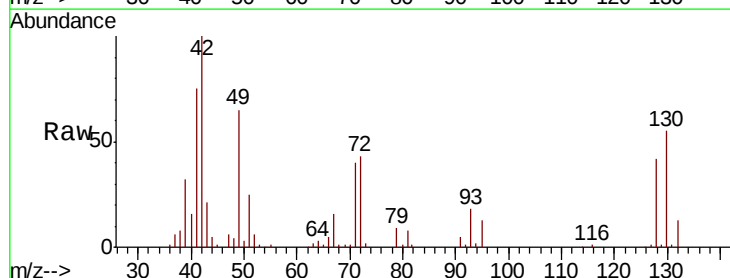
Tgt Ion: 49 Resp: 141886

Ion Ratio Lower Upper

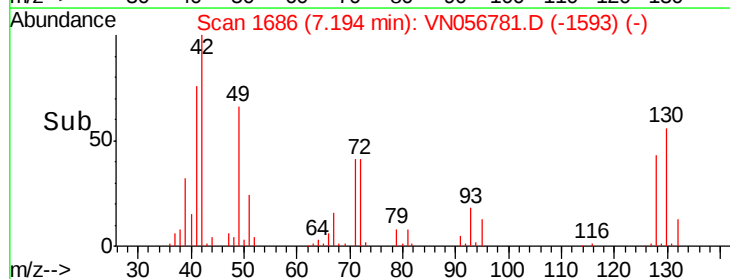
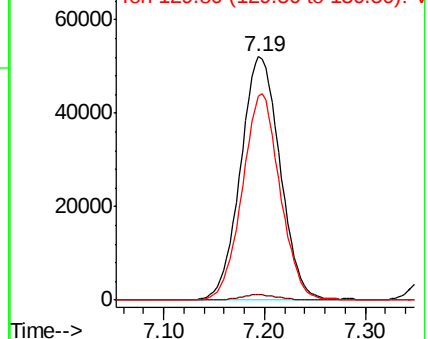
49 100

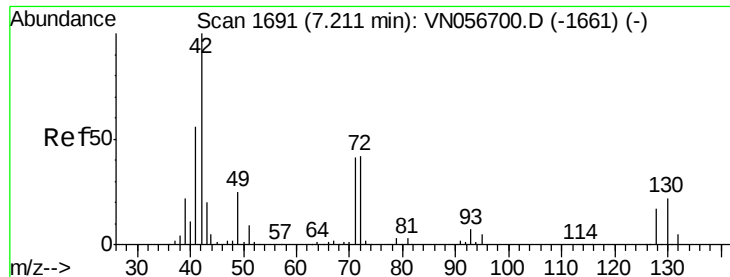
129 2.0 0.0 4.0

130 80.8 64.7 97.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

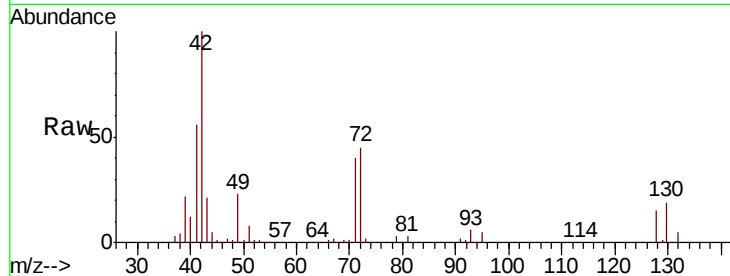




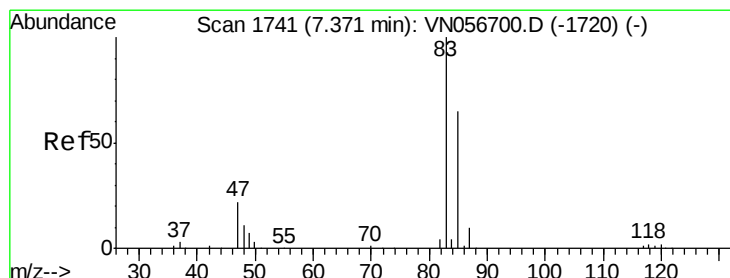
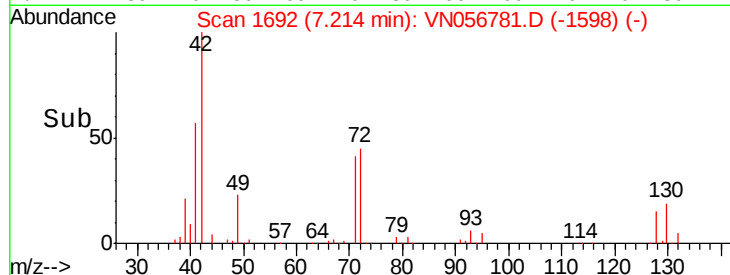
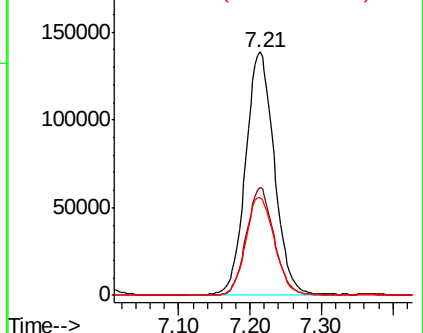
#29
Tetrahydrofuran
Concen: 252.026 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 387251
Ion Ratio Lower Upper
42 100
72 43.1 33.5 50.3
71 40.8 31.8 47.8

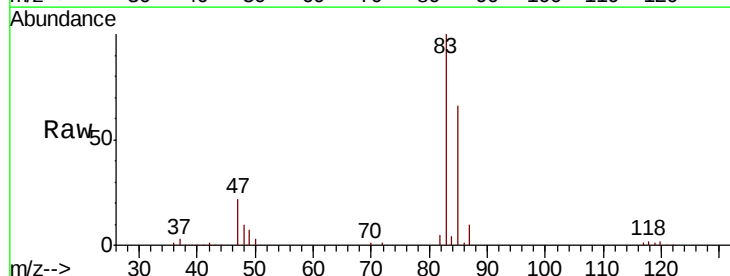


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

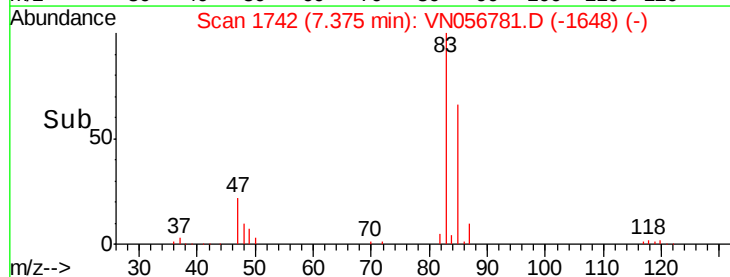
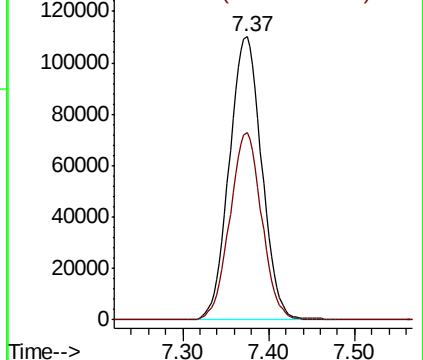


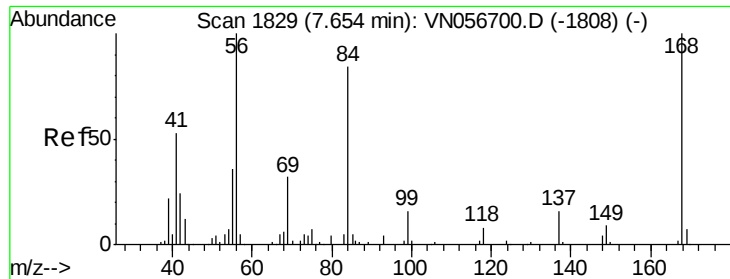
#30
Chloroform
Concen: 49.077 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 83 Resp: 288834
Ion Ratio Lower Upper
83 100
85 66.0 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

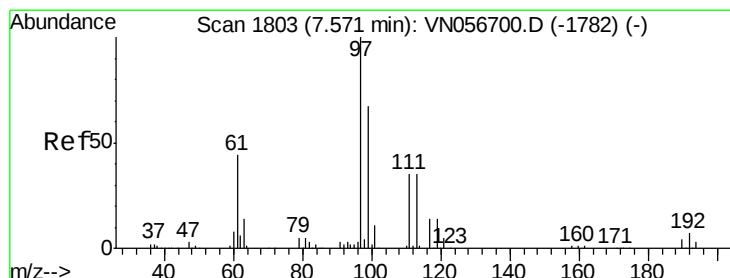
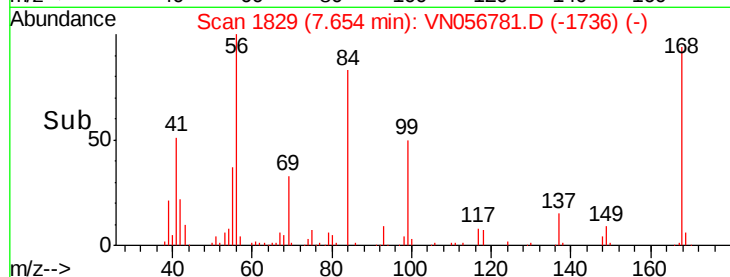
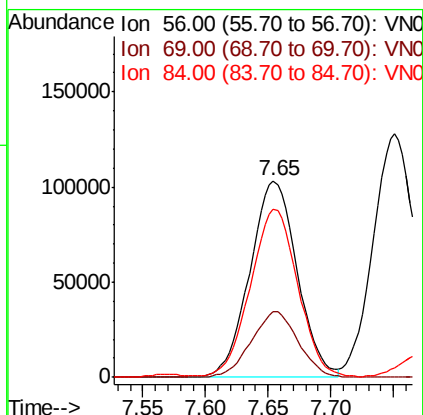
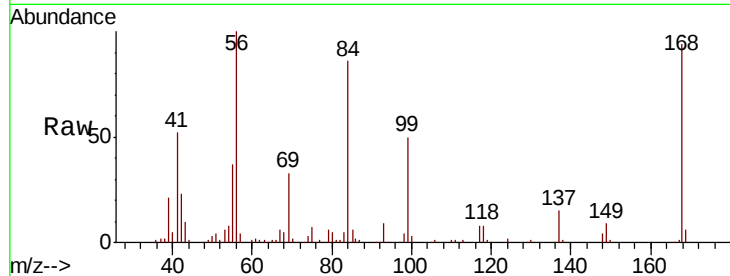




#31
Cyclohexane
Concen: 48.473 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

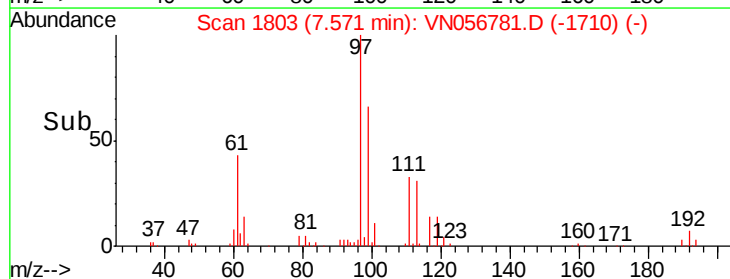
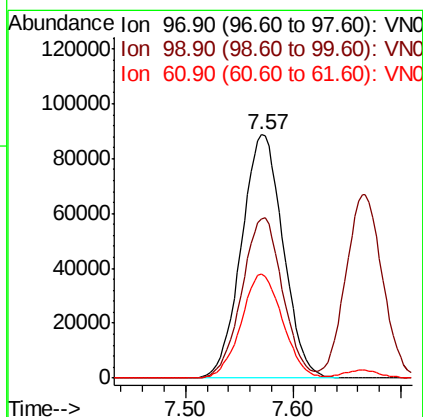
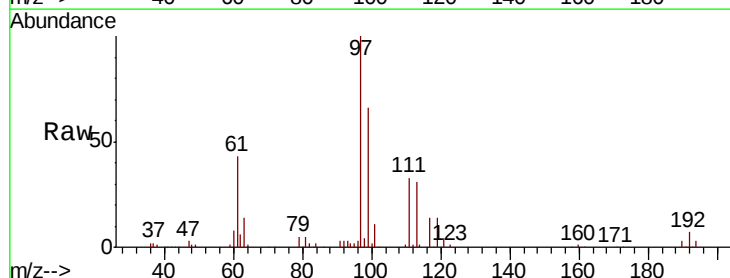
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

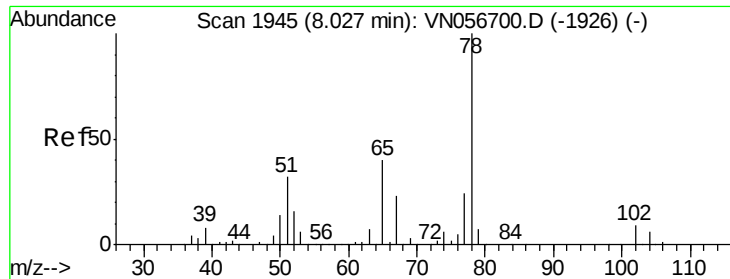
Tot Ion: 56 Resp: 270962
Ion Ratio Lower Upper
56 100
69 33.4 25.8 38.8
84 84.8 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 51.105 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 97 Resp: 237863
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 42.5 34.3 51.5

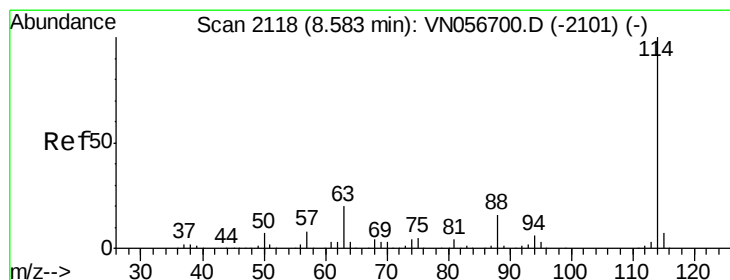
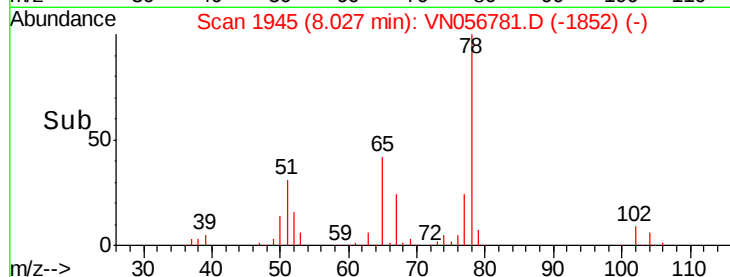
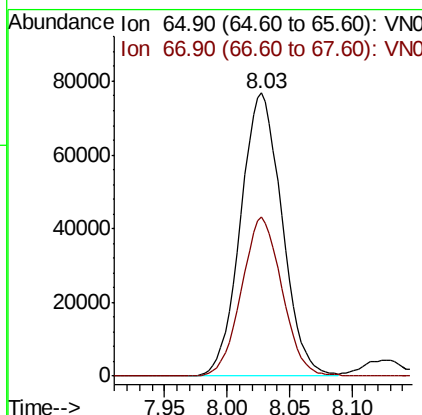
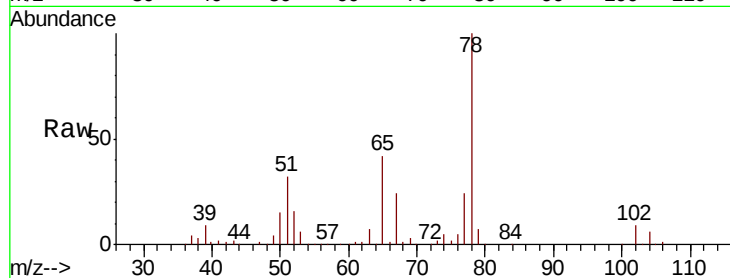




#33
 1,2-Dichloroethane-d4
 Concen: 50.452 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

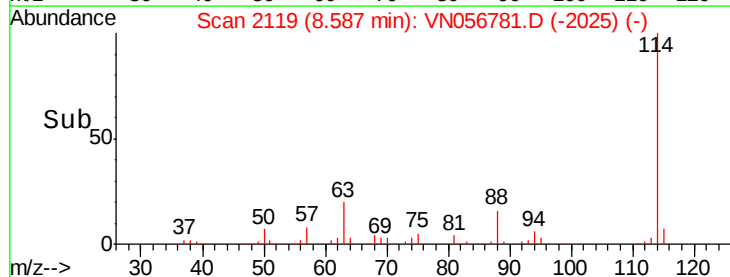
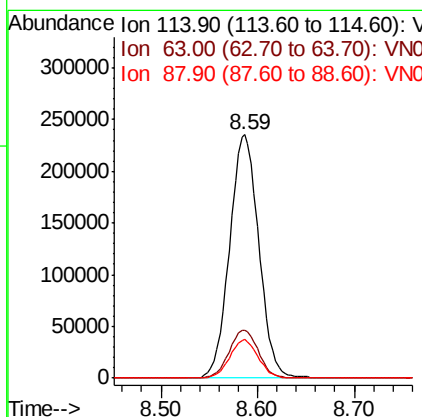
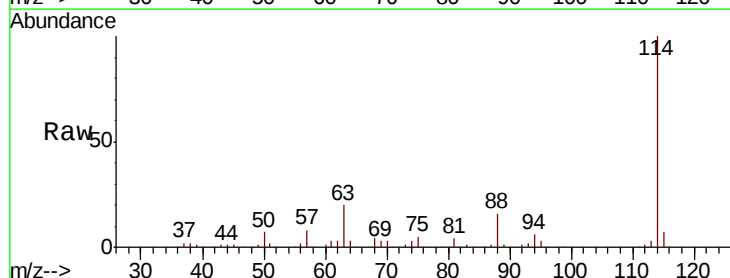
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

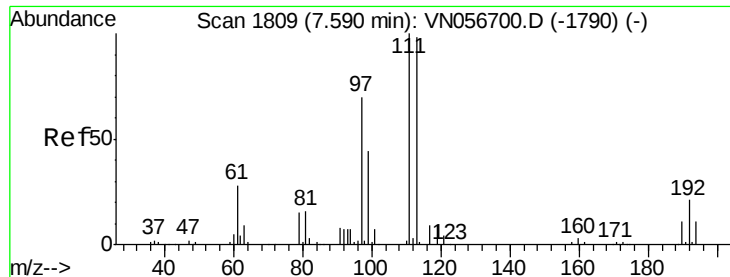
Tot Ion: 65 Resp: 176415
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 114 Resp: 493372
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 15.7 0.0 31.2

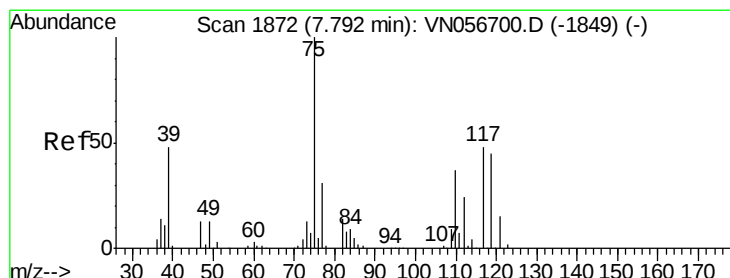
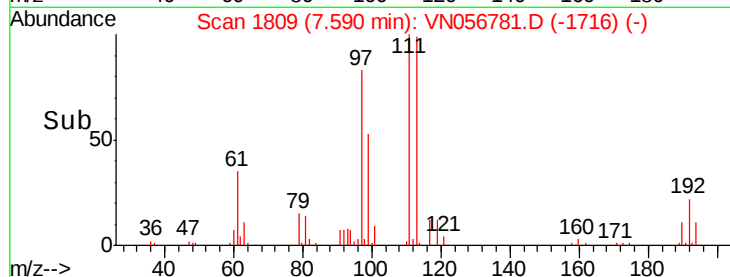
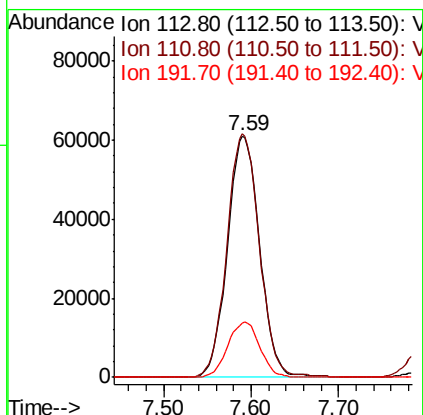
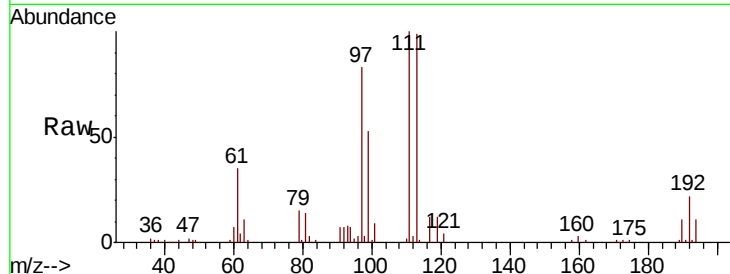




#35
 Dibromofluoromethane
 Concen: 50.689 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

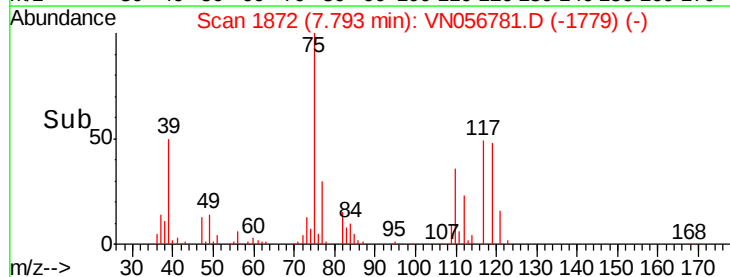
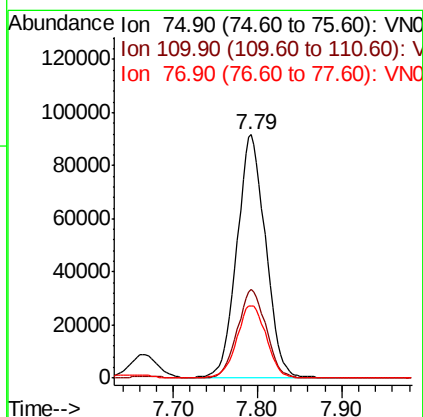
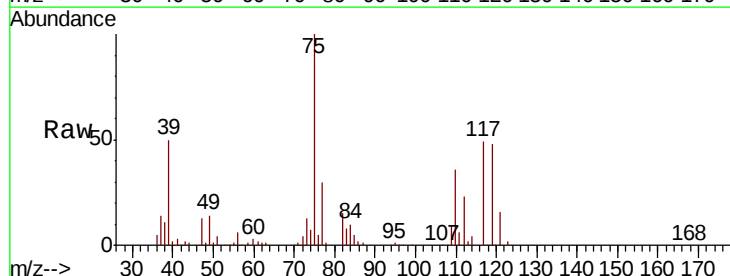
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

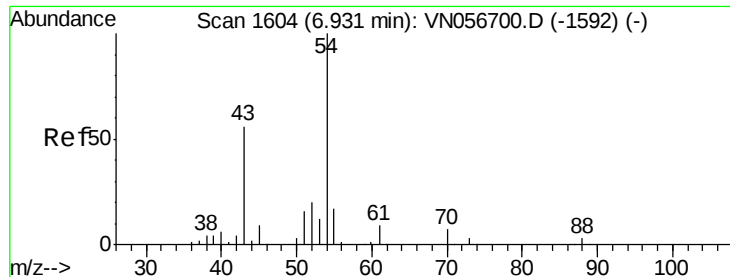
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.6
192	22.7	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 47.495 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.4
77	30.9	24.6	36.8

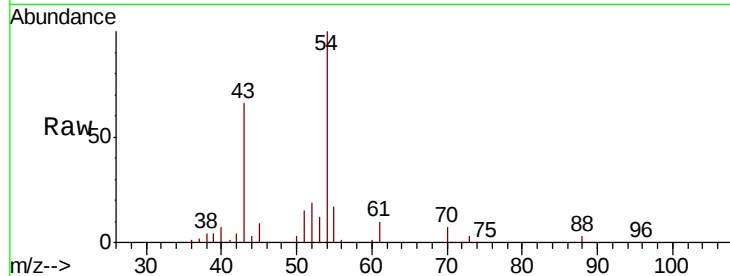




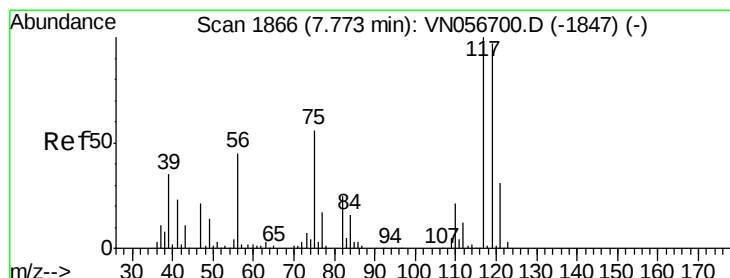
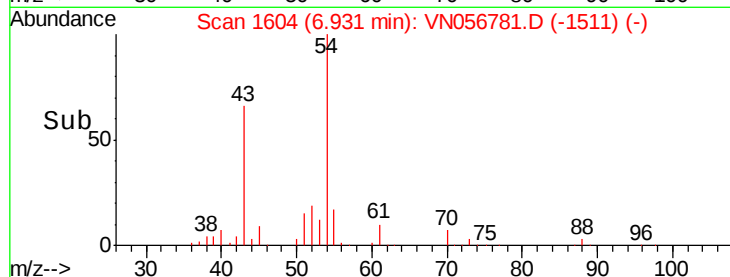
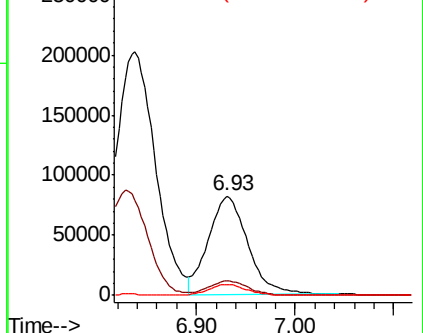
#37
Ethyl Acetate
Concen: 50.919 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 229121
Ion Ratio Lower Upper
43 100
61 14.9 11.3 16.9
70 10.7 8.5 12.7

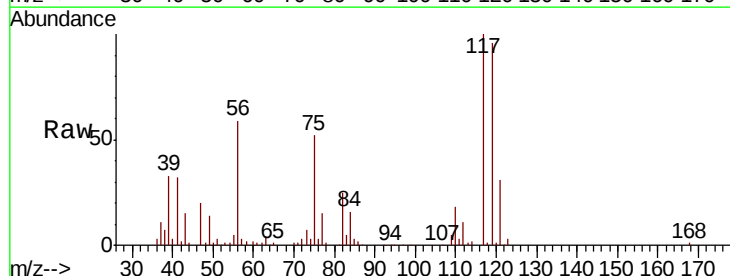


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

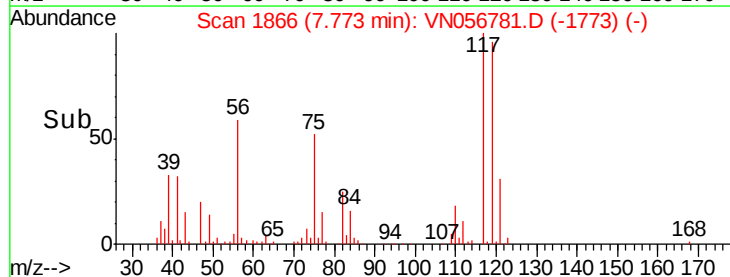
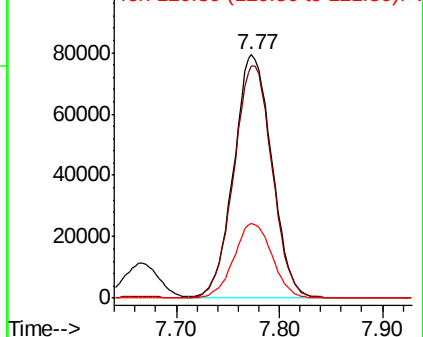


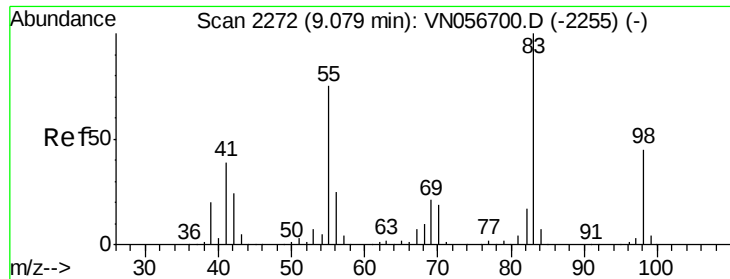
#38
Carbon Tetrachloride
Concen: 47.387 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 117 Resp: 202886
Ion Ratio Lower Upper
117 100
119 95.8 77.5 116.3
121 30.7 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

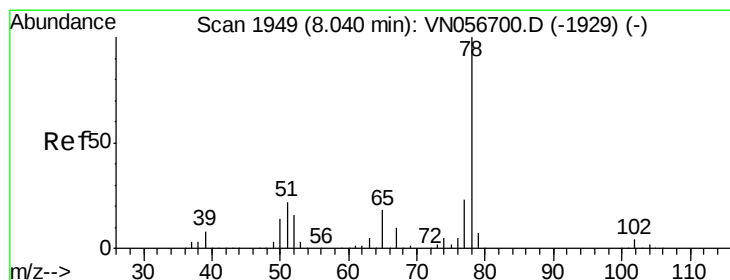
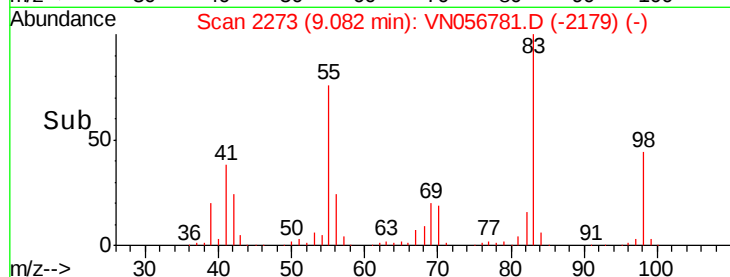
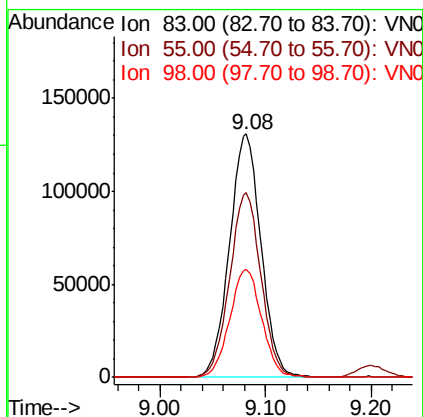
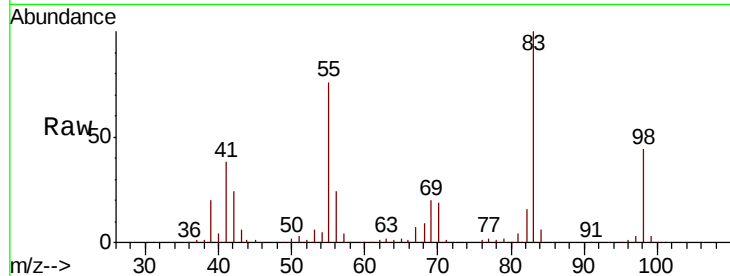




#39
Methvlcvclohexane
Concen: 48.027 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

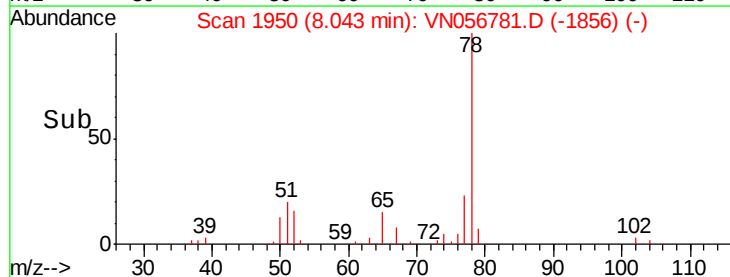
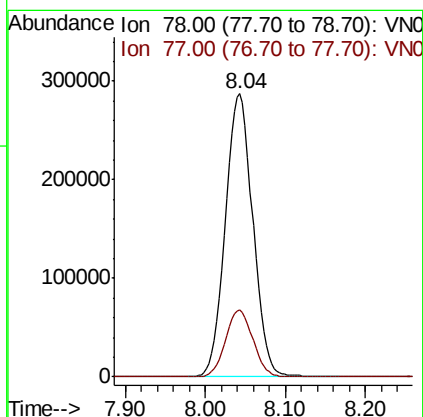
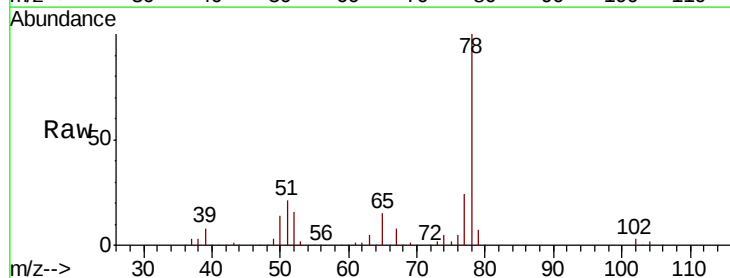
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

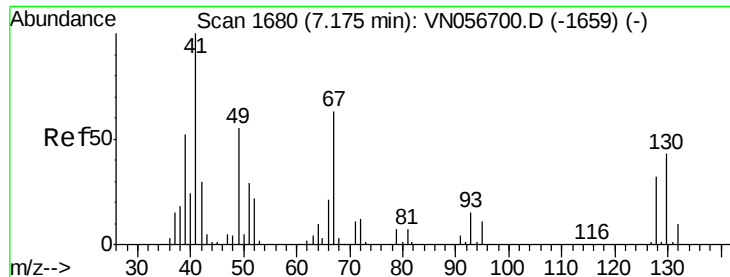
Tot Ion: 83 Resp: 270741
Ion Ratio Lower Upper
83 100
55 75.9 60.4 90.6
98 44.3 35.8 53.8



#40
Benzene
Concen: 48.173 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 78 Resp: 673878
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

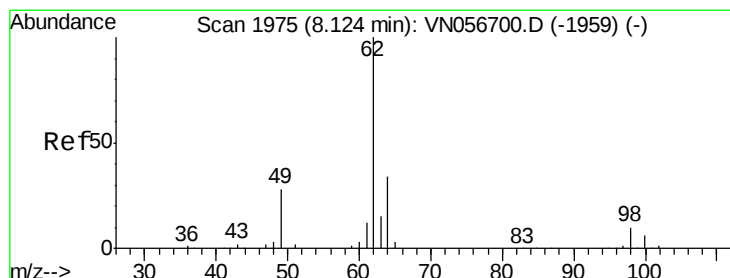
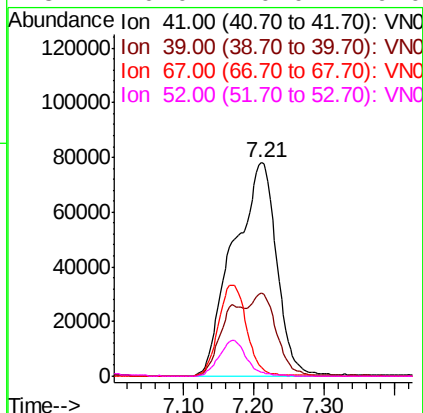
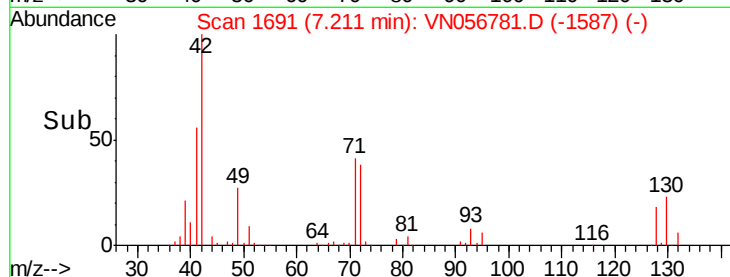
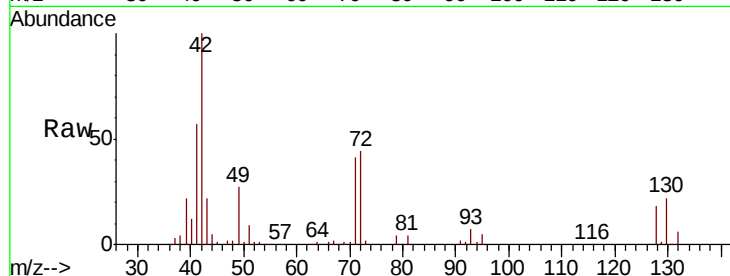




#41
Methacrylonitrile
Concen: 169.503 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

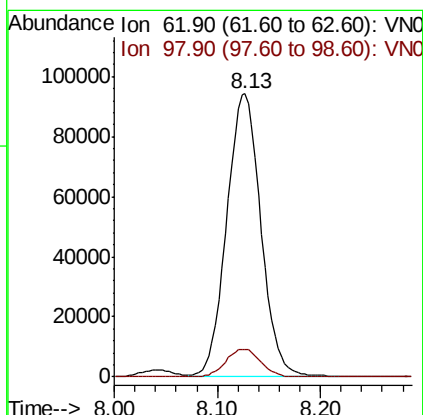
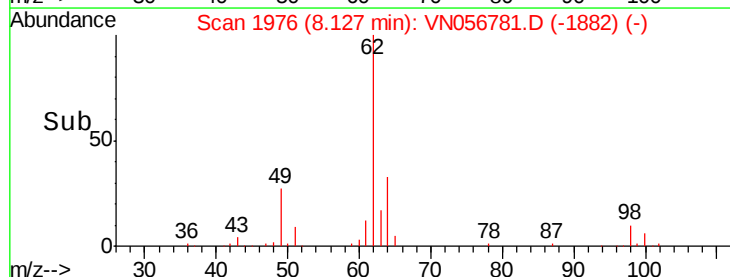
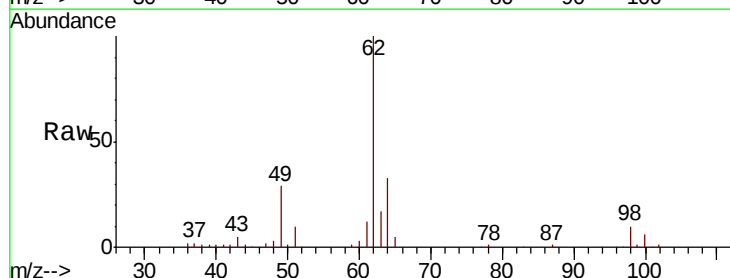
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

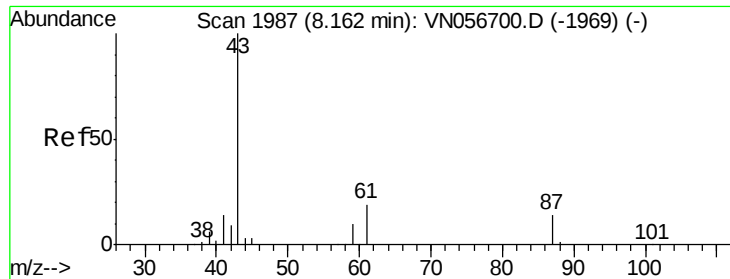
Tot Ion:	41	Resp:	335030
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 49.048 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion:	62	Resp:	216845
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.8





#43

Isopropyl Acetate

Concen: 52.555 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

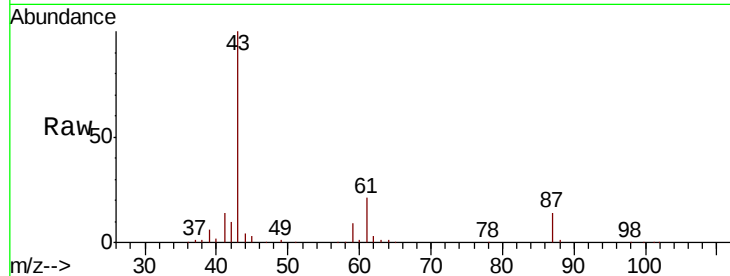
Tot Ion: 43 Resp: 371769

Ion Ratio Lower Upper

43 100

61 26.8 22.3 33.5

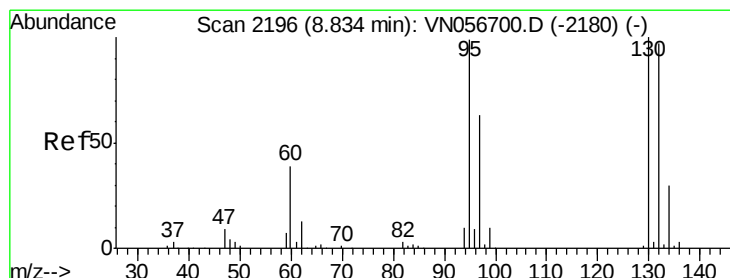
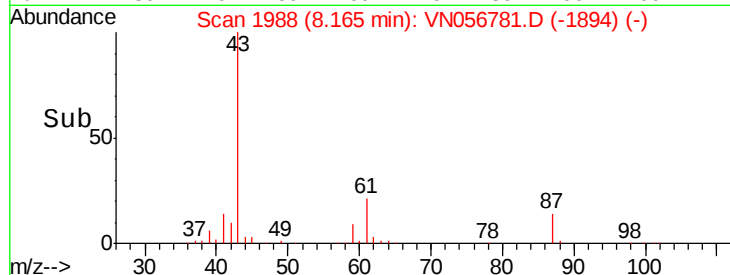
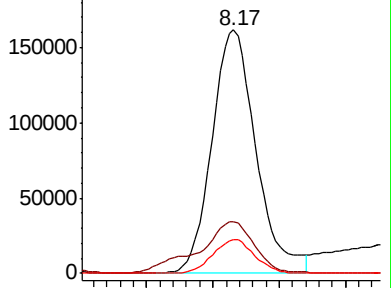
87 13.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056781.D (-1988) (-)

Ion 61.00 (60.70 to 61.70): VN056781.D (-1988) (-)

Ion 87.00 (86.70 to 87.70): VN056781.D (-1988) (-)



#44

Trichloroethene

Concen: 48.672 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056781.D

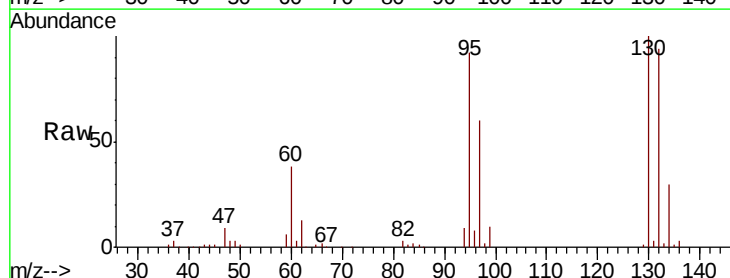
Acq: 16 Jul 2019 20:02

Tgt Ion:130 Resp: 184891

Ion Ratio Lower Upper

130 100

95 92.4 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056781.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN056781.D (-2197) (-)

Ion 130.80 (130.50 to 131.50): VN056781.D (-2197) (-)

Ion 131.80 (131.50 to 132.50): VN056781.D (-2197) (-)

Ion 132.80 (132.50 to 133.50): VN056781.D (-2197) (-)

Ion 133.80 (133.50 to 134.50): VN056781.D (-2197) (-)

Ion 134.80 (134.50 to 135.50): VN056781.D (-2197) (-)

Ion 135.80 (135.50 to 136.50): VN056781.D (-2197) (-)

Ion 136.80 (136.50 to 137.50): VN056781.D (-2197) (-)

Ion 137.80 (137.50 to 138.50): VN056781.D (-2197) (-)

Ion 138.80 (138.50 to 139.50): VN056781.D (-2197) (-)

Ion 139.80 (139.50 to 140.50): VN056781.D (-2197) (-)

Ion 140.80 (140.50 to 141.50): VN056781.D (-2197) (-)

Ion 141.80 (141.50 to 142.50): VN056781.D (-2197) (-)

Ion 142.80 (142.50 to 143.50): VN056781.D (-2197) (-)

Ion 143.80 (143.50 to 144.50): VN056781.D (-2197) (-)

Ion 144.80 (144.50 to 145.50): VN056781.D (-2197) (-)

Ion 145.80 (145.50 to 146.50): VN056781.D (-2197) (-)

Ion 146.80 (146.50 to 147.50): VN056781.D (-2197) (-)

Ion 147.80 (147.50 to 148.50): VN056781.D (-2197) (-)

Ion 148.80 (148.50 to 149.50): VN056781.D (-2197) (-)

Ion 149.80 (149.50 to 150.50): VN056781.D (-2197) (-)

Ion 150.80 (150.50 to 151.50): VN056781.D (-2197) (-)

Ion 151.80 (151.50 to 152.50): VN056781.D (-2197) (-)

Ion 152.80 (152.50 to 153.50): VN056781.D (-2197) (-)

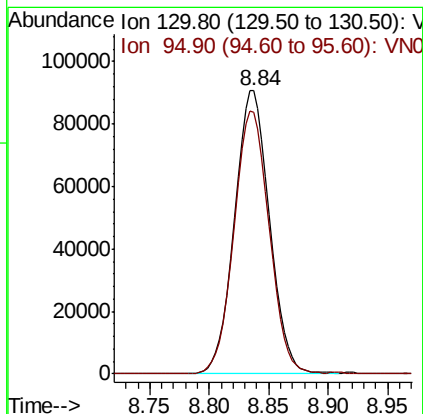
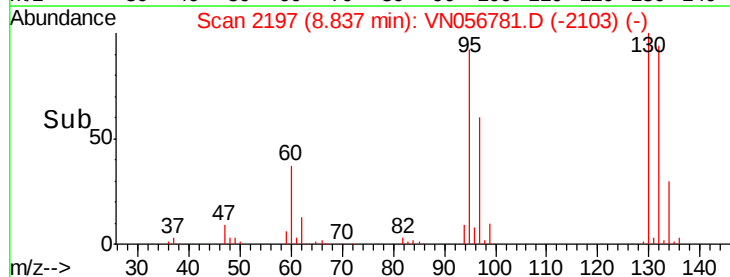
Ion 153.80 (153.50 to 154.50): VN056781.D (-2197) (-)

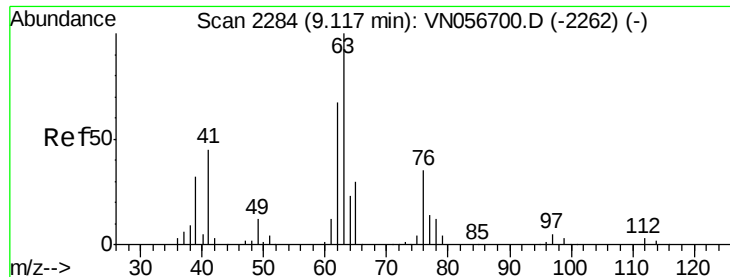
Ion 154.80 (154.50 to 155.50): VN056781.D (-2197) (-)

Ion 155.80 (155.50 to 156.50): VN056781.D (-2197) (-)

Ion 156.80 (156.50 to 157.50): VN056781.D (-2197) (-)

Ion 157.80 (157.50 to 158.50): VN056781.D (-2197) (-)

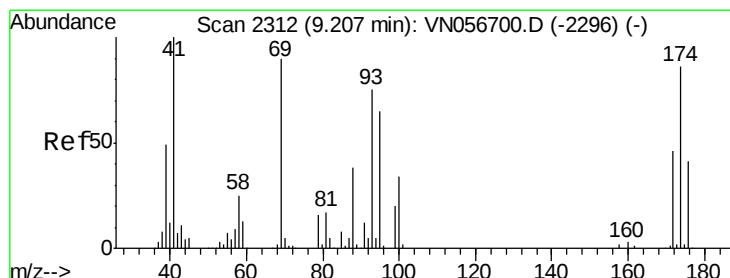
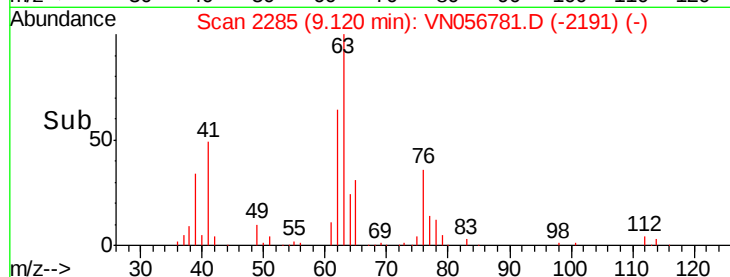
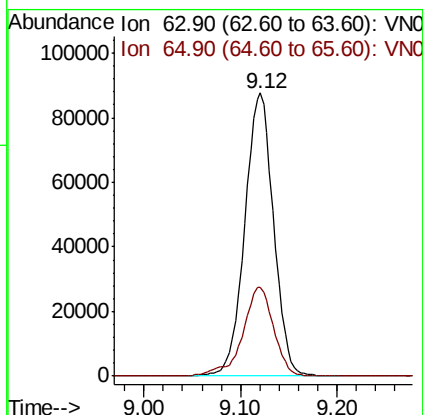
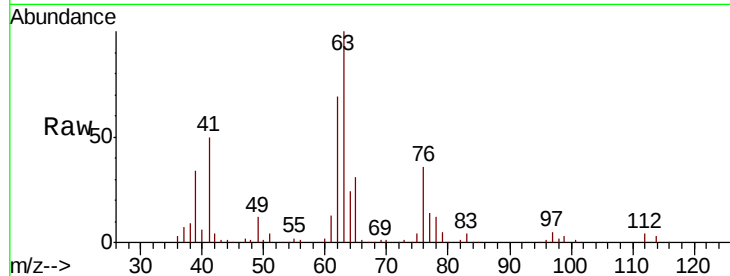




#45
 1,2-Dichloropropane
 Concen: 48.613 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

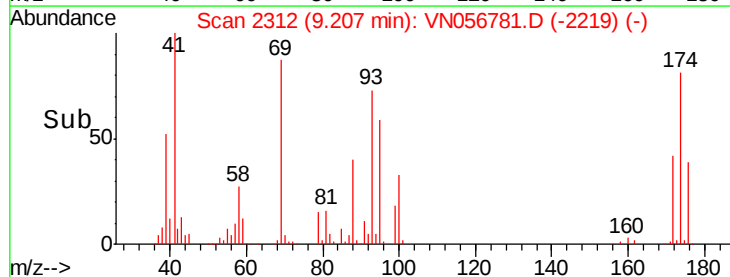
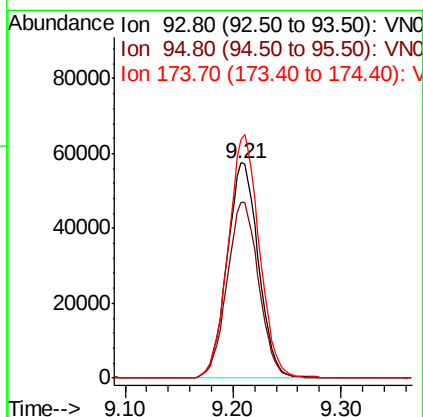
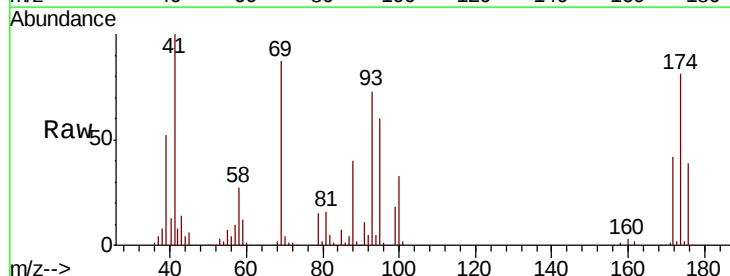
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

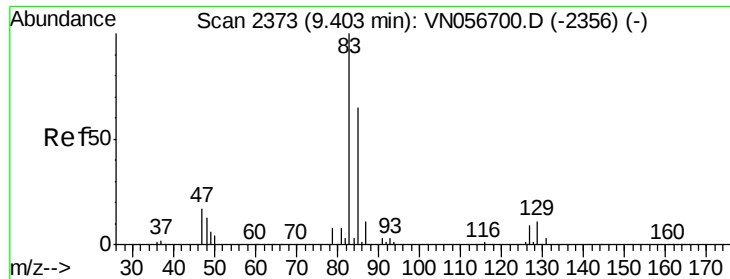
Tot Ion: 63 Resp: 180698
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.0 36.0



#46
 Dibromomethane
 Concen: 50.743 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 93 Resp: 116886
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.4 101.0
 174 111.6 90.3 135.5





#47

Bromodichloromethane

Concen: 50.470 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

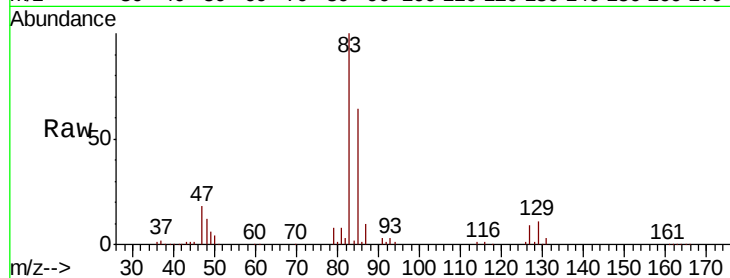
Tot Ion: 83 Resp: 220921

Ion Ratio Lower Upper

83 100

85 64.0 52.3 78.5

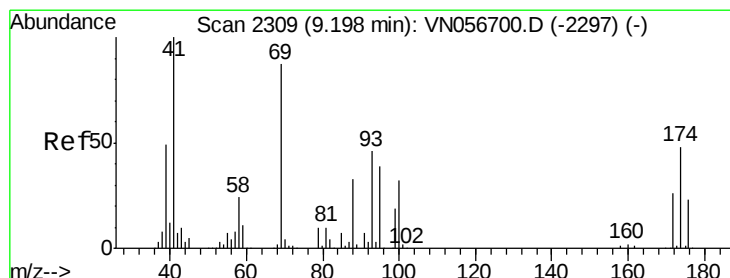
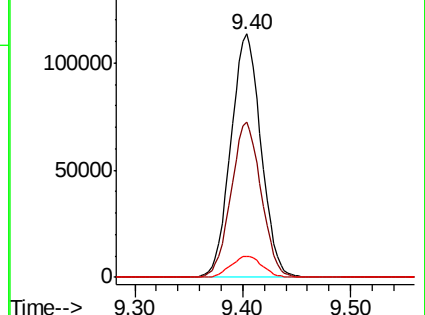
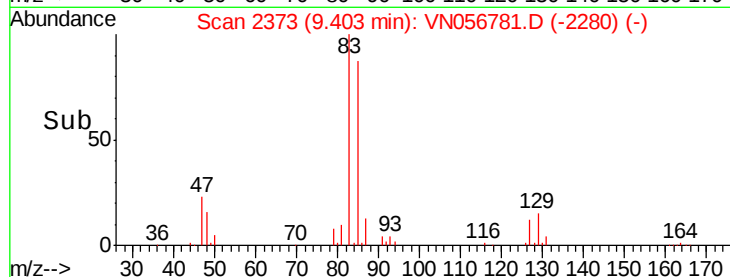
127 8.8 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 51.129 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

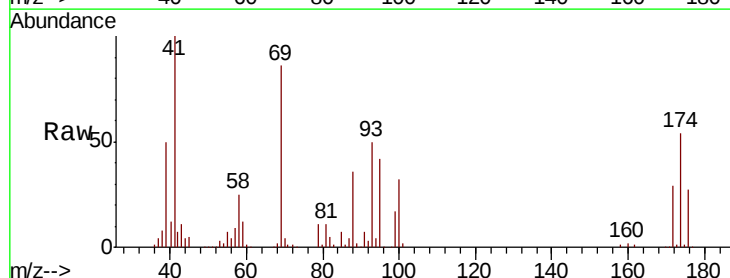
Tgt Ion: 41 Resp: 174915

Ion Ratio Lower Upper

41 100

69 89.2 71.4 107.0

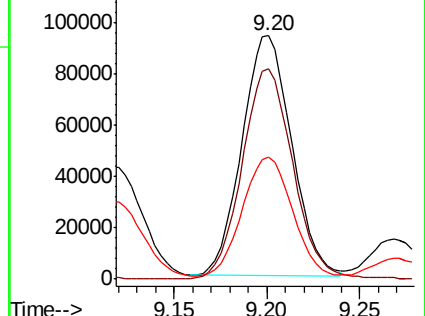
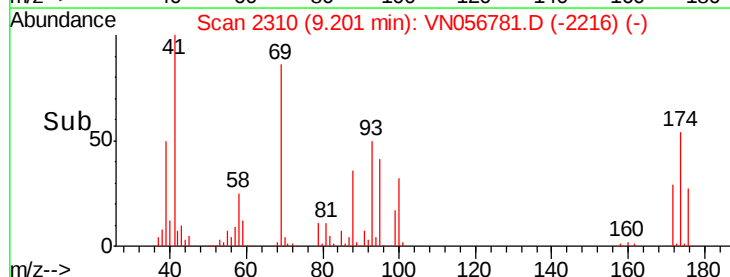
39 52.2 41.2 61.8

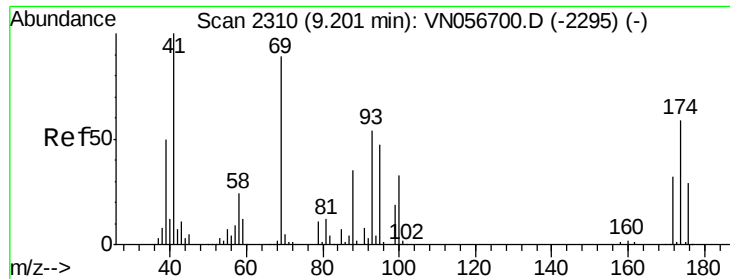


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1055.257 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

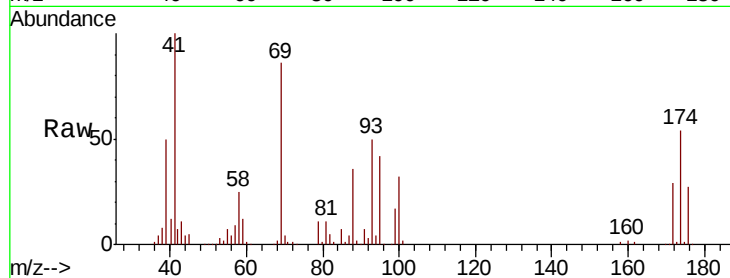
Tot Ion: 88 Resp: 74075

Ion Ratio Lower Upper

88 100

43 29.2 23.7 35.5

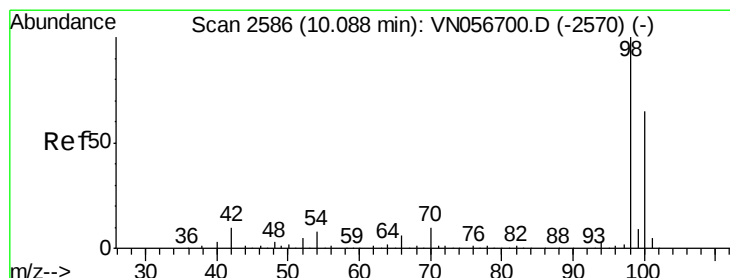
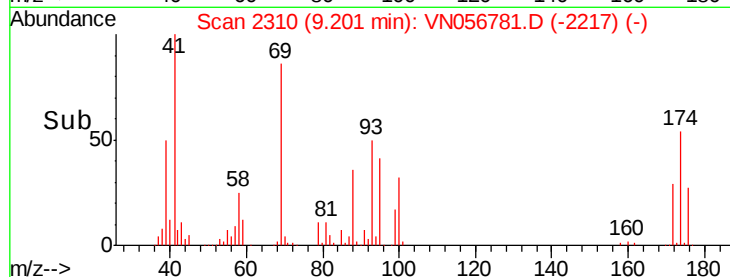
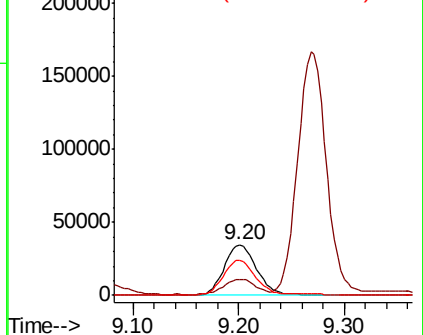
58 68.5 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.116 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056781.D

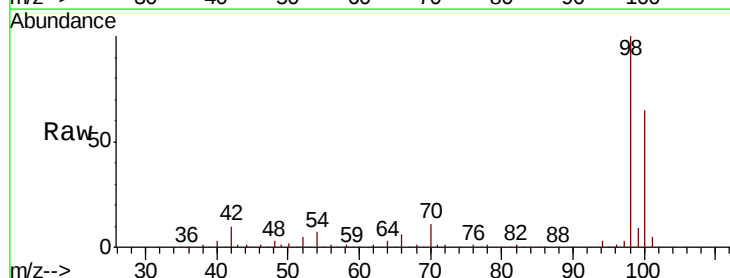
Acq: 16 Jul 2019 20:02

Tgt Ion: 98 Resp: 594298

Ion Ratio Lower Upper

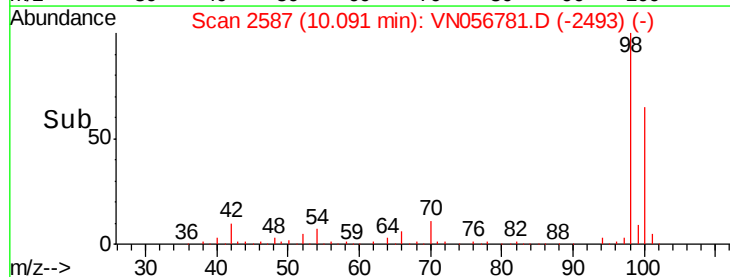
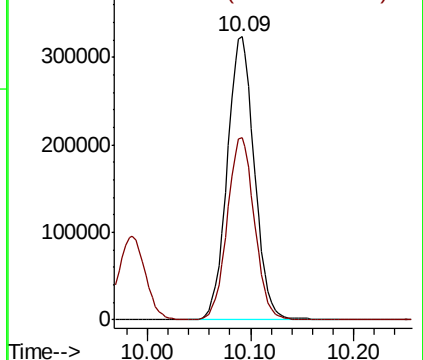
98 100

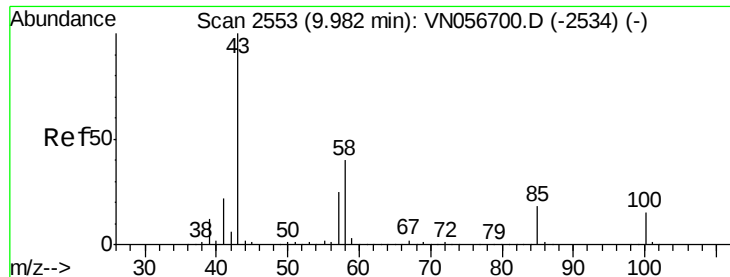
100 64.7 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 252.198 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

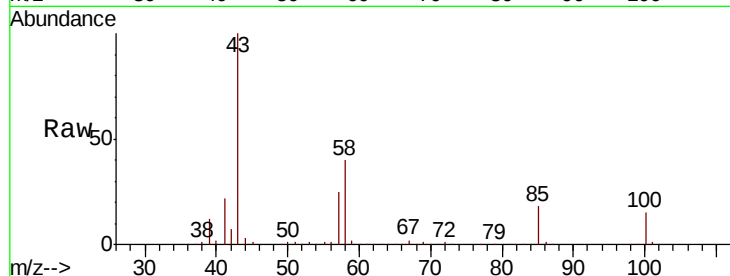
VSTDCCC050EC

Tot Ion: 43 Resp: 1155490

Ion Ratio Lower Upper

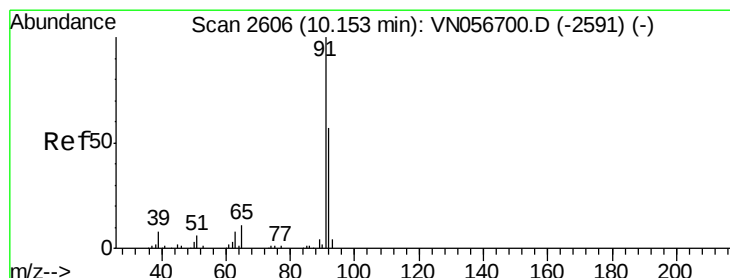
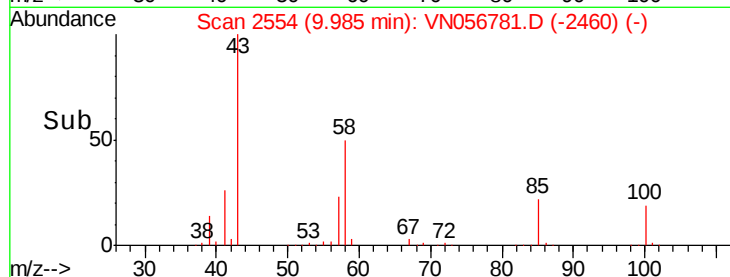
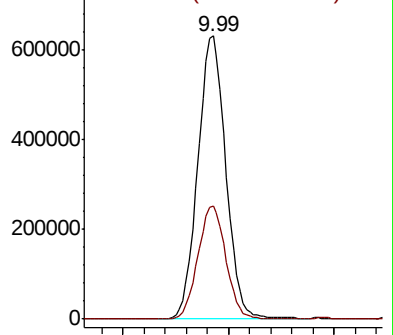
43 100

58 40.1 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.964 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056781.D

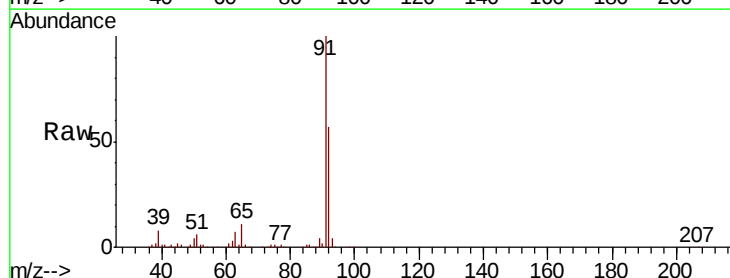
Acq: 16 Jul 2019 20:02

Tgt Ion: 92 Resp: 415089

Ion Ratio Lower Upper

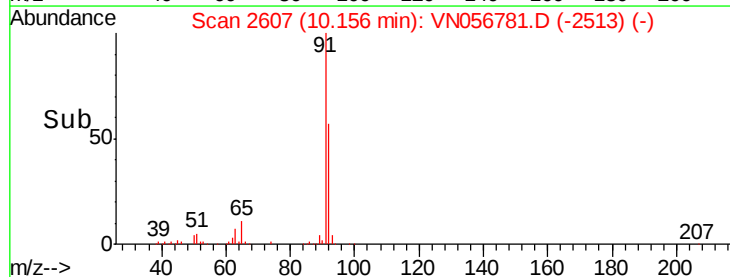
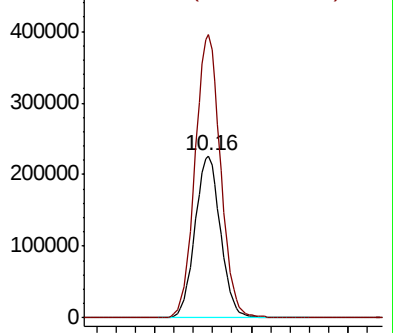
92 100

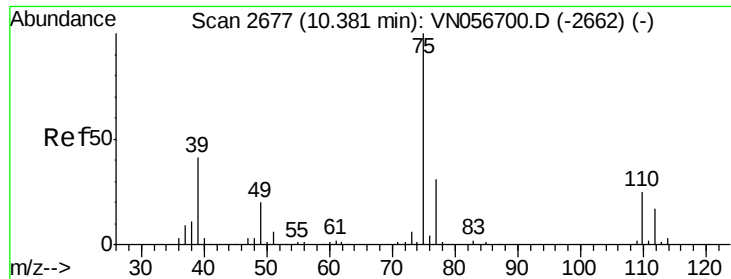
91 174.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 51.317 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

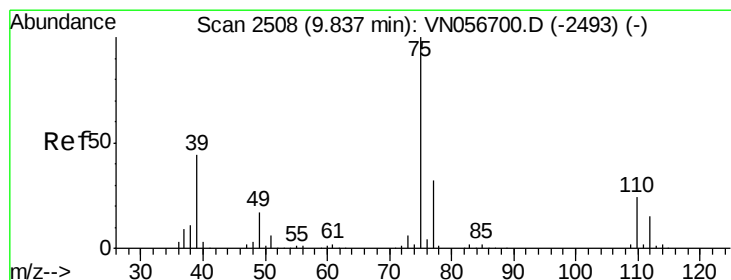
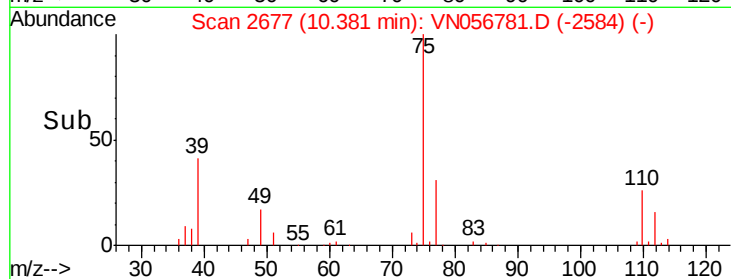
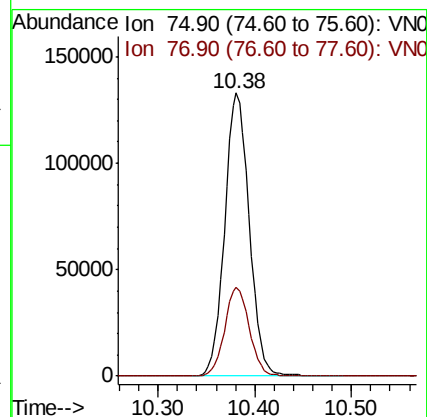
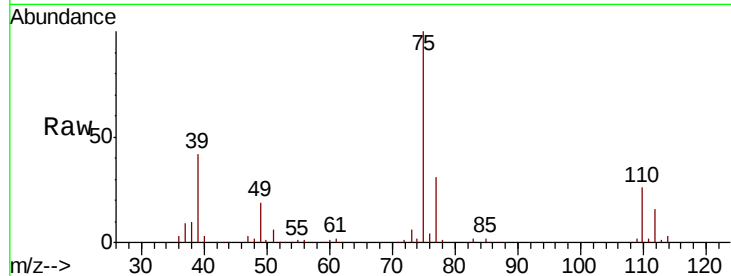
VSTDCCC050EC

Tot Ion: 75 Resp: 234355

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 50.532 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

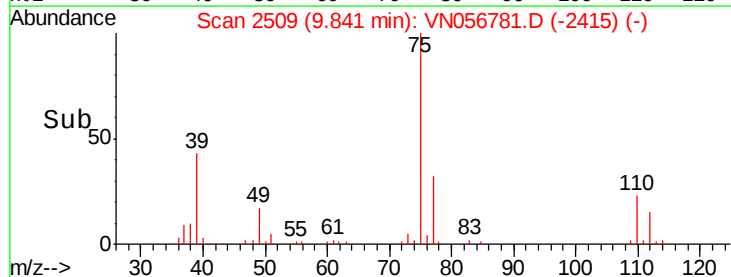
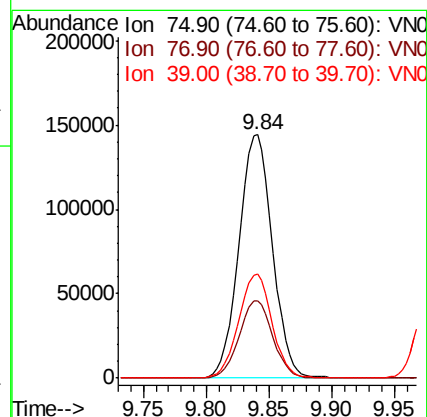
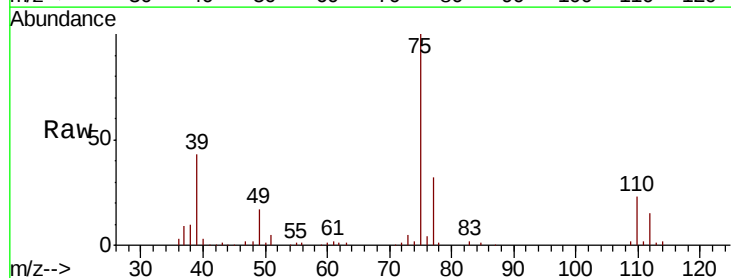
Tgt Ion: 75 Resp: 267793

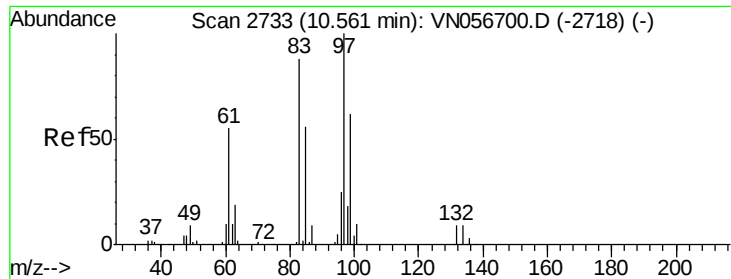
Ion Ratio Lower Upper

75 100

77 31.7 26.0 39.0

39 42.5 35.1 52.7



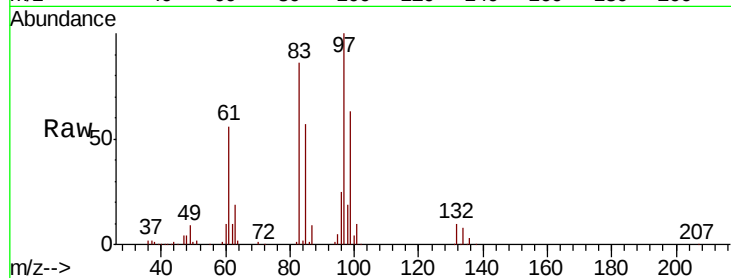


#55
 1,1,2-Trichloroethane
 Concen: 48.814 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

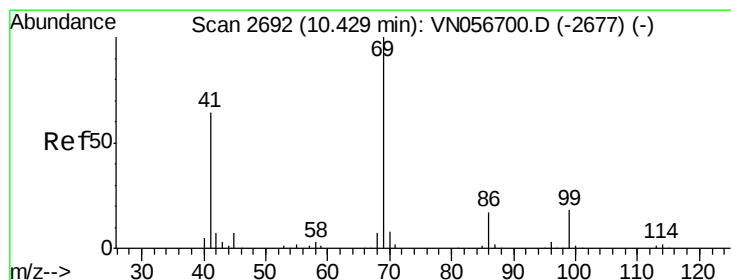
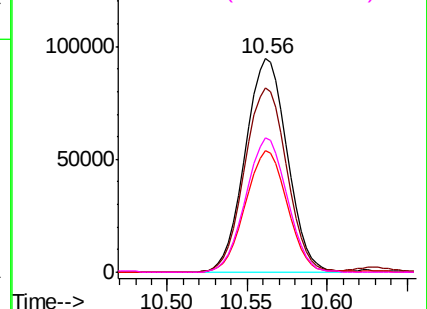
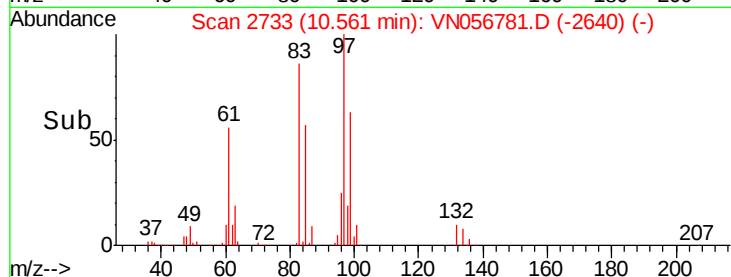
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 170094

Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.3	105.5
85	56.8	44.8	67.2
99	62.8	49.6	74.4



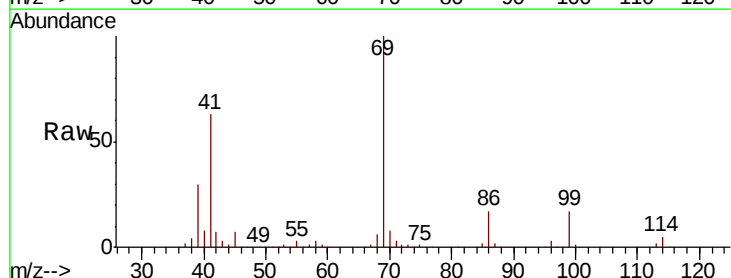
Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0



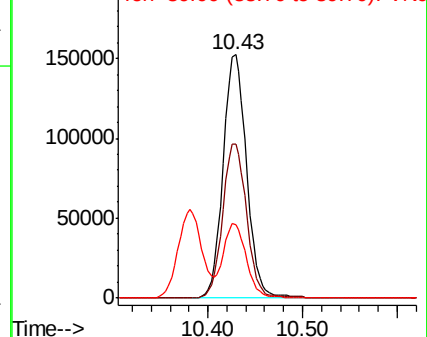
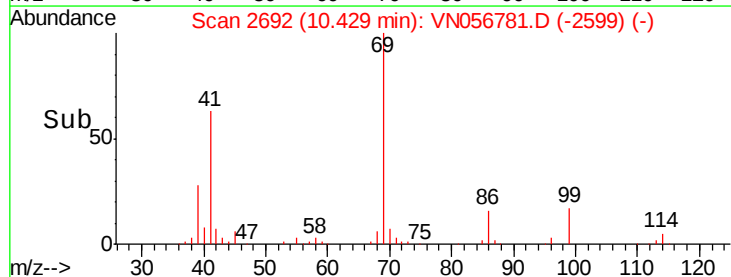
#56
 Ethyl methacrylate
 Concen: 52.511 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

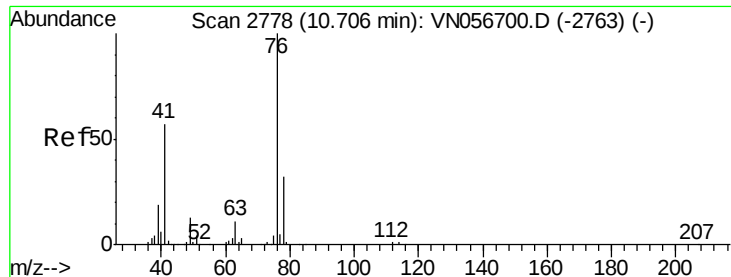
Tgt Ion: 69 Resp: 263277

Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.0	76.4
39	29.7	24.6	36.8



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.716 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

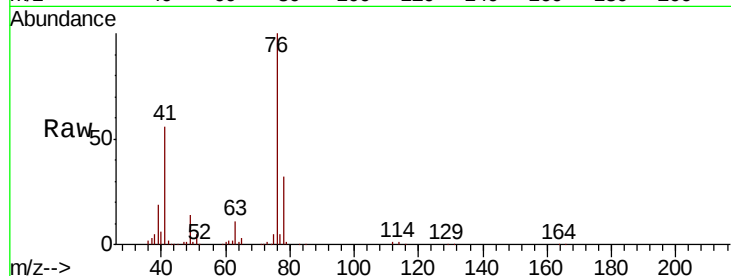
VSTDCCC050EC

Tot Ion: 76 Resp: 282936

Ion Ratio Lower Upper

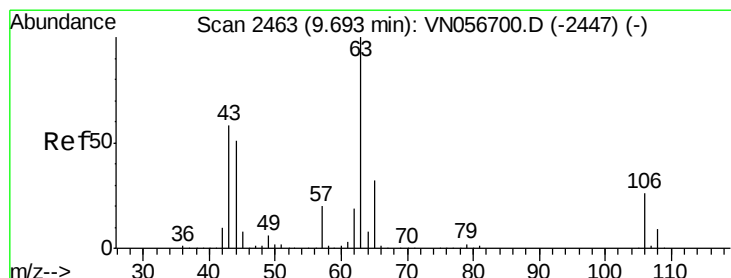
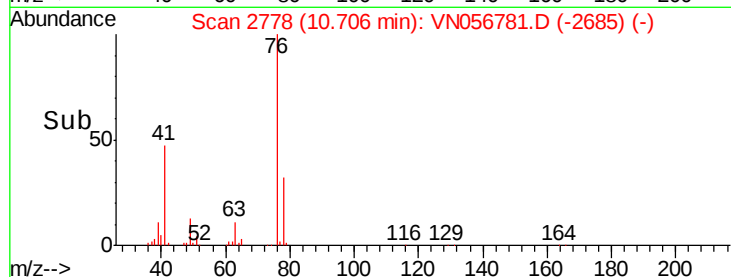
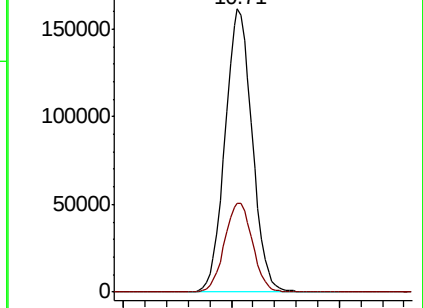
76 100

78 32.5 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 253.066 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056781.D

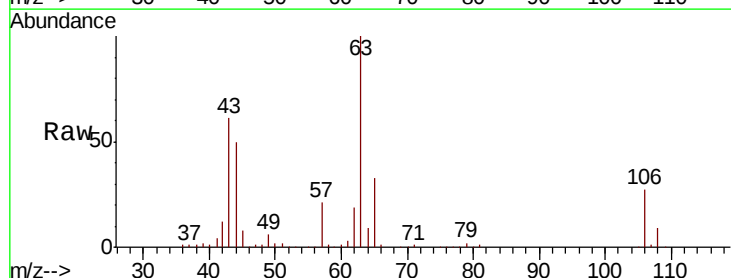
Acq: 16 Jul 2019 20:02

Tgt Ion: 63 Resp: 610133

Ion Ratio Lower Upper

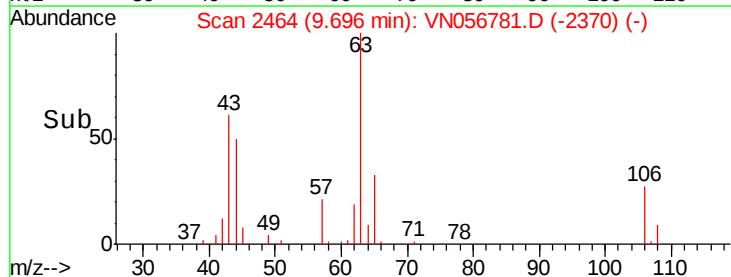
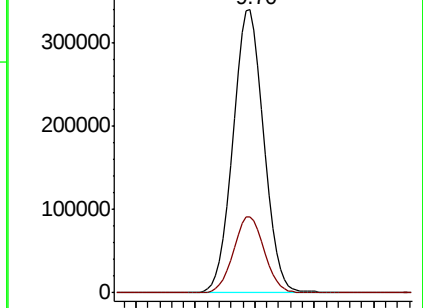
63 100

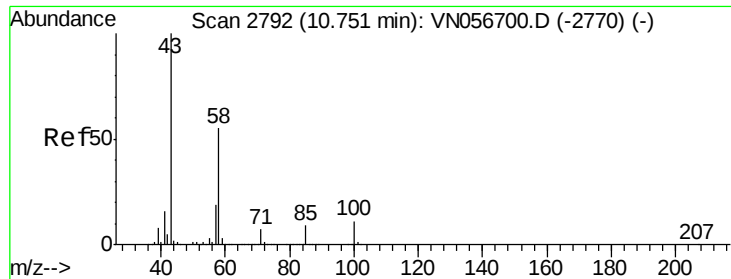
106 26.9 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

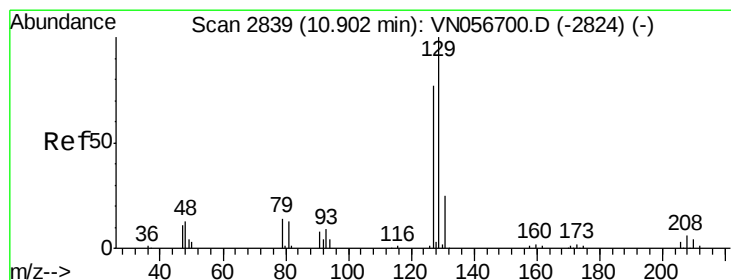
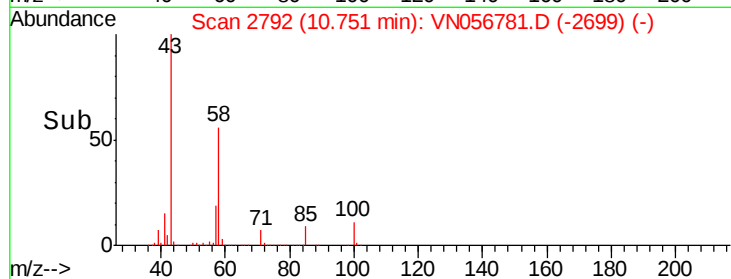
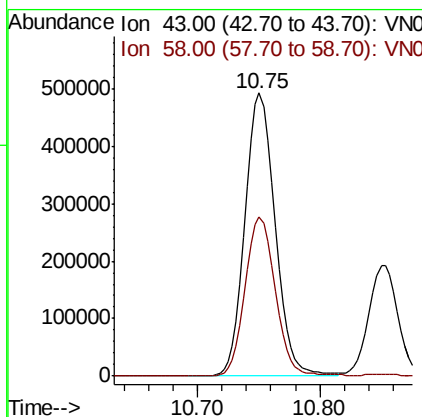
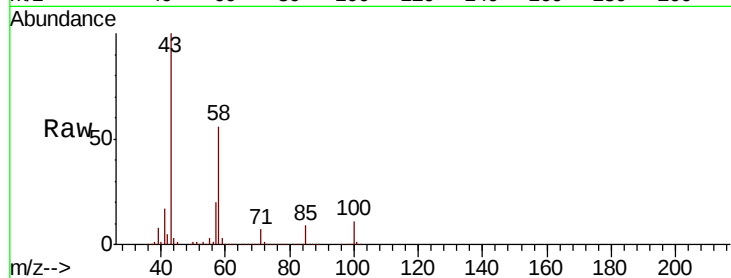




#59
2-Hexanone
Concen: 254.576 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

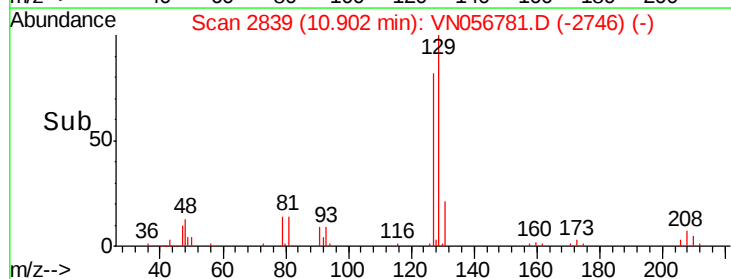
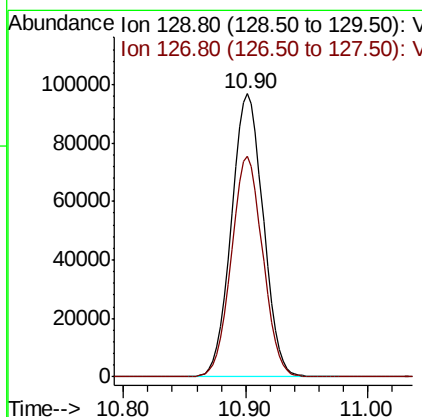
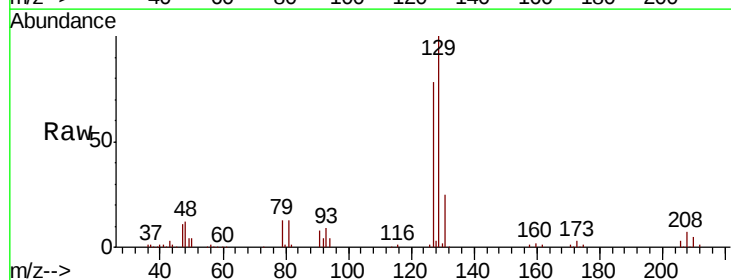
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

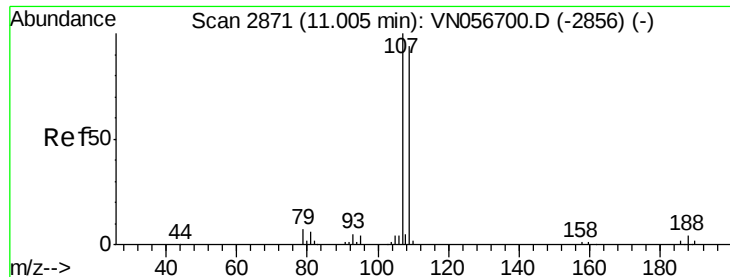
Tot Ion: 43 Resp: 836923
Ion Ratio Lower Upper
43 100
58 56.4 27.9 83.6



#60
Dibromochloromethane
Concen: 51.234 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 129 Resp: 175577
Ion Ratio Lower Upper
129 100
127 77.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 51.419 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

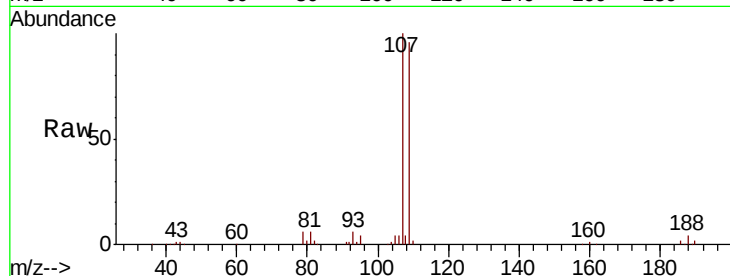
VSTDCCC050EC

Tot Ion: 107 Resp: 178062

Ion Ratio Lower Upper

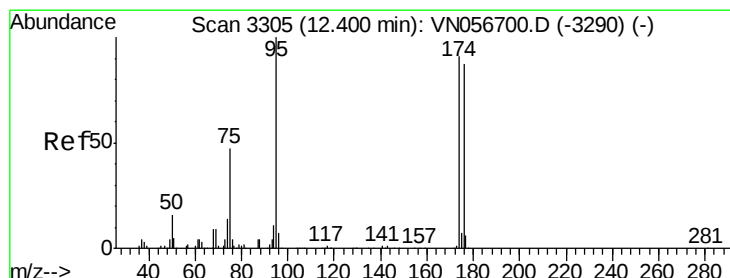
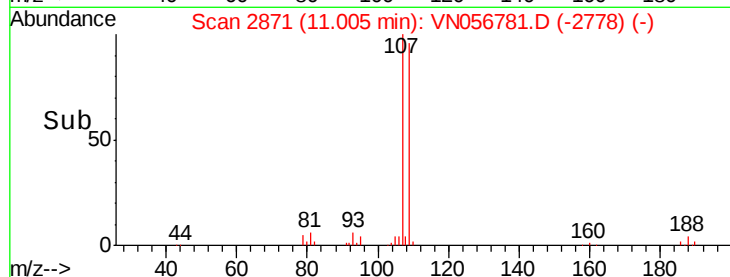
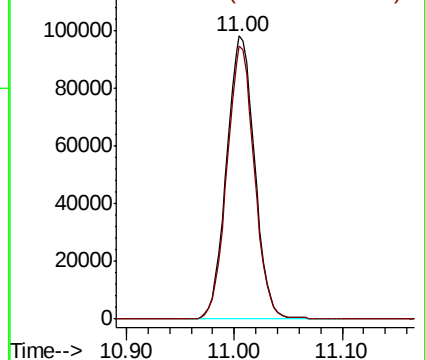
107 100

109 93.9 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.768 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

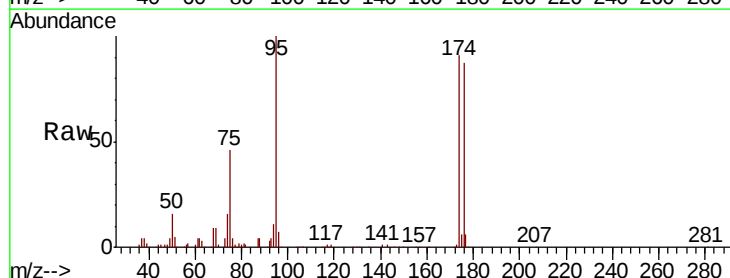
Tgt Ion: 95 Resp: 203026

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.0

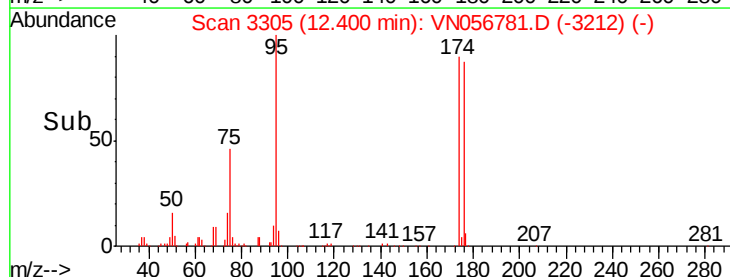
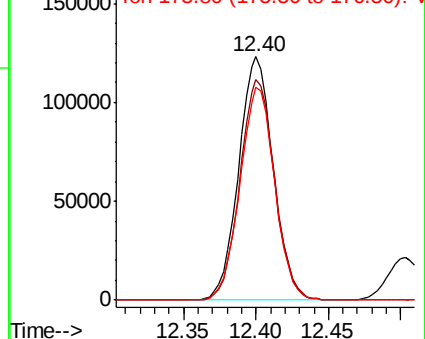
176 88.2 0.0 173.2

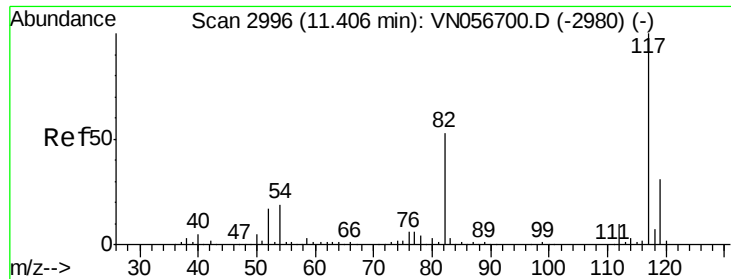


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

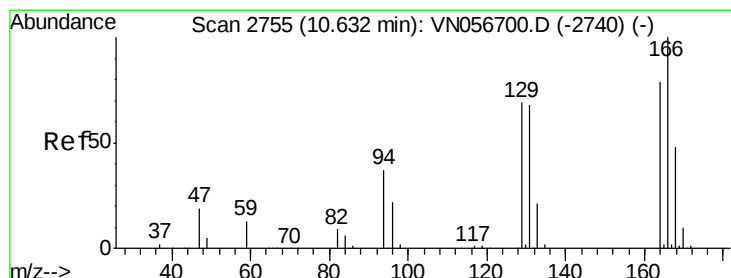
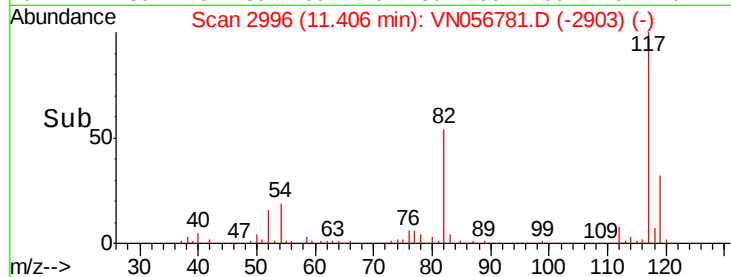
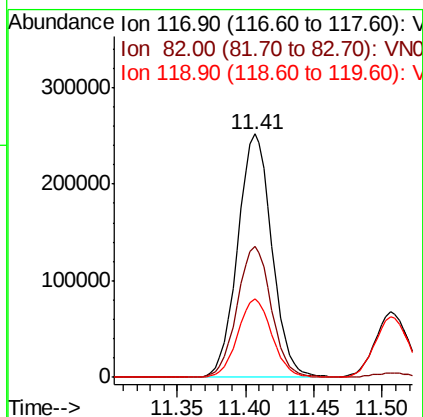
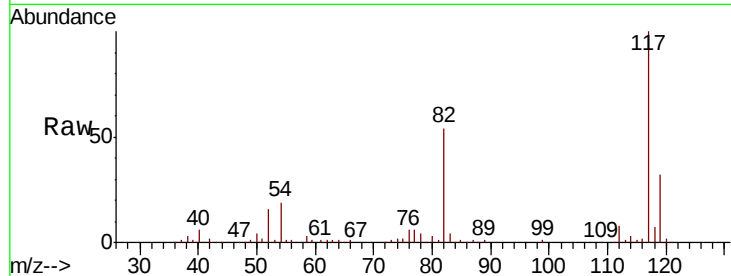




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

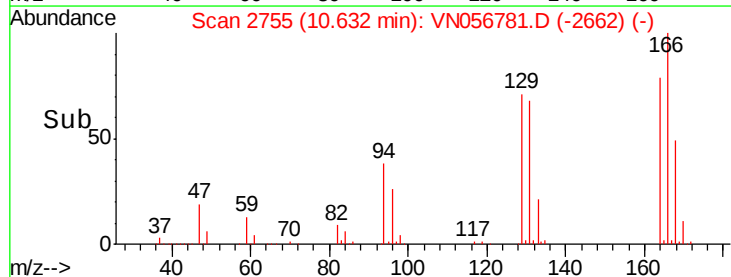
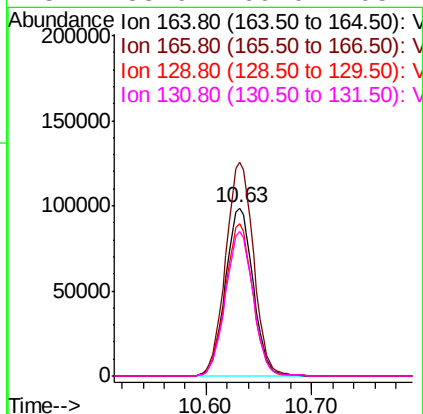
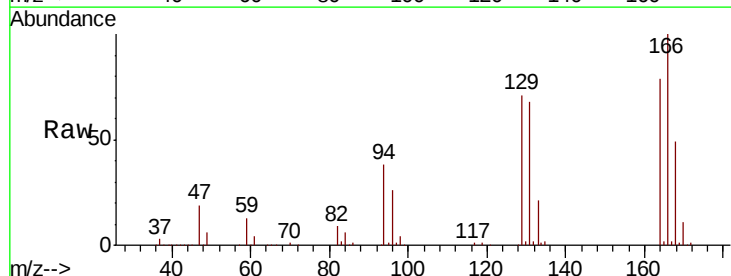
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

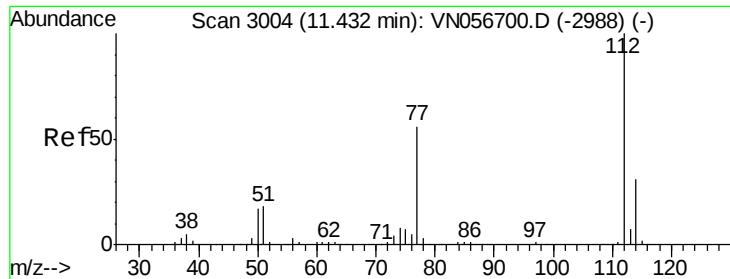
Tot Ion:117 Resp: 438675
Ion Ratio Lower Upper
117 100
82 53.6 42.2 63.2
119 32.1 25.2 37.8



#64
Tetrachloroethene
Concen: 47.423 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion:164 Resp: 179475
Ion Ratio Lower Upper
164 100
166 127.0 101.4 152.2
129 90.5 69.6 104.4
131 85.9 69.0 103.4





#65

Chlorobenzene

Concen: 49.752 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

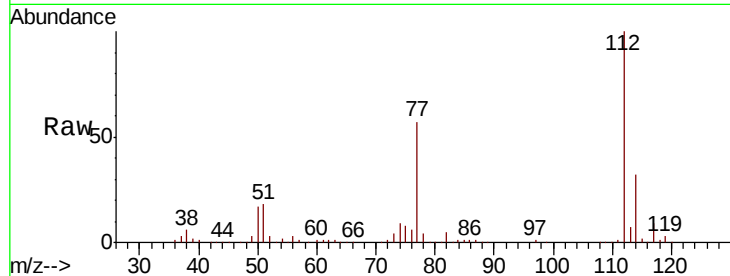
VSTDCCC050EC

Tot Ion:112 Resp: 446265

Ion Ratio Lower Upper

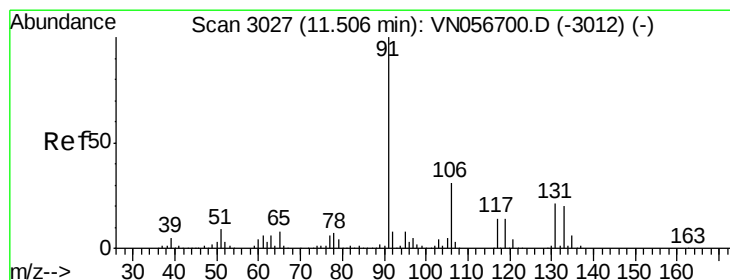
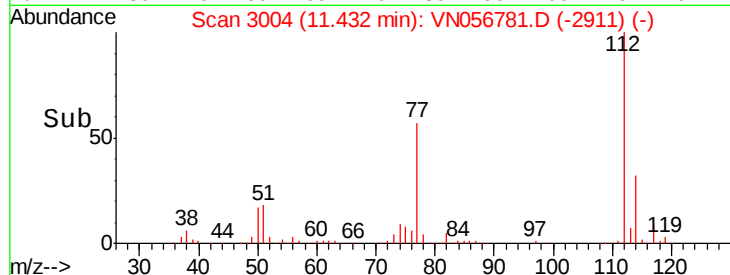
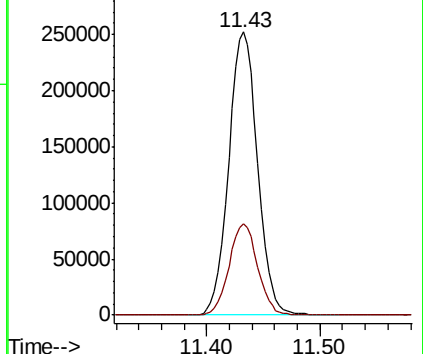
112 100

114 32.2 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.275 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

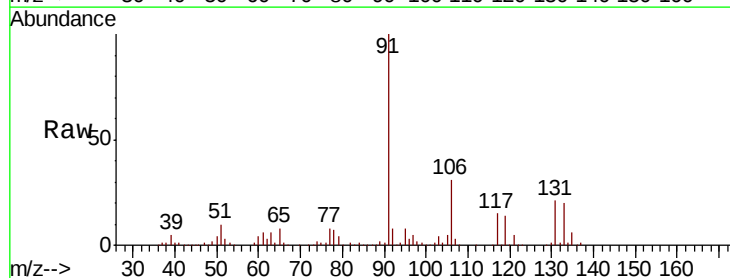
Tgt Ion:131 Resp: 166035

Ion Ratio Lower Upper

131 100

133 95.4 46.9 140.7

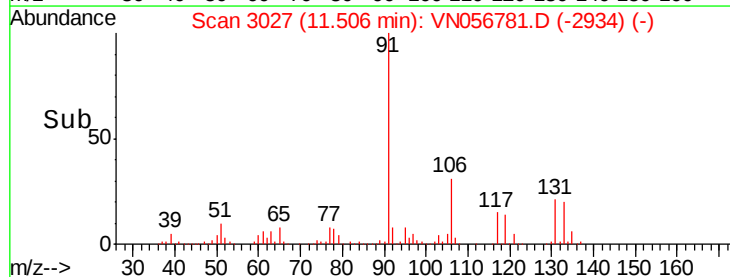
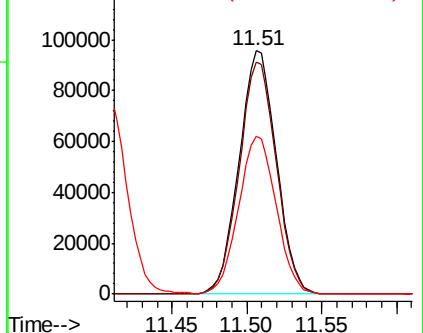
119 65.5 32.8 98.3

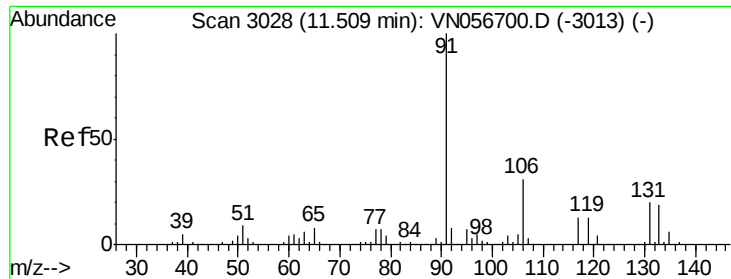


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

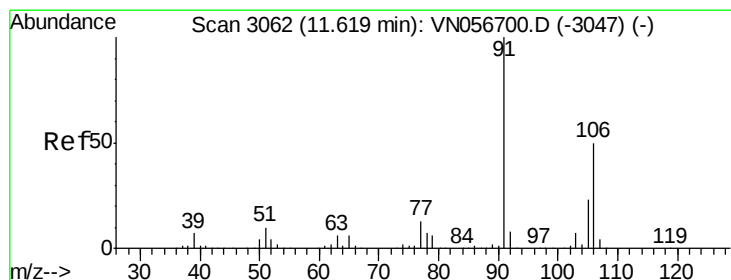
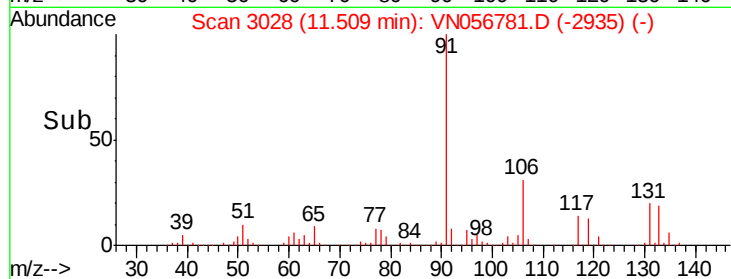
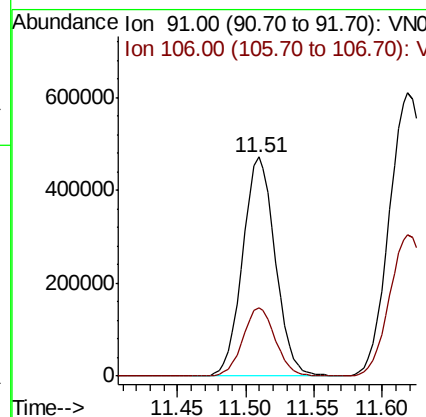
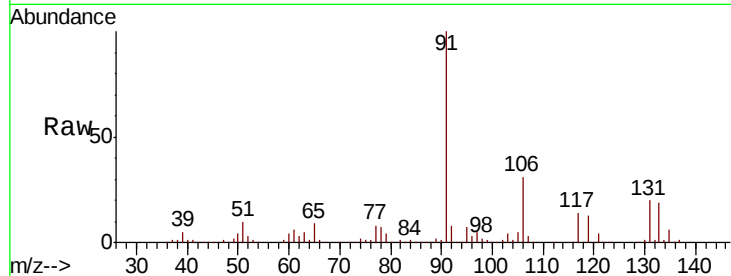




#67
Ethyl Benzene
Concen: 49.729 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

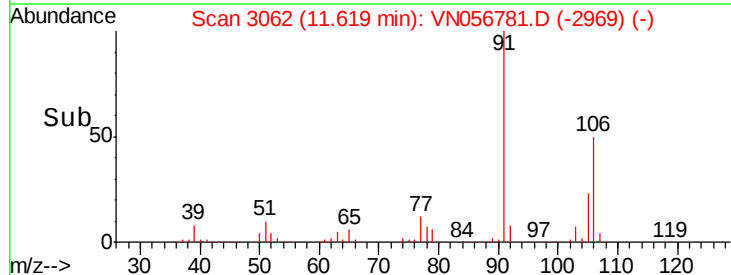
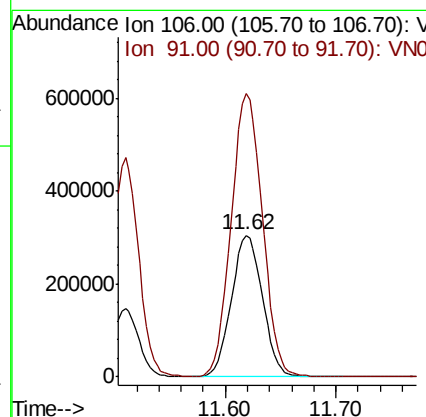
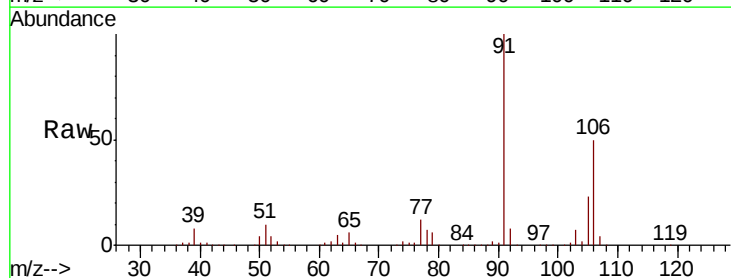
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

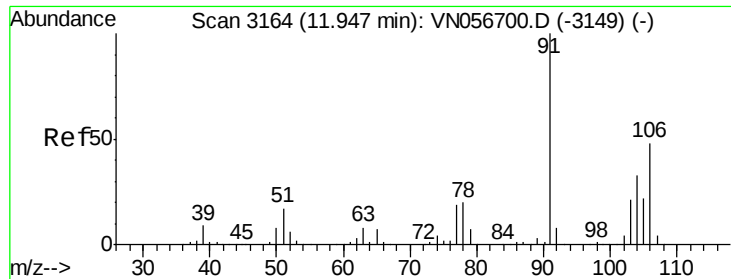
Tot Ion: 91 Resp: 783902
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 100.939 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 106 Resp: 594652
Ion Ratio Lower Upper
106 100
91 201.4 160.5 240.7

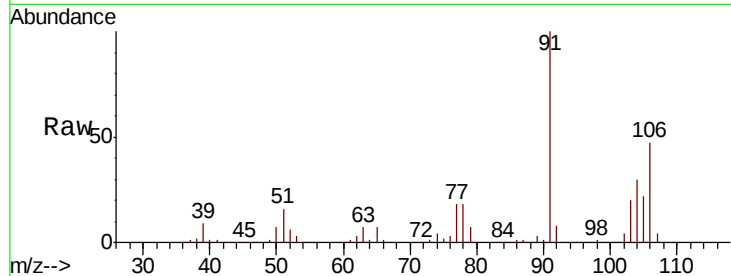




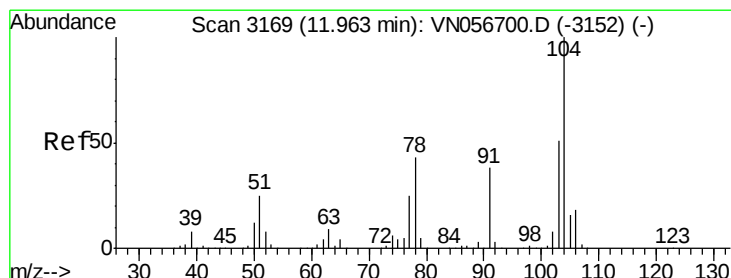
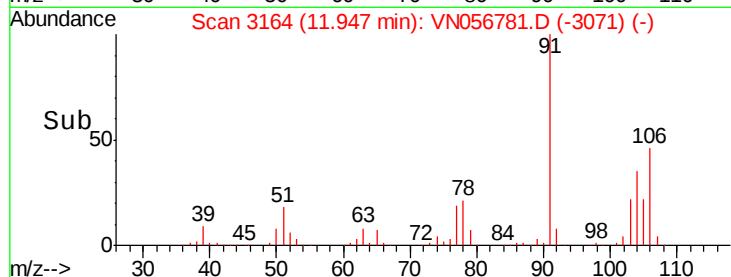
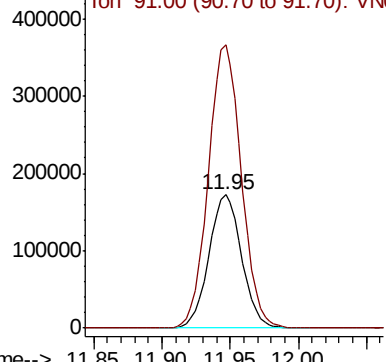
#69
o-Xylene
Concen: 49.274 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 285386
Ion Ratio Lower Upper
106 100
91 214.7 105.6 316.8

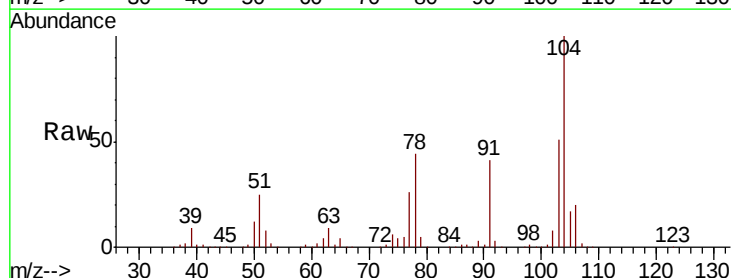


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

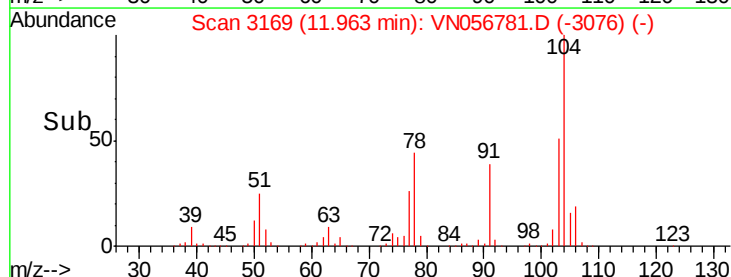
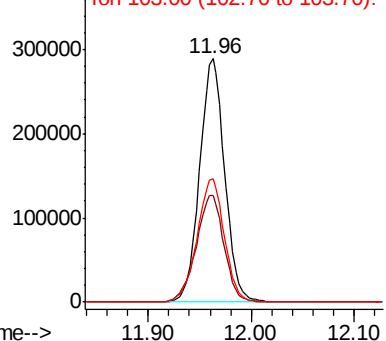


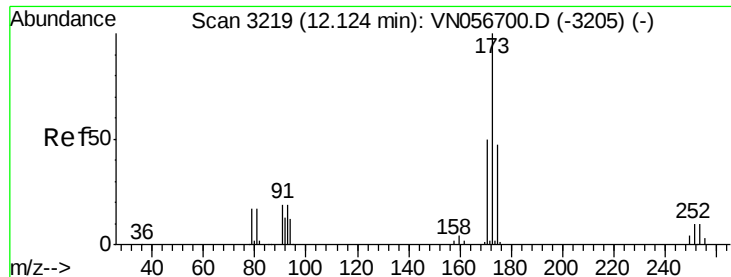
#70
Styrene
Concen: 52.194 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion:104 Resp: 488723
Ion Ratio Lower Upper
104 100
78 48.5 38.6 57.8
103 55.1 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 51.108 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

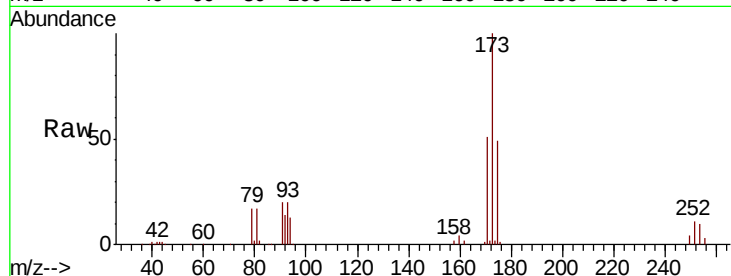
Tot Ion:173 Resp: 128426

Ion Ratio Lower Upper

173 100

175 49.4 23.8 71.4

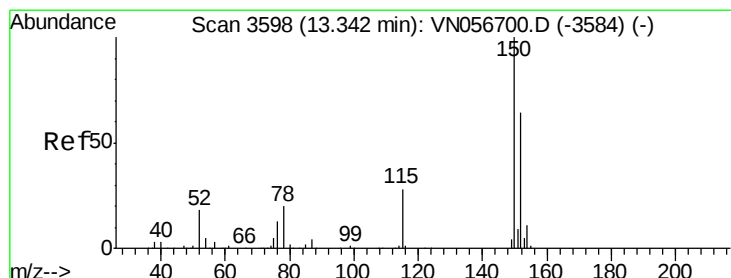
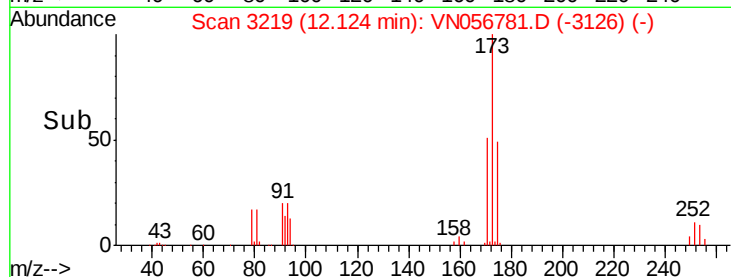
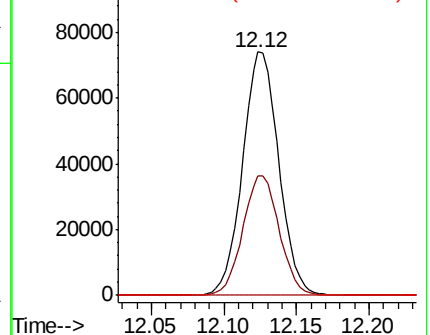
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

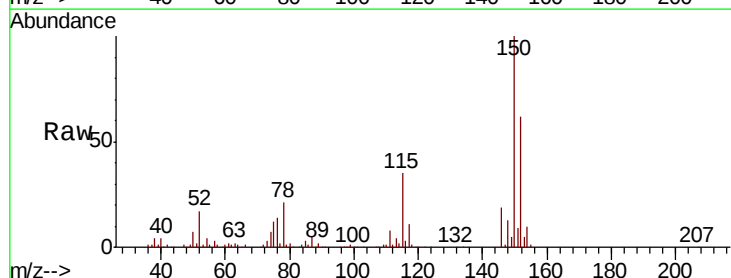
Tgt Ion:152 Resp: 202054

Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.7

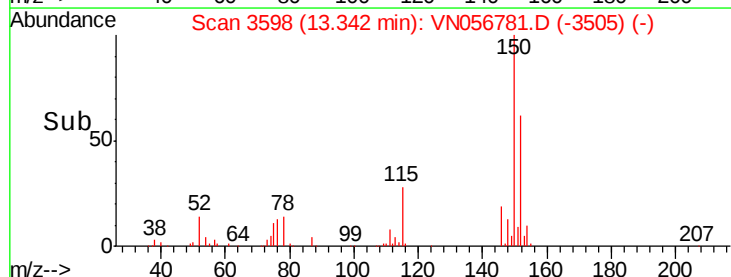
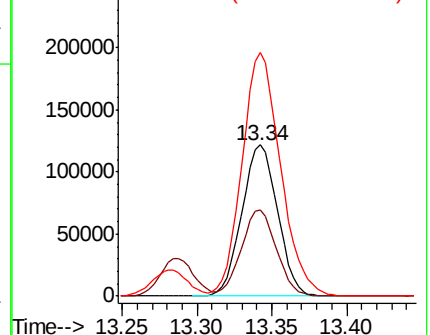
150 173.9 0.0 345.8

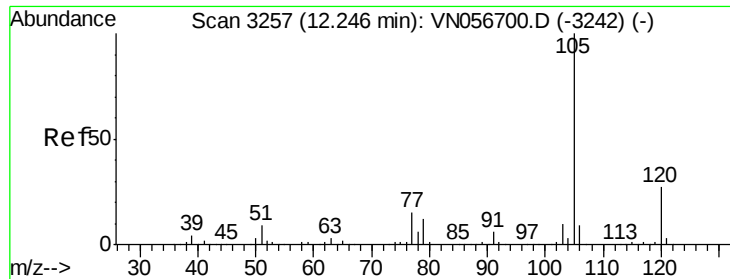


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.302 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

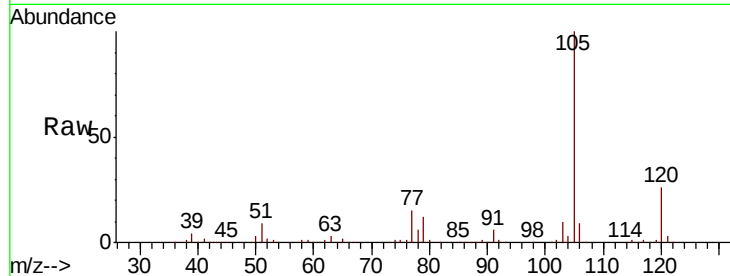
VSTDCCC050EC

Tot Ion:105 Resp: 770637

Ion Ratio Lower Upper

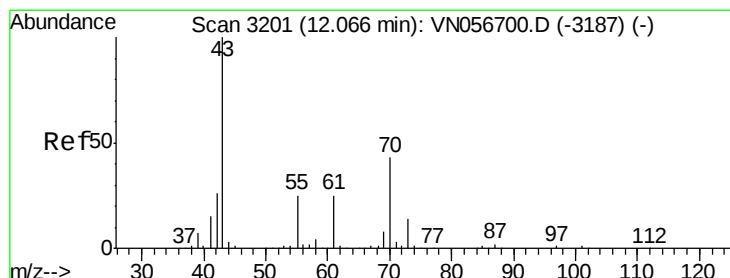
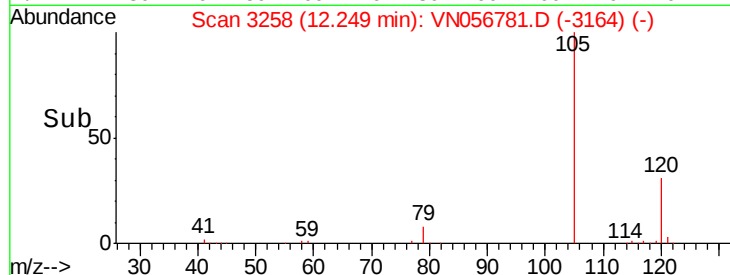
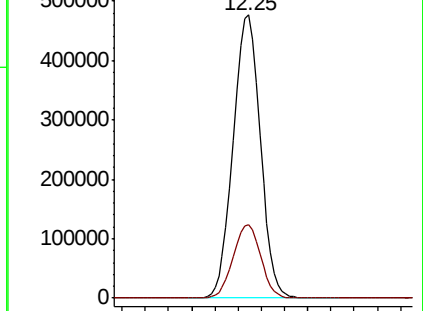
105 100

120 26.3 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.582 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Tgt Ion: 43 Resp: 294769

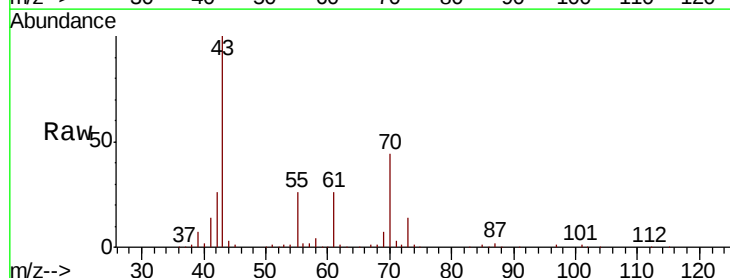
Ion Ratio Lower Upper

43 100

70 44.1 34.5 51.7

55 25.9 20.2 30.2

61 25.7 19.9 29.9

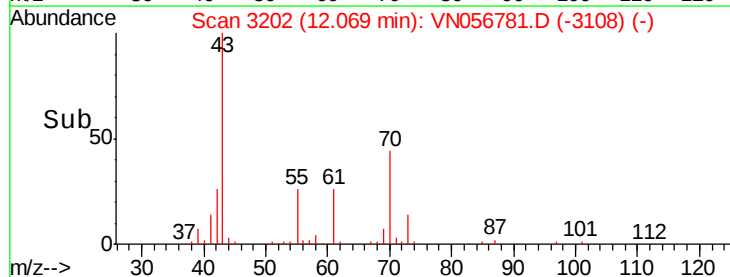
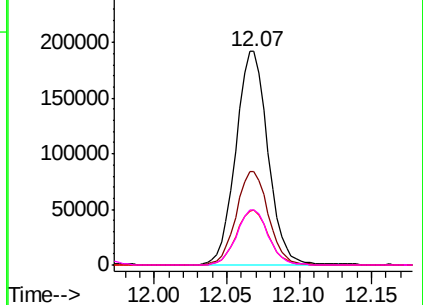


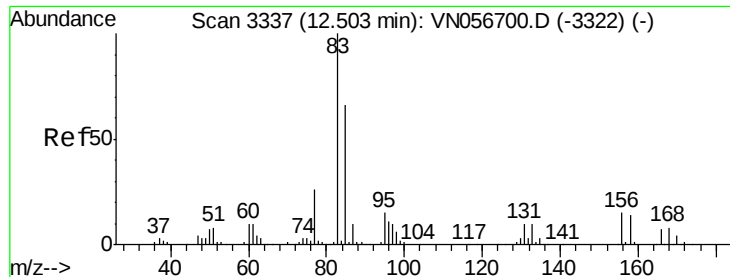
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.164 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

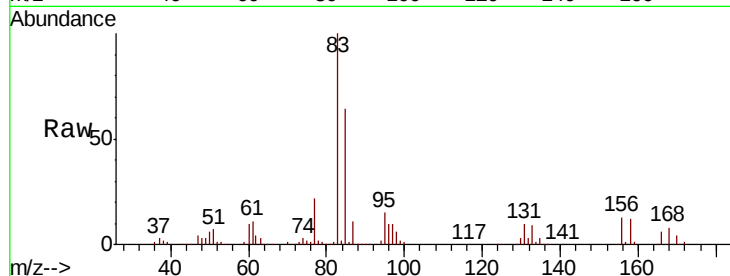
Tot Ion: 83 Resp: 245694

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

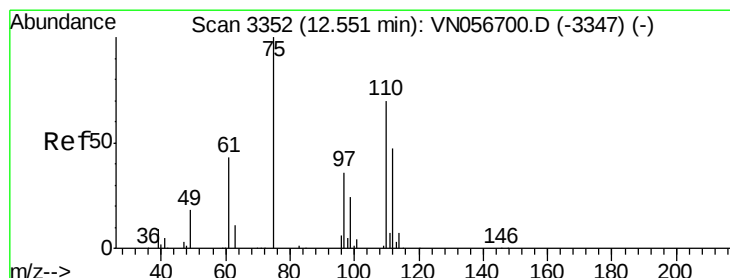
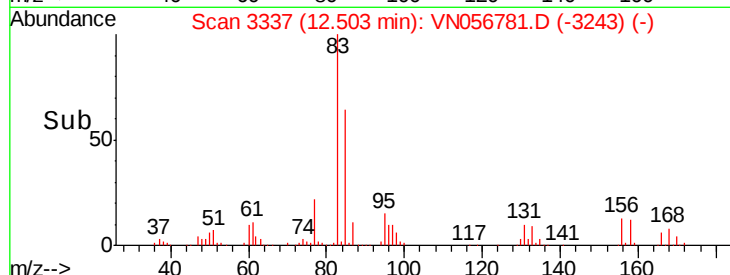
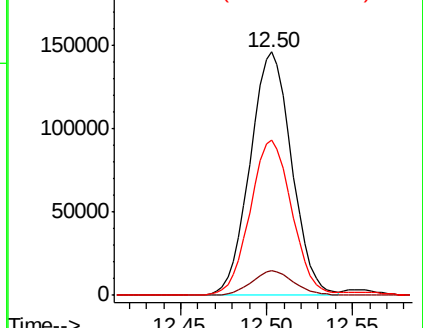
85 63.9 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VN056781.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056781.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056781.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 68.049 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056781.D

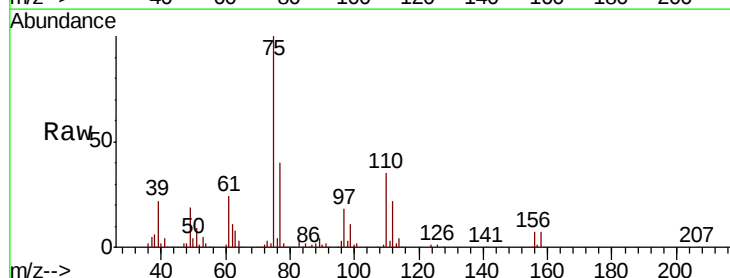
Acq: 16 Jul 2019 20:02

Tgt Ion: 75 Resp: 300726

Ion Ratio Lower Upper

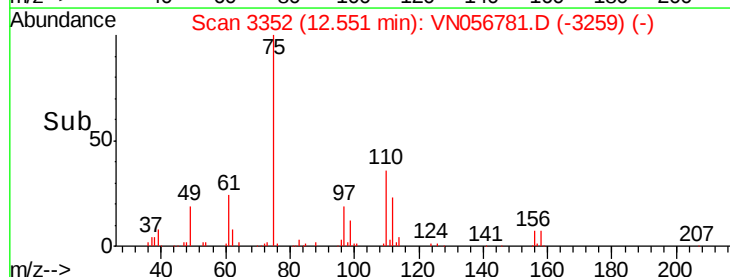
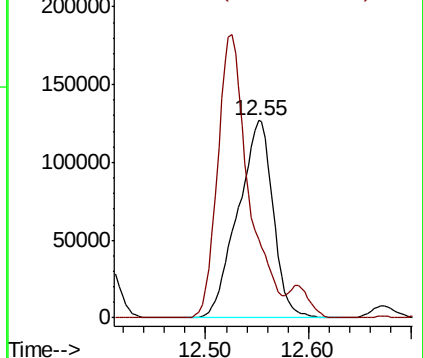
75 100

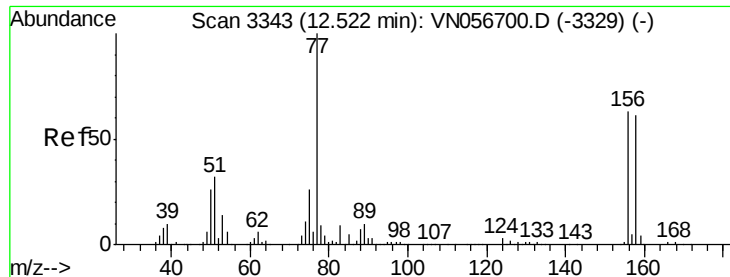
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056781.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN056781.D (-3259) (-)





#77

Bromobenzene

Concen: 47.108 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

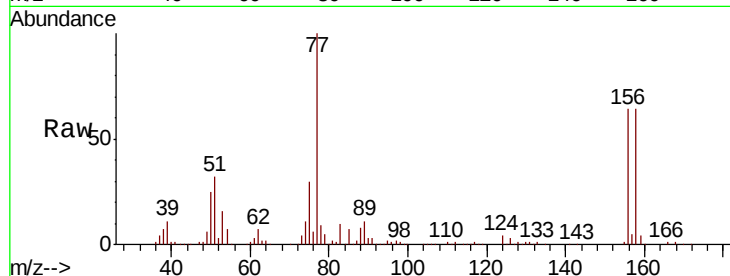
Tot Ion:156 Resp: 200739

Ion Ratio Lower Upper

156 100

77 191.1 97.2 291.6

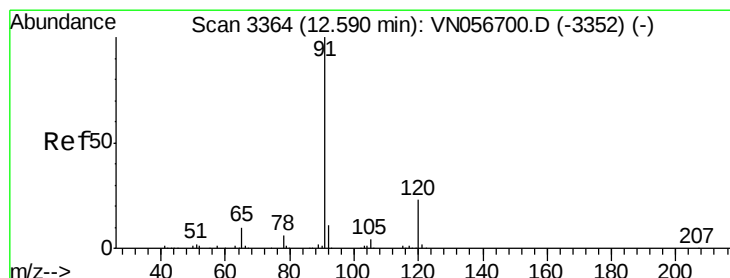
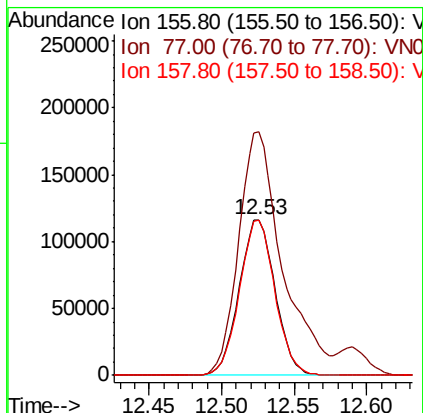
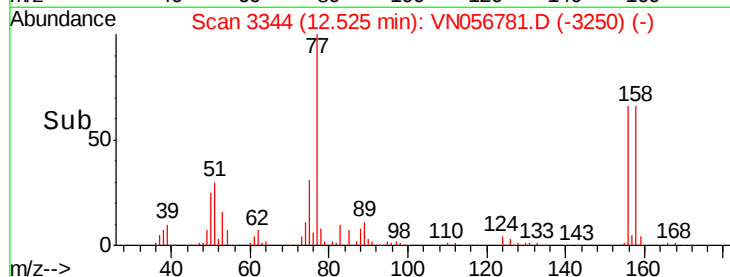
158 98.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.941 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056781.D

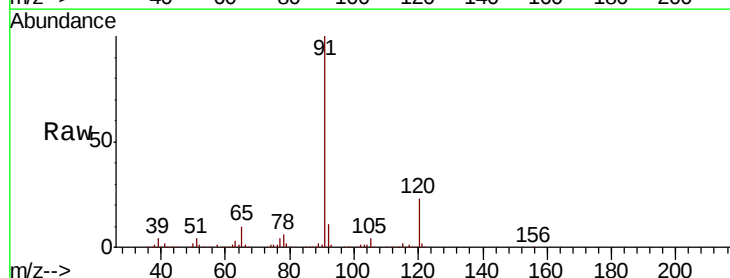
Acq: 16 Jul 2019 20:02

Tgt Ion: 91 Resp: 849014

Ion Ratio Lower Upper

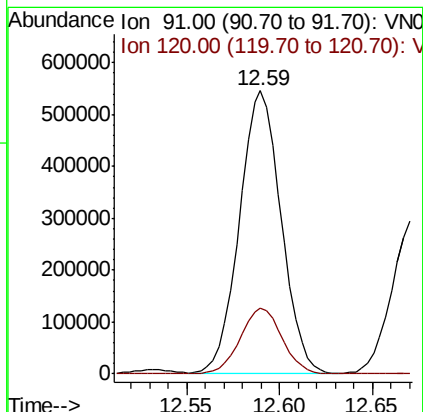
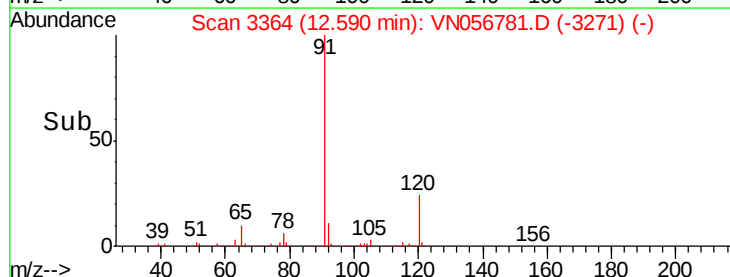
91 100

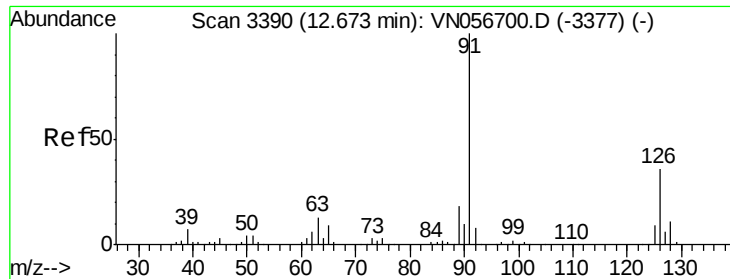
120 23.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

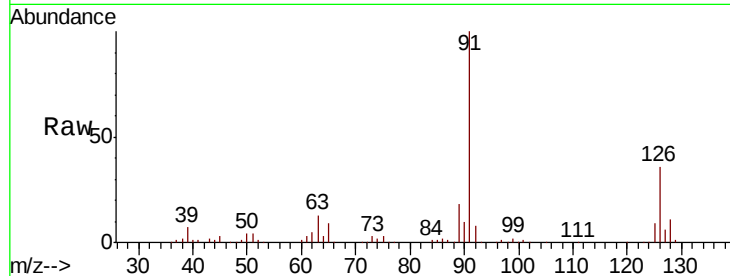




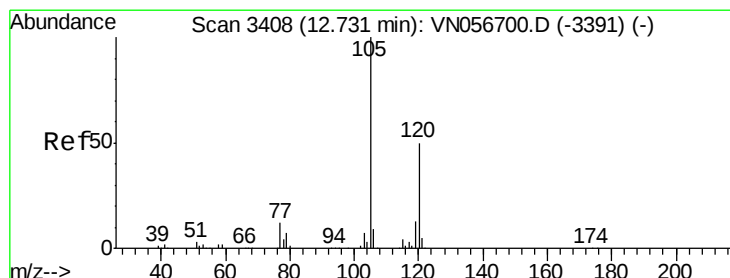
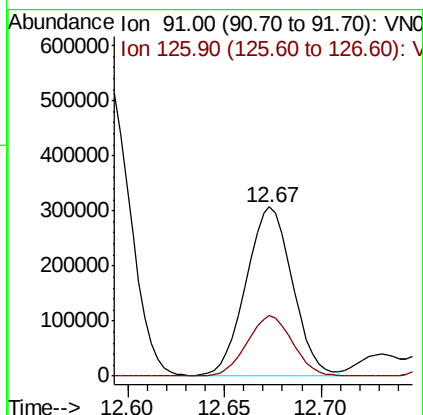
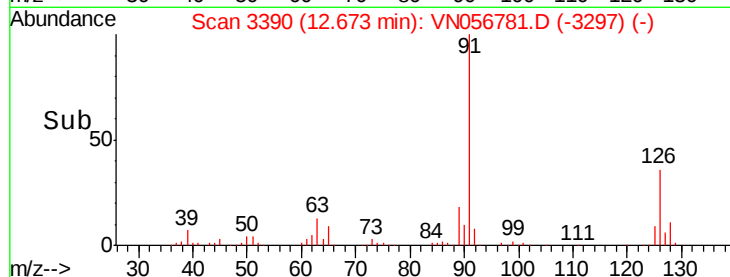
#79
 2-Chlorotoluene
 Concen: 51.164 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 510986
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.9 53.7

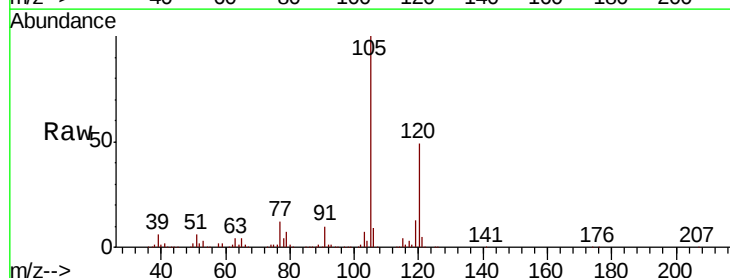


Abundance Ion 91.00 (90.70 to 91.70): VN056781.D (-3297) (-)
 Ion 125.90 (125.60 to 126.60): VN056781.D (-3297) (-)

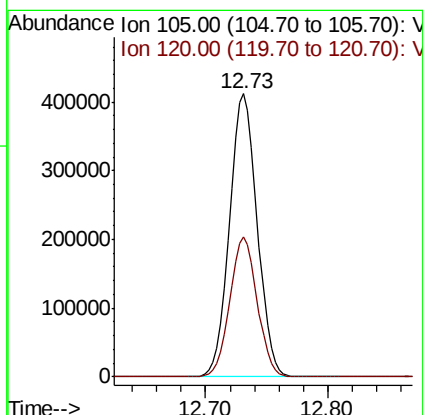
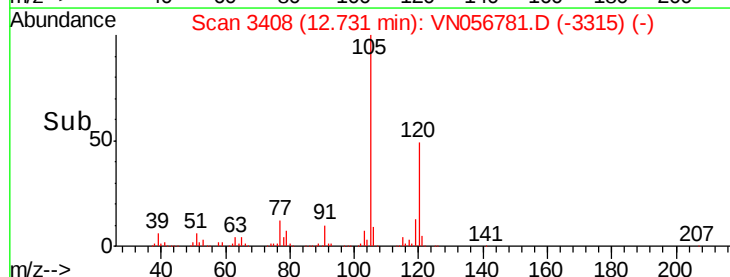


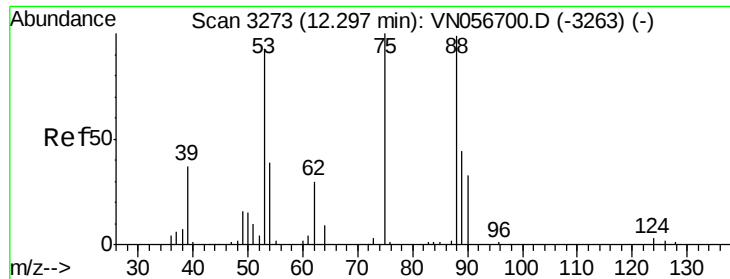
#80
 1,3,5-Trimethylbenzene
 Concen: 47.071 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion: 105 Resp: 649954
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056781.D (-3315) (-)
 Ion 120.00 (119.70 to 120.70): VN056781.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.544 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

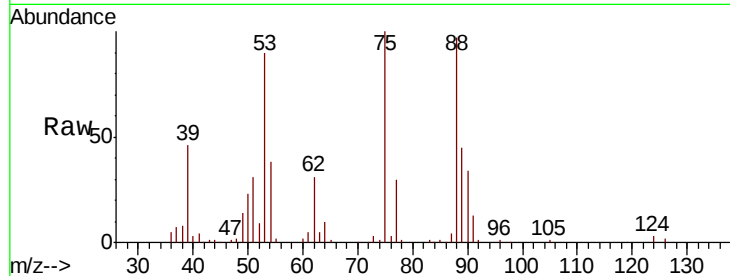
Tot Ion: 75 Resp: 70895

Ion Ratio Lower Upper

75 100

53 91.6 73.7 110.5

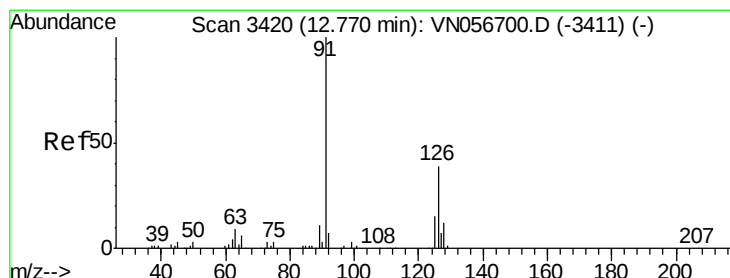
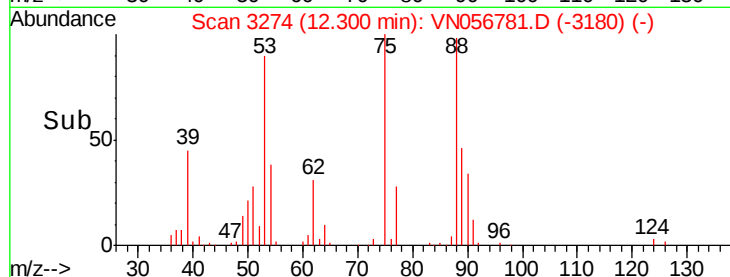
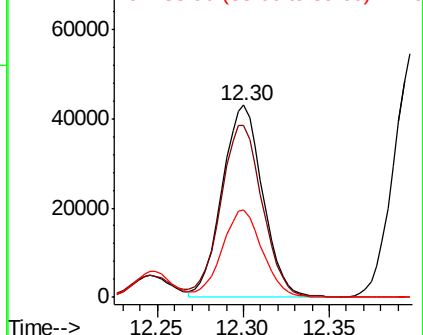
89 45.1 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.649 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056781.D

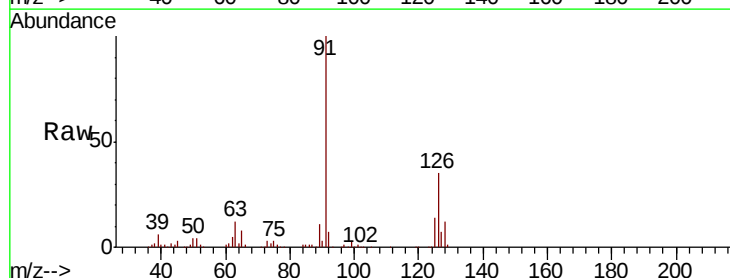
Acq: 16 Jul 2019 20:02

Tgt Ion: 91 Resp: 505758

Ion Ratio Lower Upper

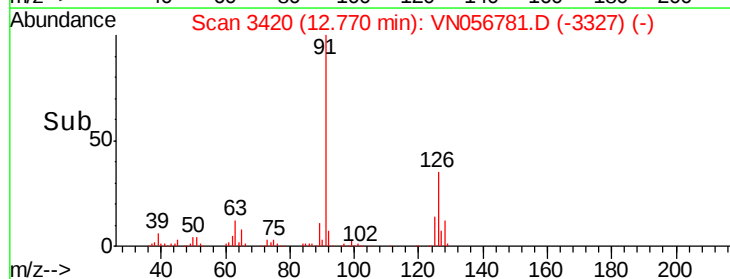
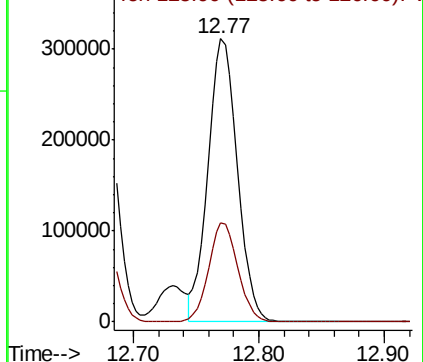
91 100

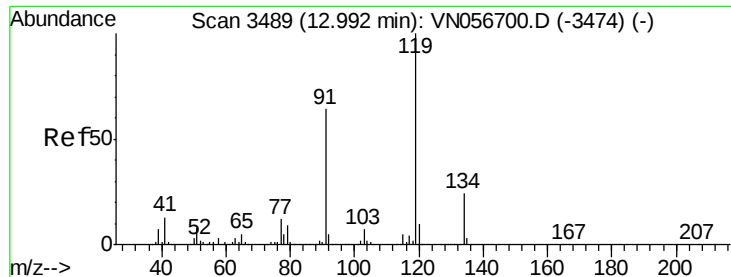
126 34.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

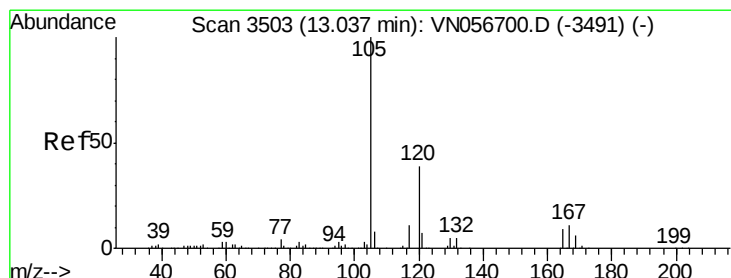
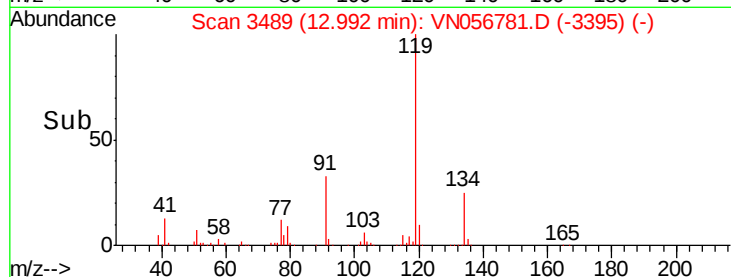
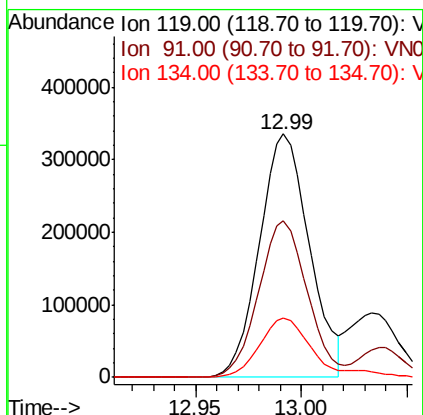
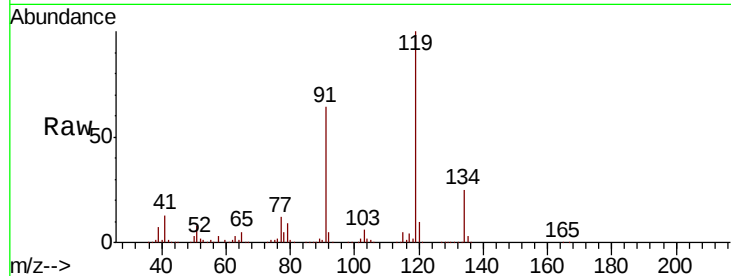




#83
 tert-Butylbenzene
 Concen: 51.471 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

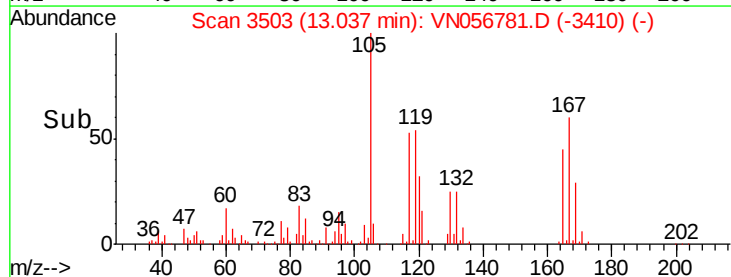
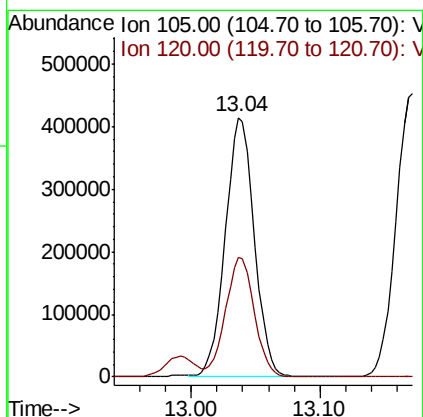
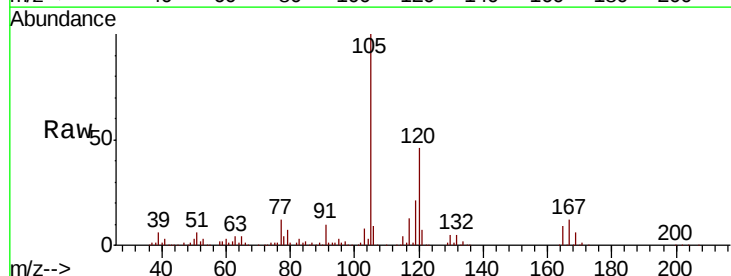
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

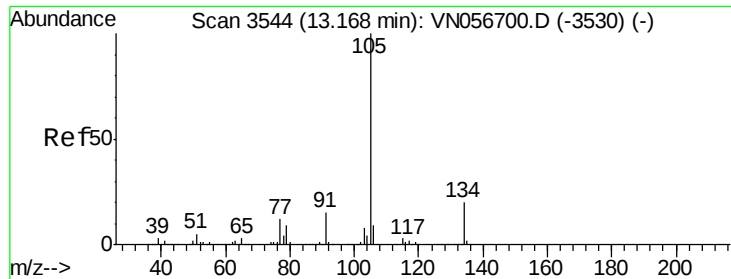
Tot Ion:119 Resp: 553562
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.8 95.4
 134 26.2 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 47.646 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion:105 Resp: 642717
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 47.406 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

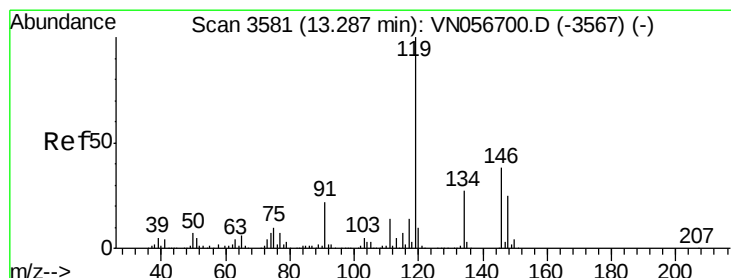
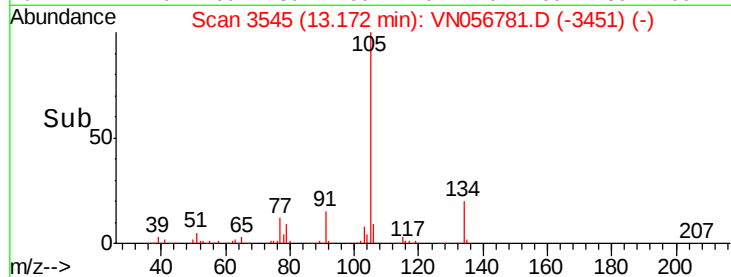
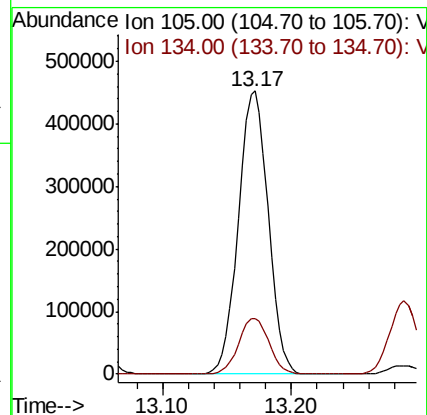
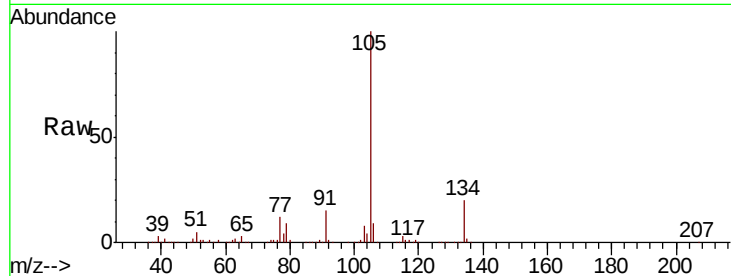
VSTDCCC050EC

Tot Ion:105 Resp: 727353

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



#86

p-Isopropyltoluene

Concen: 47.661 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

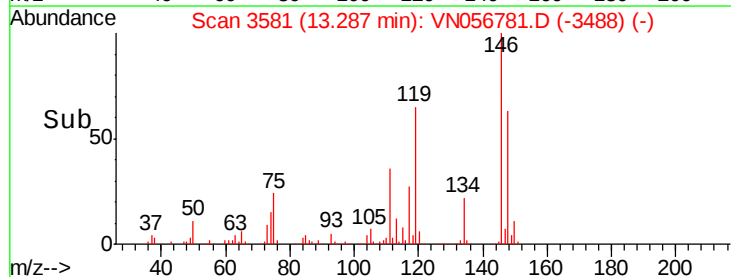
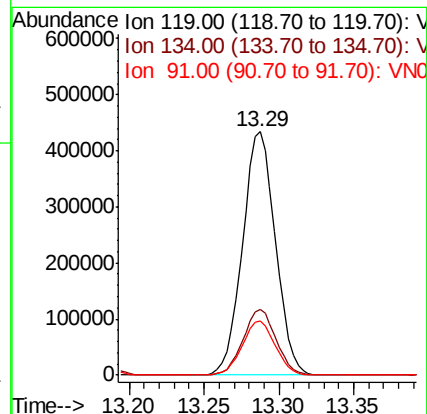
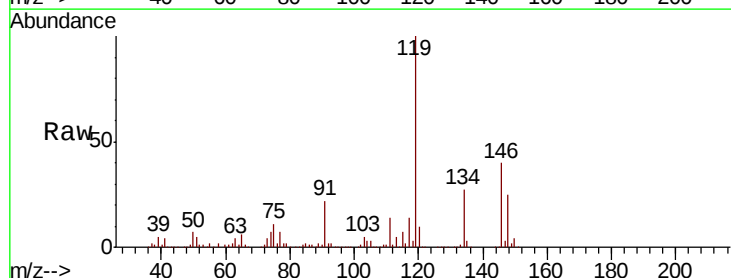
Tgt Ion:119 Resp: 662457

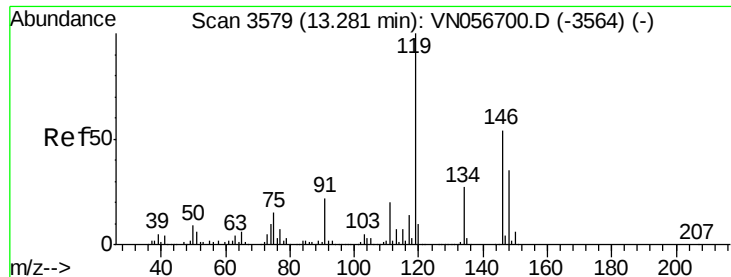
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 22.1 11.2 33.5

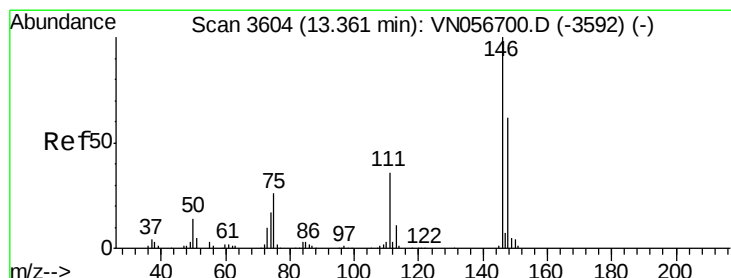
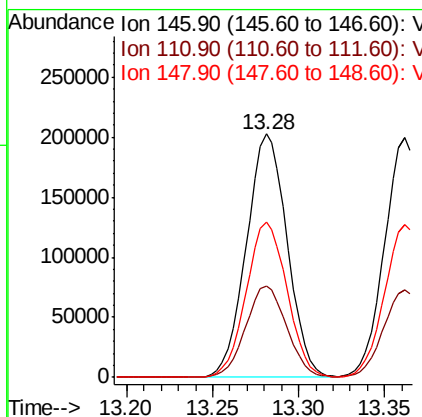
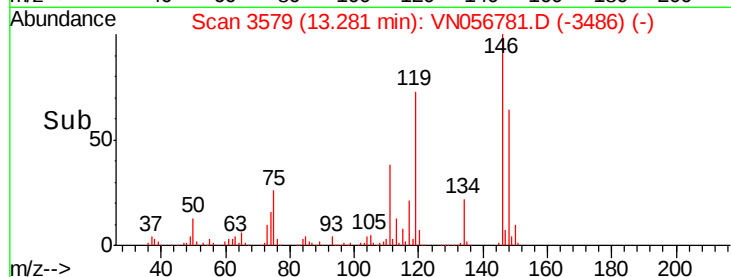
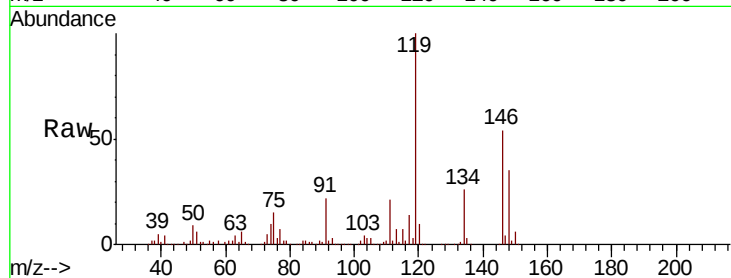




#87
 1,3-Dichlorobenzene
 Concen: 47.837 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

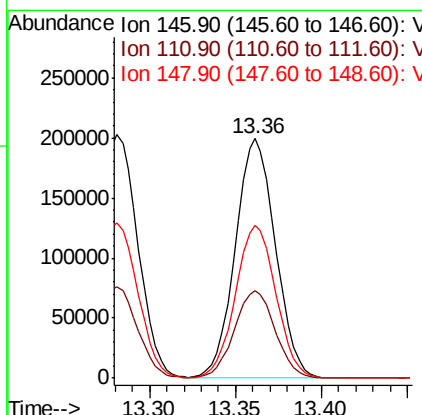
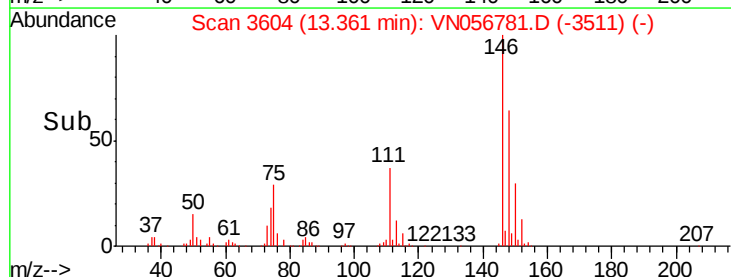
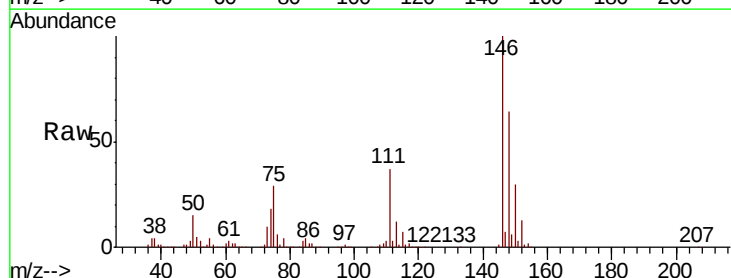
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

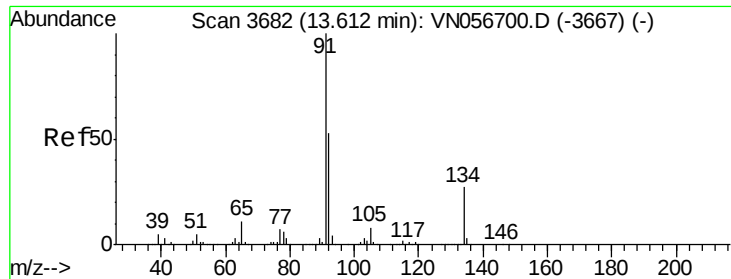
Tot Ion:146 Resp: 334073
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.3
 148 63.8 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 47.642 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion:146 Resp: 323632
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.6 31.9 95.7

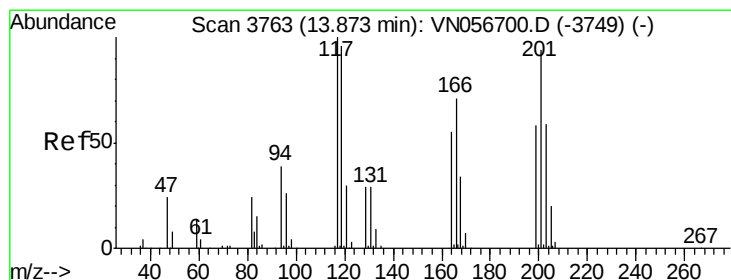
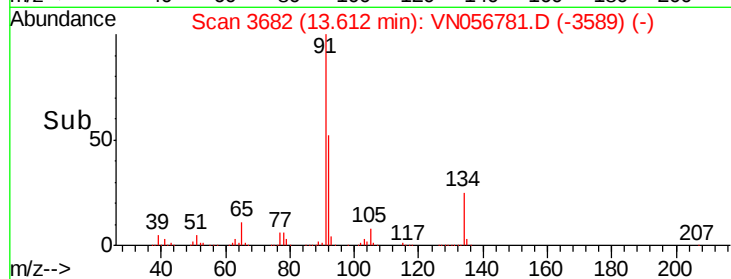
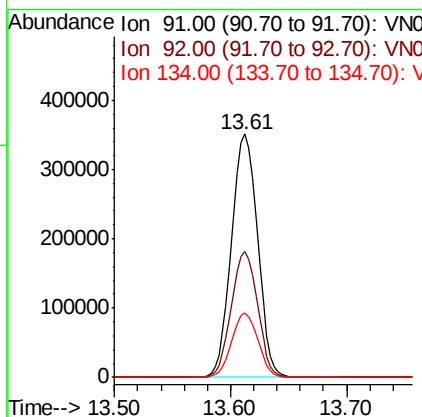
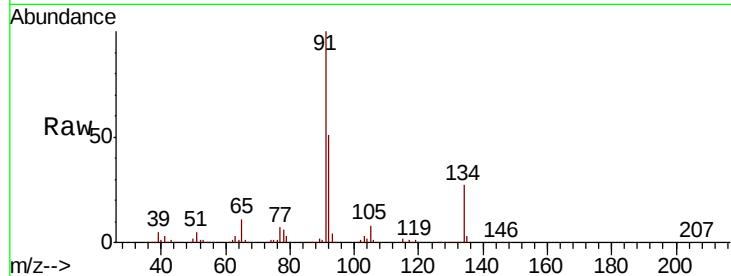




#89
n-Butylbenzene
Concen: 48.741 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

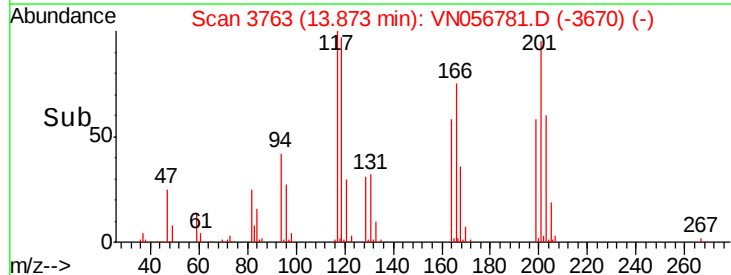
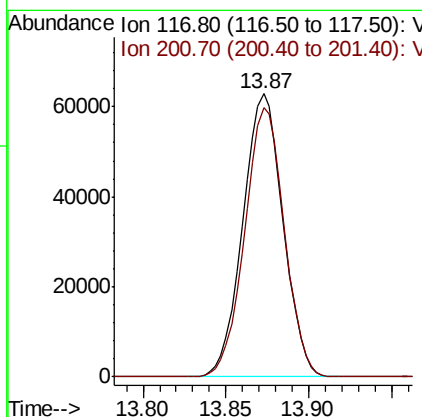
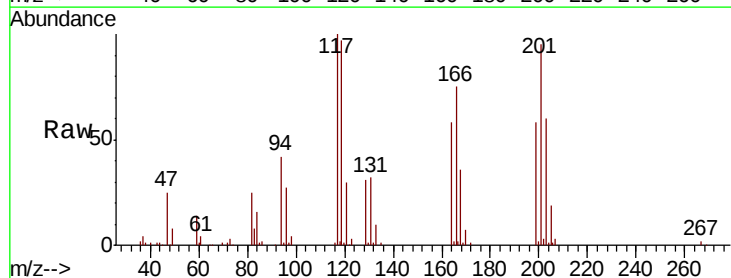
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

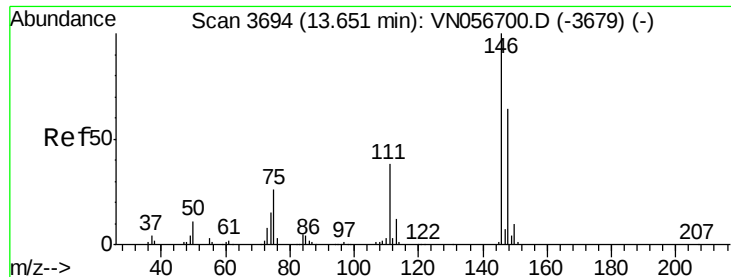
Tot Ion: 91 Resp: 545703
Ion Ratio Lower Upper
91 100
92 51.8 26.0 78.0
134 26.5 13.4 40.2



#90
Hexachloroethane
Concen: 47.102 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056781.D
Acq: 16 Jul 2019 20:02

Tgt Ion: 117 Resp: 105871
Ion Ratio Lower Upper
117 100
201 93.5 46.5 139.5





#91

1,2-Dichlorobenzene

Concen: 47.182 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

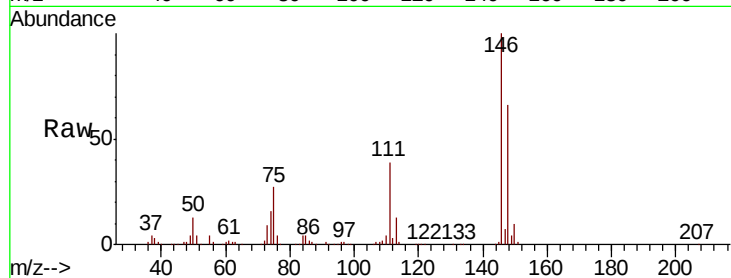
Tot Ion:146 Resp: 336991

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.1

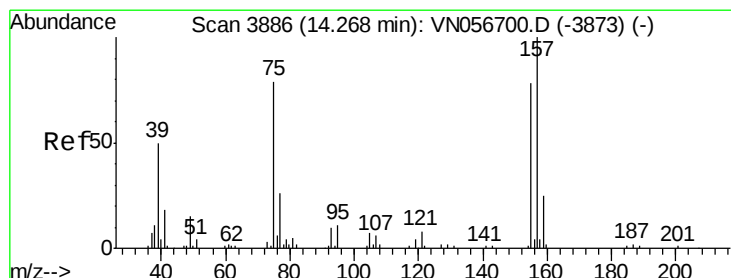
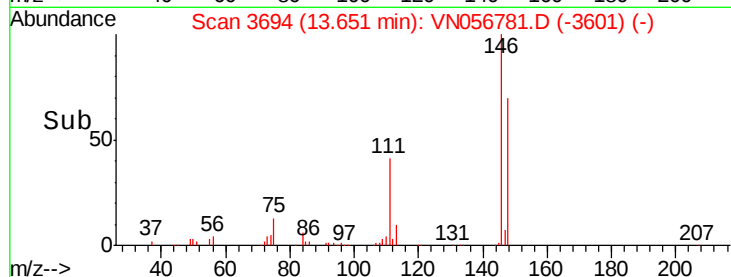
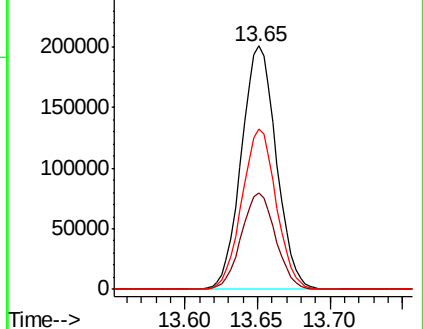
148 64.8 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.350 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

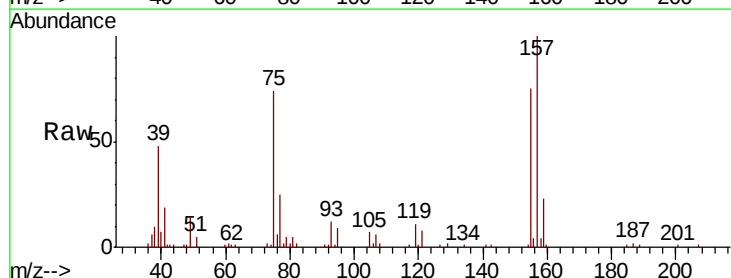
Tgt Ion: 75 Resp: 42239

Ion Ratio Lower Upper

75 100

155 99.9 49.3 147.9

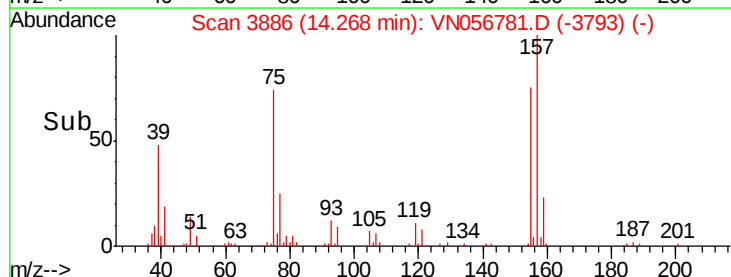
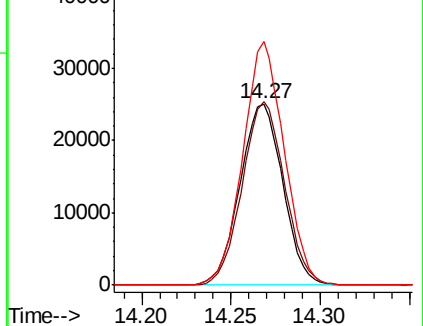
157 129.8 62.4 187.1

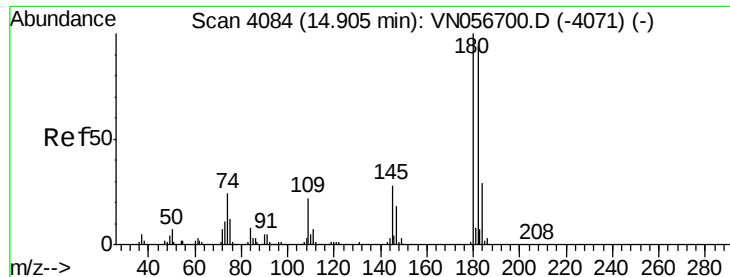


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

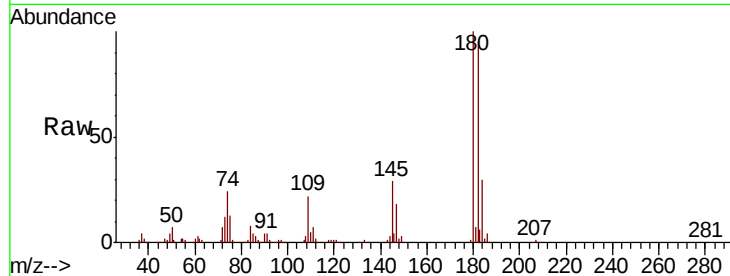




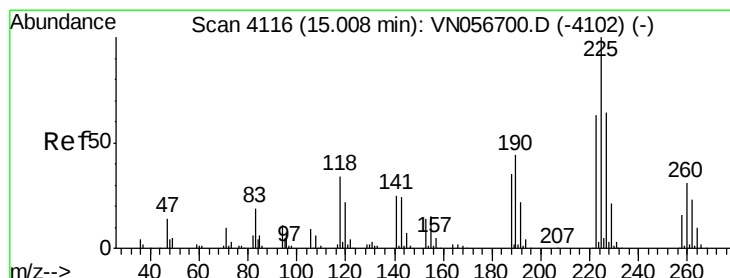
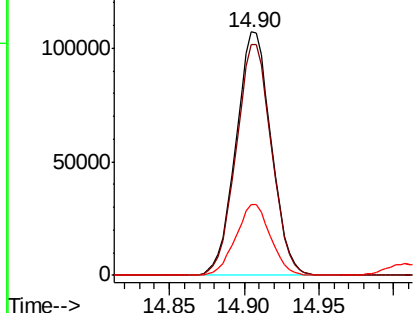
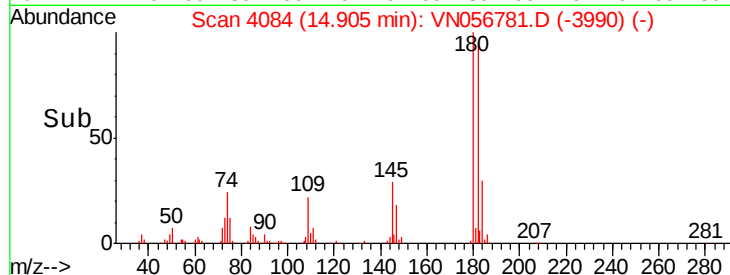
#93
 1,2,4-Trichlorobenzene
 Concen: 44.994 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 175965
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.2 141.6
 145 28.7 14.2 42.8

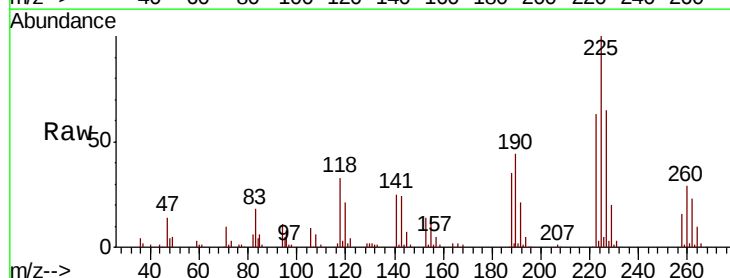


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

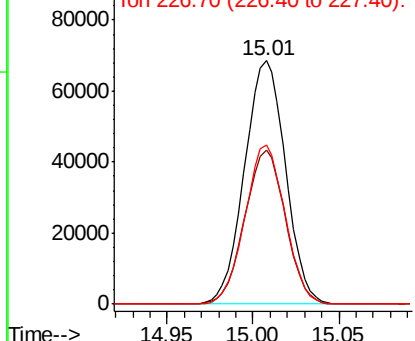
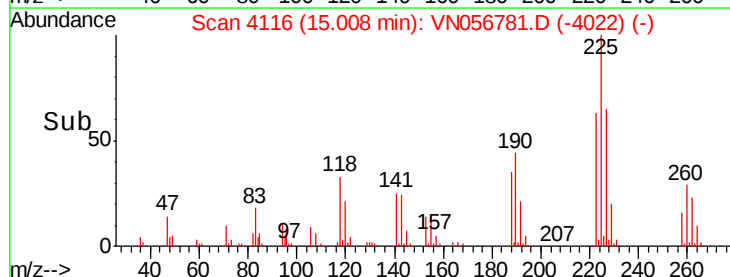


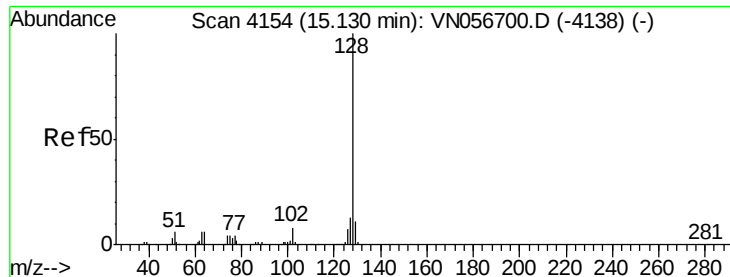
#94
 Hexachlorobutadiene
 Concen: 50.613 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056781.D
 Acq: 16 Jul 2019 20:02

Tgt Ion:225 Resp: 113539
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.5 94.5
 227 63.9 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 43.247 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

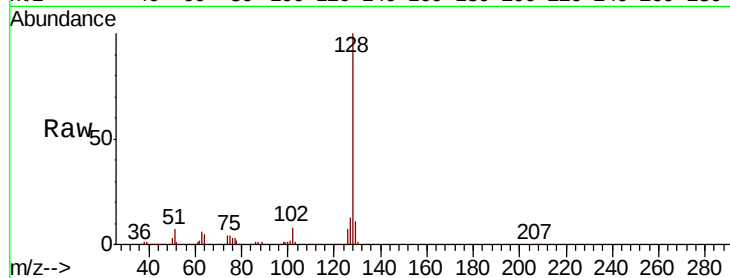
Tot Ion:128 Resp: 460902

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

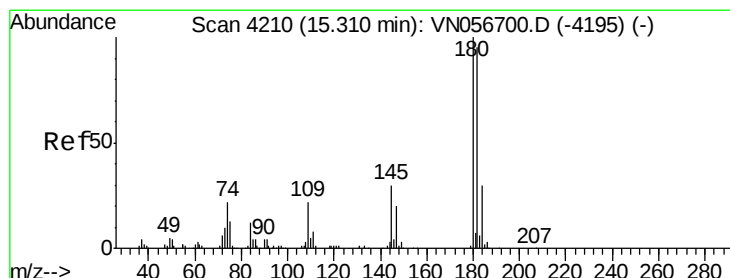
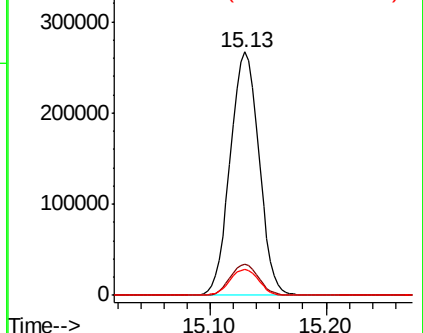
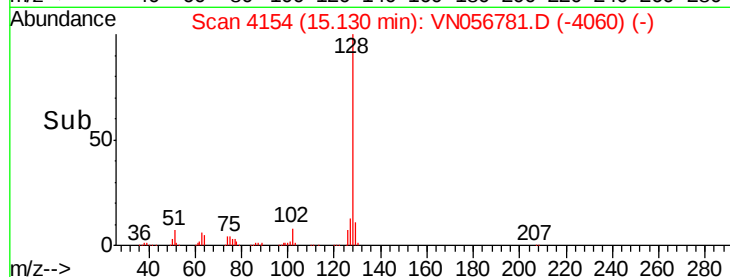
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.264 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056781.D

Acq: 16 Jul 2019 20:02

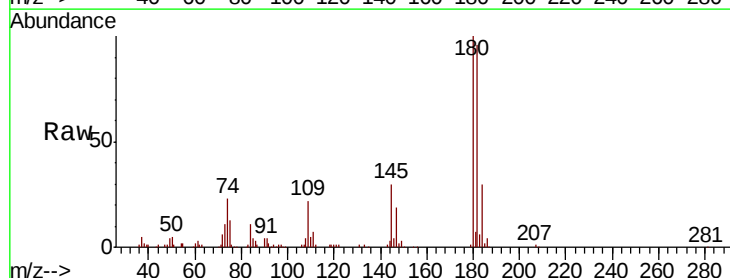
Tgt Ion:180 Resp: 176010

Ion Ratio Lower Upper

180 100

182 95.4 47.1 141.3

145 30.1 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

