

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056954.D
 Acq On : 26 Jul 2019 20:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 27 00:56:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:47:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	577608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	869260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	777066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	329183	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	317580	53.71	ug/l	0.00
Spiked Amount			Recovery	=	107.42%	
35) Dibromofluoromethane	7.58	113	290205	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	10.08	98	1095098	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.39	95	361579	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	310179	53.119	ug/l	100
3) Chloromethane	2.05	50	365069	52.210	ug/l	100
4) Vinyl Chloride	2.18	62	338500	51.629	ug/l	100
5) Bromomethane	2.54	94	196410	48.187	ug/l	98
6) Chloroethane	2.69	64	183745	50.839	ug/l	99
7) Trichlorofluoromethane	3.00	101	432021	50.337	ug/l	98
8) Diethyl Ether	3.40	74	170066	52.947	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	259524	48.773	ug/l	99
10) Methyl Iodide	3.94	142	350502	49.296	ug/l	99
11) Tert butyl alcohol	4.77	59	208625	261.043	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	261859	51.576	ug/l	99
13) Acrolein	3.59	56	94697	230.793	ug/l	99
14) Allyl chloride	4.31	41	424517	51.402	ug/l	99
15) Acrylonitrile	4.97	53	632257	269.770	ug/l	99
16) Acetone	3.80	43	467882	218.430	ug/l	99
17) Carbon Disulfide	4.04	76	674298	49.981	ug/l	99
18) Methyl Acetate	4.31	43	341384	49.959	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	803347	53.066	ug/l	98
20) Methylene Chloride	4.53	84	303753	49.229	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	278520	51.653	ug/l	99
22) Diisopropyl ether	5.93	45	894203	52.550	ug/l	99
23) Vinyl Acetate	5.88	43	3193718	270.886	ug/l	100
24) 1,1-Dichloroethane	5.83	63	516884	51.484	ug/l	99
25) 2-Butanone	6.82	43	768379	252.974	ug/l	100
26) 2,2-Dichloropropane	6.81	77	350253	45.881	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	326480	51.192	ug/l	99
28) Bromochloromethane	7.18	49	244021	51.709	ug/l	99
29) Tetrahydrofuran	7.20	42	529884	267.385	ug/l	100
30) Chloroform	7.36	83	507727	49.462	ug/l	99
31) Cyclohexane	7.64	56	469365	48.312	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	425678	51.973	ug/l	100
36) 1,1-Dichloropropene	7.78	75	381475	49.873	ug/l	100
37) Ethyl Acetate	6.91	43	323248	52.766	ug/l	99
38) Carbon Tetrachloride	7.76	117	373091	51.567	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	475503	48.640	ug/l	99
40) Benzene	8.03	78	1186606	50.368	ug/l	99
41) Methacrylonitrile	7.16	41	157593	55.647	ug/l	91
42) 1,2-Dichloroethane	8.11	62	367341	49.751	ug/l	100
43) Isopropyl Acetate	8.15	43	526376	51.986	ug/l	98
44) Trichloroethene	8.82	130	322925	49.754	ug/l	98
45) 1,2-Dichloropropane	9.11	63	317552	50.394	ug/l	100
46) Dibromomethane	9.20	93	199455	52.485	ug/l	99
47) Bromodichloromethane	9.39	83	389521	52.133	ug/l	100
48) Methyl methacrylate	9.19	41	257435	52.662	ug/l	99
49) 1,4-Dioxane	9.19	88	106718	1059.325	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1587302	263.842	ug/l	100
52) Toluene	10.15	92	726406	51.320	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	401444	51.776	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	473819	52.559	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	288134	50.760	ug/l	99
56) Ethyl methacrylate	10.42	69	417294	48.726	ug/l	99
57) 1,3-Dichloropropane	10.70	76	482517	51.262	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	842918	247.803	ug/l	100
59) 2-Hexanone	10.74	43	1100943	237.755	ug/l	100
60) Dibromochloromethane	10.89	129	312933	53.810	ug/l	99
61) 1,2-Dibromoethane	11.00	107	292741	52.846	ug/l	99
64) Tetrachloroethene	10.62	164	325942	48.675	ug/l	99
65) Chlorobenzene	11.43	112	780691	49.293	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	298045	49.999	ug/l	99
67) Ethyl Benzene	11.50	91	1372141	50.129	ug/l	100
68) m/p-Xylenes	11.61	106	1018985	100.870	ug/l	100
69) o-Xylene	11.94	106	496119	50.198	ug/l	99
70) Styrene	11.96	104	834878	47.875	ug/l	100
71) Bromoform	12.12	173	222652	53.499	ug/l	99
73) Isopropylbenzene	12.24	105	1329167	46.720	ug/l	100
74) N-amyl acetate	12.06	43	418548	50.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	378698	52.807	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	453653	67.860	ug/l #	100
77) Bromobenzene	12.52	156	350441	47.197	ug/l	100
78) n-propylbenzene	12.59	91	1445982	47.602	ug/l	99
79) 2-Chlorotoluene	12.67	91	867976	46.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1106178	47.375	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	103543	49.764	ug/l	99
82) 4-Chlorotoluene	12.77	91	836818	47.807	ug/l	99
83) tert-Butylbenzene	12.99	119	969315	46.895	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	1090229	48.526	ug/l	100
85) sec-Butylbenzene	13.17	105	1252067	46.961	ug/l	100
86) p-Isopropyltoluene	13.28	119	1124161	47.491	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	554042	49.054	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	527441	48.510	ug/l	100
89) n-Butylbenzene	13.61	91	900771	49.376	ug/l	99
90) Hexachloroethane	13.87	117	195387	47.937	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	554692	49.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	57532	50.844	ug/l	98

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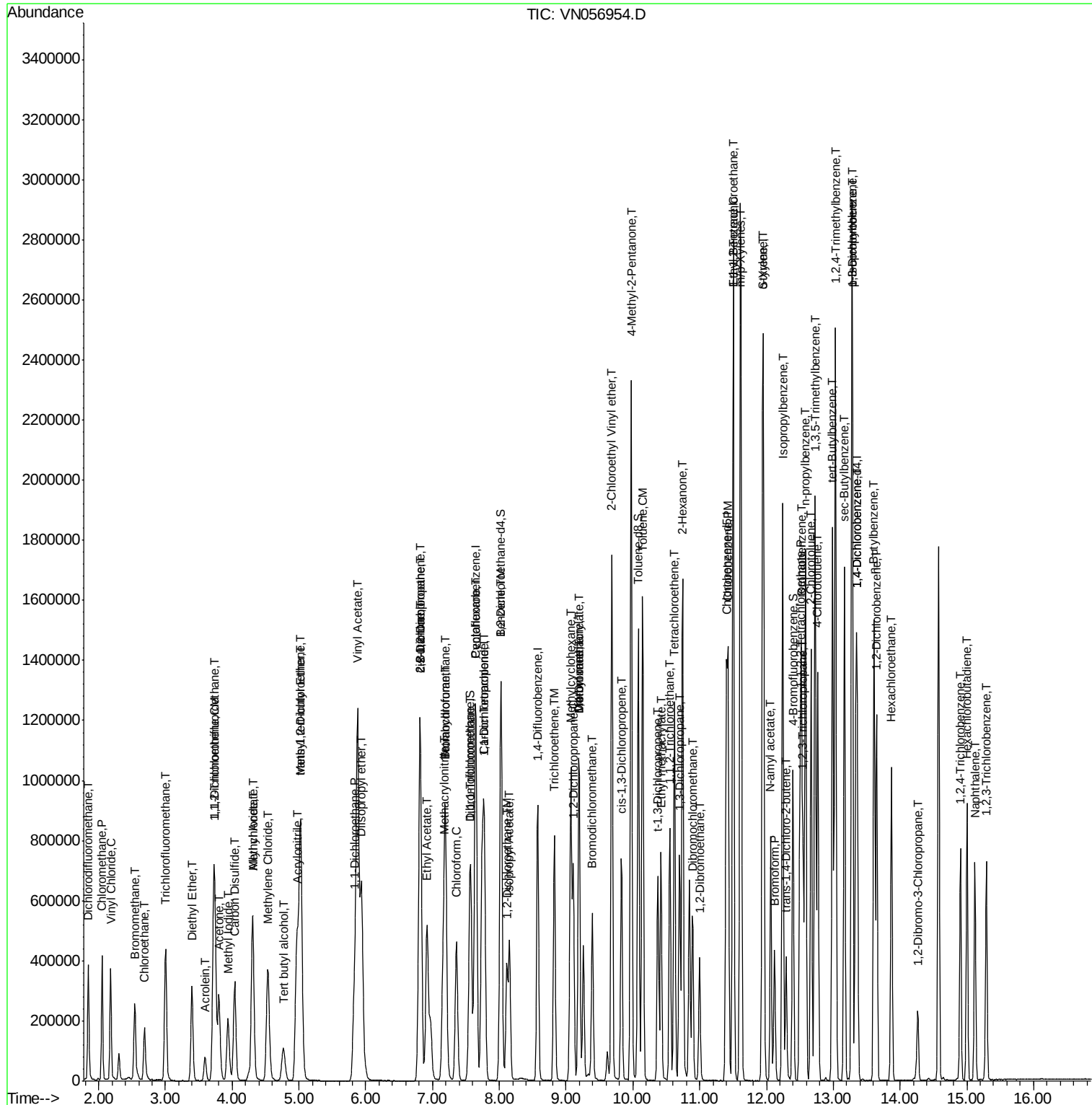
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	268172	46.940	ug/l	99
94) Hexachlorobutadiene	15.00	225	198144	51.103	ug/l	98
95) Naphthalene	15.12	128	625269	45.085	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	265389	45.970	ug/l	99

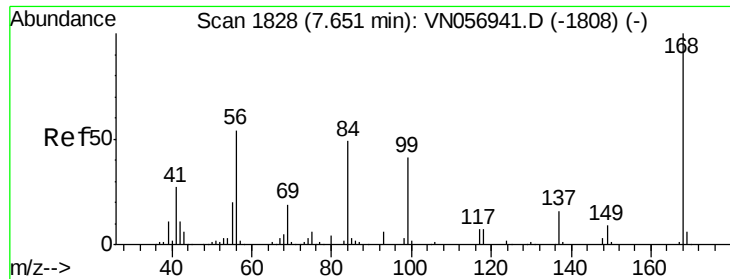
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

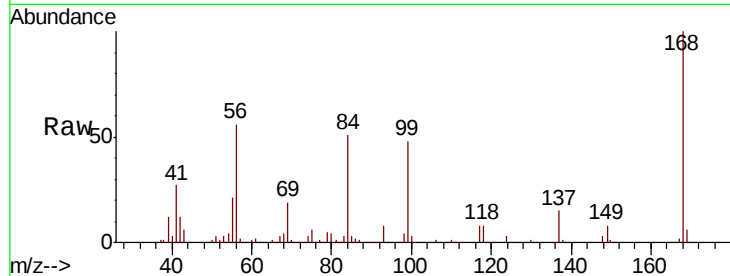
VSTDCCC050EC

Tot Ion:168 Resp: 577608

Ion Ratio Lower Upper

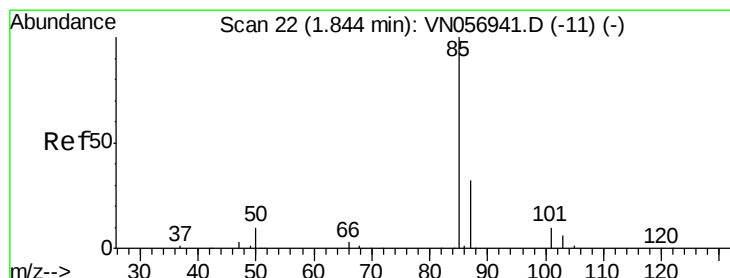
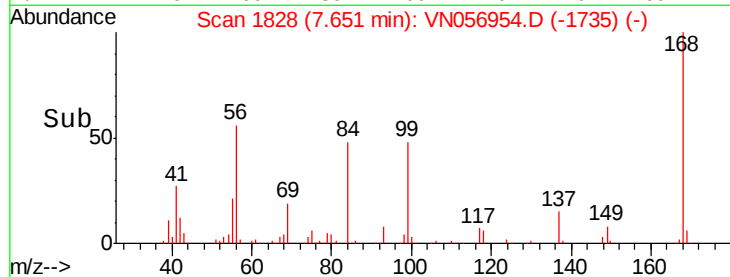
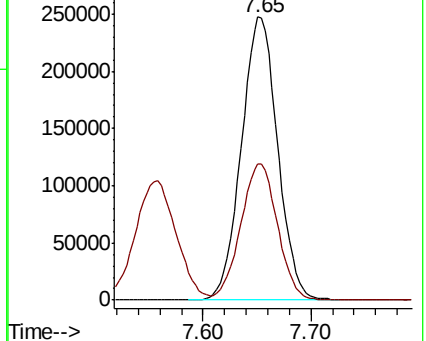
168 100

99 48.0 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 53.119 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN056954.D

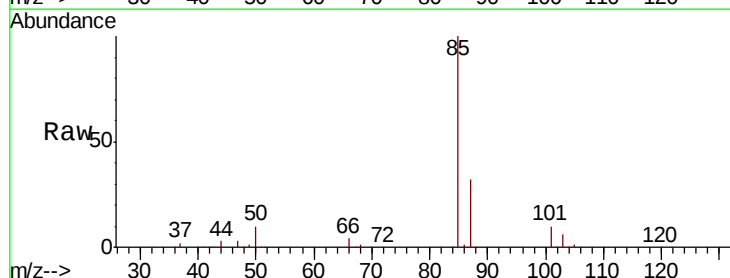
Acq: 26 Jul 2019 20:32

Tgt Ion: 85 Resp: 310179

Ion Ratio Lower Upper

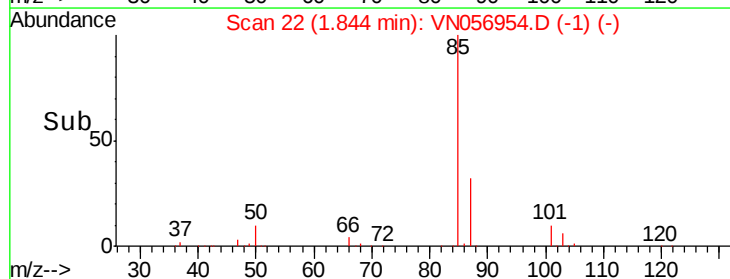
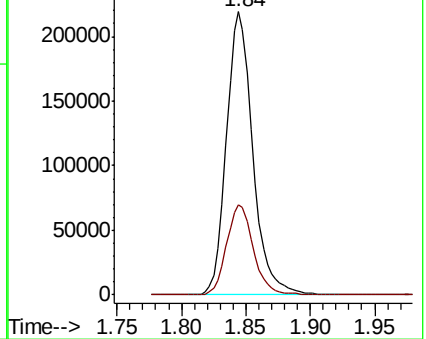
85 100

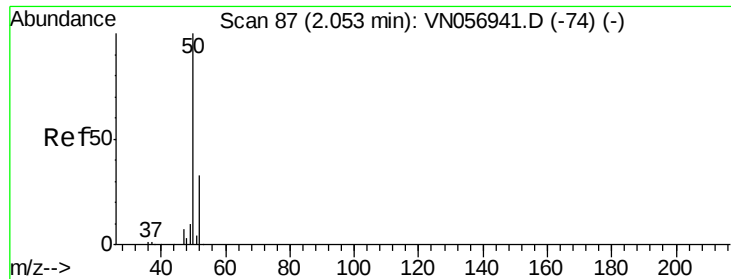
87 31.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 52.210 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

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ClientSampleId :

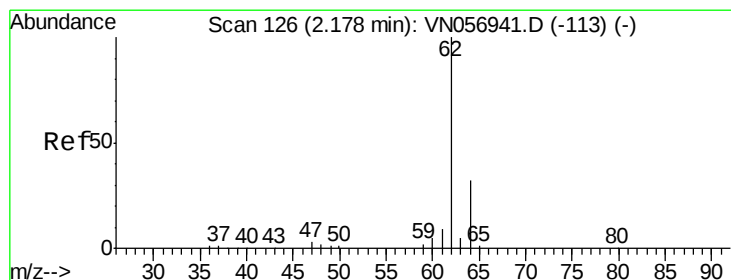
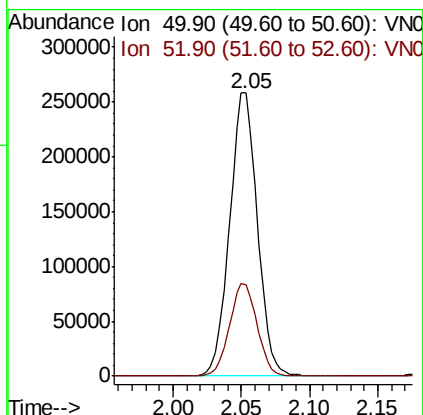
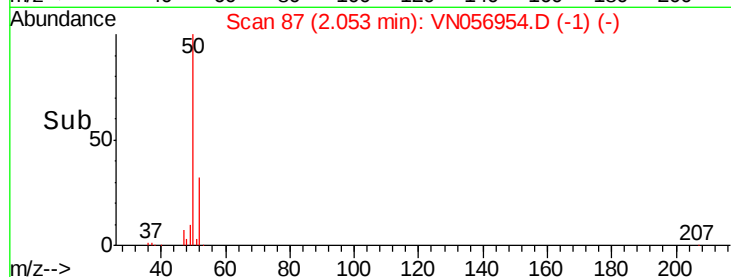
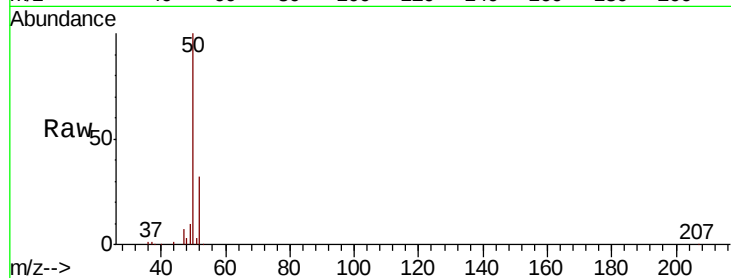
VSTDCCC050EC

Tot Ion: 50 Resp: 365069

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.2



#4

Vinyl Chloride

Concen: 51.629 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN056954.D

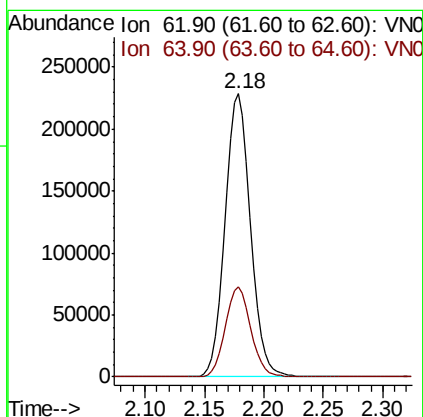
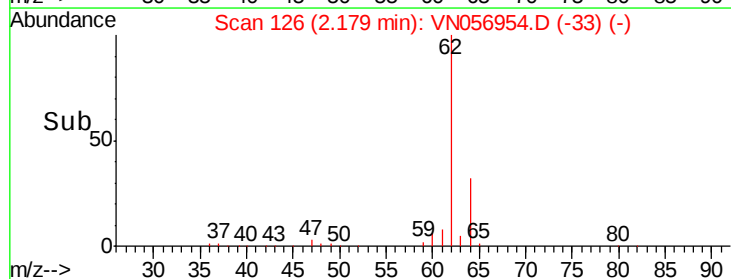
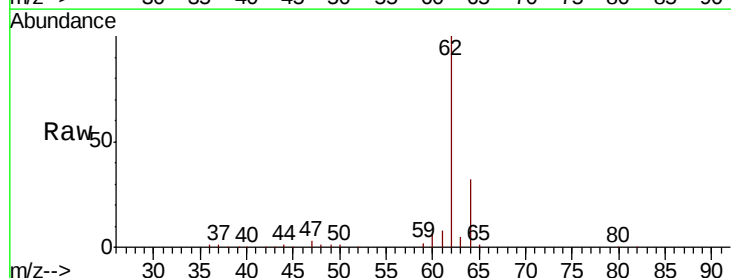
Acq: 26 Jul 2019 20:32

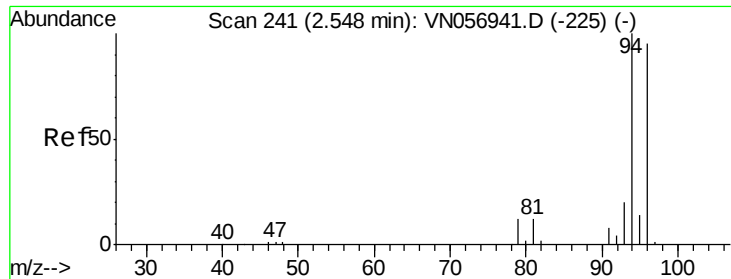
Tgt Ion: 62 Resp: 338500

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0

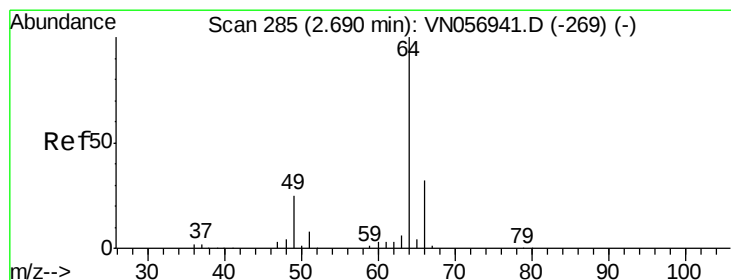
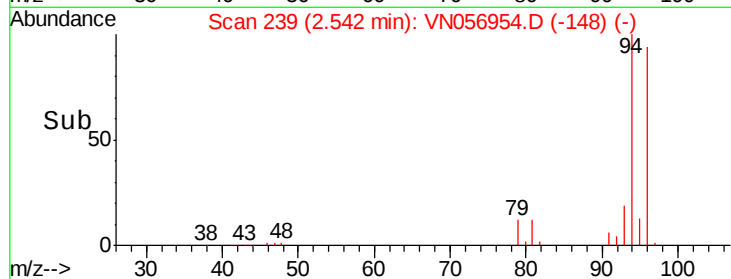
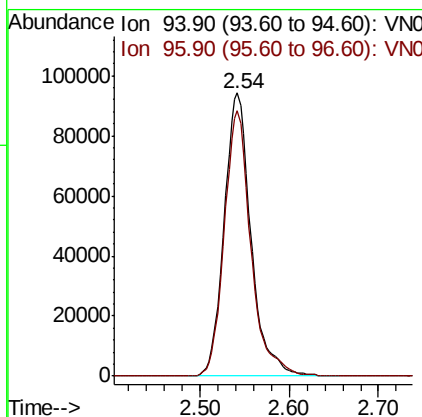
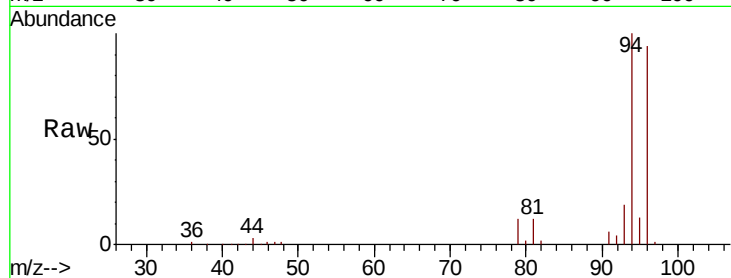




#5
Bromomethane
Concen: 48.187 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

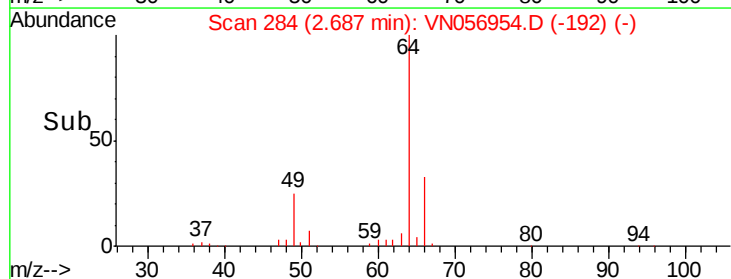
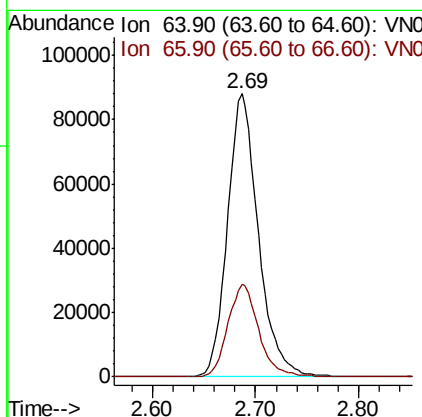
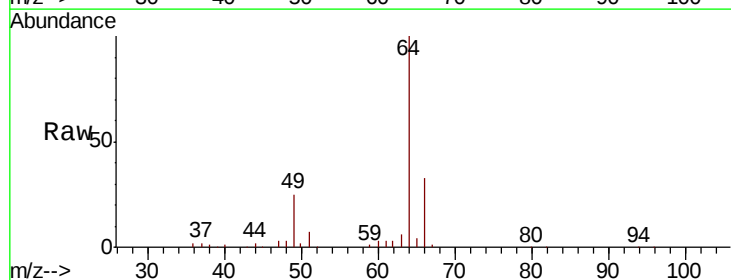
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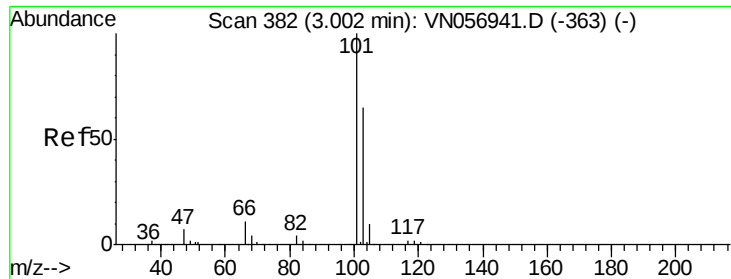
Tot Ion: 94 Resp: 196410
Ion Ratio Lower Upper
94 100
96 93.6 76.2 114.2



#6
Chloroethane
Concen: 50.839 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 64 Resp: 183745
Ion Ratio Lower Upper
64 100
66 32.6 25.8 38.8



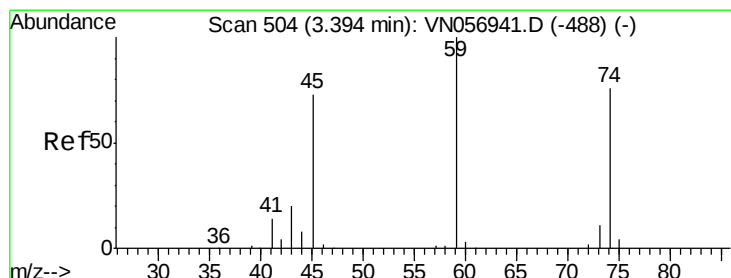
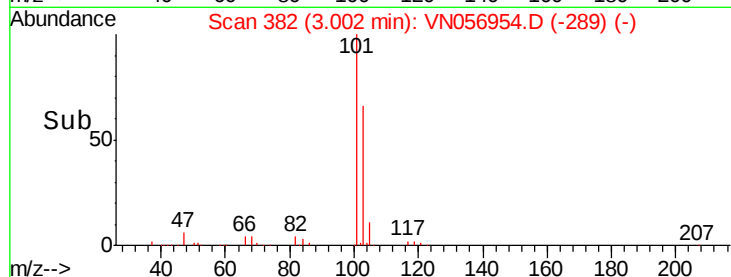
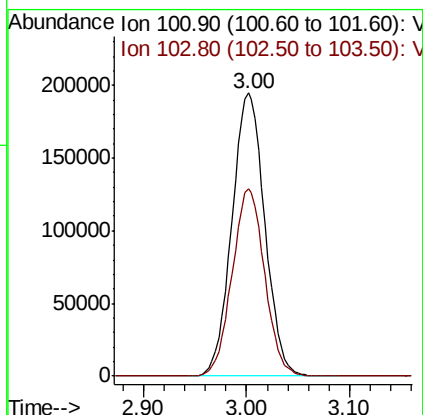
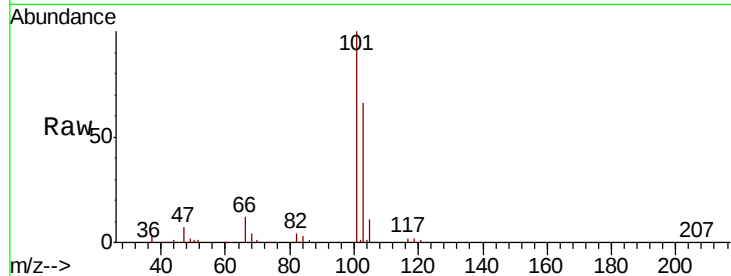


#7

Trichlorofluoromethane
Concen: 50.337 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Instrument :
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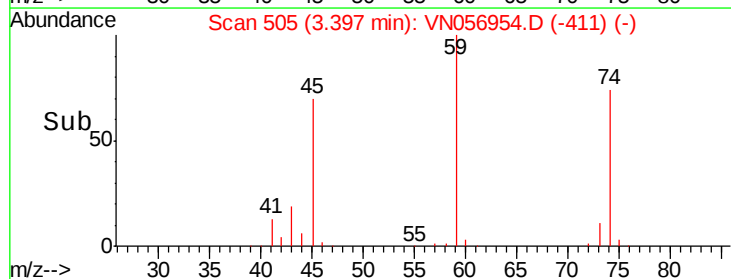
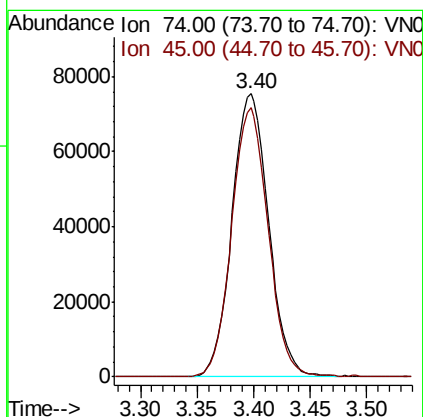
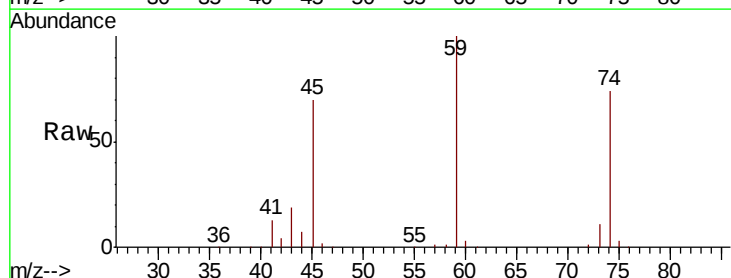
Tot Ion:101 Resp: 432021
Ion Ratio Lower Upper
101 100
103 66.4 52.1 78.1

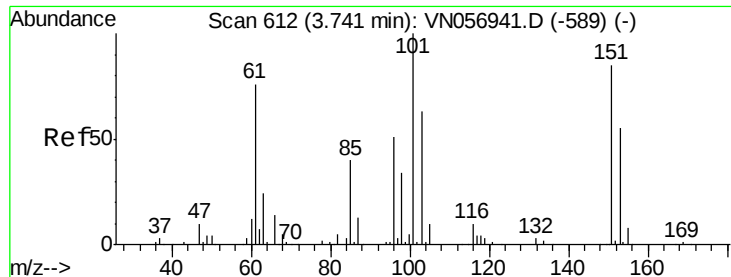


#8

Diethyl Ether
Concen: 52.947 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 74 Resp: 170066
Ion Ratio Lower Upper
74 100
45 94.5 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.773 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

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VSTDCCC050EC

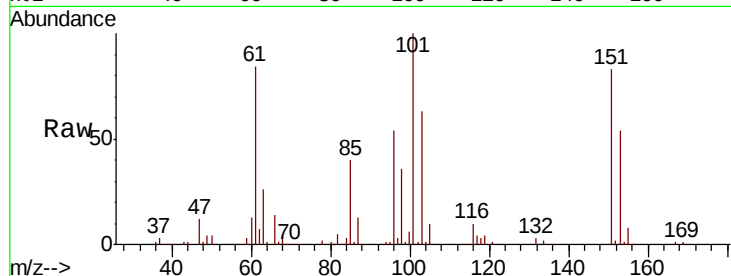
Tot Ion:101 Resp: 259524

Ion Ratio Lower Upper

101 100

85 41.0 32.3 48.5

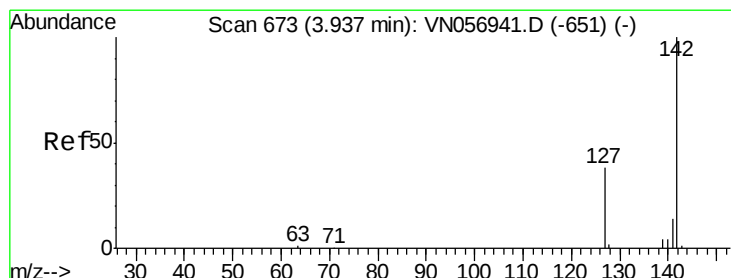
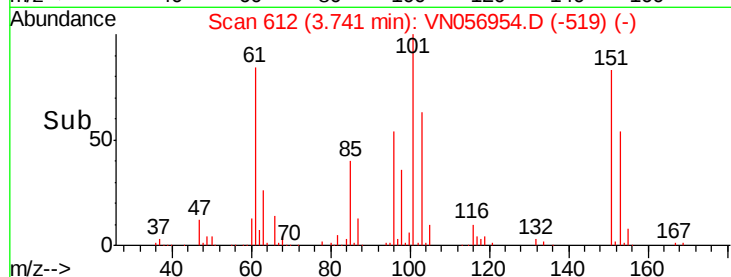
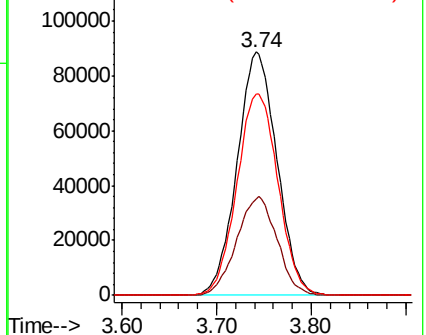
151 85.4 68.0 102.0



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: 49.296 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

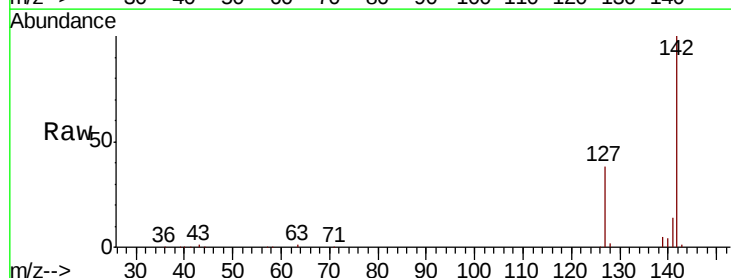
Tgt Ion:142 Resp: 350502

Ion Ratio Lower Upper

142 100

127 38.8 30.4 45.6

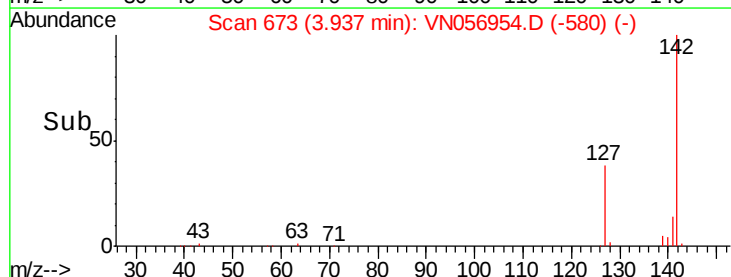
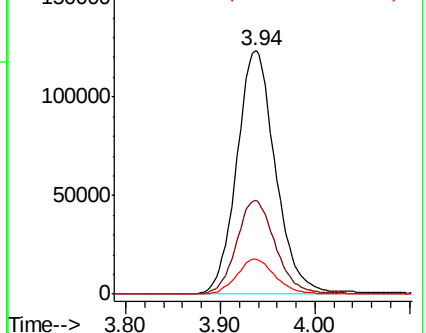
141 14.3 11.1 16.7

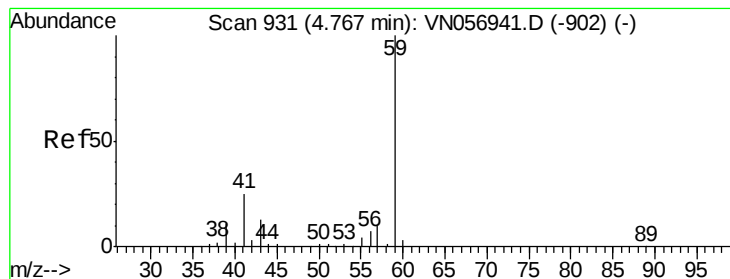


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



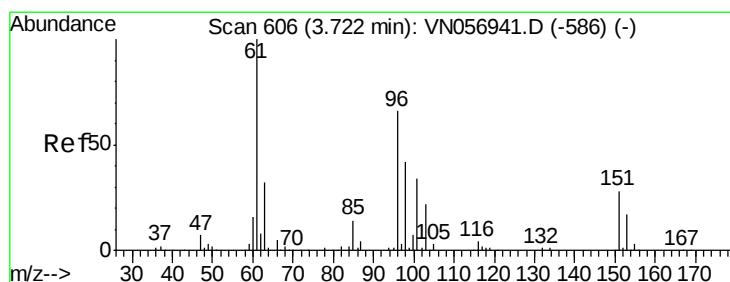
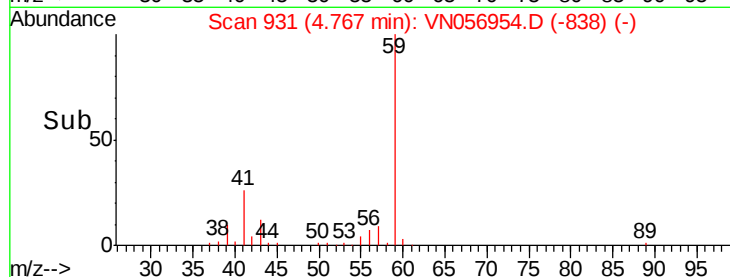
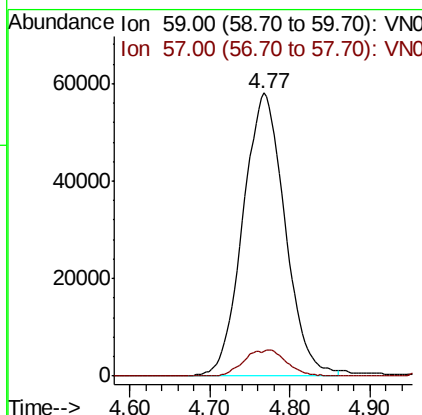
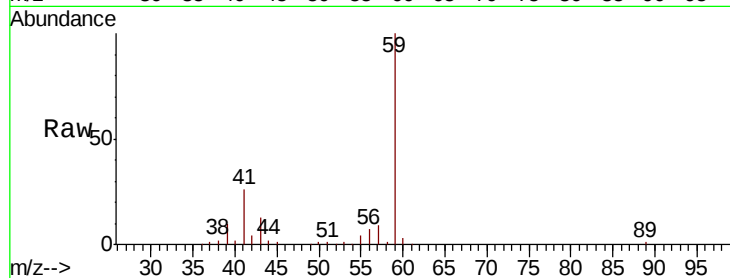


#11

Tert butyl alcohol
 Concen: 261.043 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

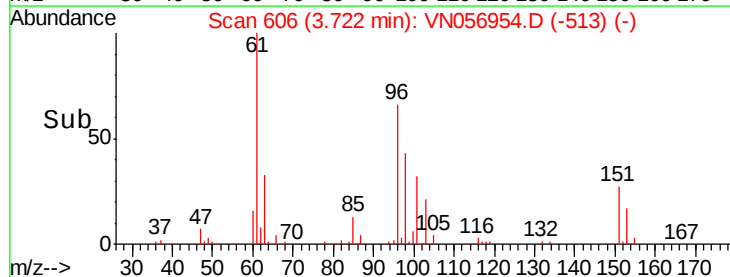
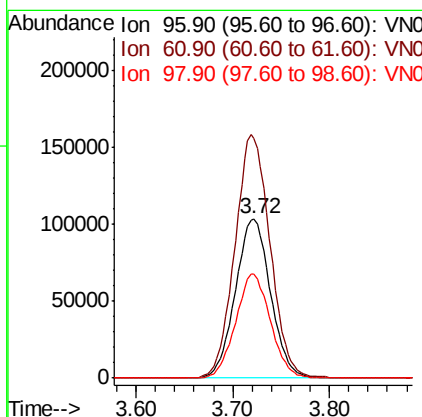
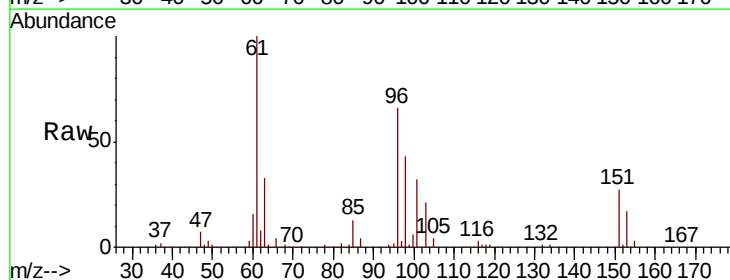
Tot Ion: 59 Resp: 208625
 Ion Ratio Lower Upper
 59 100
 57 4.1 7.5 11.3#

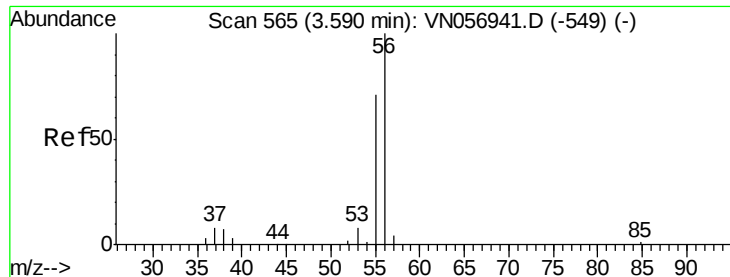


#12

1,1-Dichloroethene
 Concen: 51.576 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 96 Resp: 261859
 Ion Ratio Lower Upper
 96 100
 61 150.8 121.8 182.8
 98 65.2 51.7 77.5





#13

Acrolein

Concen: 230.793 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

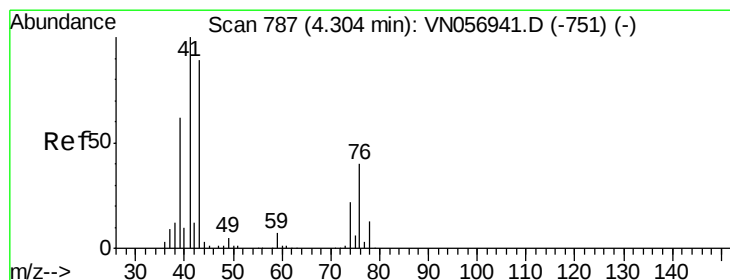
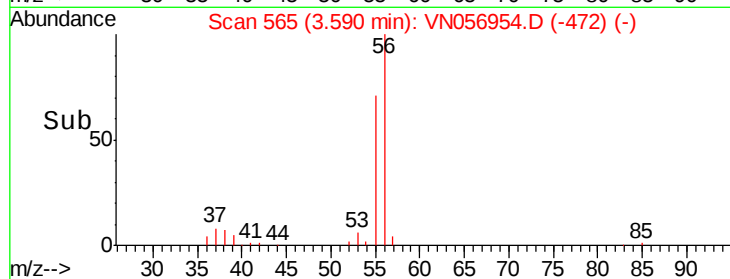
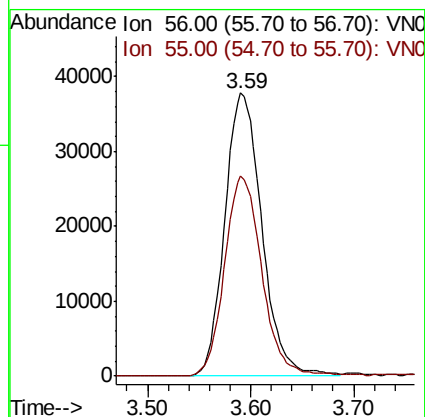
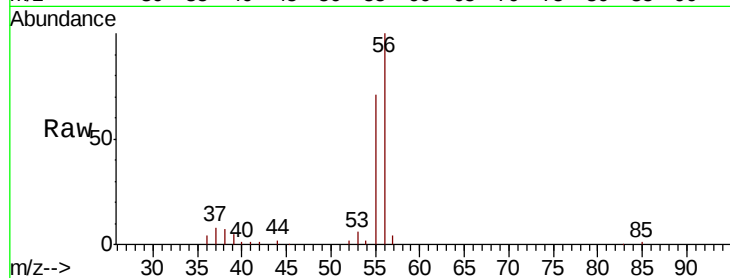
VSTDCCC050EC

Tot Ion: 56 Resp: 94697

Ion Ratio Lower Upper

56 100

55 70.6 55.8 83.6



#14

Allyl chloride

Concen: 51.402 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

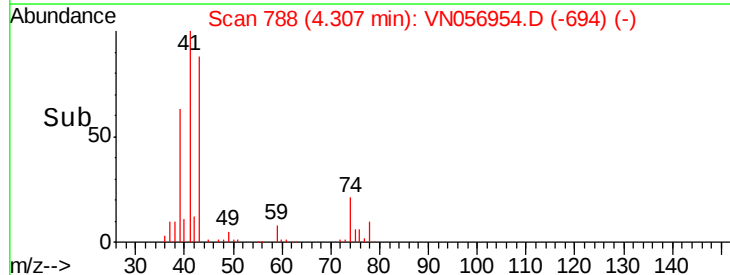
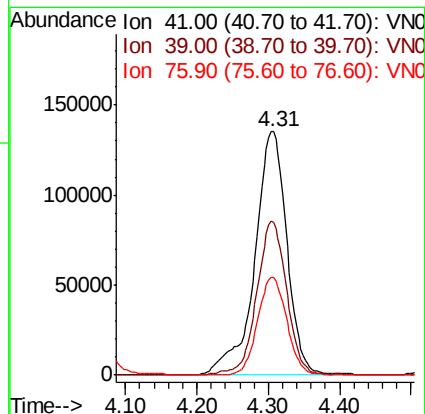
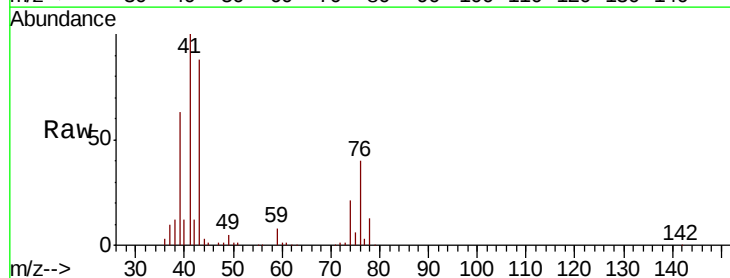
Tgt Ion: 41 Resp: 424517

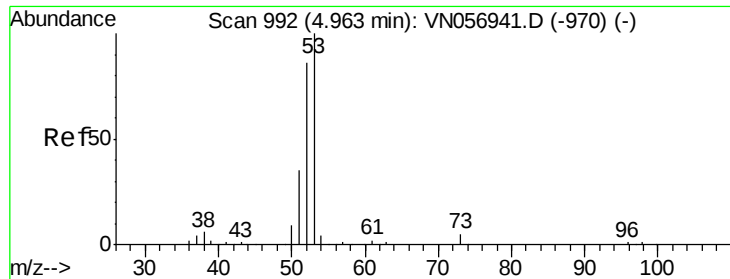
Ion Ratio Lower Upper

41 100

39 58.7 46.4 69.6

76 36.5 28.4 42.6





#15

Acrylonitrile

Concen: 269.770 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

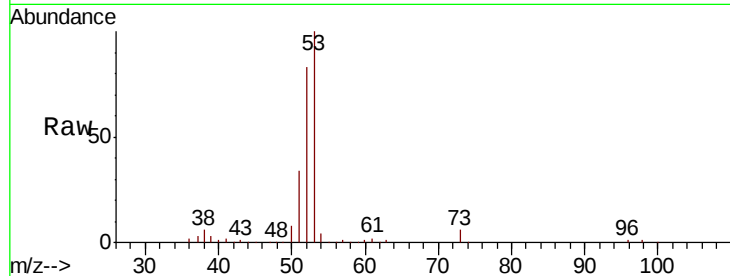
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 632257

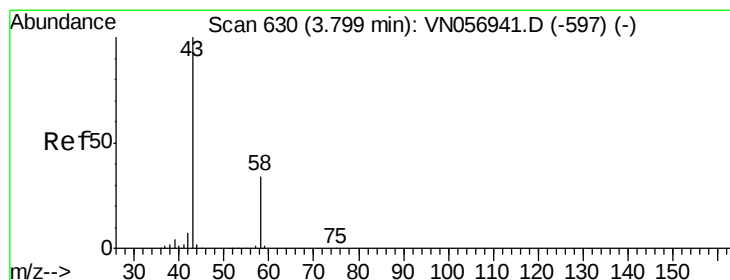
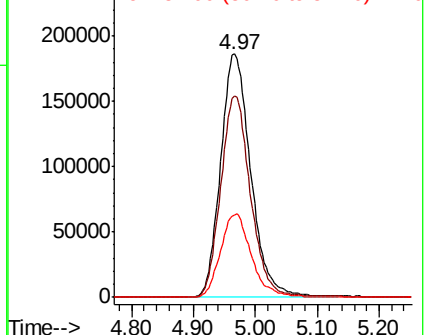
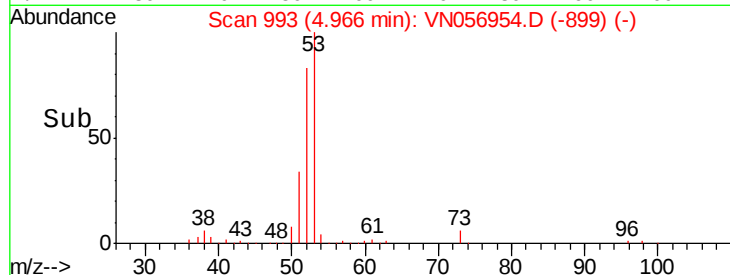
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.5	99.7
51	35.1	28.4	42.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 218.430 ug/l

RT: 3.80 min Scan# 631

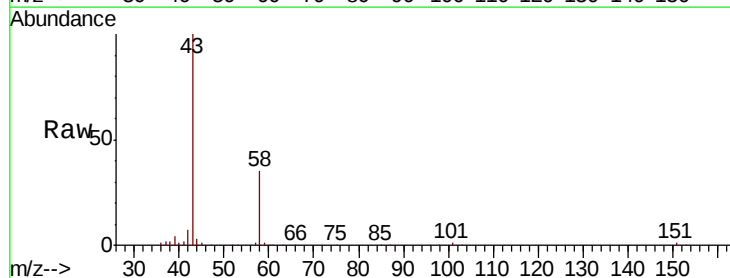
Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

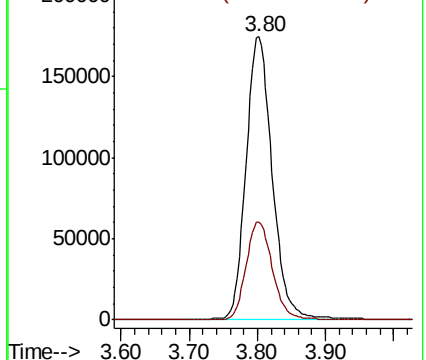
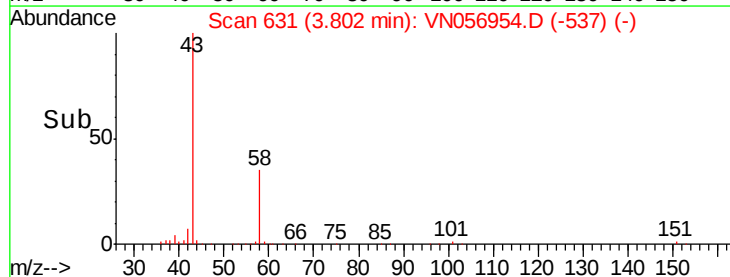
Tgt Ion: 43 Resp: 467882

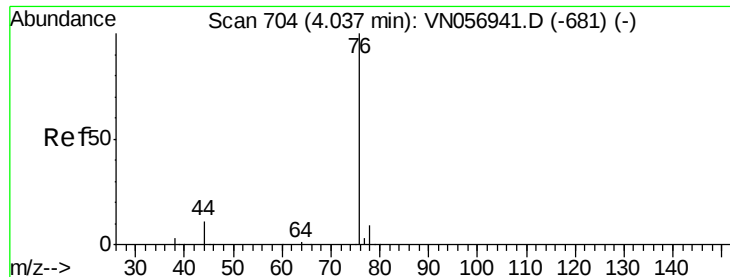
Ion	Ratio	Lower	Upper
43	100		
58	34.4	27.2	40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

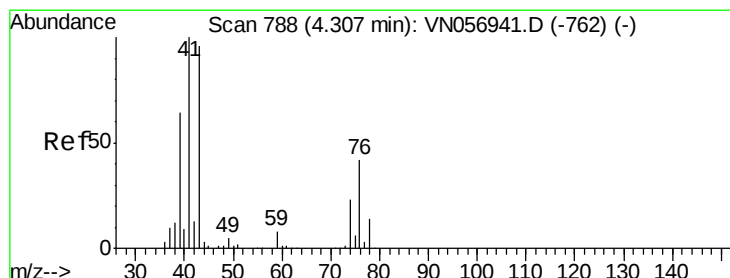
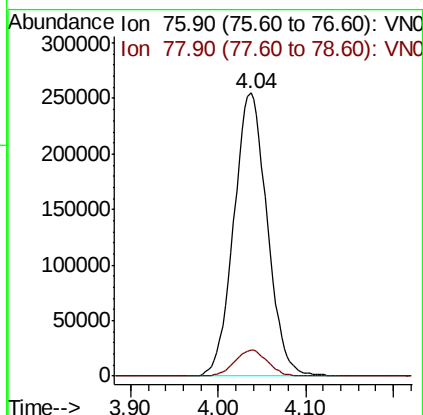
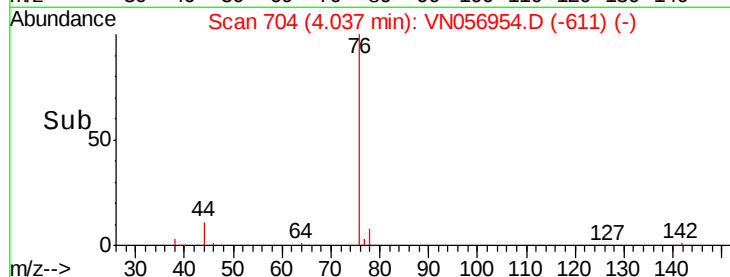
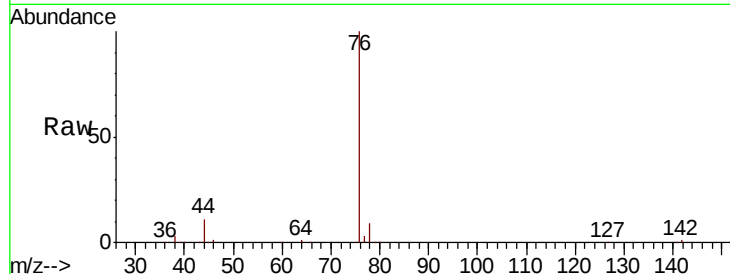




#17
Carbon Disulfide
Concen: 49.981 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

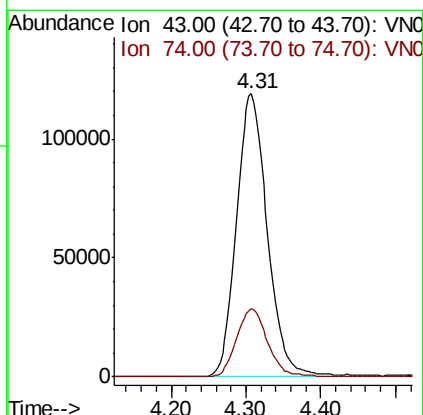
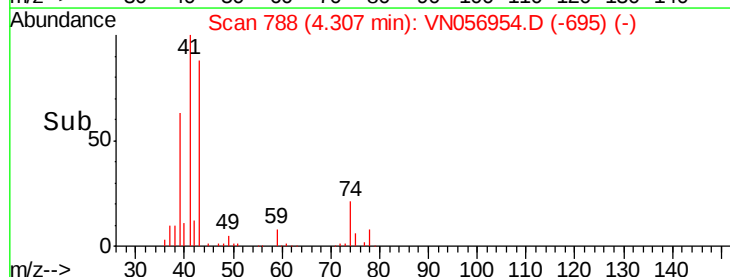
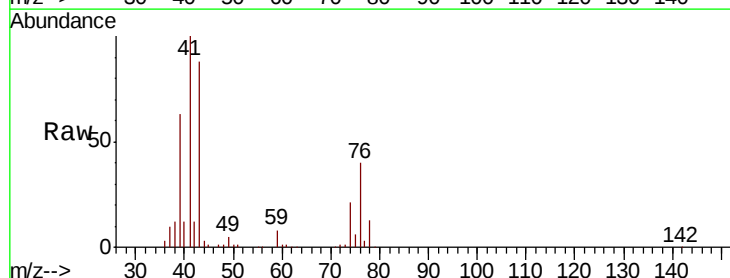
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

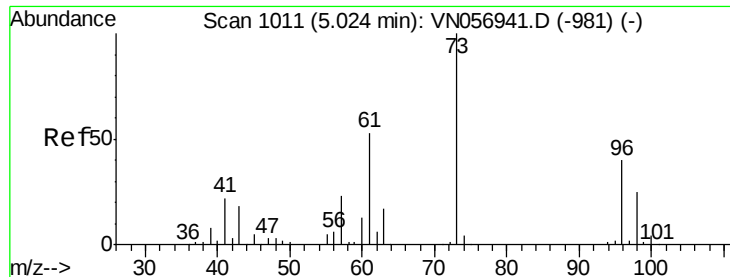
Tot Ion: 76 Resp: 674298
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 49.959 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 43 Resp: 341384
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5

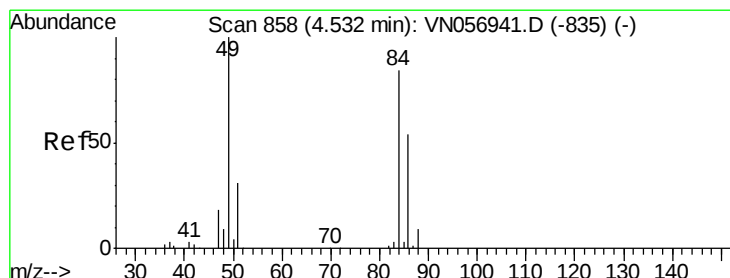
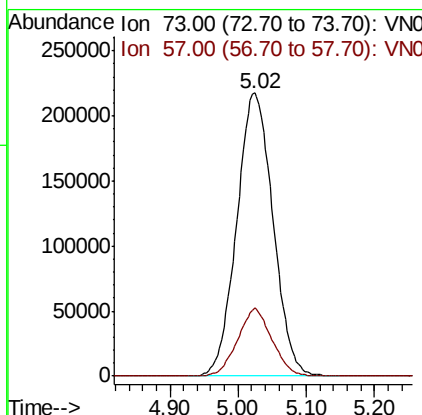
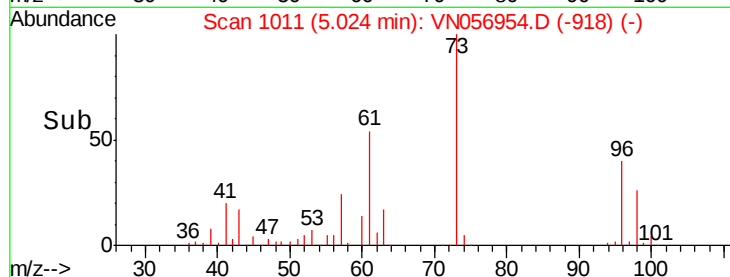
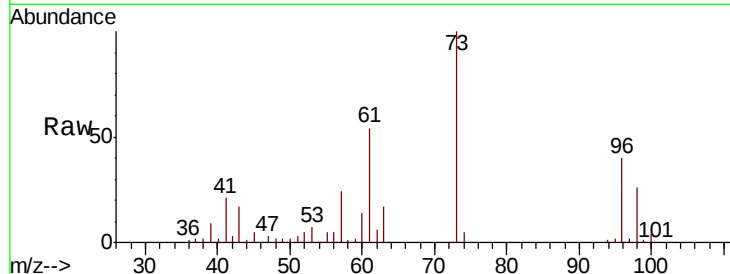




#19
Methvl tert-butvl Ether
Concen: 53.066 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

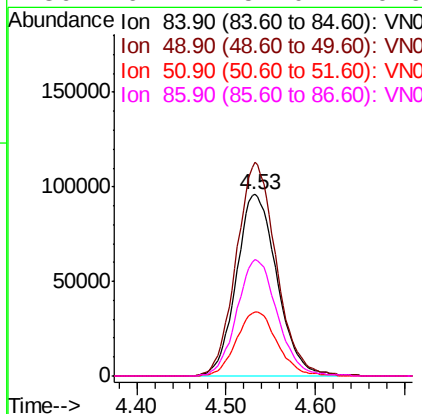
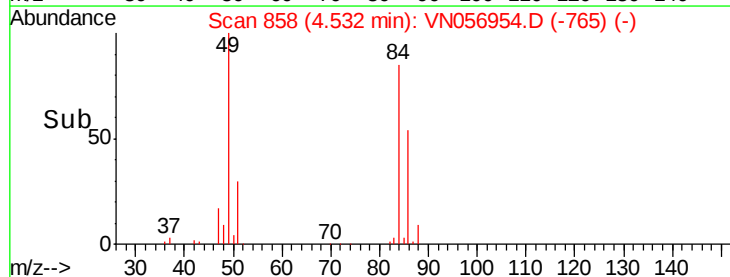
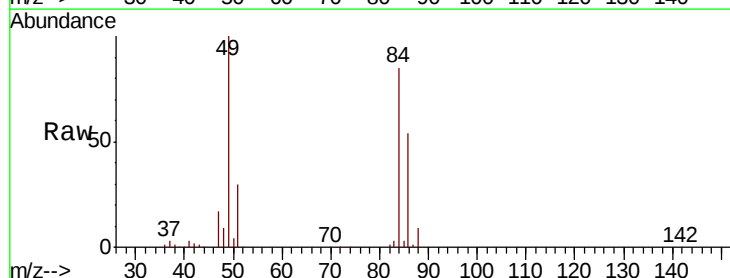
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

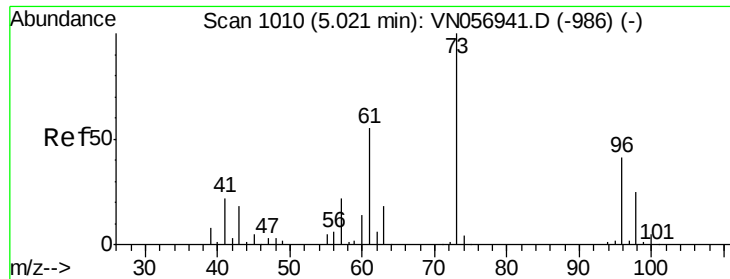
Tot Ion: 73 Resp: 803347
Ion Ratio Lower Upper
73 100
57 24.0 18.3 27.5



#20
Methylene Chloride
Concen: 49.229 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 84 Resp: 303753
Ion Ratio Lower Upper
84 100
49 117.9 95.2 142.8
51 35.4 29.7 44.5
86 64.1 51.0 76.6

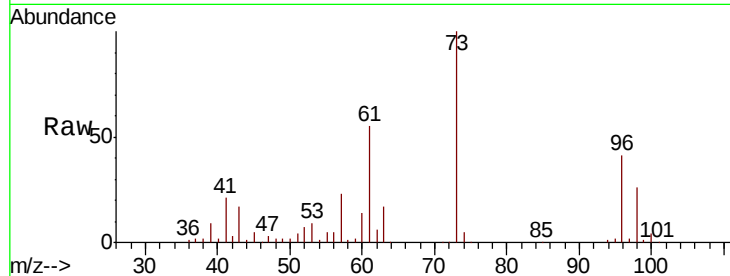




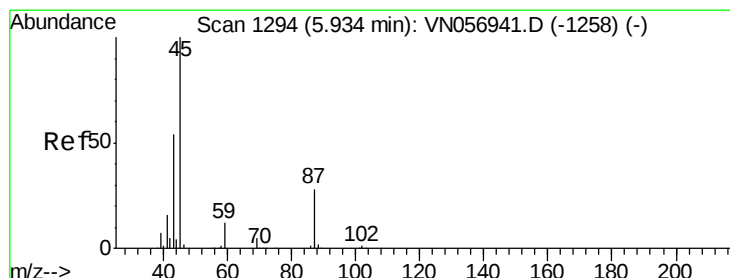
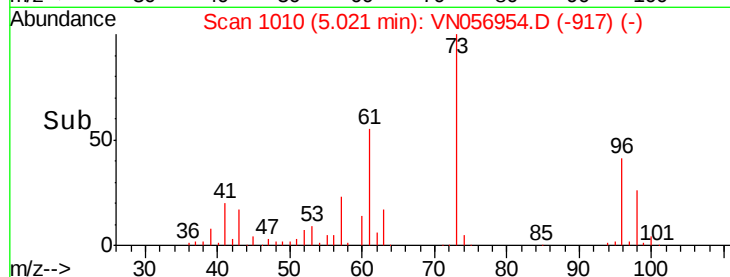
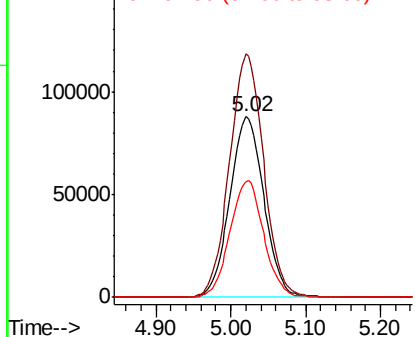
#21
trans-1,2-Dichloroethene
Concen: 51.653 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 278520
Ion Ratio Lower Upper
96 100
61 134.8 107.5 161.3
98 64.1 49.9 74.9

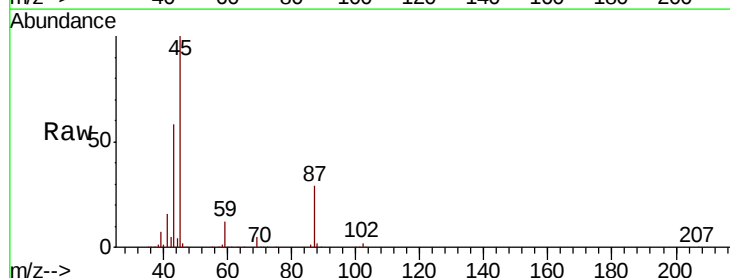


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

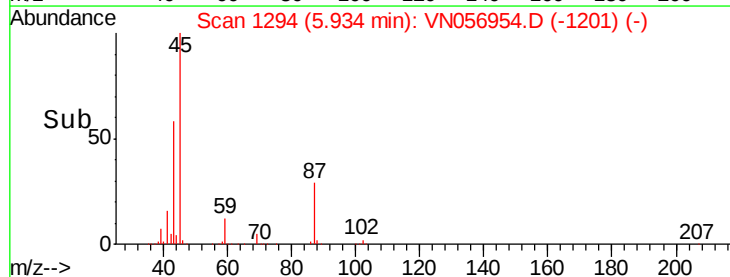
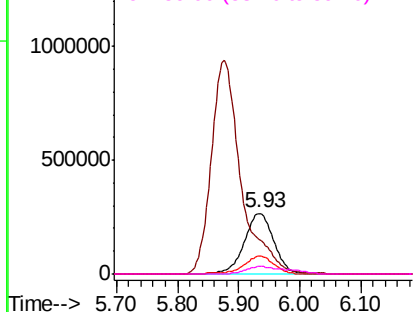


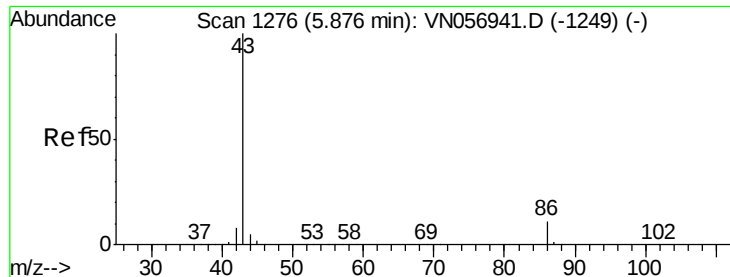
#22
Diisopropyl ether
Concen: 52.550 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 45 Resp: 894203
Ion Ratio Lower Upper
45 100
43 57.1 44.7 67.1
87 29.1 23.0 34.6
59 12.0 9.8 14.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

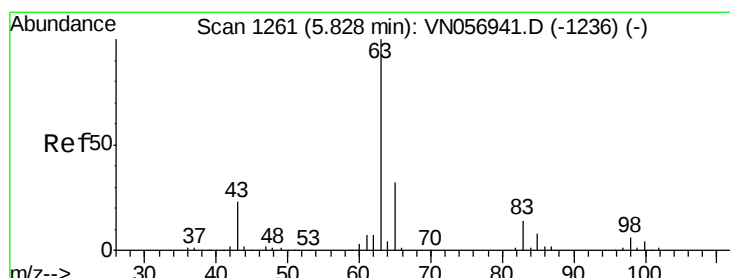
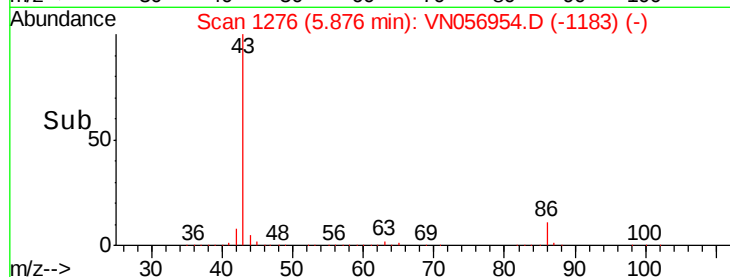
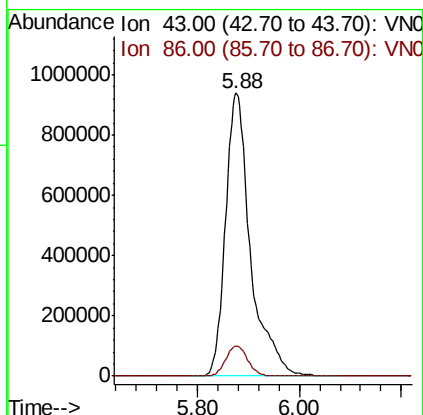
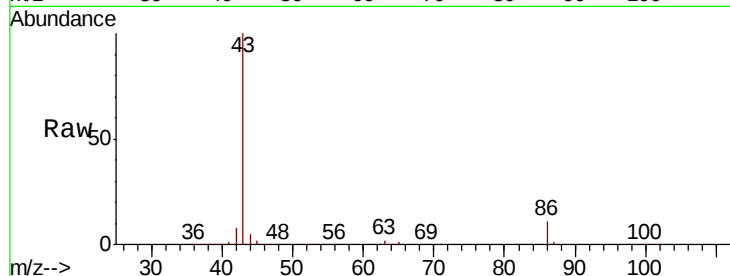




#23
 Vinyl Acetate
 Concen: 270.886 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

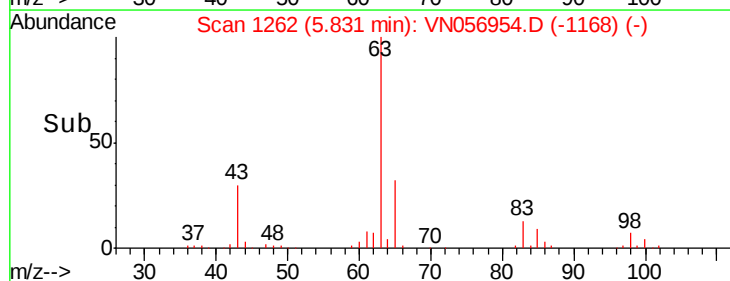
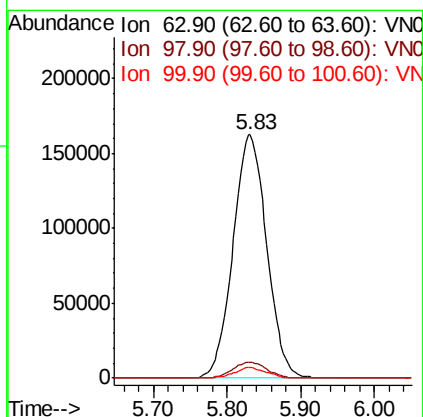
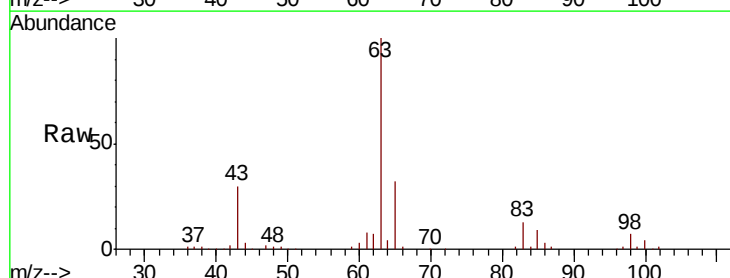
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

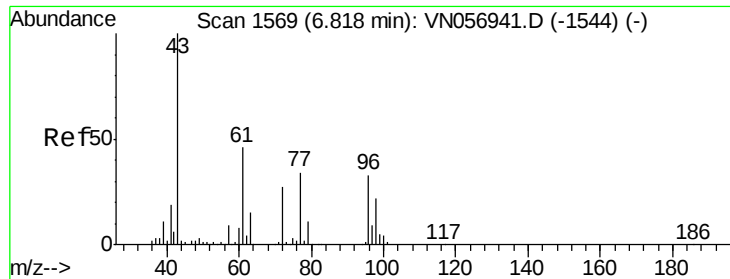
Tot Ion: 43 Resp: 3193718
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 51.484 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 63 Resp: 516884
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.2 9.6
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 252.974 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

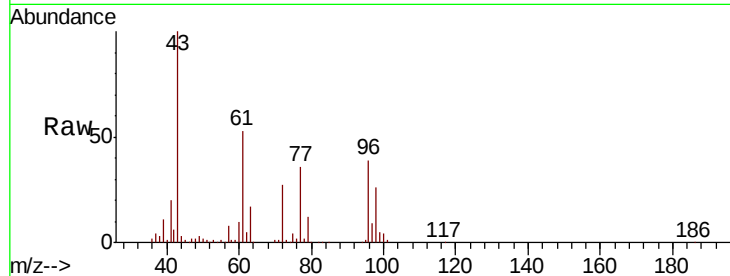
VSTDCCC050EC

Tot Ion: 43 Resp: 768379

Ion Ratio Lower Upper

43 100

72 26.8 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

250000

200000

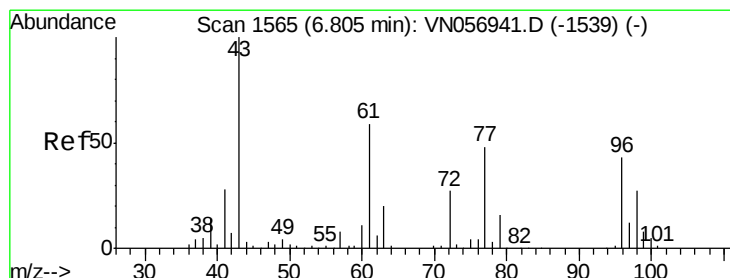
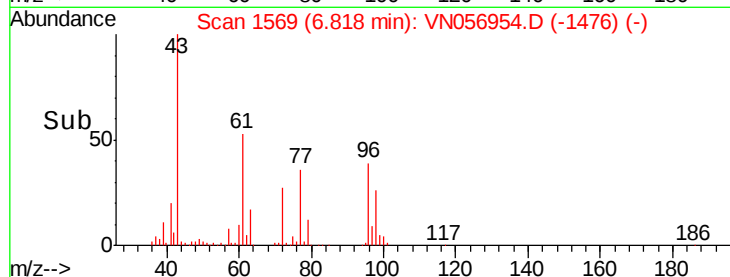
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 45.881 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN056954.D

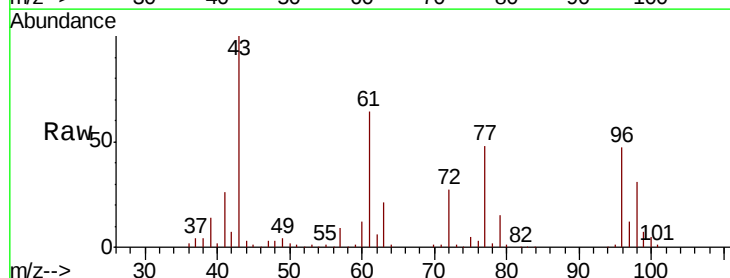
Acq: 26 Jul 2019 20:32

Tgt Ion: 77 Resp: 350253

Ion Ratio Lower Upper

77 100

97 25.0 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

120000

100000

80000

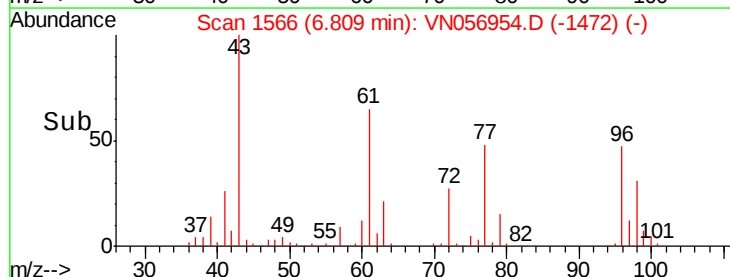
60000

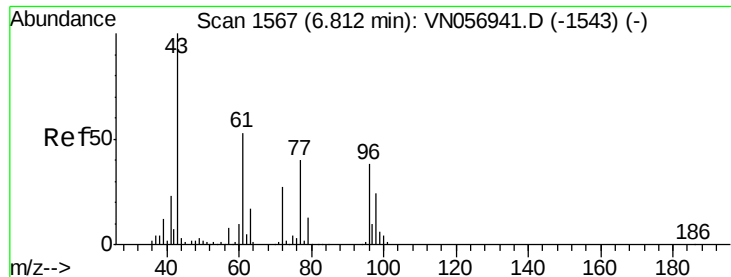
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 51.192 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

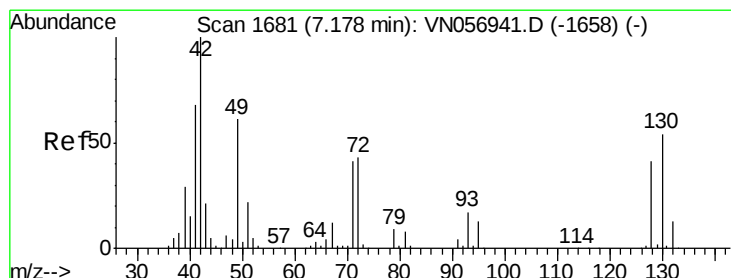
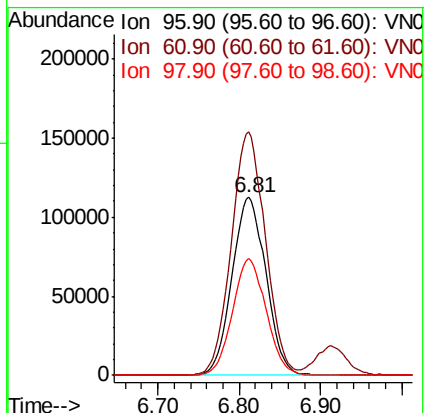
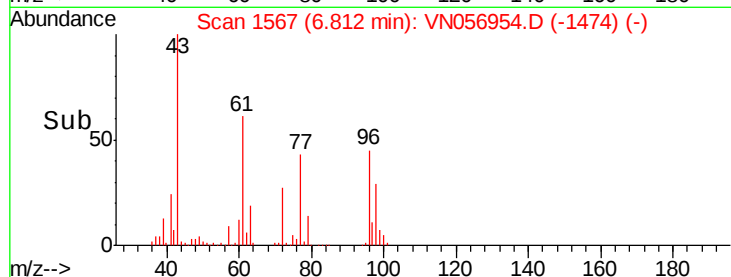
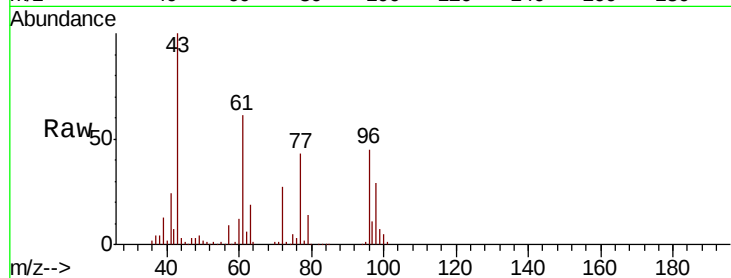
Tot Ion: 96 Resp: 326480

Ion Ratio Lower Upper

96 100

61 137.2 0.0 277.2

98 64.9 0.0 128.4



#28

Bromochloromethane

Concen: 51.709 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

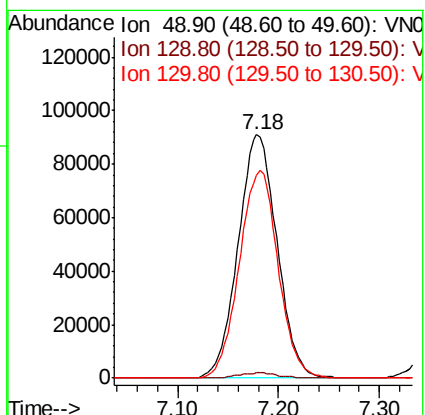
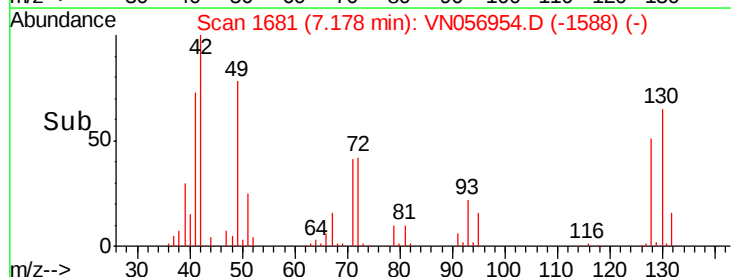
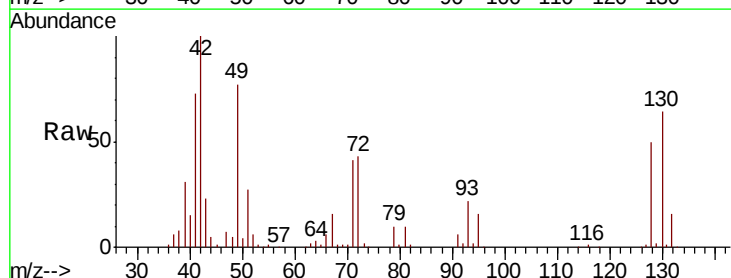
Tgt Ion: 49 Resp: 244021

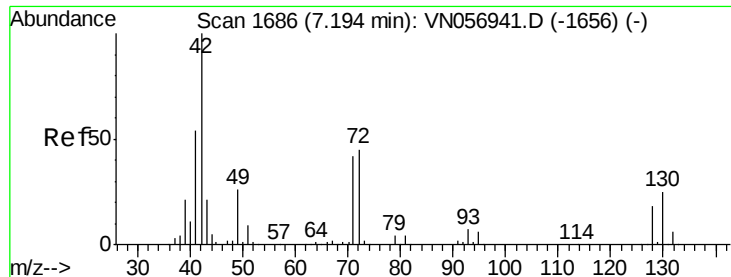
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

130 84.9 69.0 103.4

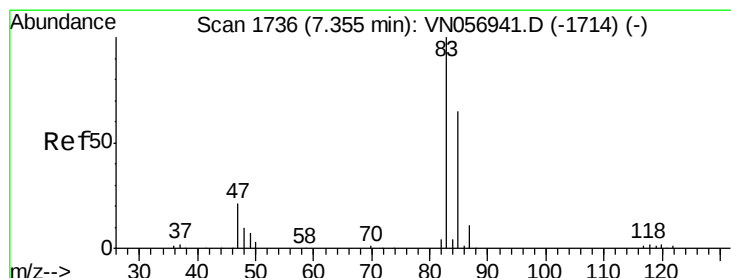
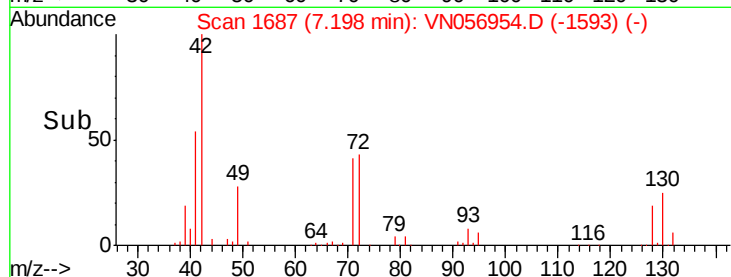
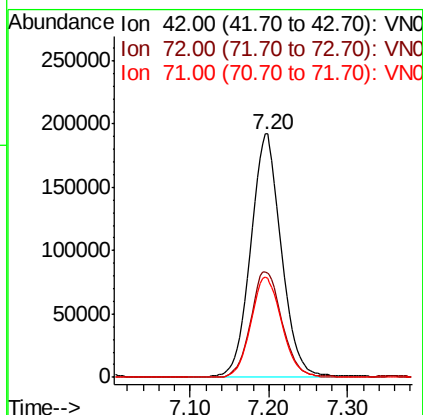
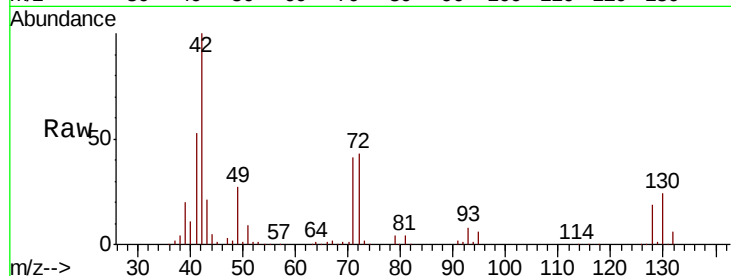




#29
Tetrahydrofuran
Concen: 267.385 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

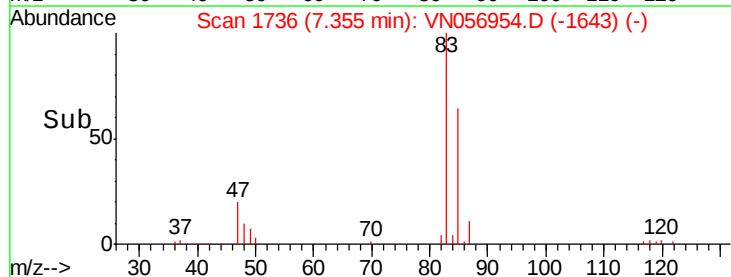
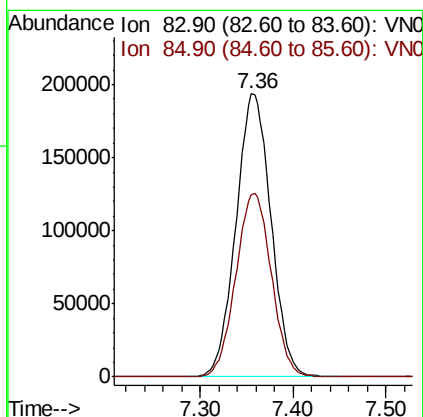
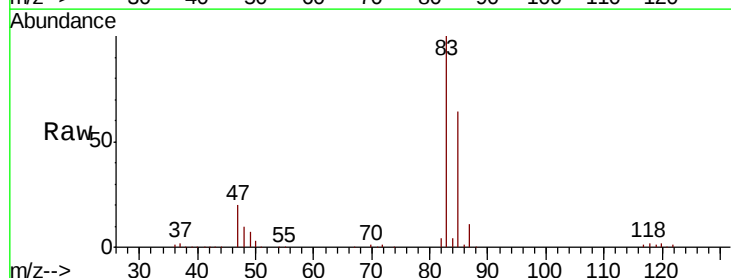
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

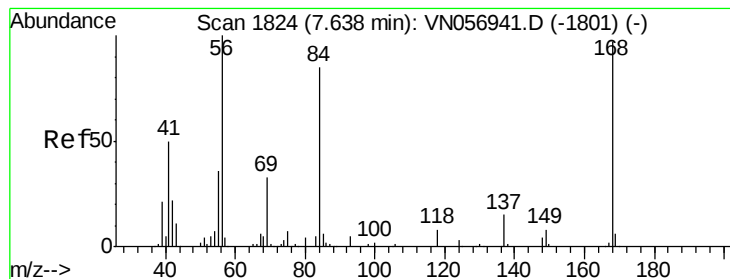
Tot Ion: 42 Resp: 529884
Ion Ratio Lower Upper
42 100
72 44.7 35.6 53.4
71 41.7 33.5 50.3



#30
Chloroform
Concen: 49.462 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 83 Resp: 507727
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.2





#31

Cyclohexane

Concen: 48.312 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

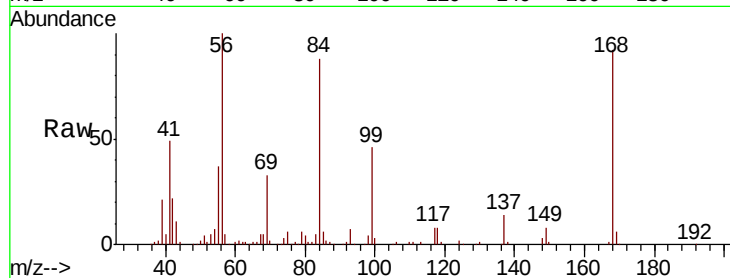
Tot Ion: 56 Resp: 469365

Ion Ratio Lower Upper

56 100

69 33.1 26.2 39.2

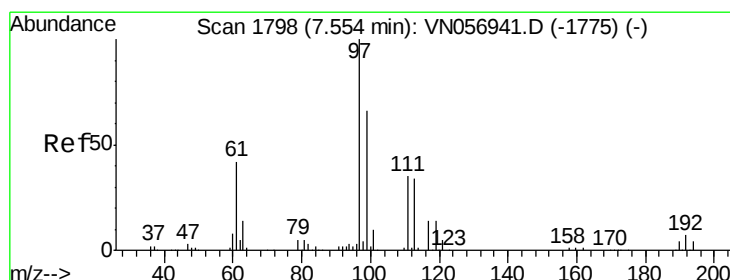
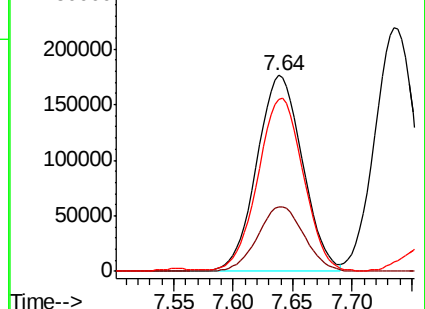
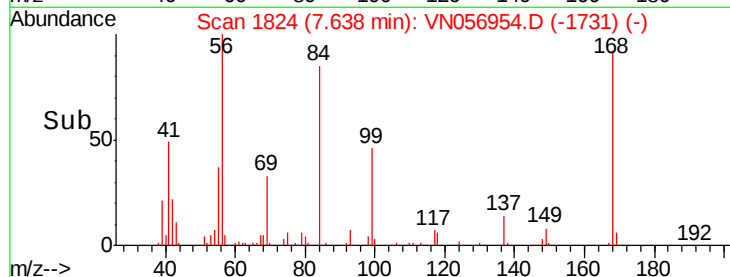
84 86.7 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN056954.D (-1731) (-)

Ion 69.00 (68.70 to 69.70): VN056954.D (-1731) (-)

Ion 84.00 (83.70 to 84.70): VN056954.D (-1731) (-)



#32

1,1,1-Trichloroethane

Concen: 51.973 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

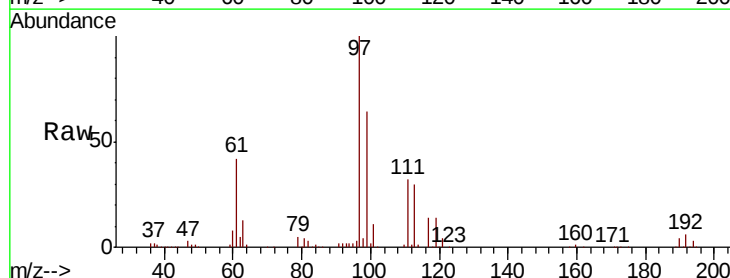
Tgt Ion: 97 Resp: 425678

Ion Ratio Lower Upper

97 100

99 65.2 52.3 78.5

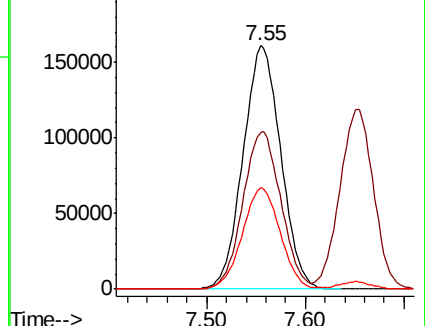
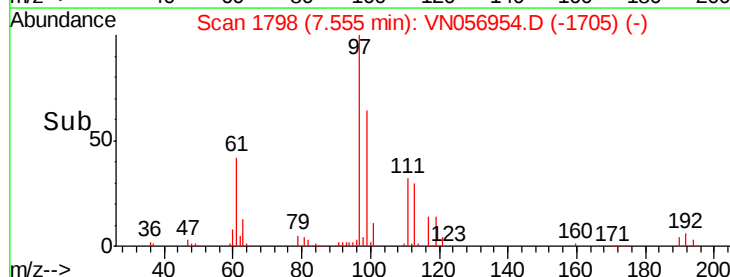
61 41.8 33.9 50.9

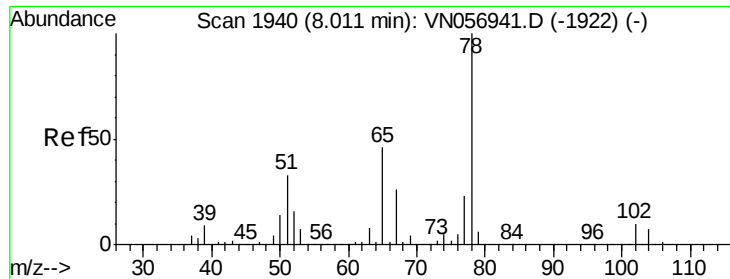


Abundance Ion 96.90 (96.60 to 97.60): VN056954.D (-1705) (-)

Ion 98.90 (98.60 to 99.60): VN056954.D (-1705) (-)

Ion 60.90 (60.60 to 61.60): VN056954.D (-1705) (-)





#33

1,2-Dichloroethane-d4

Concen: 53.712 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

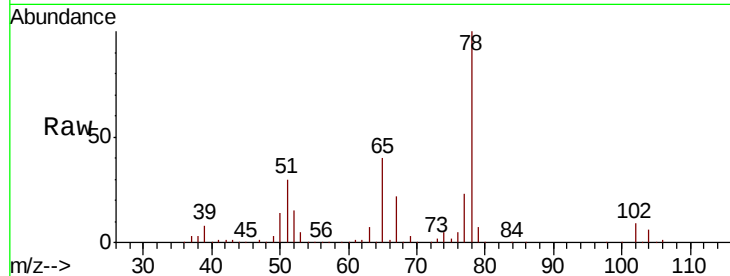
VSTDCCC050EC

Tot Ion: 65 Resp: 317580

Ion Ratio Lower Upper

65 100

67 54.7 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056954.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN056954.D (-1847) (-)

8.01

150000

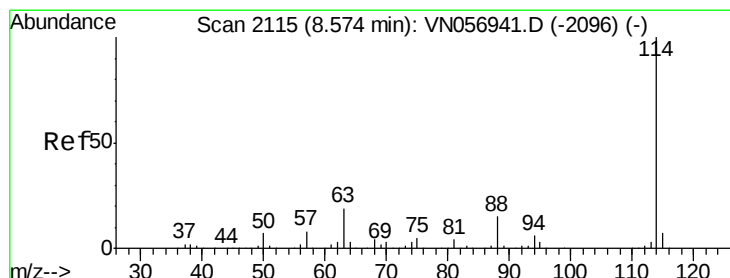
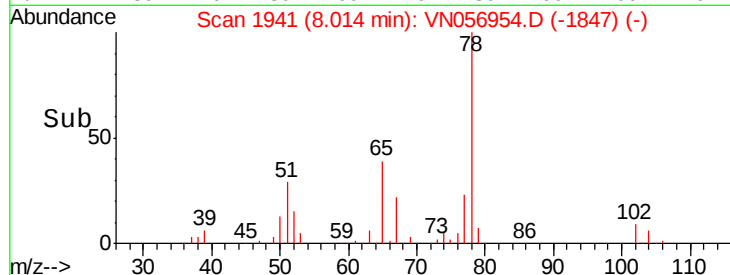
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

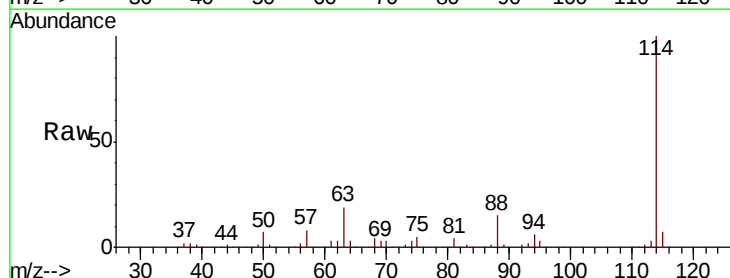
Tgt Ion: 114 Resp: 869260

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.0

88 15.4 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN056954.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN056954.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN056954.D (-2022) (-)

8.57

500000

400000

300000

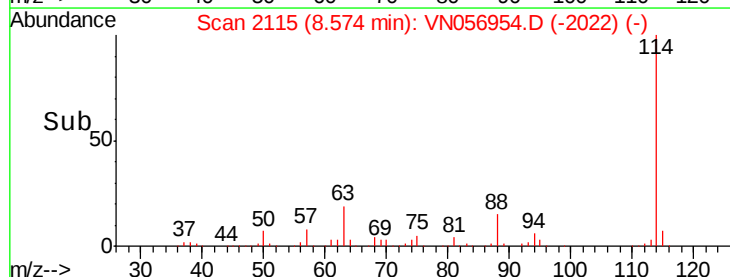
200000

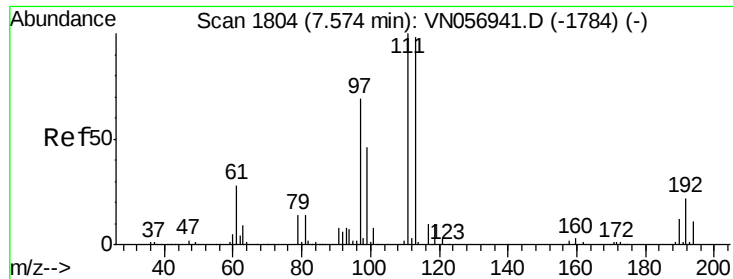
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

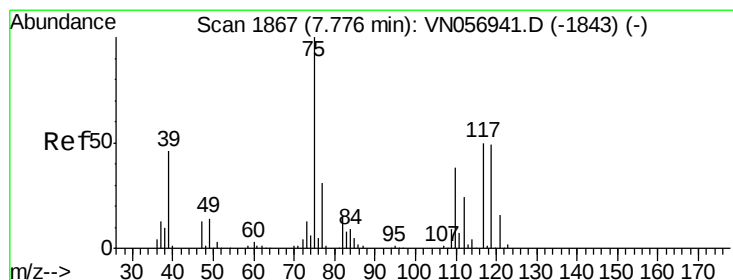
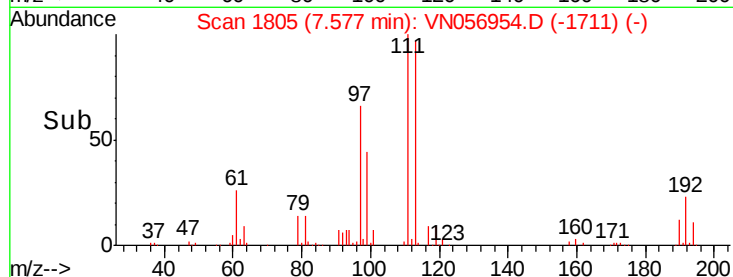
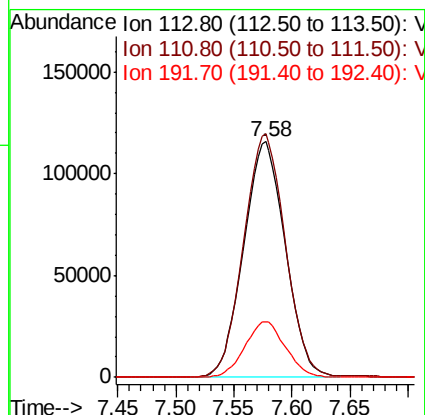
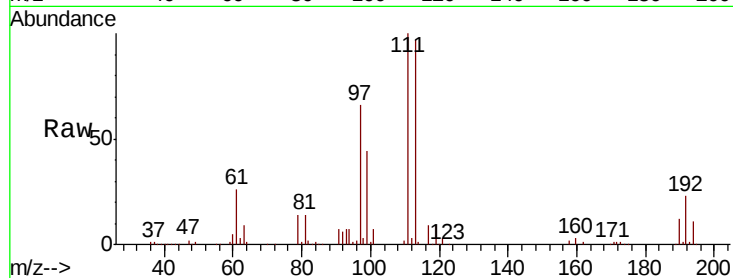




#35
Dibromofluoromethane
Concen: 52.151 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

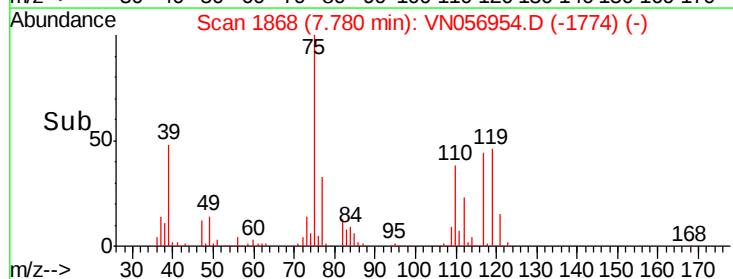
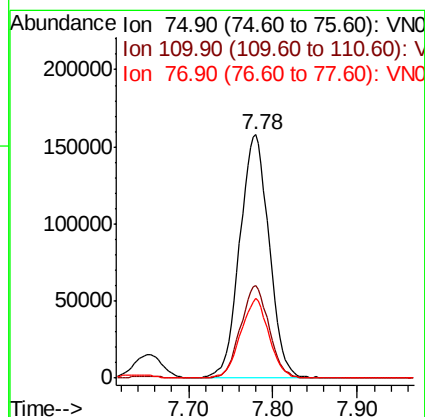
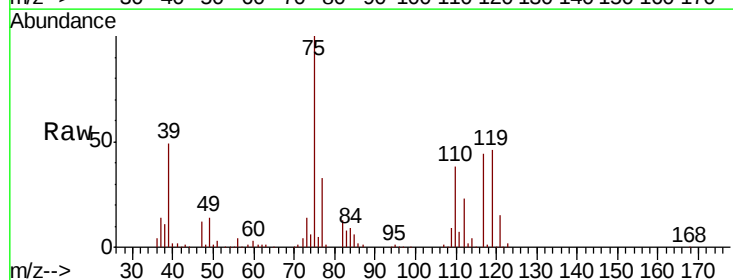
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

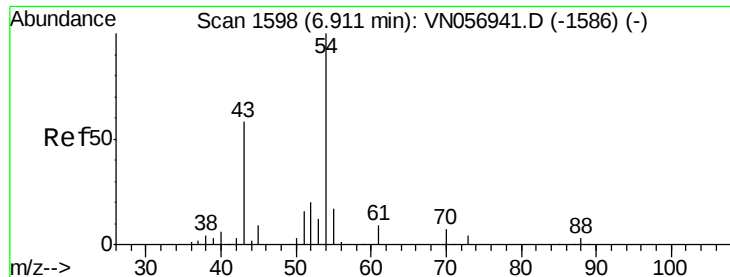
Tot Ion:113 Resp: 290205
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 23.0 18.4 27.6



#36
1,1-Dichloropropene
Concen: 49.873 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 75 Resp: 381475
Ion Ratio Lower Upper
75 100
110 36.9 18.6 55.8
77 31.8 25.2 37.8

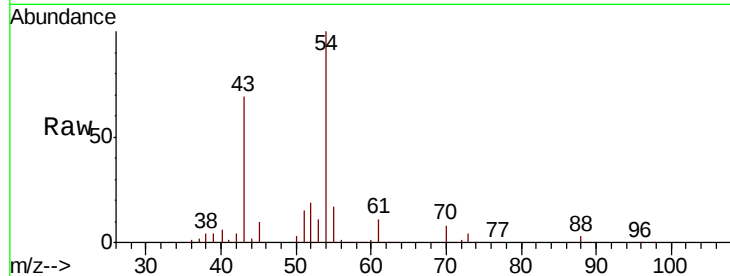




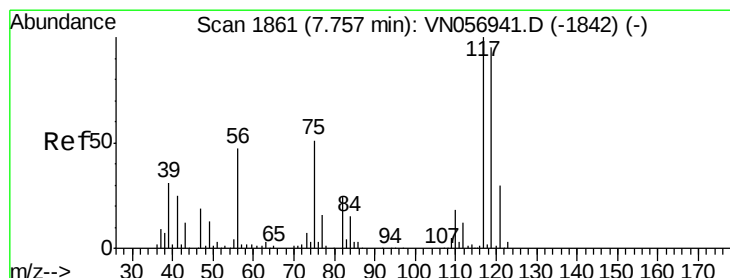
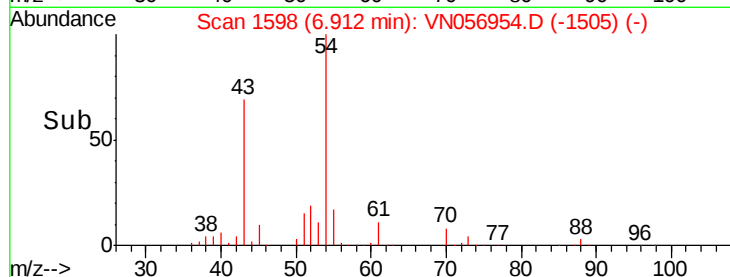
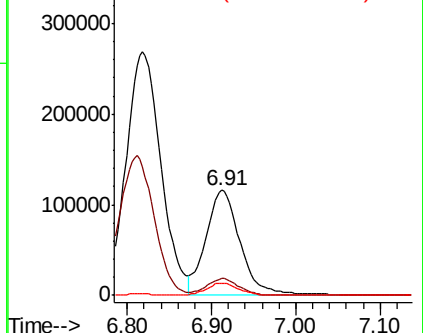
#37
Ethyl Acetate
Concen: 52.766 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 323248
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 11.0 8.5 12.7

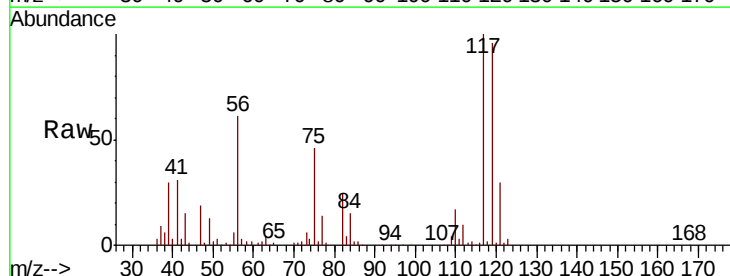


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

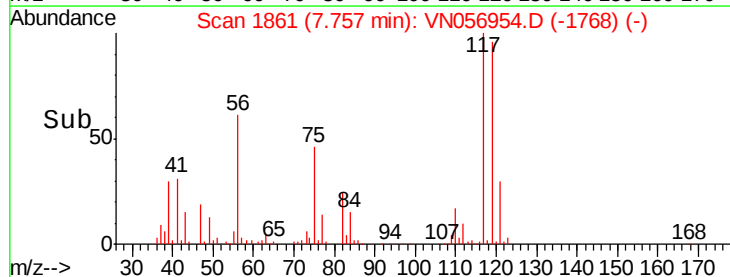
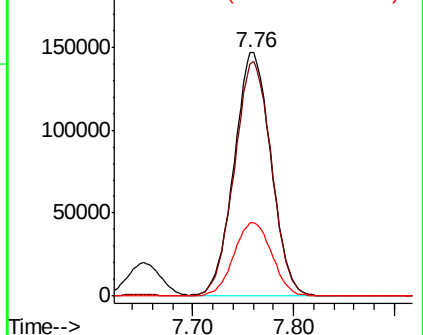


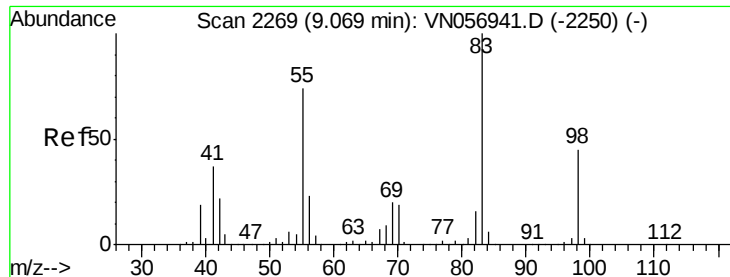
#38
Carbon Tetrachloride
Concen: 51.567 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 117 Resp: 373091
Ion Ratio Lower Upper
117 100
119 95.5 75.3 112.9
121 29.9 24.2 36.4



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

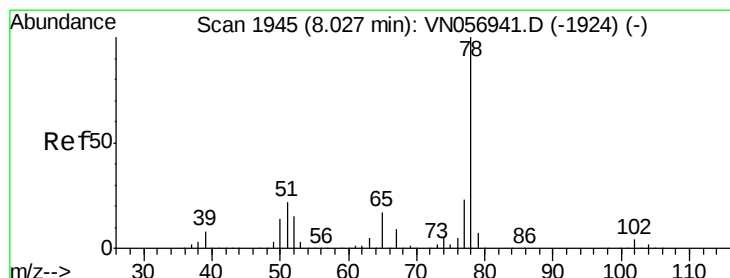
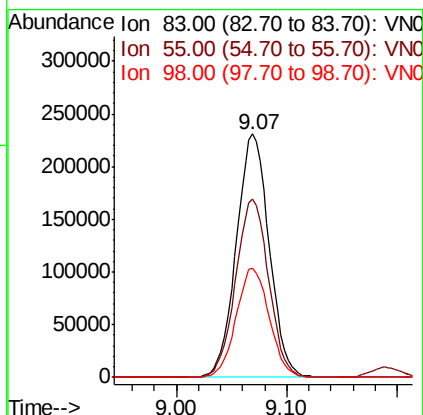
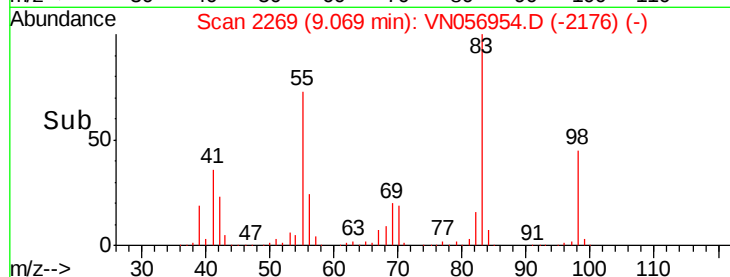
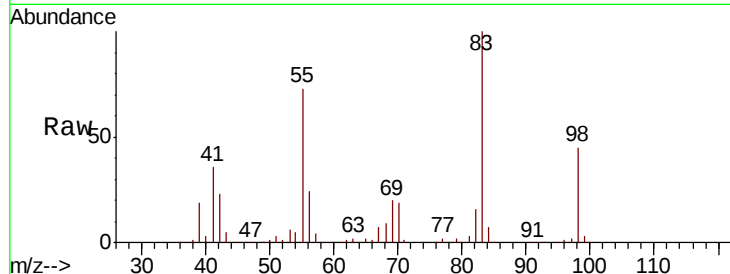




#39
Methvlcvclohexane
Concen: 48.640 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

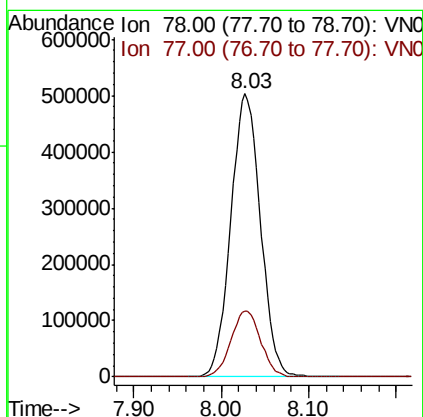
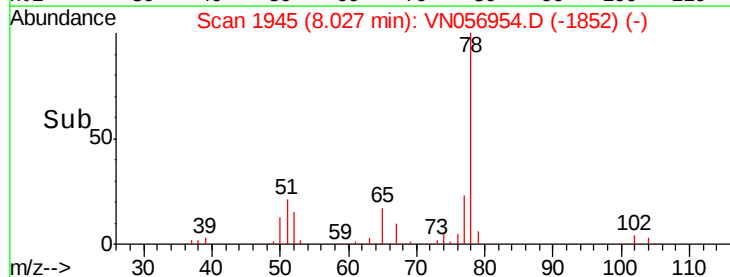
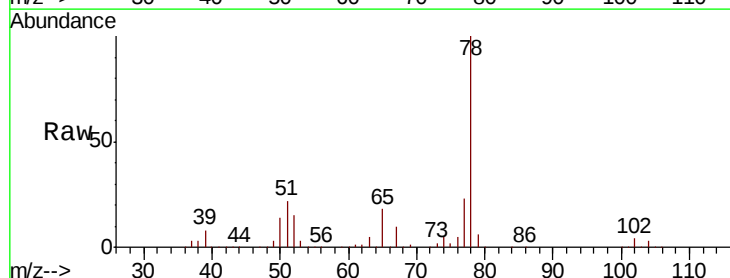
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

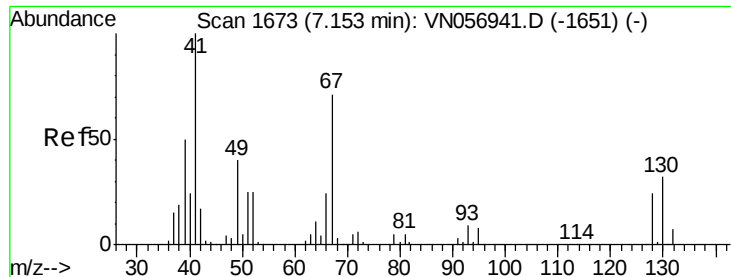
Tot Ion: 83 Resp: 475503
Ion Ratio Lower Upper
83 100
55 73.2 59.0 88.6
98 44.9 36.2 54.4



#40
Benzene
Concen: 50.368 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 78 Resp: 1186606
Ion Ratio Lower Upper
78 100
77 23.4 18.3 27.5

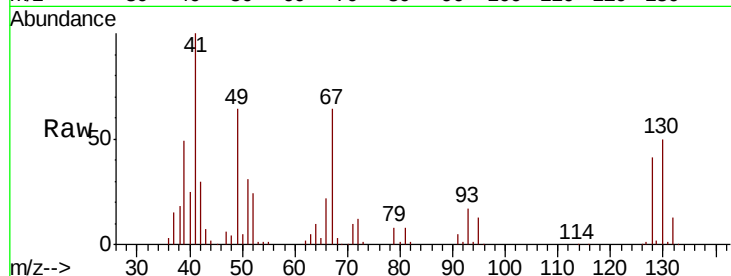




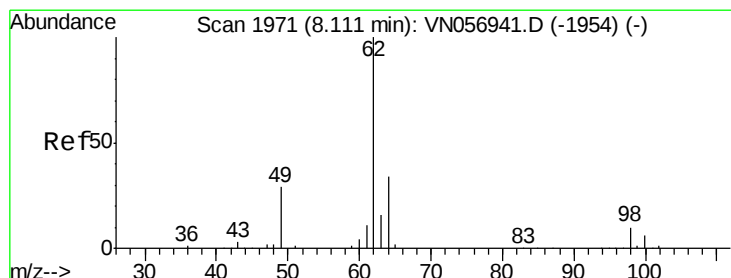
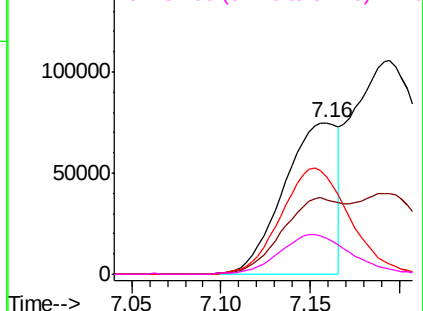
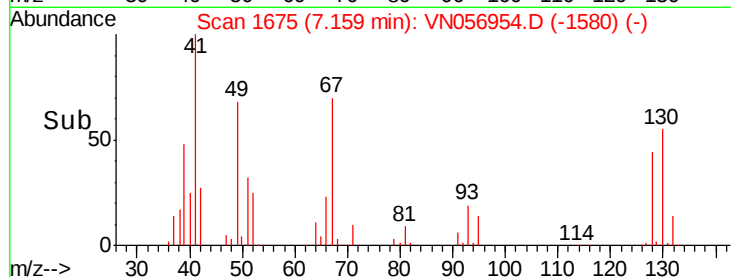
#41
Methacrylonitrile
Concen: 55.647 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 157593
Ion Ratio Lower Upper
41 100
39 58.8 48.9 73.3
67 89.4 83.4 125.0
52 34.9 30.9 46.3

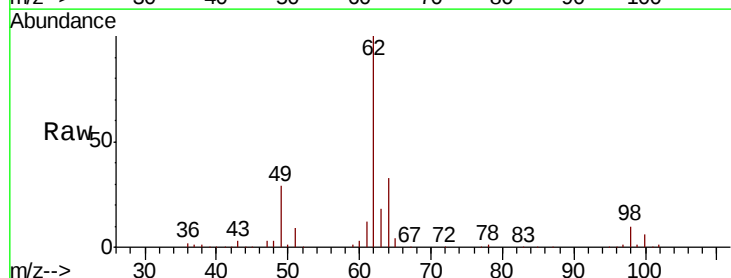


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

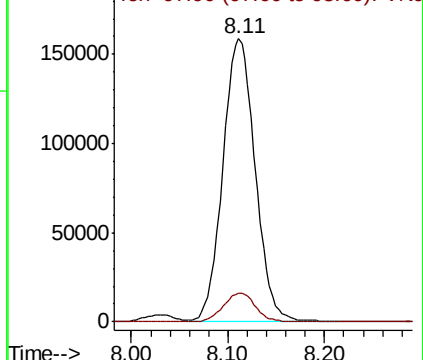
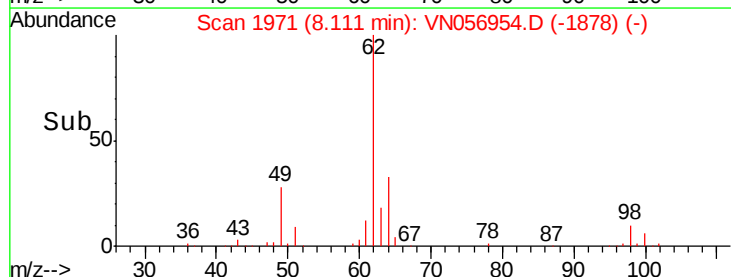


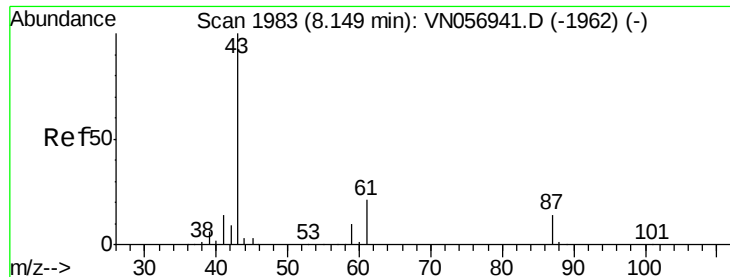
#42
1,2-Dichloroethane
Concen: 49.751 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 62 Resp: 367341
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.986 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

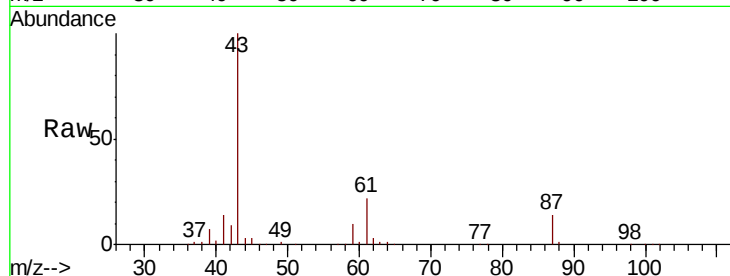
Tot Ion: 43 Resp: 526376

Ion Ratio Lower Upper

43 100

61 29.8 23.0 34.6

87 14.2 11.7 17.5

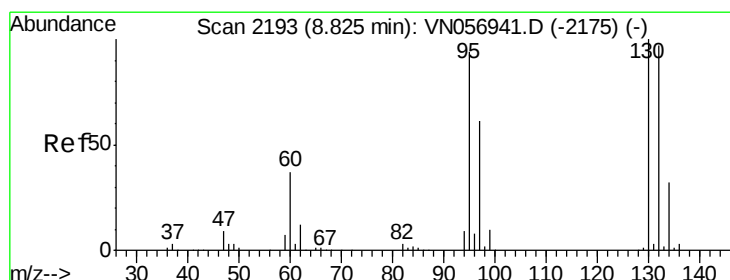
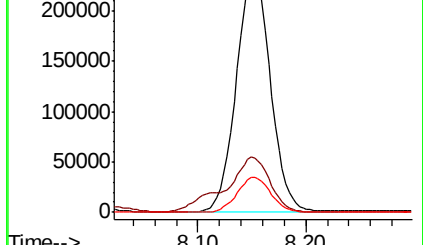
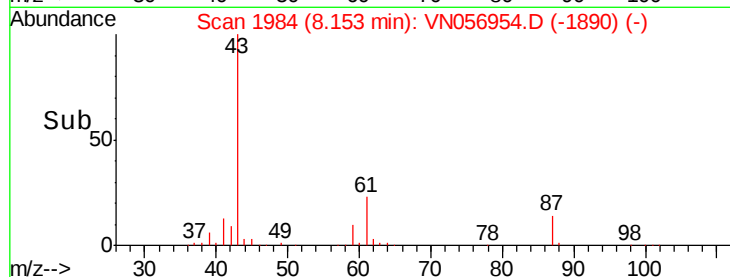


Abundance Ion 43.00 (42.70 to 43.70): VN056954.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056954.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056954.D (-1962) (-)

8.15



#44

Trichloroethene

Concen: 49.754 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056954.D

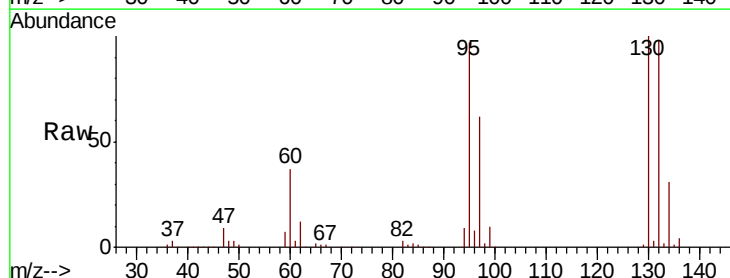
Acq: 26 Jul 2019 20:32

Tgt Ion:130 Resp: 322925

Ion Ratio Lower Upper

130 100

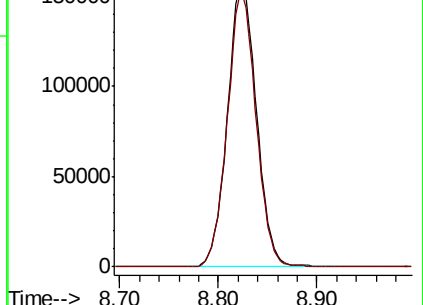
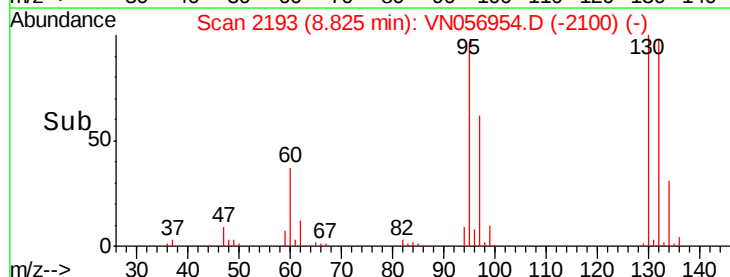
95 96.6 0.0 189.0

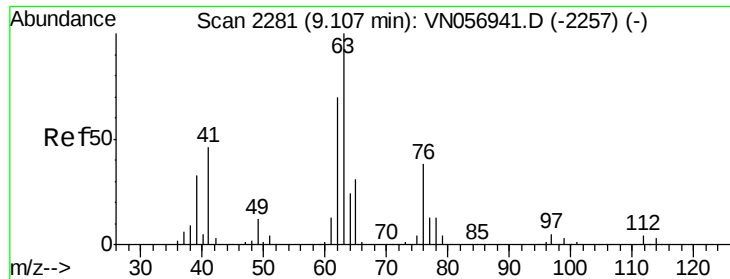


Abundance Ion 129.80 (129.50 to 130.50): VN056954.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056954.D (-2175) (-)

8.82

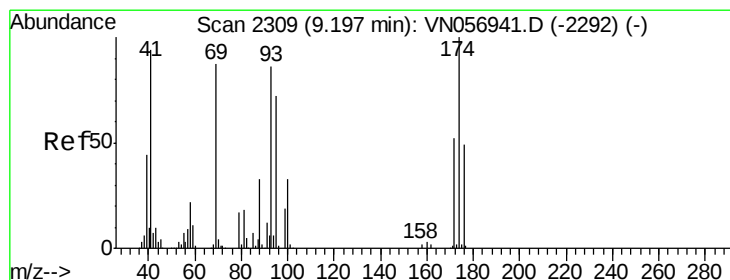
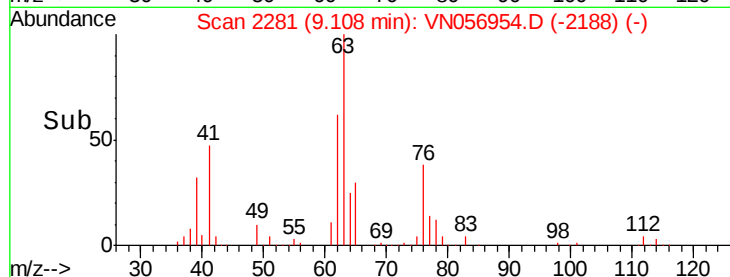
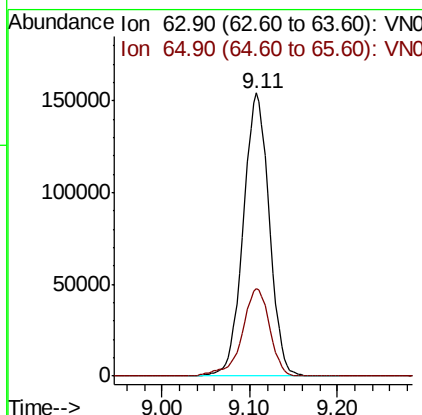
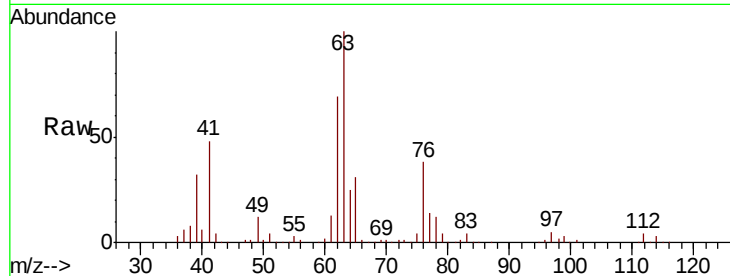




#45
 1,2-Dichloropropane
 Concen: 50.394 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

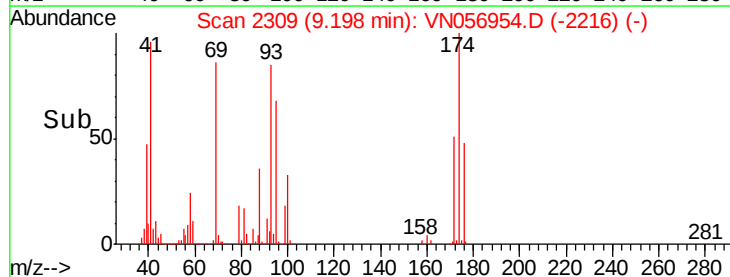
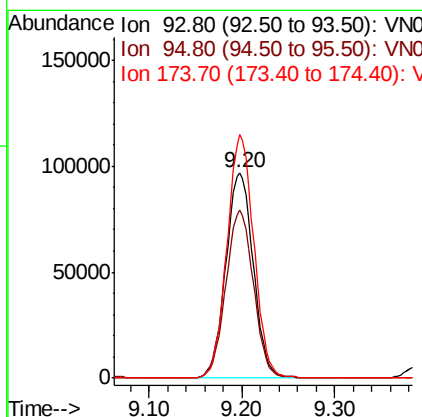
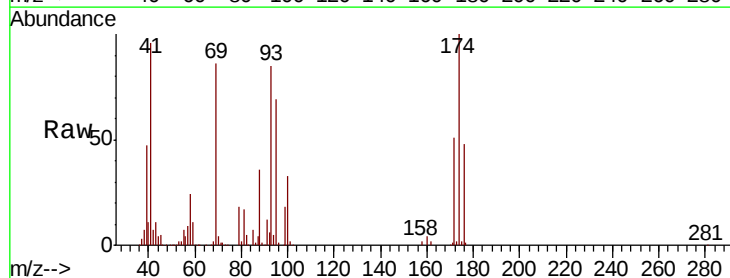
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

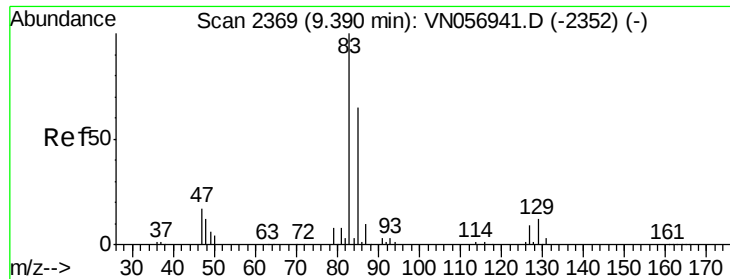
Tot Ion: 63 Resp: 317552
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.8 37.2



#46
 Dibromomethane
 Concen: 52.485 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 93 Resp: 199455
 Ion Ratio Lower Upper
 93 100
 95 82.1 67.0 100.6
 174 115.7 92.7 139.1





#47

Bromodichloromethane

Concen: 52.133 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

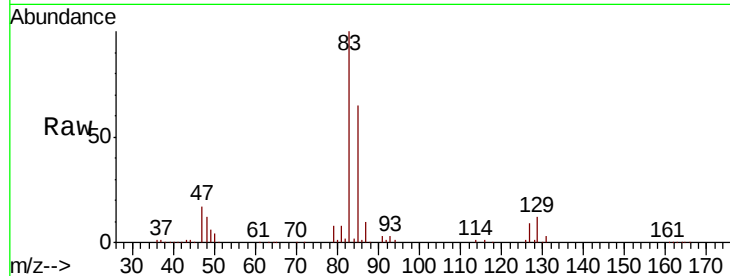
Tot Ion: 83 Resp: 389521

Ion Ratio Lower Upper

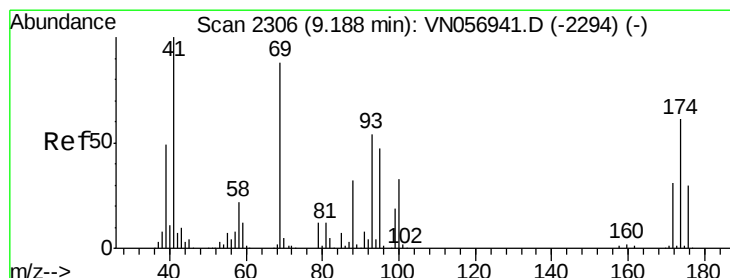
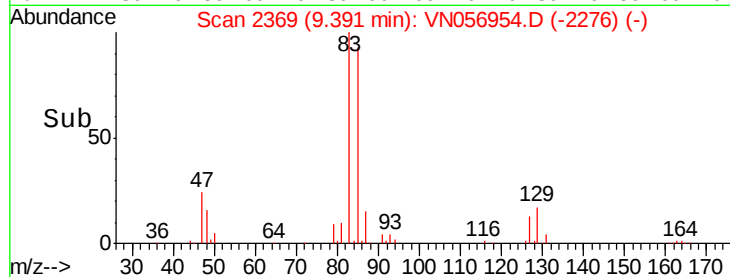
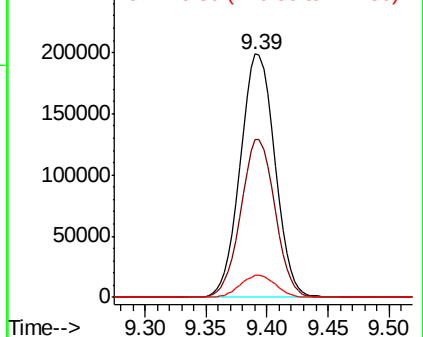
83 100

85 64.7 51.6 77.4

127 8.9 7.3 10.9



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: 52.662 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

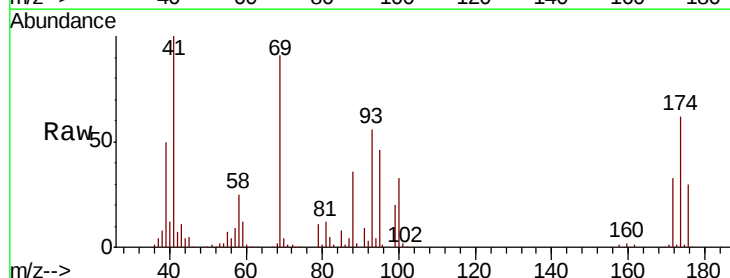
Tgt Ion: 41 Resp: 257435

Ion Ratio Lower Upper

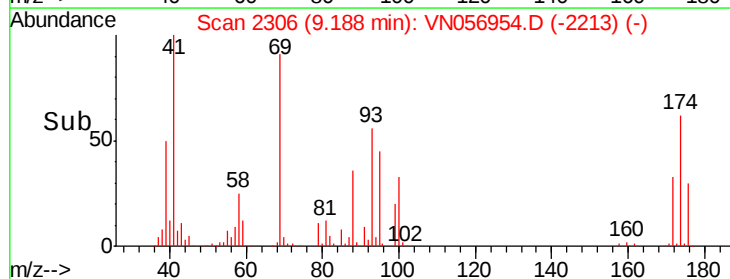
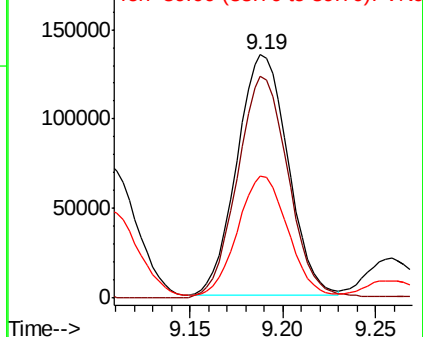
41 100

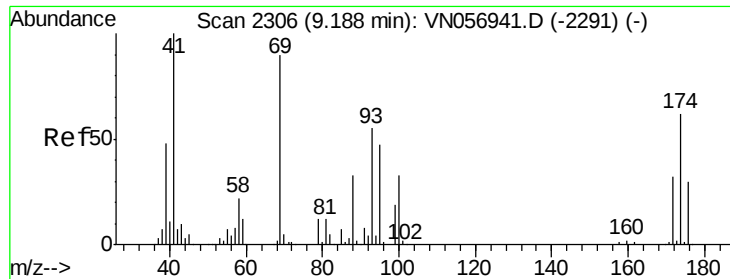
69 92.7 73.4 110.0

39 50.5 39.9 59.9



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

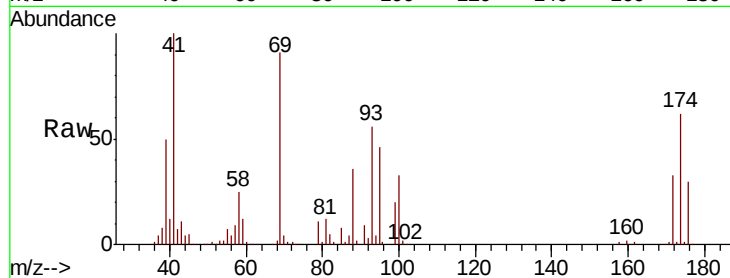




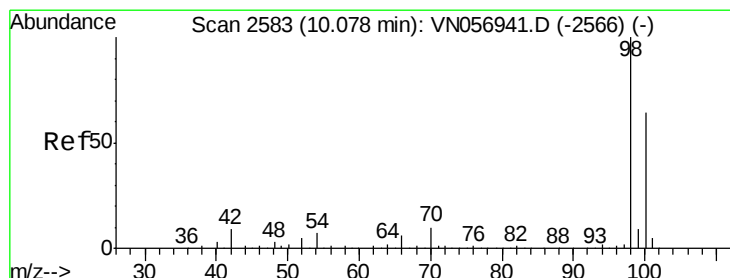
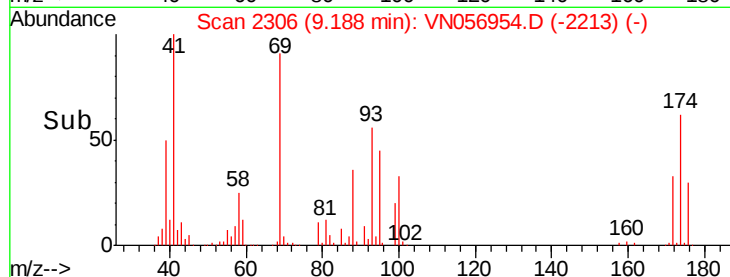
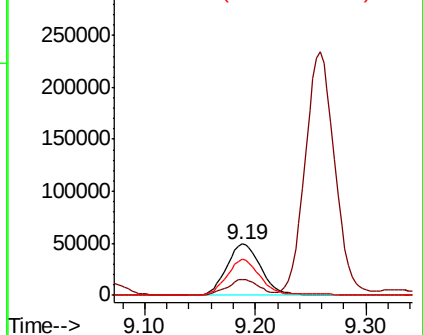
#49
 1,4-Dioxane
 Concen: 1059.325 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 106718
 Ion Ratio Lower Upper
 88 100
 43 28.2 22.2 33.2
 58 67.4 54.1 81.1

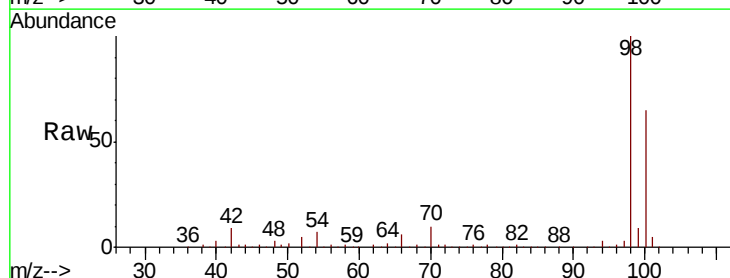


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

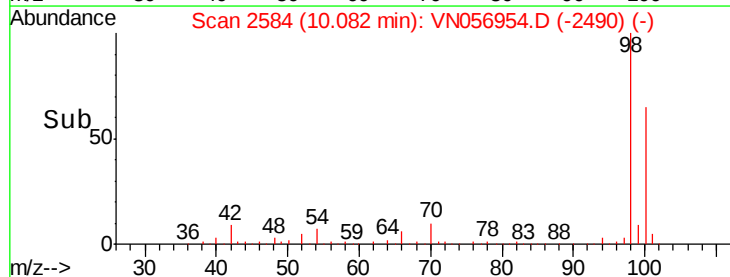
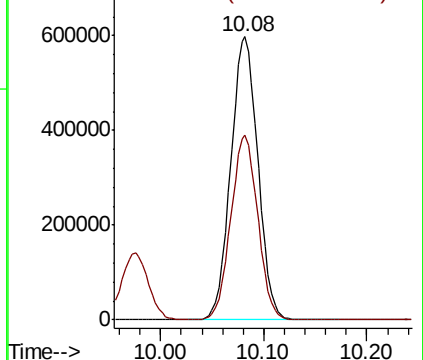


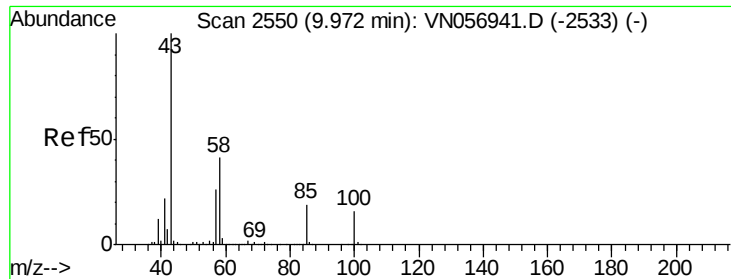
#50
 Toluene-d8
 Concen: 51.605 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 98 Resp: 1095098
 Ion Ratio Lower Upper
 98 100
 100 64.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

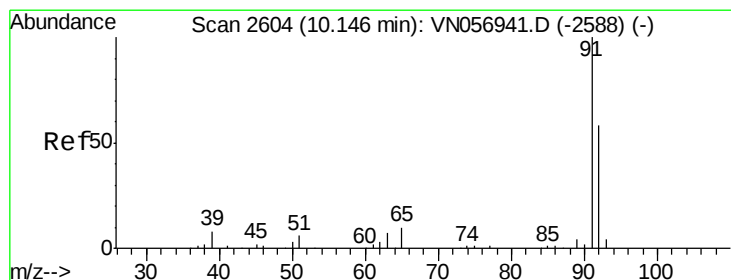
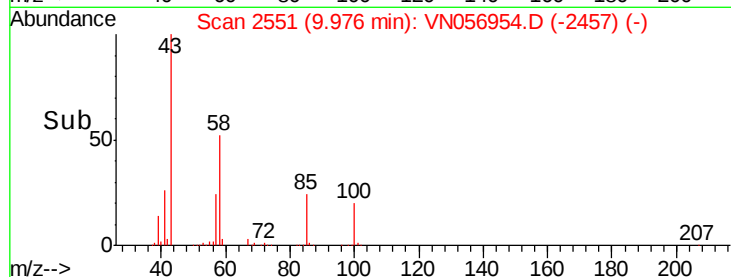
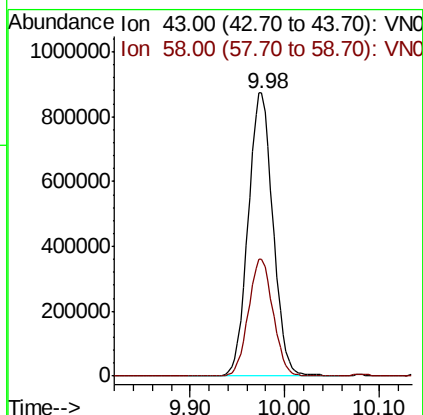
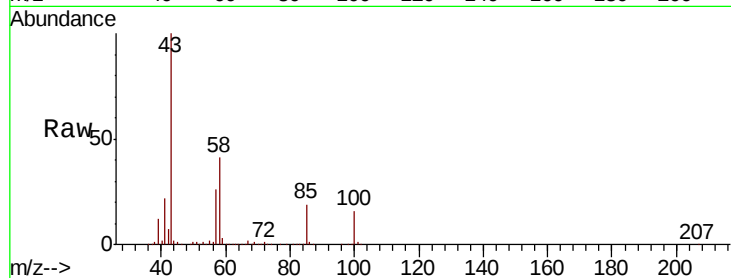




#51
 4-Methyl-2-Pentanone
 Concen: 263.842 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

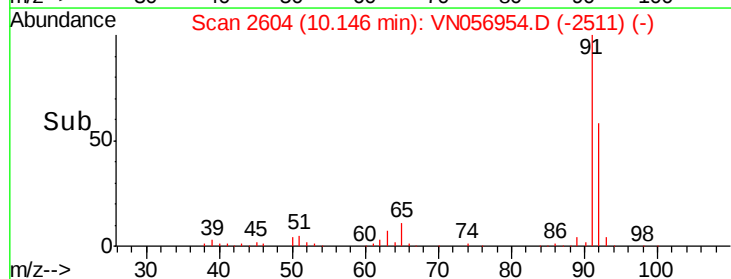
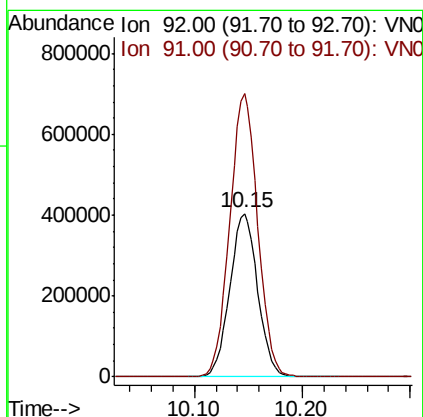
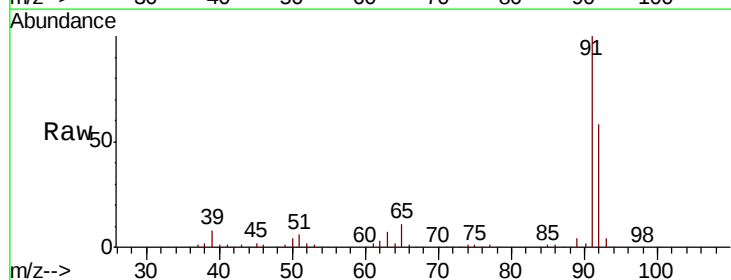
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

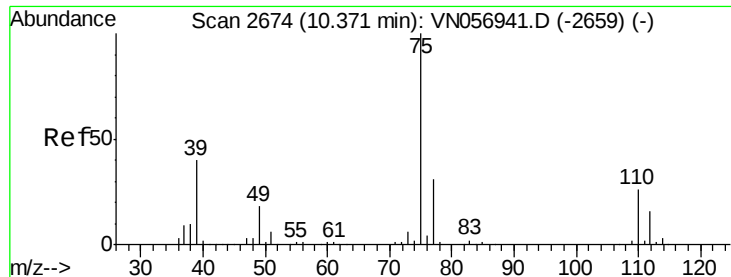
Tot Ion: 43 Resp: 1587302
 Ion Ratio Lower Upper
 43 100
 58 41.3 33.1 49.7



#52
 Toluene
 Concen: 51.320 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 92 Resp: 726406
 Ion Ratio Lower Upper
 92 100
 91 174.4 138.0 207.0

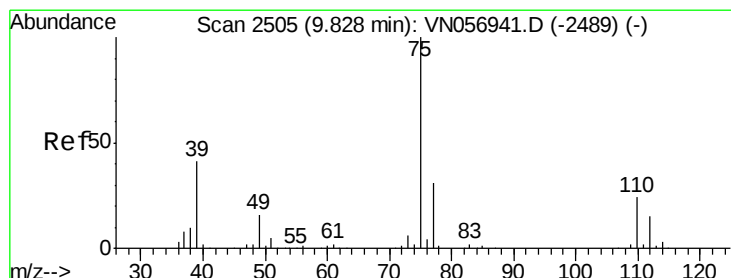
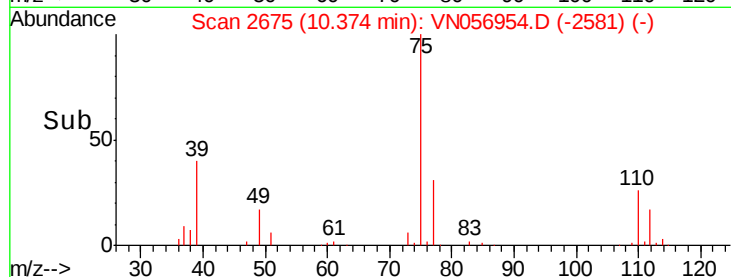
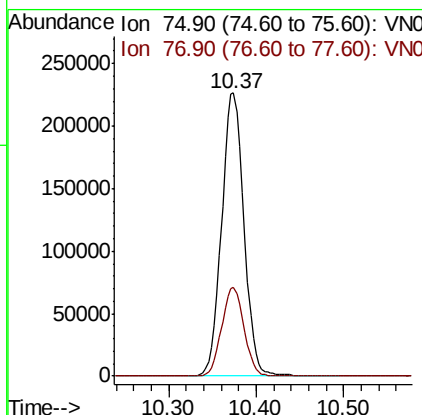
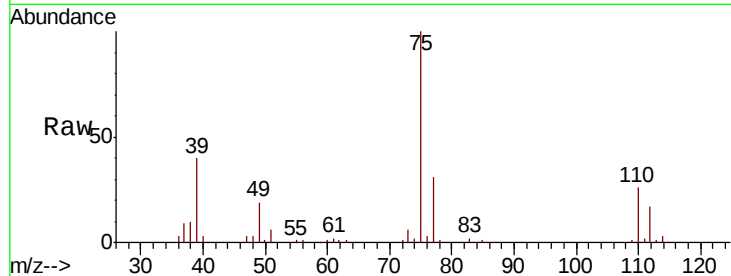




#53
 t-1,3-Dichloropropene
 Concen: 51.776 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

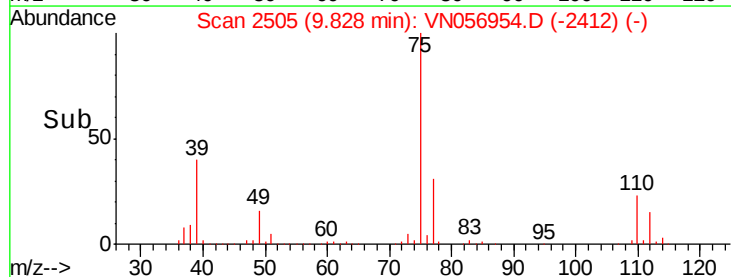
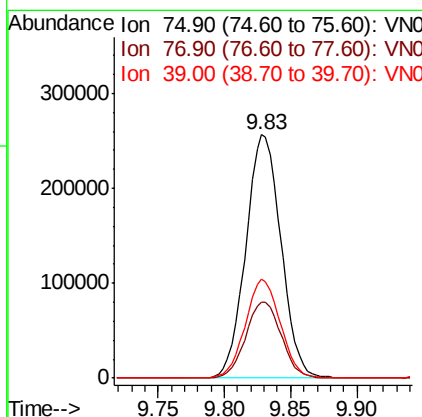
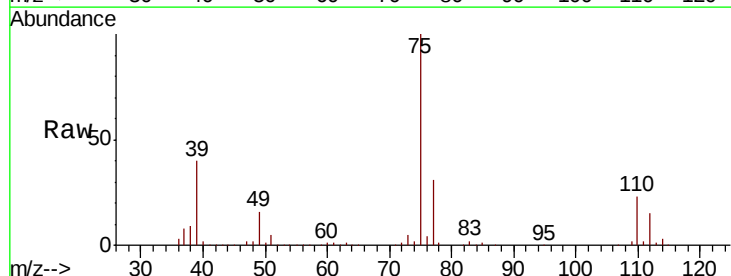
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

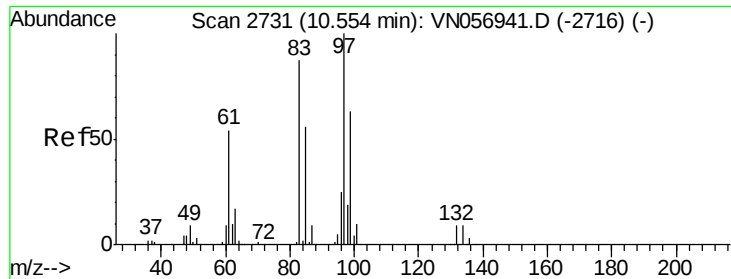
Tot Ion: 75 Resp: 401444
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 52.559 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 75 Resp: 473819
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6
 39 40.4 32.6 49.0

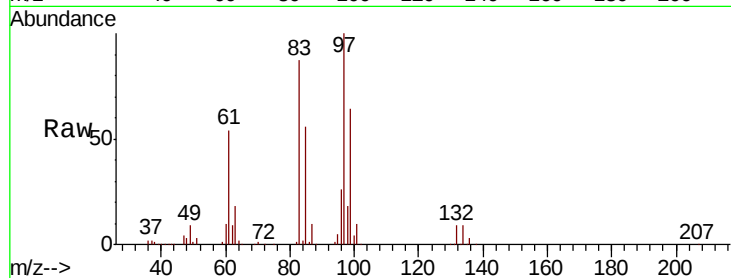




#55
 1,1,2-Trichloroethane
 Concen: 50.760 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	288134
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	56.2	44.7	67.1
99	63.8	50.1	75.1



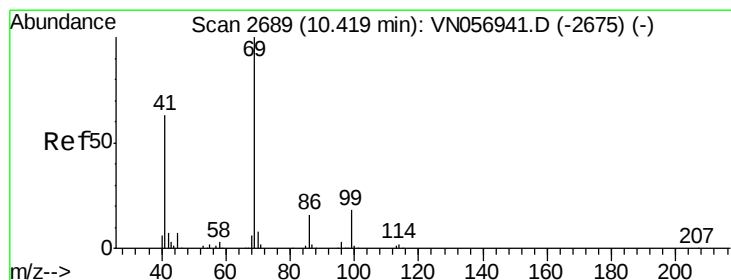
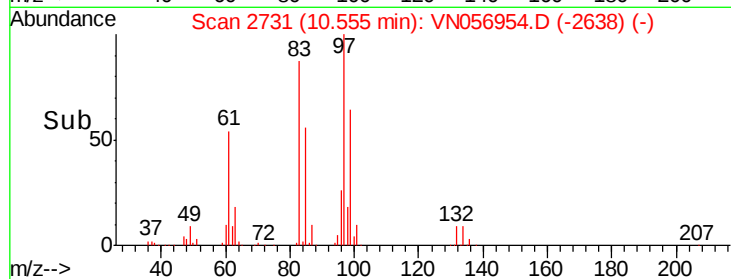
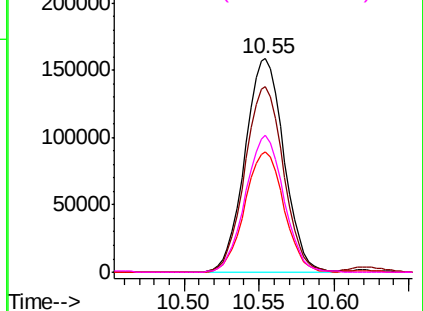
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

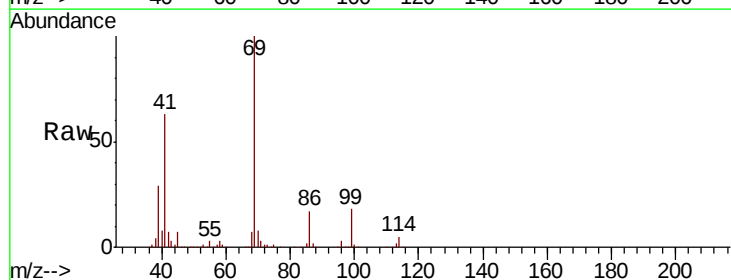
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 48.726 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion	69	Resp	417294
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.2	73.8
39	28.6	23.1	34.7

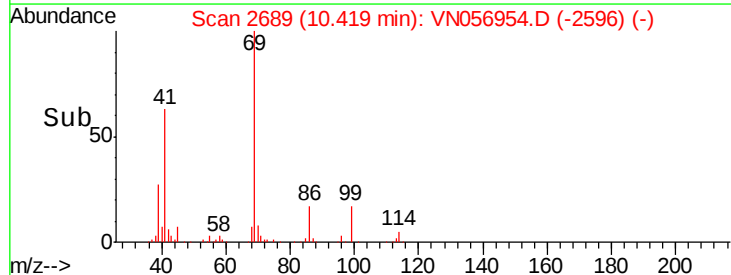
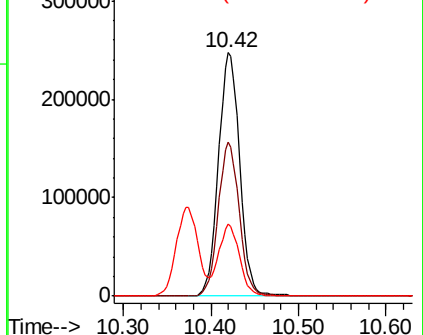


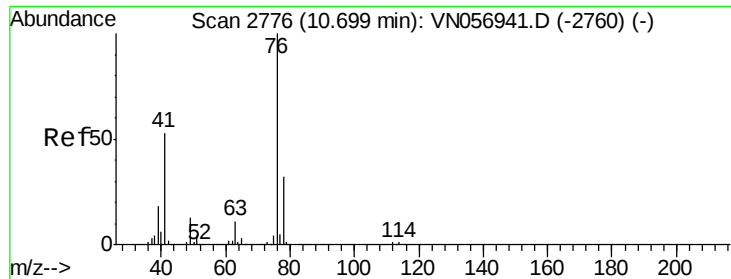
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

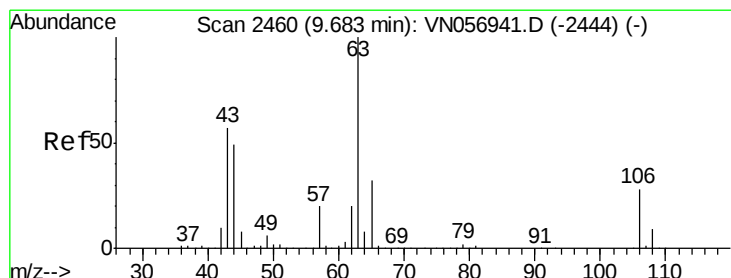
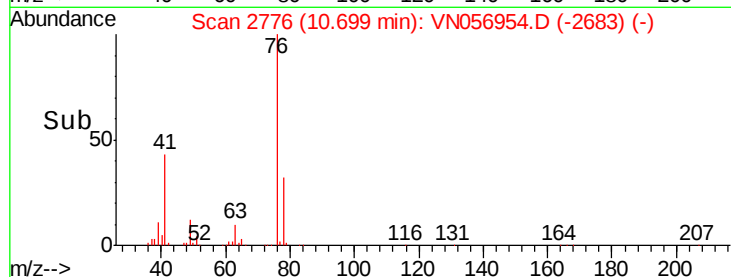
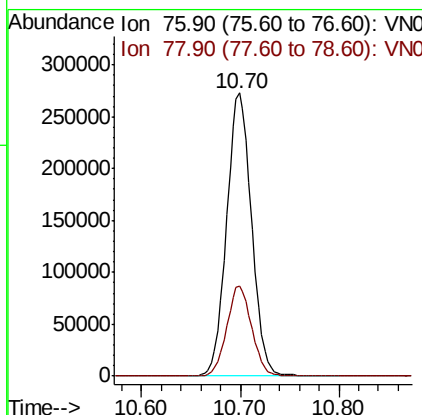
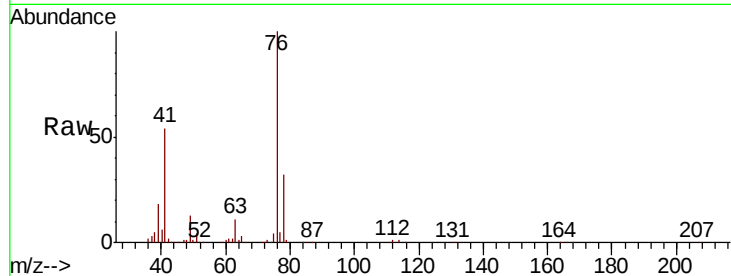




#57
 1,3-Dichloropropane
 Concen: 51.262 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

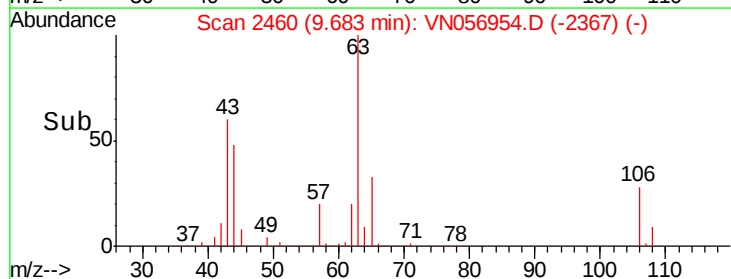
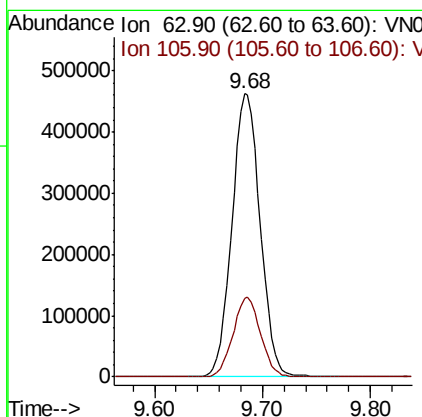
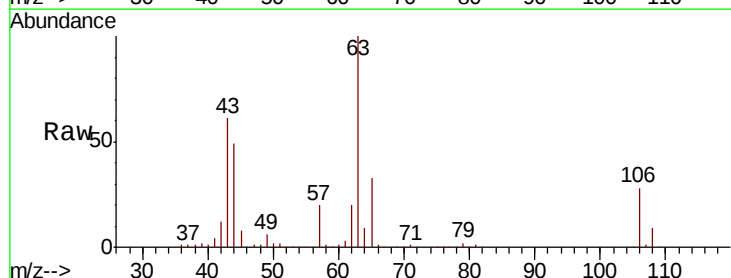
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

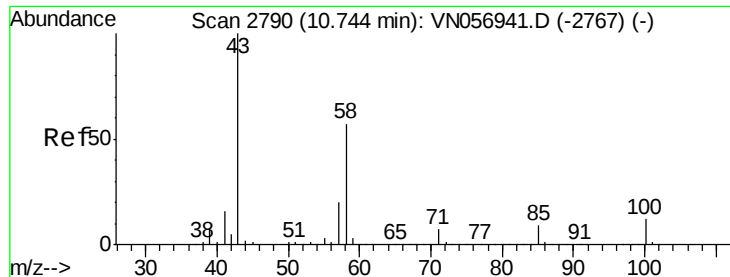
Tot Ion: 76 Resp: 482517
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.803 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 63 Resp: 842918
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.0 33.0

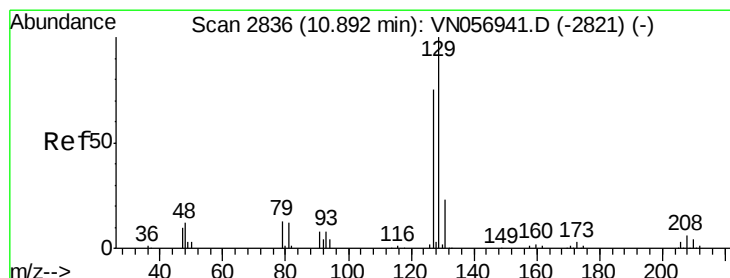
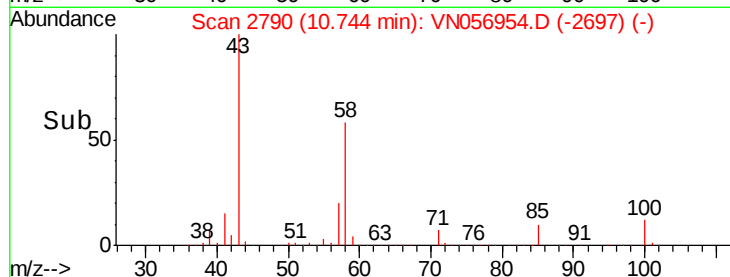
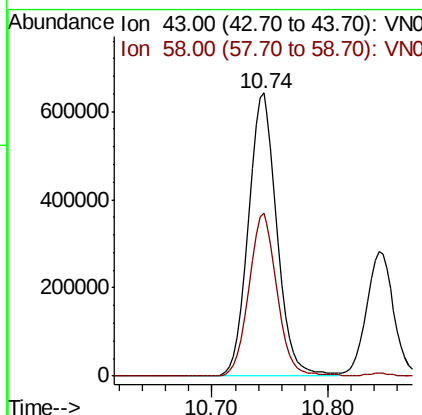
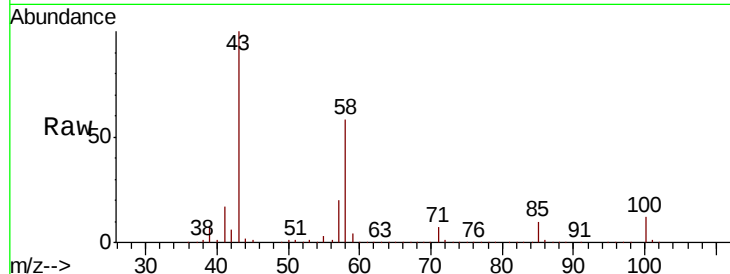




#59
2-Hexanone
Concen: 237.755 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

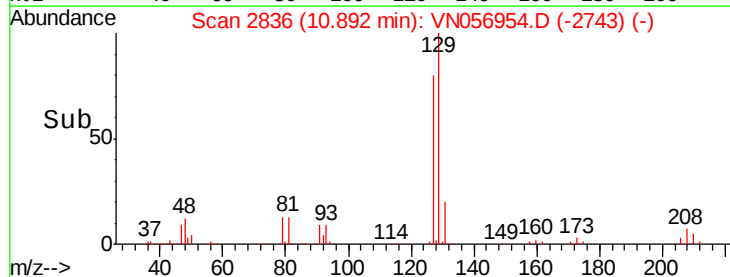
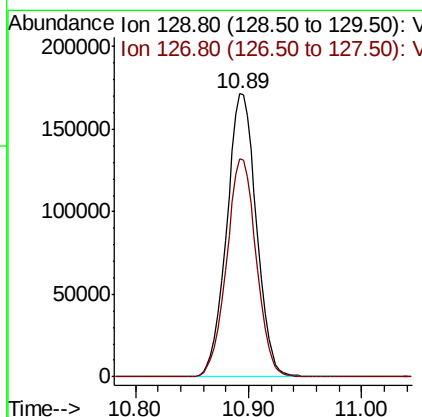
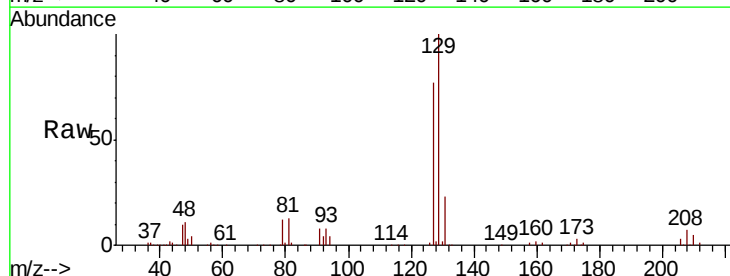
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

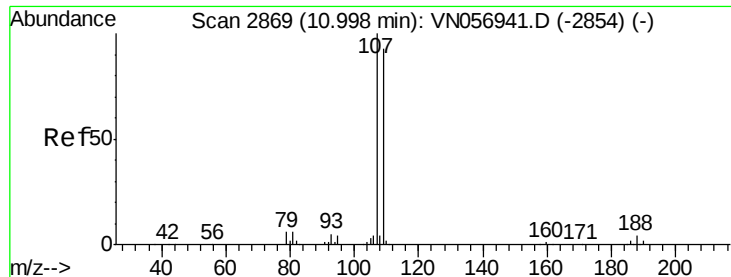
Tot Ion: 43 Resp: 1100943
Ion Ratio Lower Upper
43 100
58 57.0 28.5 85.5



#60
Dibromochloromethane
Concen: 53.810 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 129 Resp: 312933
Ion Ratio Lower Upper
129 100
127 76.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.846 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

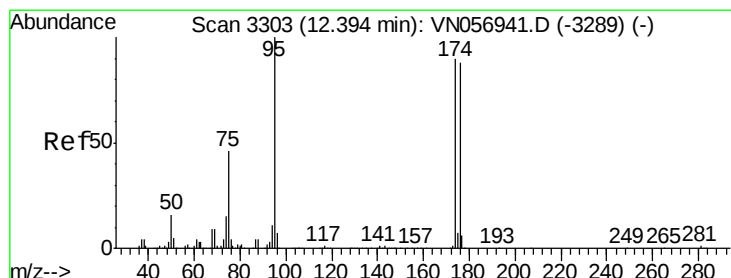
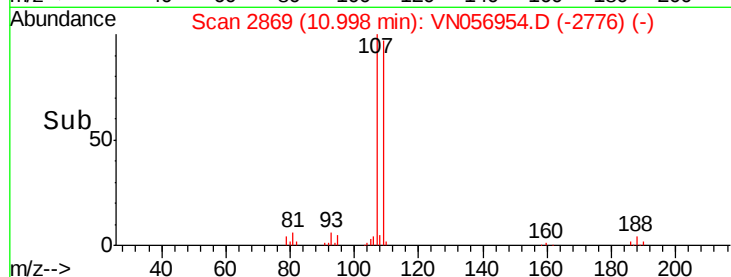
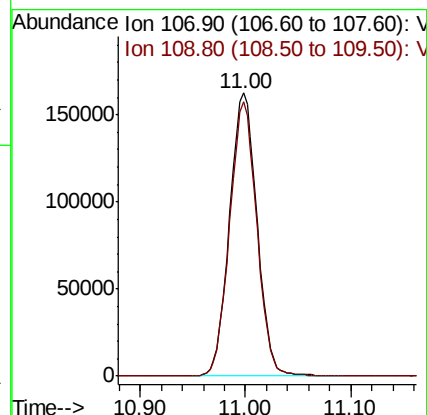
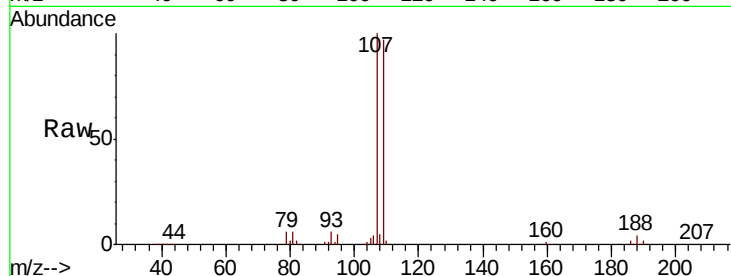
VSTDCCC050EC

Tot Ion: 107 Resp: 292741

Ion Ratio Lower Upper

107 100

109 95.8 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 52.339 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

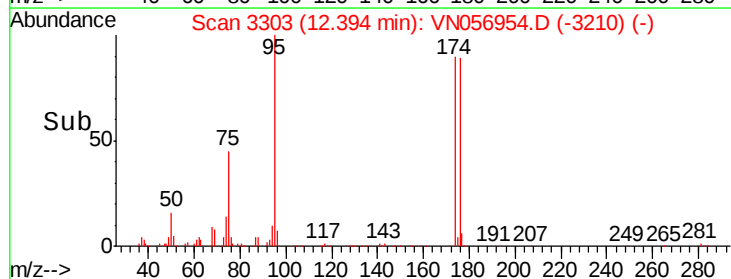
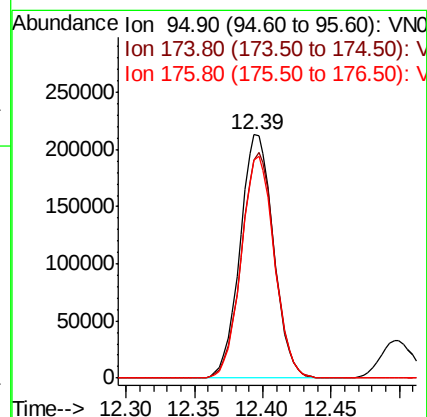
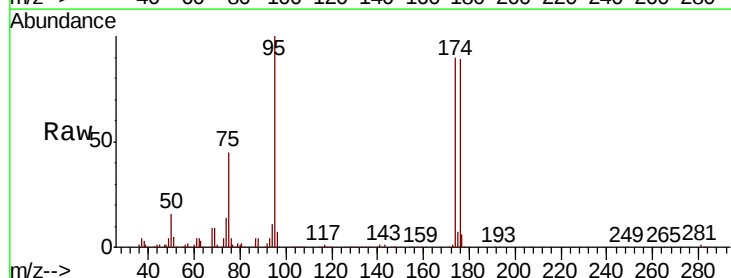
Tgt Ion: 95 Resp: 361579

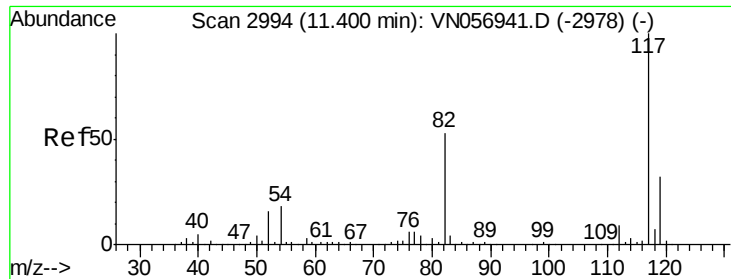
Ion Ratio Lower Upper

95 100

174 92.2 0.0 182.2

176 90.2 0.0 179.4

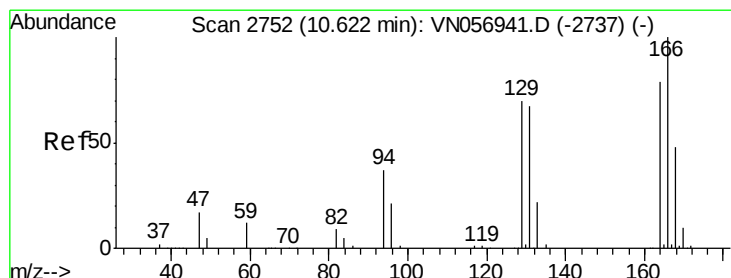
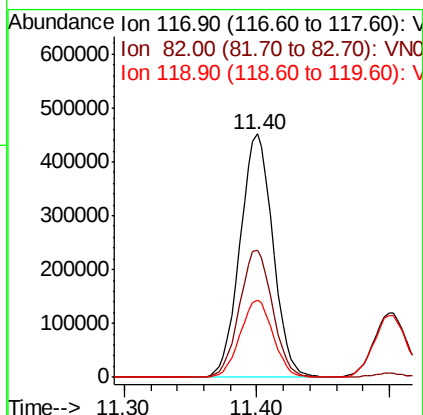
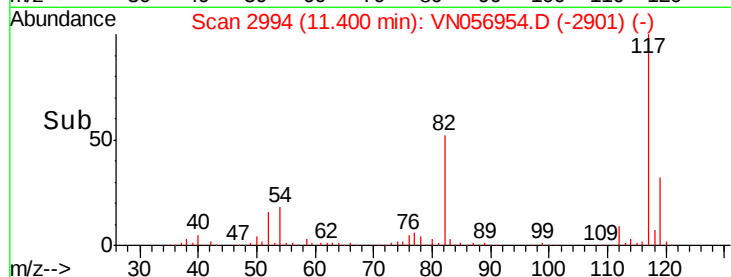
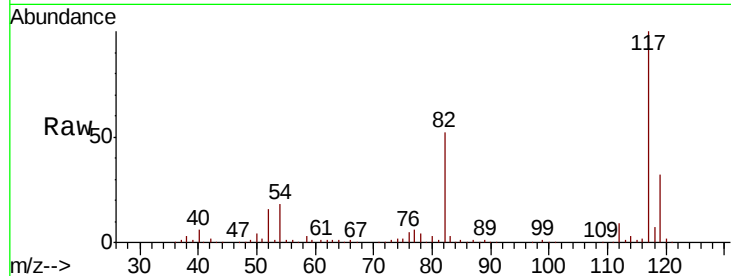




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

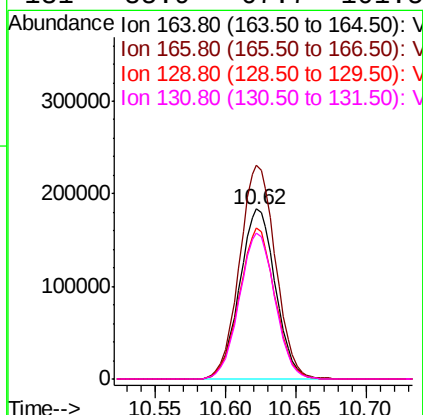
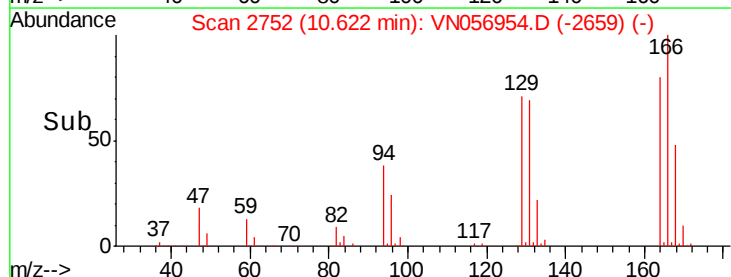
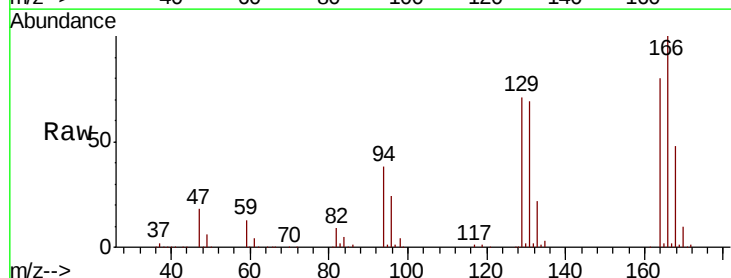
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

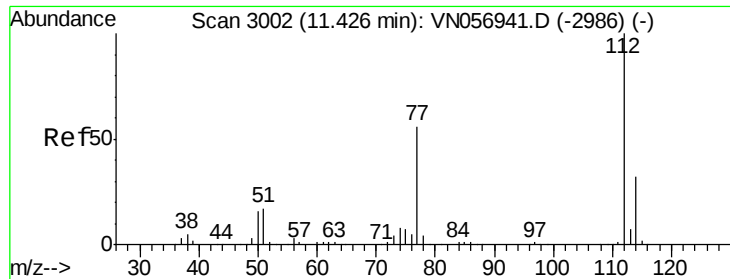
Tot Ion:117 Resp: 777066
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 31.9 25.8 38.6



#64
Tetrachloroethene
Concen: 48.675 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion:164 Resp: 325942
Ion Ratio Lower Upper
164 100
166 125.5 101.1 151.7
129 88.6 70.9 106.3
131 85.9 67.7 101.5

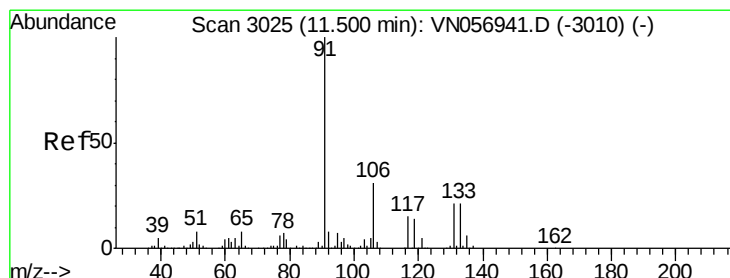
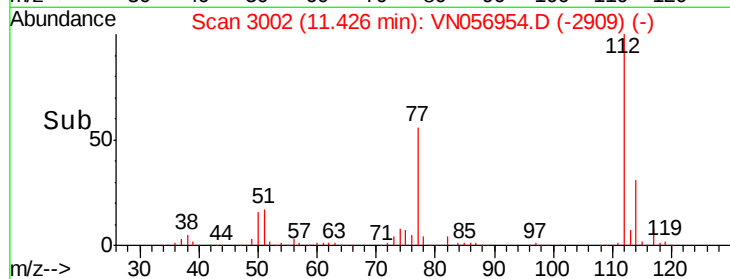
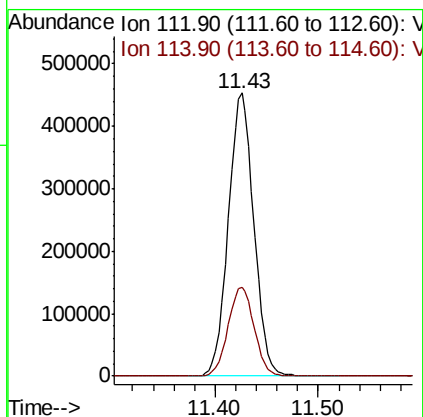
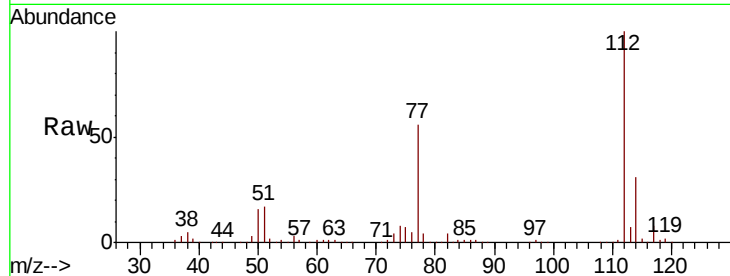




#65
Chlorobenzene
Concen: 49.293 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

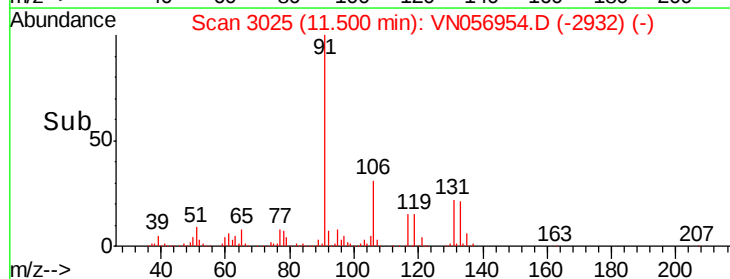
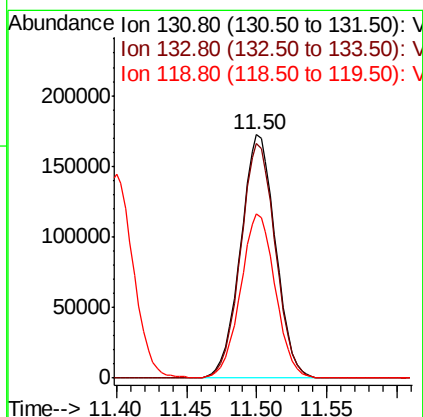
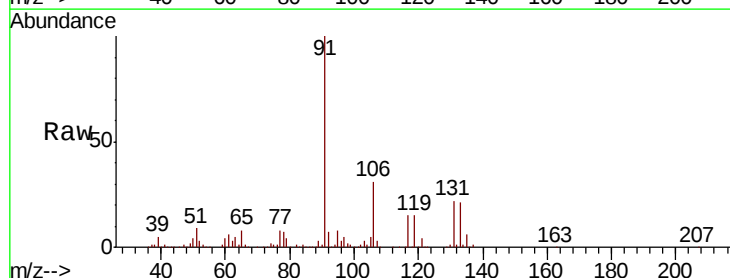
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

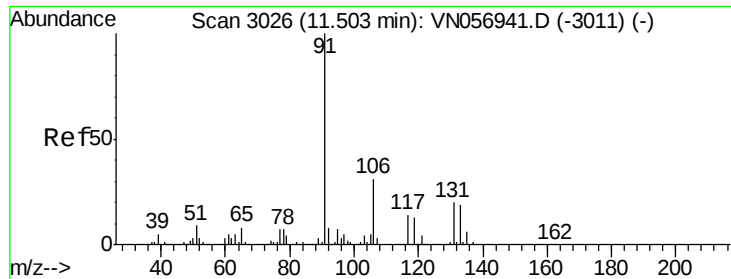
Tot Ion:112 Resp: 780691
Ion Ratio Lower Upper
112 100
114 31.4 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.999 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion:131 Resp: 298045
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 67.1 33.2 99.6

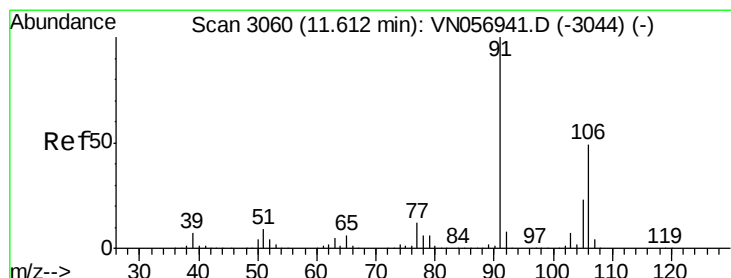
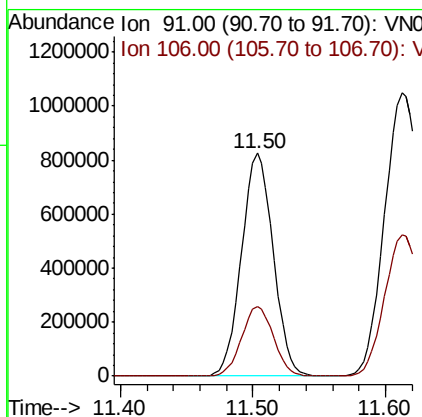
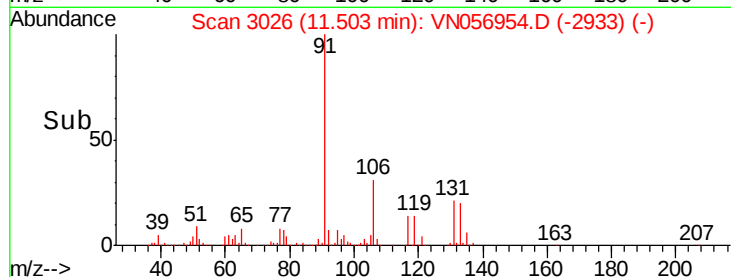
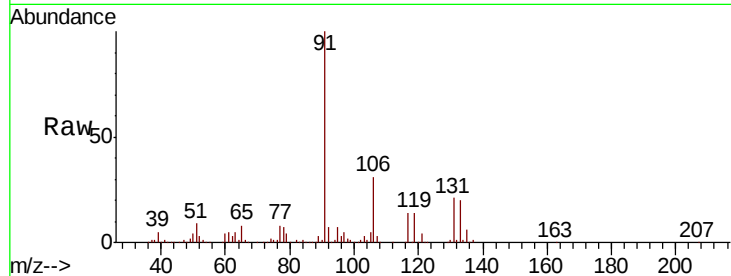




#67
Ethyl Benzene
Concen: 50.129 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

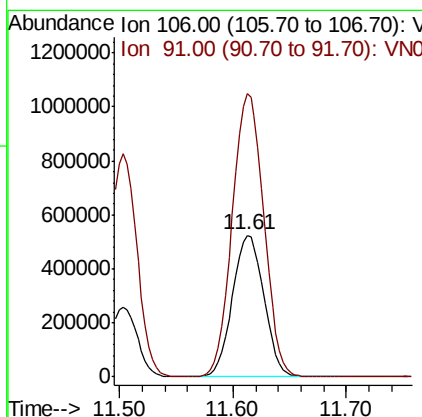
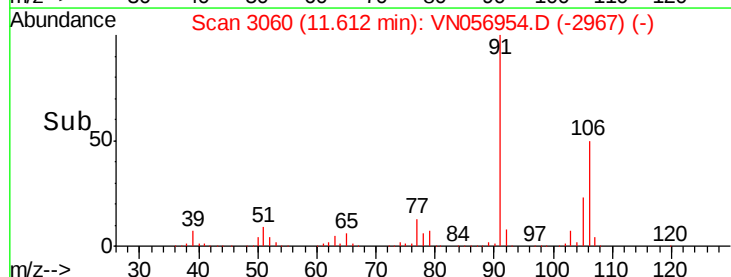
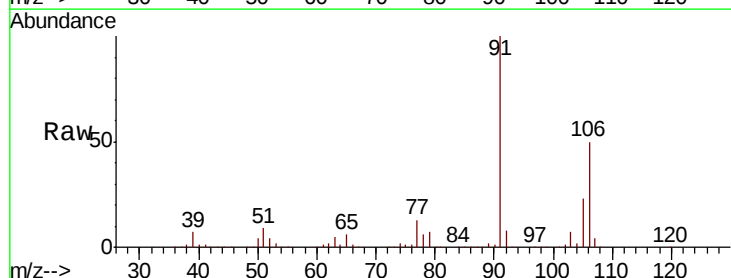
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

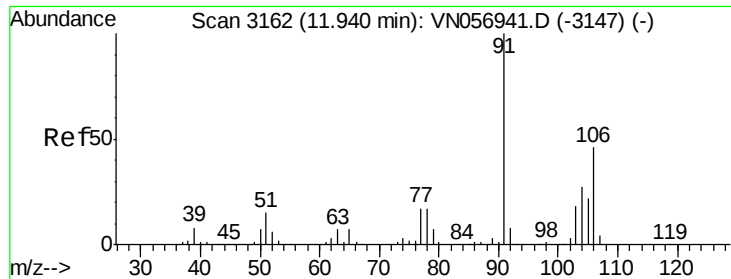
Tot Ion: 91 Resp: 1372141
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



#68
m/p-Xylenes
Concen: 100.870 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion: 106 Resp: 1018985
Ion Ratio Lower Upper
106 100
91 200.1 160.0 240.0

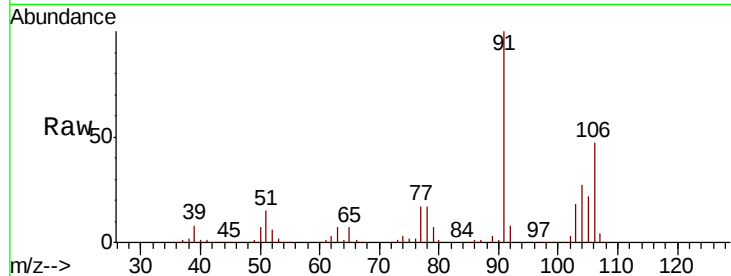




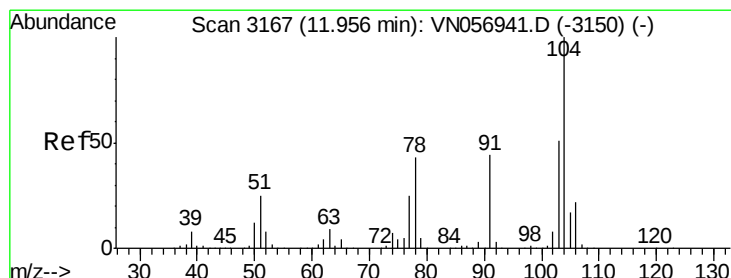
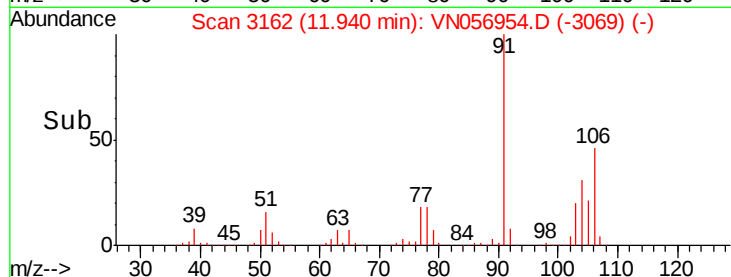
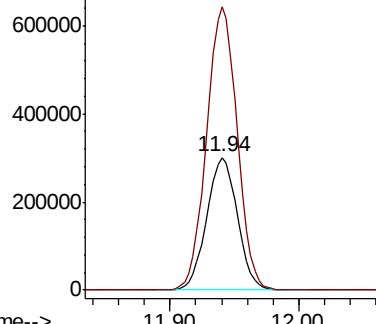
#69
o-Xylene
Concen: 50.198 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 496119
Ion Ratio Lower Upper
106 100
91 213.3 106.2 318.6

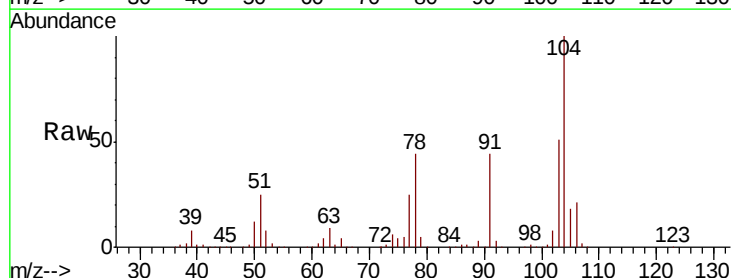


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

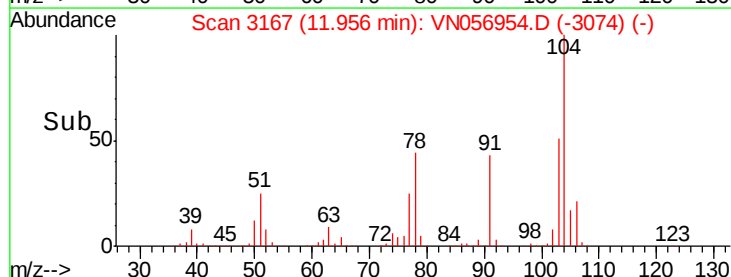
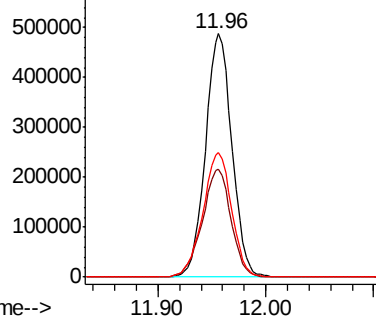


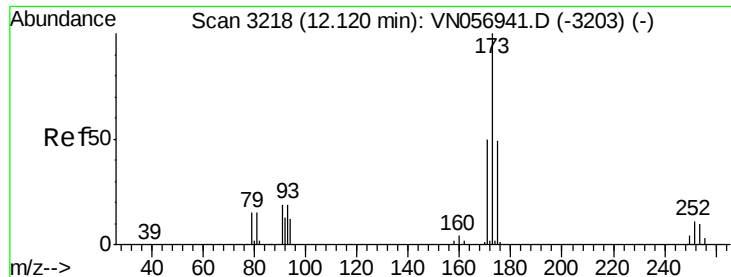
#70
Styrene
Concen: 47.875 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056954.D
Acq: 26 Jul 2019 20:32

Tgt Ion:104 Resp: 834878
Ion Ratio Lower Upper
104 100
78 47.9 38.1 57.1
103 55.7 44.3 66.5



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: 53.499 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

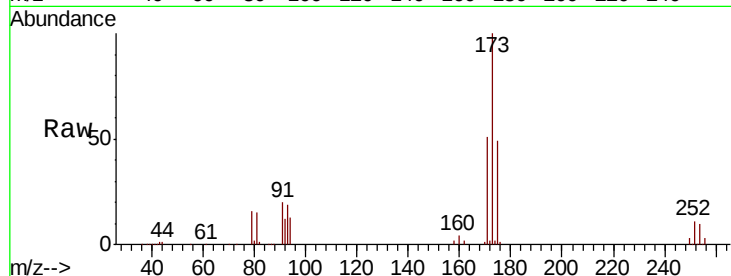
Tot Ion:173 Resp: 222652

Ion Ratio Lower Upper

173 100

175 47.9 24.1 72.4

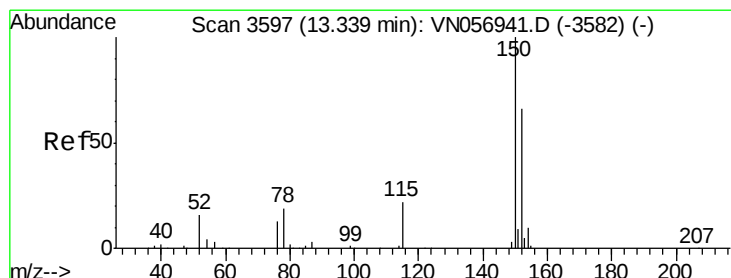
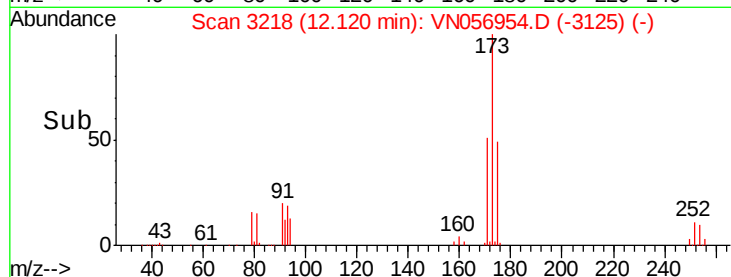
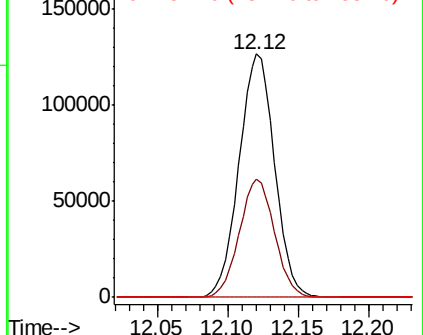
254 0.1 0.1 0.1



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# 3597

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

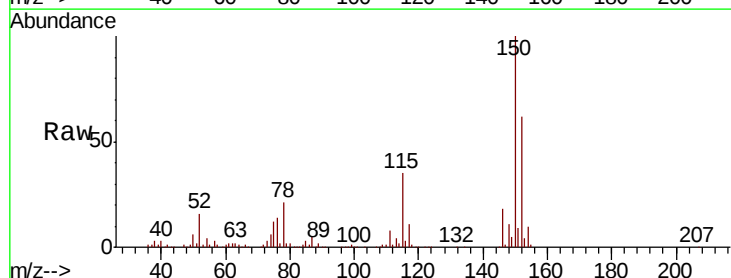
Tgt Ion:152 Resp: 329183

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.6

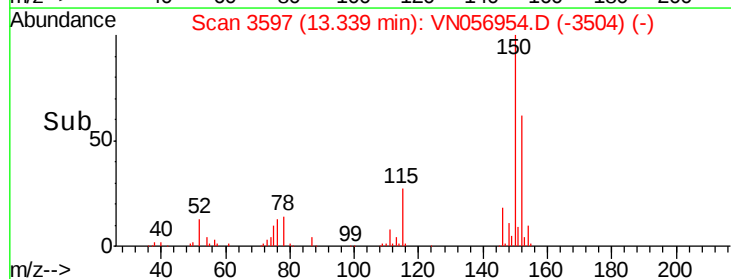
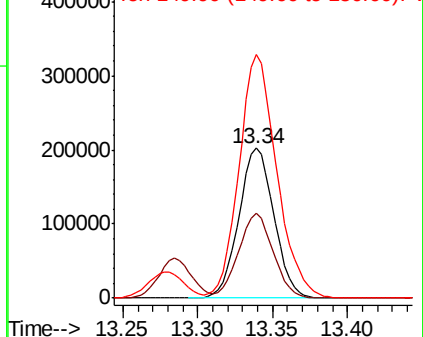
150 175.0 0.0 349.4

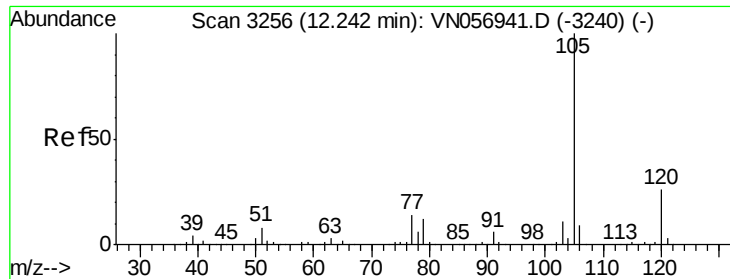


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.720 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

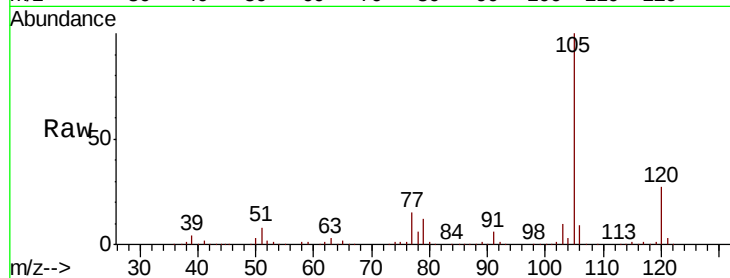
VSTDCCC050EC

Tot Ion:105 Resp: 1329167

Ion Ratio Lower Upper

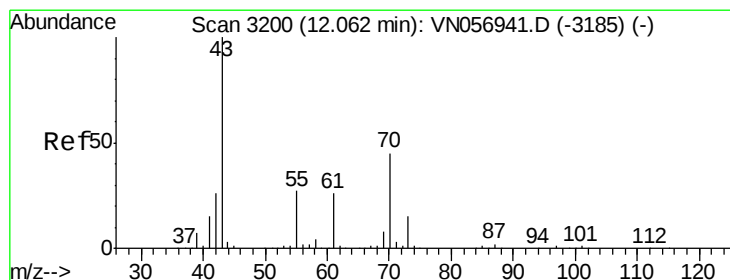
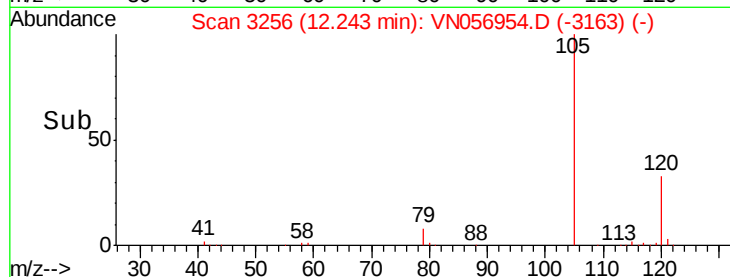
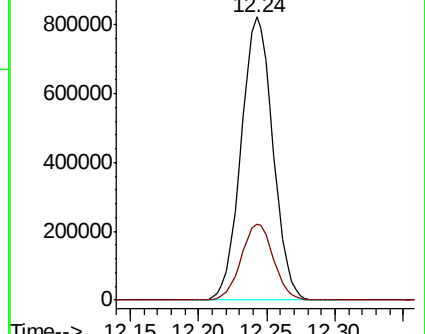
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.668 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Tgt Ion: 43 Resp: 418548

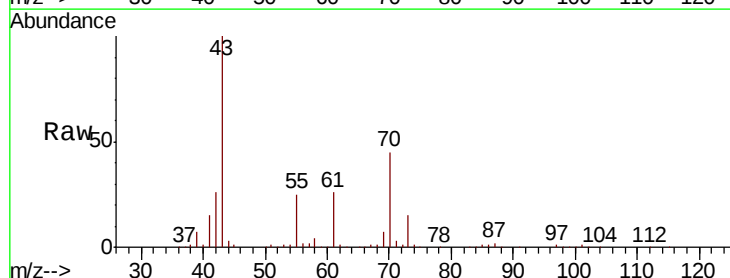
Ion Ratio Lower Upper

43 100

70 45.3 36.5 54.7

55 25.9 21.4 32.0

61 26.0 20.5 30.7

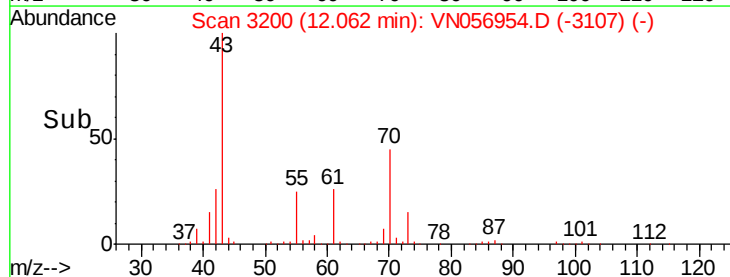
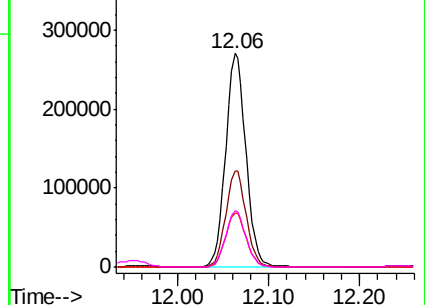


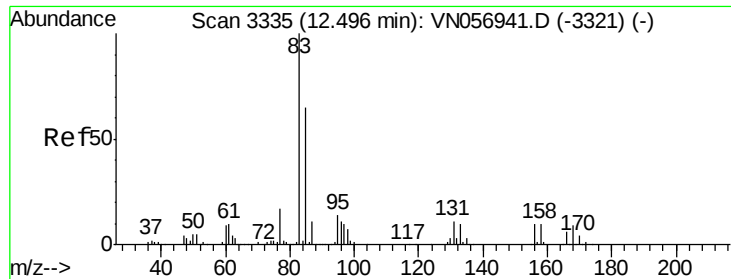
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.807 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

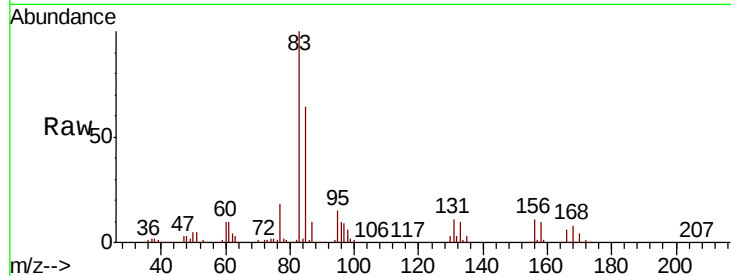
Tot Ion: 83 Resp: 378698

Ion Ratio Lower Upper

83 100

131 10.9 5.3 16.1

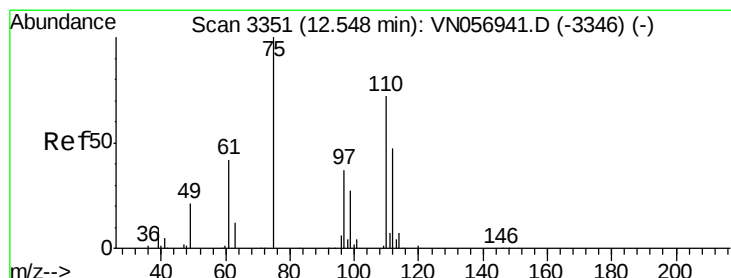
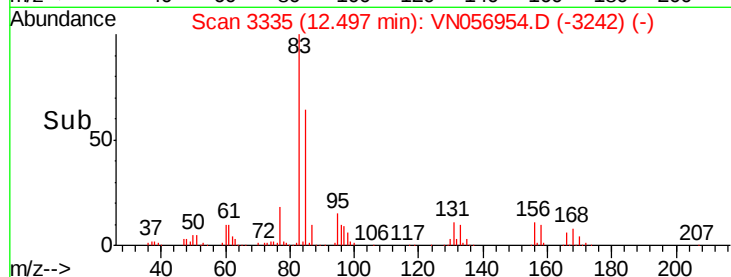
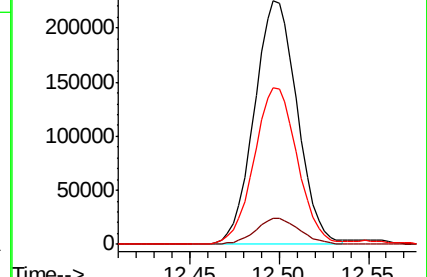
85 64.7 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 67.860 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN056954.D

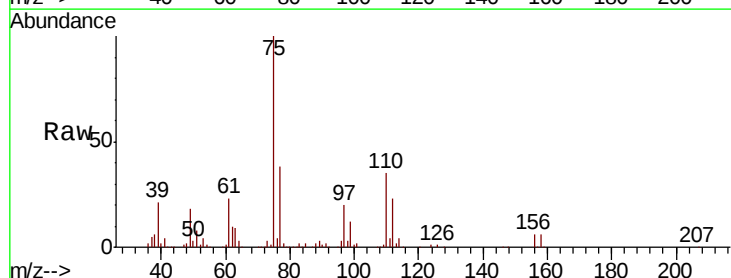
Acq: 26 Jul 2019 20:32

Tgt Ion: 75 Resp: 453653

Ion Ratio Lower Upper

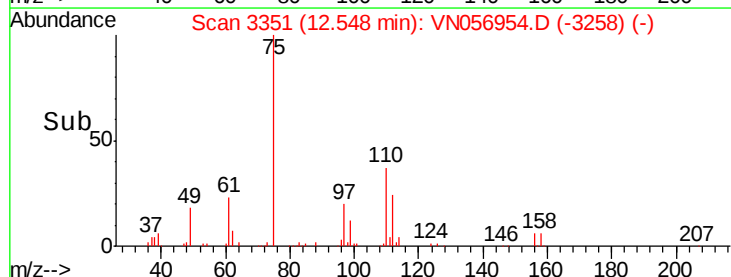
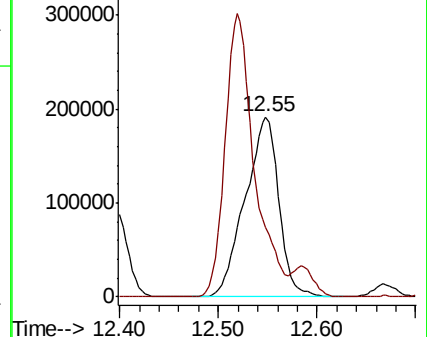
75 100

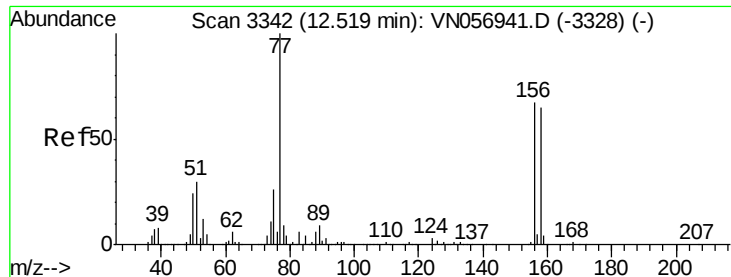
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.197 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

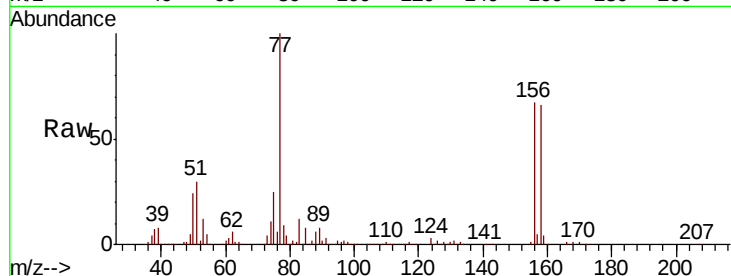
Tot Ion:156 Resp: 350441

Ion Ratio Lower Upper

156 100

77 178.8 89.5 268.5

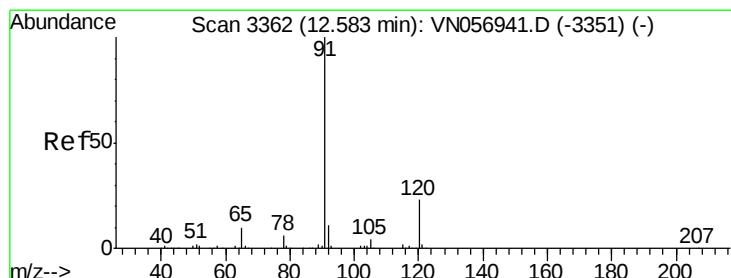
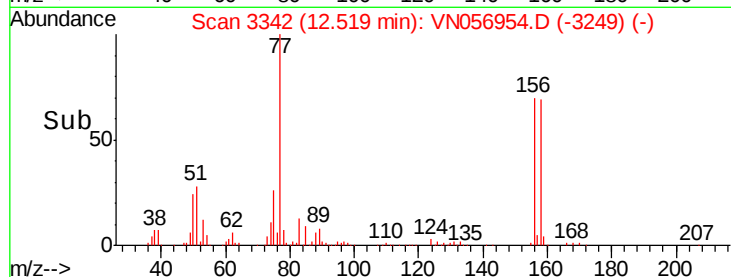
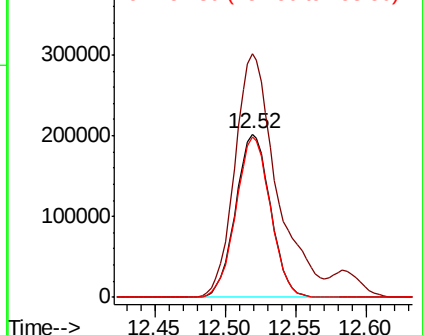
158 97.3 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.602 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN056954.D

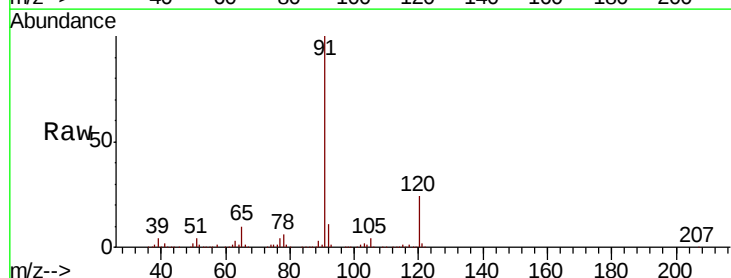
Acq: 26 Jul 2019 20:32

Tgt Ion: 91 Resp: 1445982

Ion Ratio Lower Upper

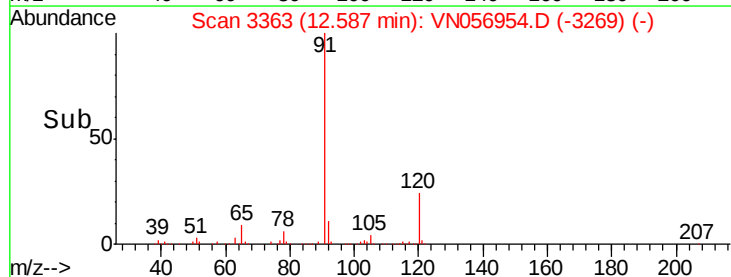
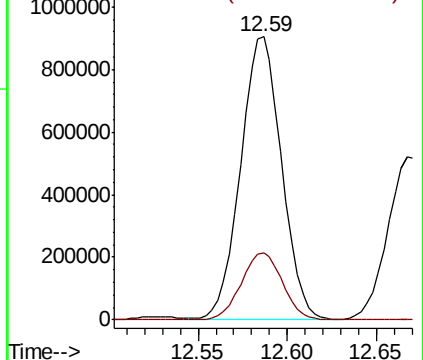
91 100

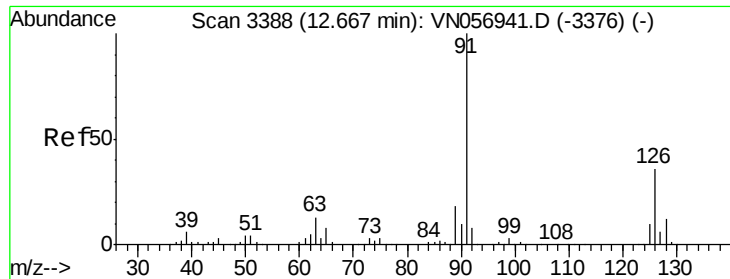
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.404 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

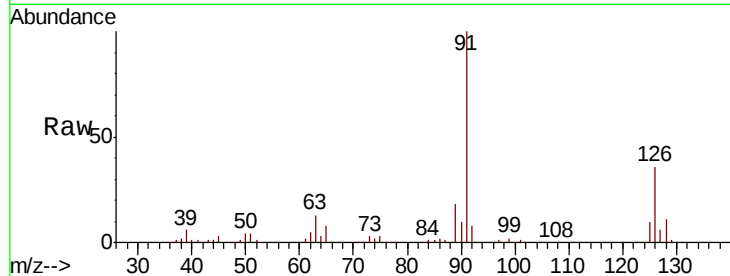
VSTDCCC050EC

Tot Ion: 91 Resp: 867976

Ion Ratio Lower Upper

91 100

126 35.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)

800000

600000

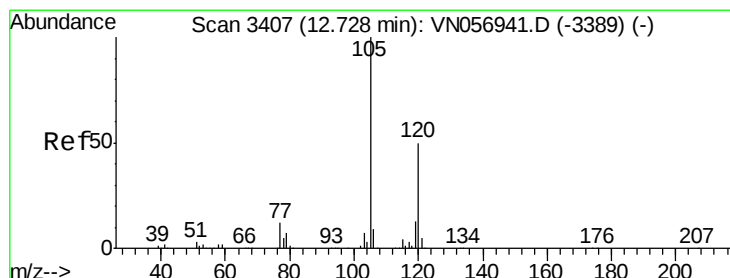
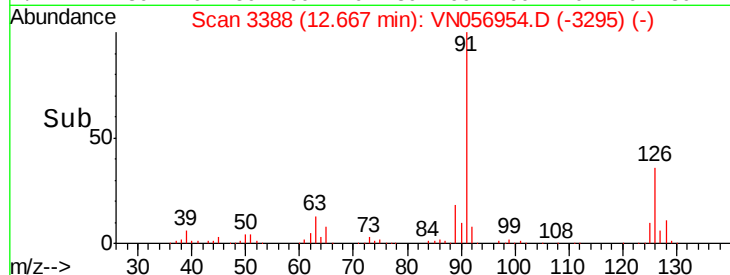
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.375 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN056954.D

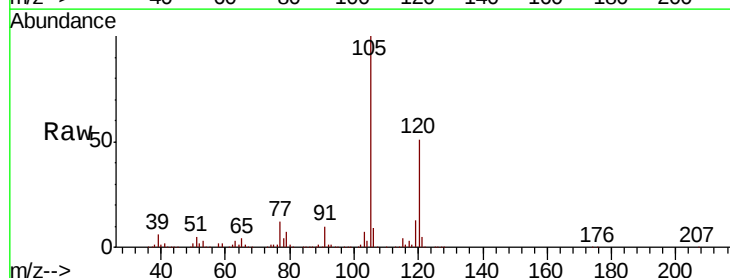
Acq: 26 Jul 2019 20:32

Tgt Ion: 105 Resp: 1106178

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)

800000

600000

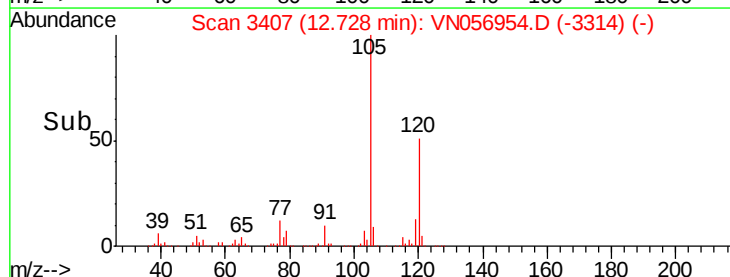
400000

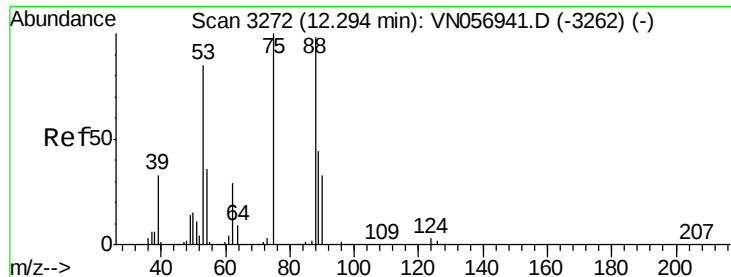
200000

0

12.70 12.73 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.764 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

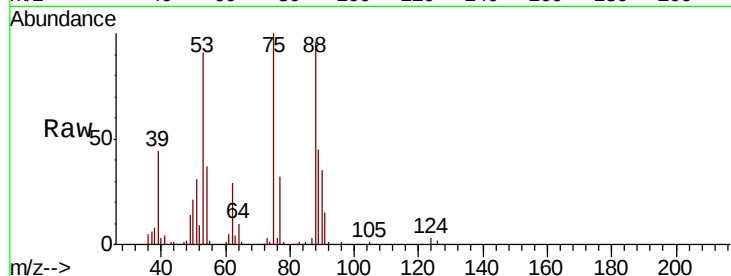
Tot Ion: 75 Resp: 103543

Ion Ratio Lower Upper

75 100

53 88.0 69.3 103.9

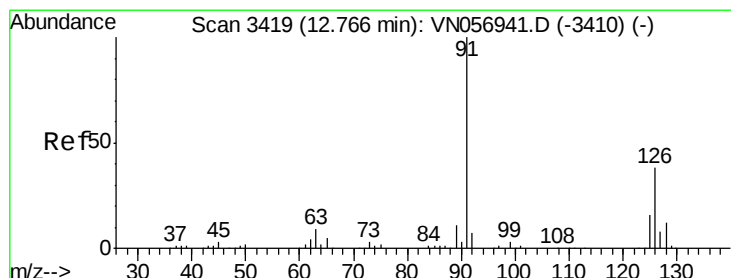
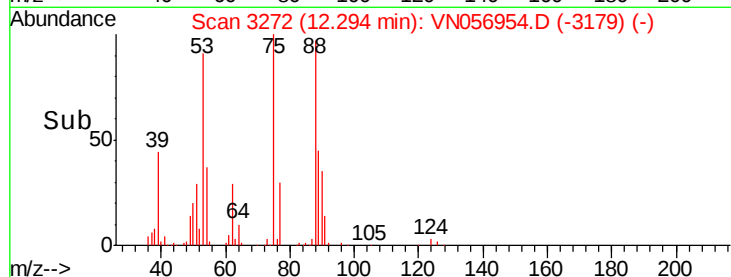
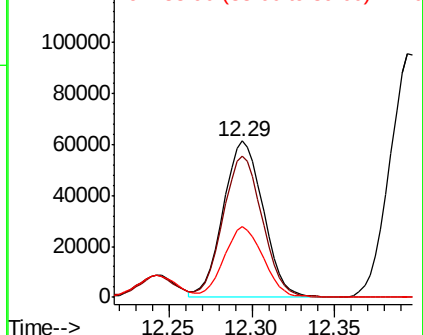
89 44.1 35.8 53.6



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: 47.807 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. 0.00 min

Lab File: VN056954.D

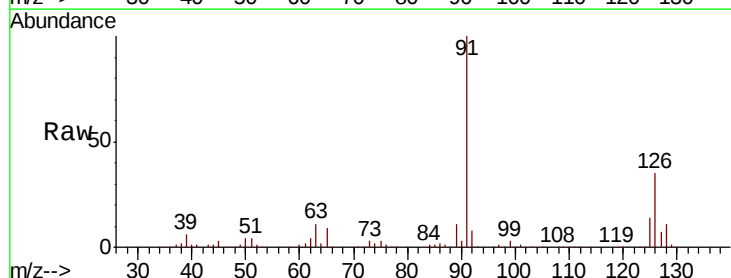
Acq: 26 Jul 2019 20:32

Tgt Ion: 91 Resp: 836818

Ion Ratio Lower Upper

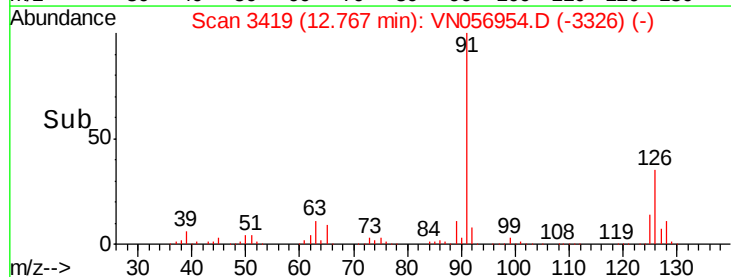
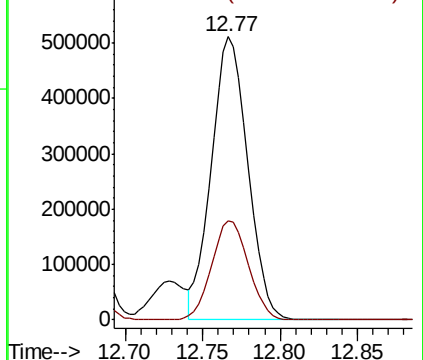
91 100

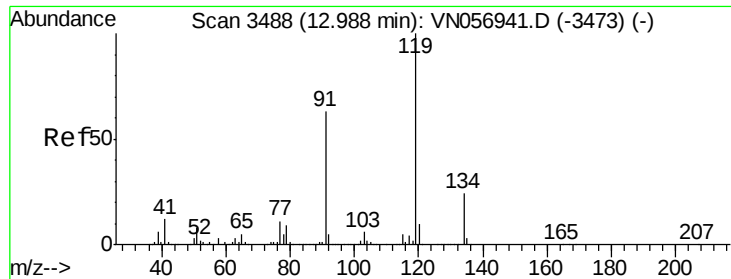
126 35.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

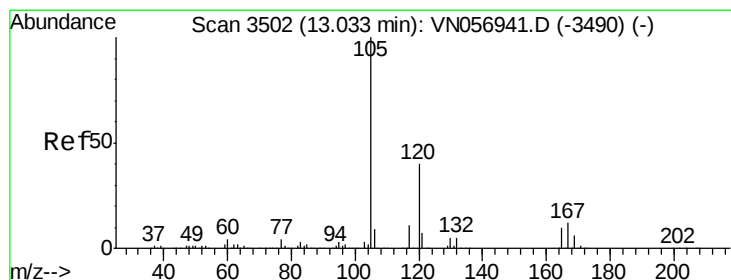
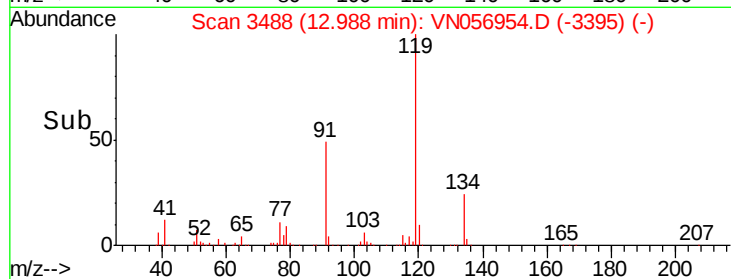
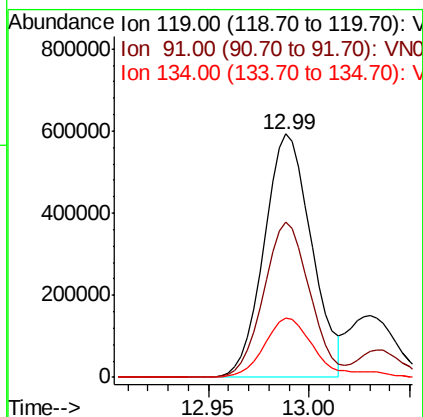
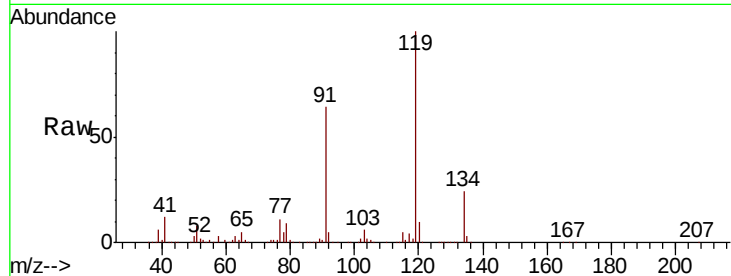




#83
 tert-Butylbenzene
 Concen: 46.895 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

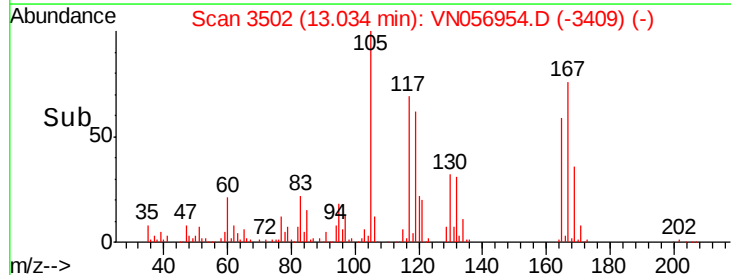
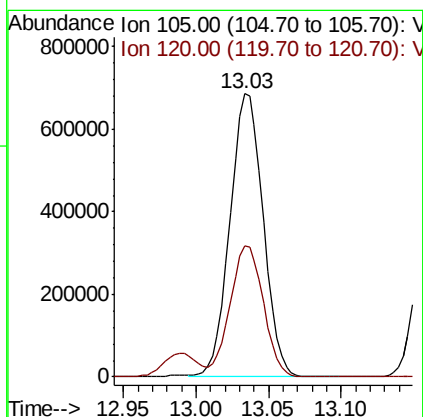
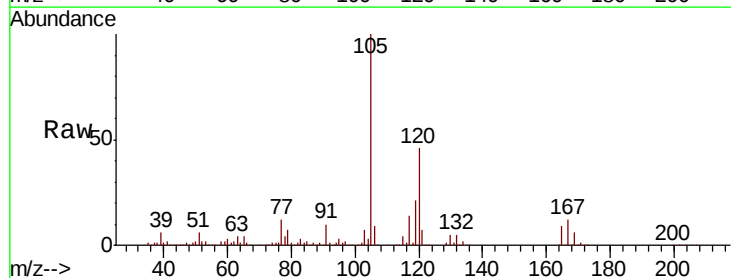
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

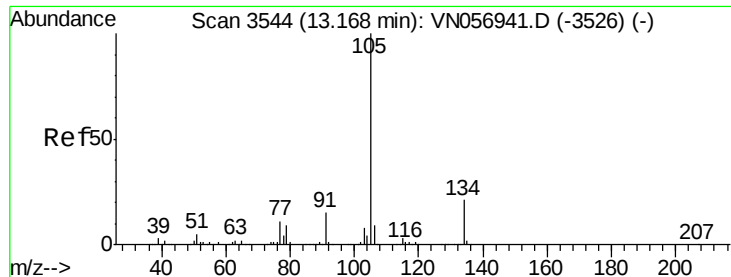
Tot Ion:119 Resp: 969315
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 26.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 48.526 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion:105 Resp: 1090229
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6

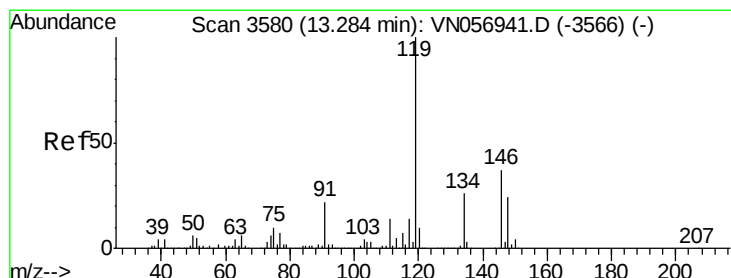
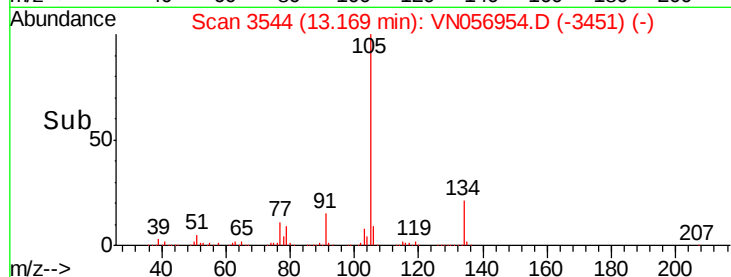
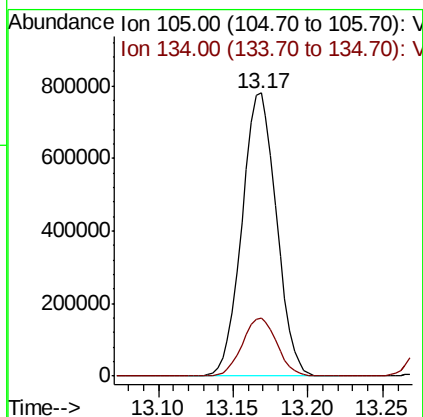
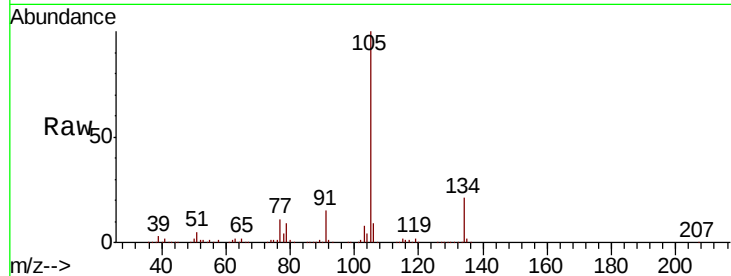




#85
 sec-Butylbenzene
 Concen: 46.961 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

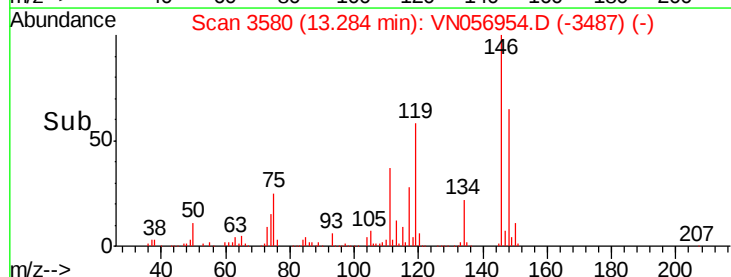
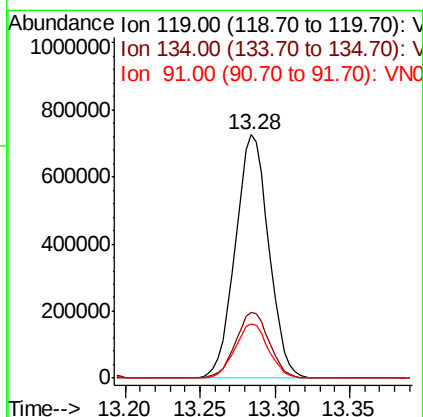
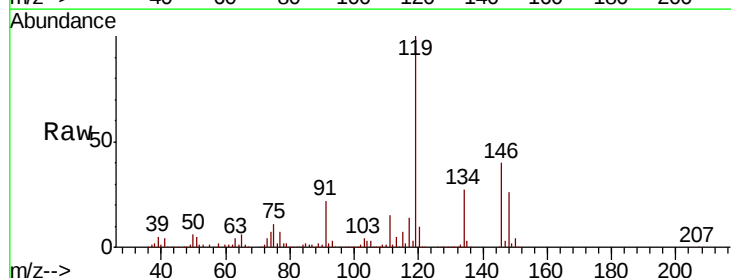
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

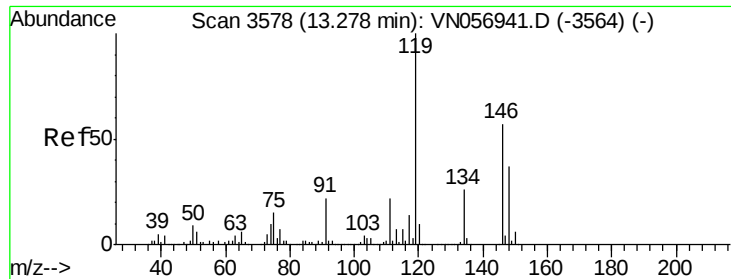
Tot Ion:105 Resp: 1252067
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 47.491 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion:119 Resp: 1124161
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 22.3 11.0 33.0

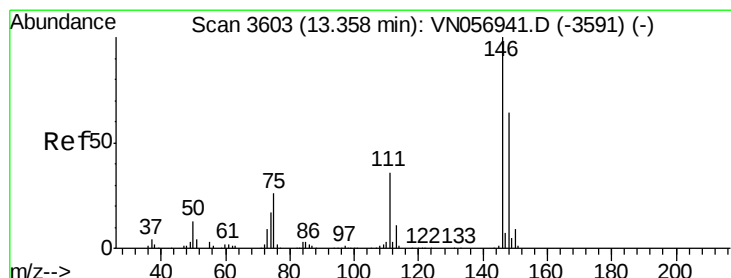
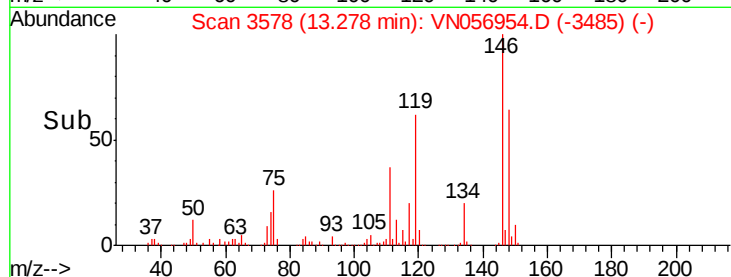
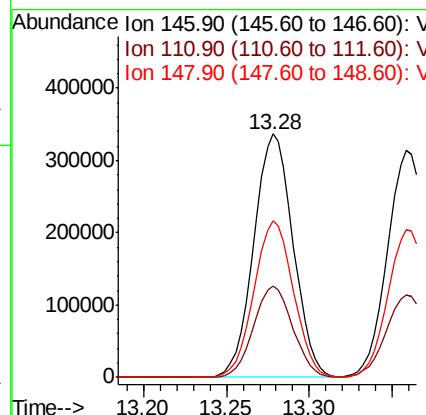
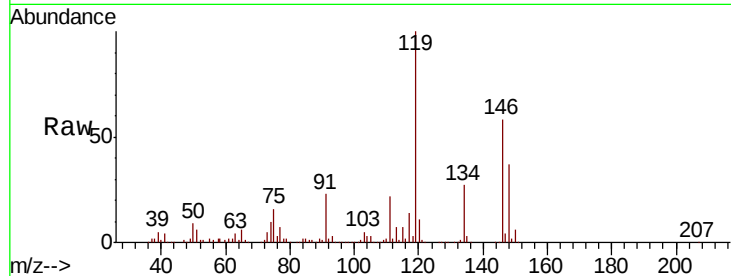




#87
 1,3-Dichlorobenzene
 Concen: 49.054 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

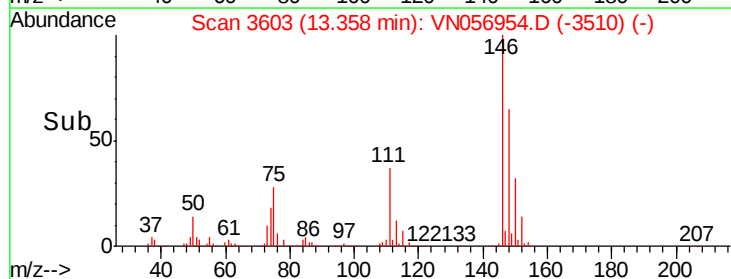
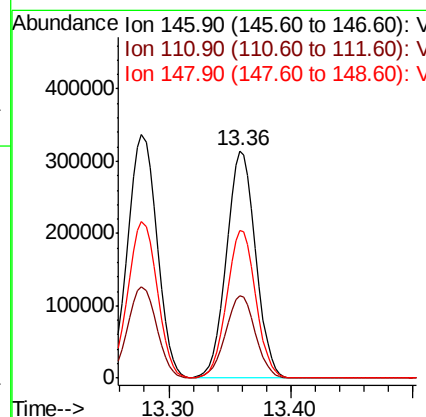
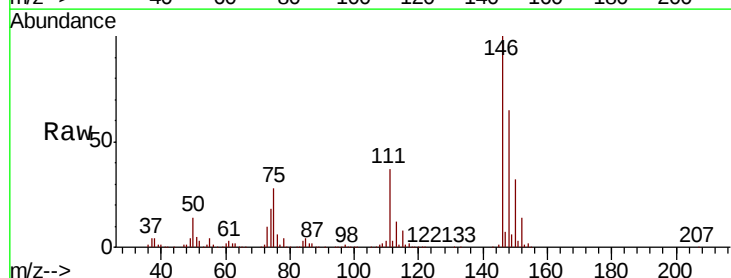
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

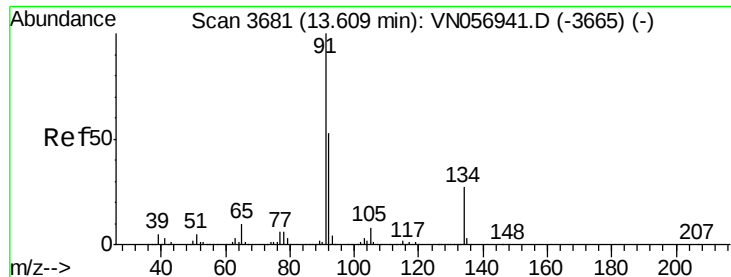
Tot Ion:146 Resp: 554042
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 64.5 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.510 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion:146 Resp: 527441
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.4 55.2
 148 64.7 32.3 96.9





#89

n-Butylbenzene

Concen: 49.376 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

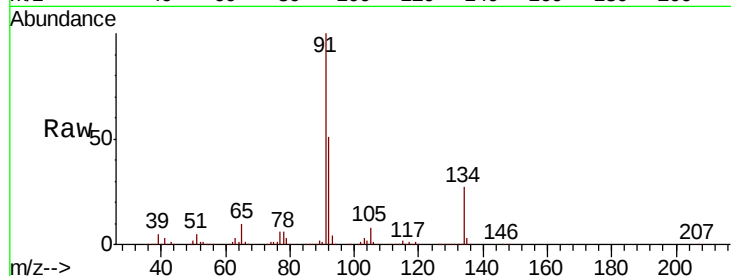
Tot Ion: 91 Resp: 900771

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.5

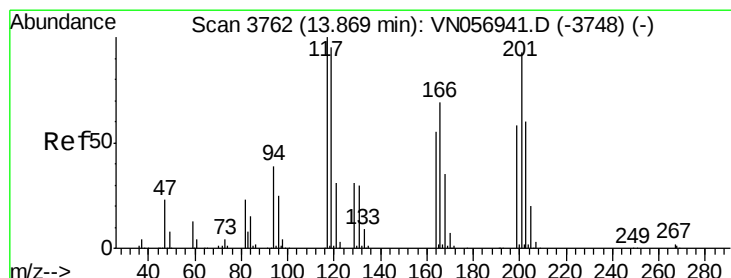
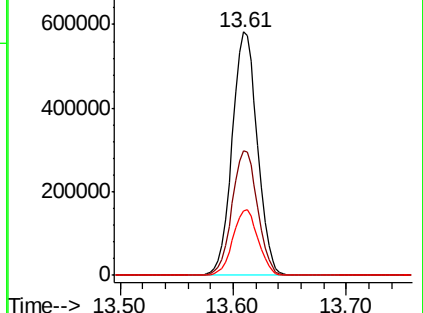
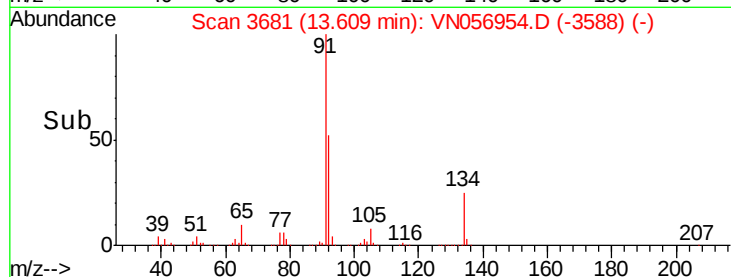
134 27.1 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN056941.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN056941.D (-3665) (-)



#90

Hexachloroethane

Concen: 47.937 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN056954.D

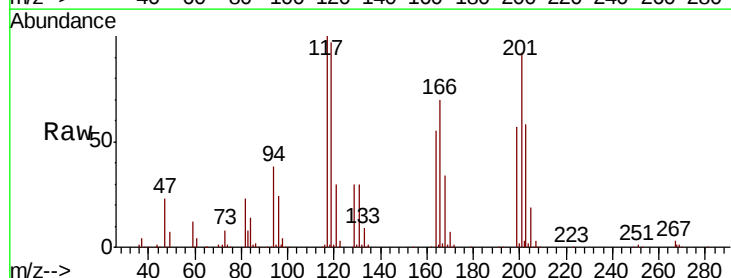
Acq: 26 Jul 2019 20:32

Tgt Ion: 117 Resp: 195387

Ion Ratio Lower Upper

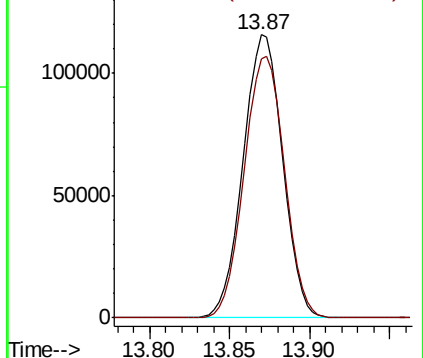
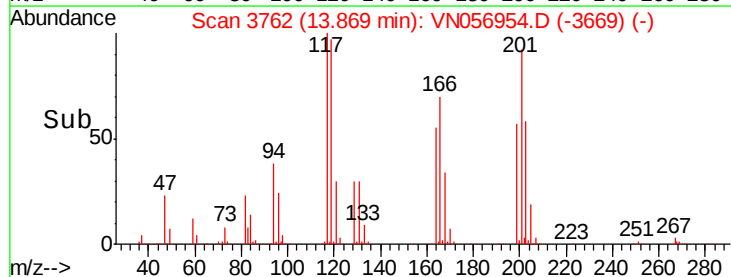
117 100

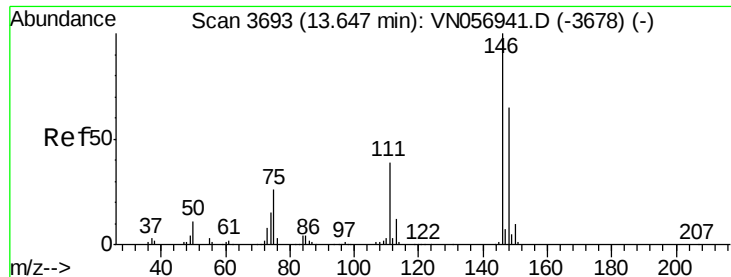
201 94.1 47.0 141.2



Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN056941.D (-3748) (-)

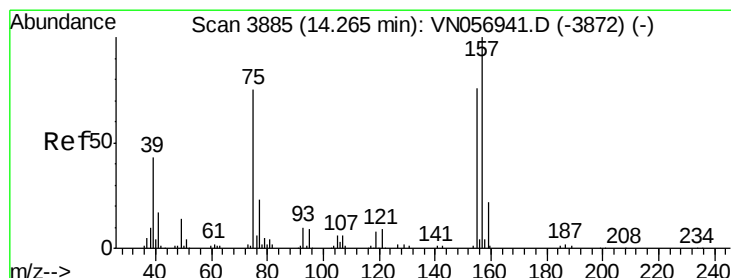
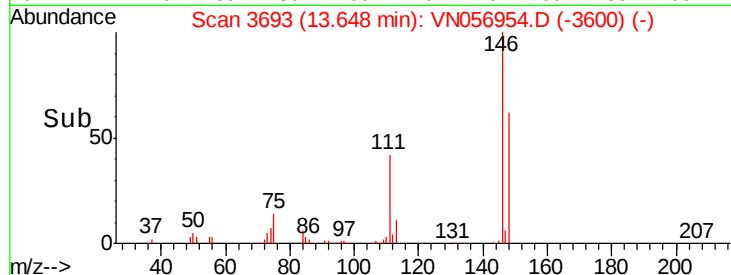
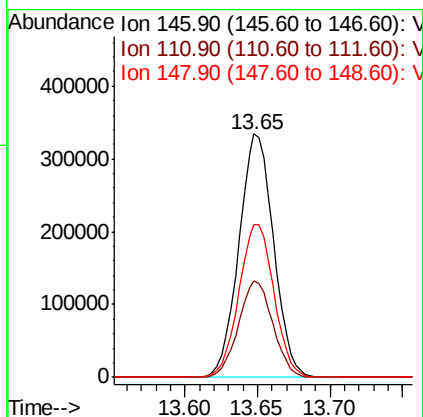
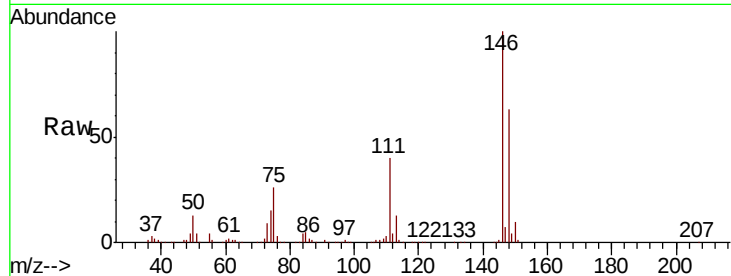




#91
 1,2-Dichlorobenzene
 Concen: 49.900 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

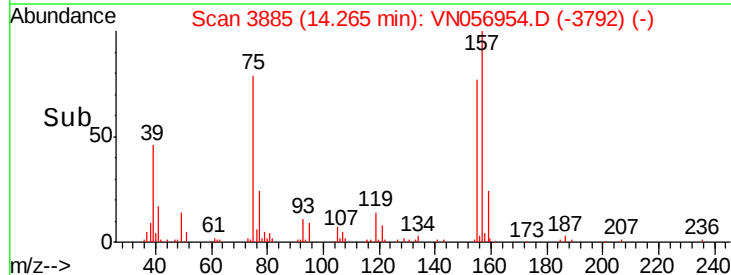
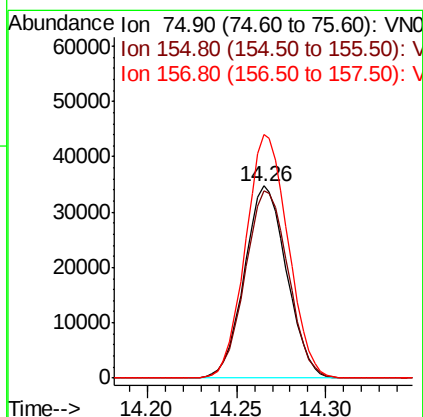
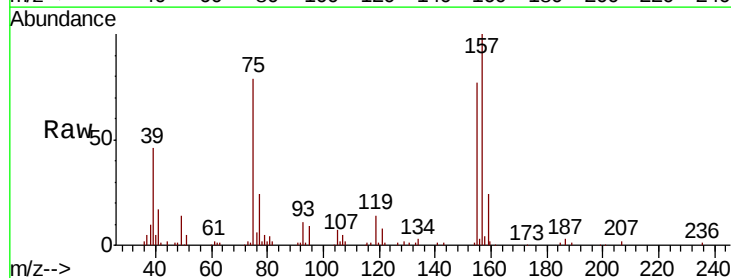
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

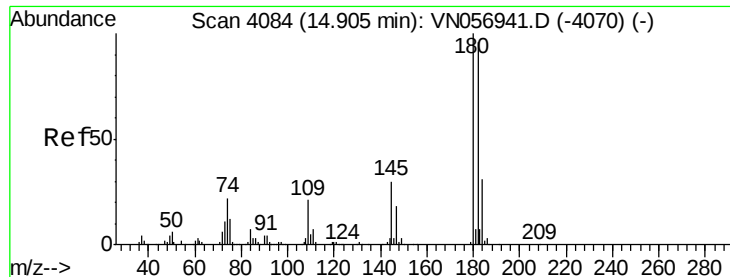
Tot Ion:146 Resp: 554692
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.4 58.4
 148 63.6 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.844 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion: 75 Resp: 57532
 Ion Ratio Lower Upper
 75 100
 155 99.2 50.2 150.6
 157 127.3 65.1 195.4

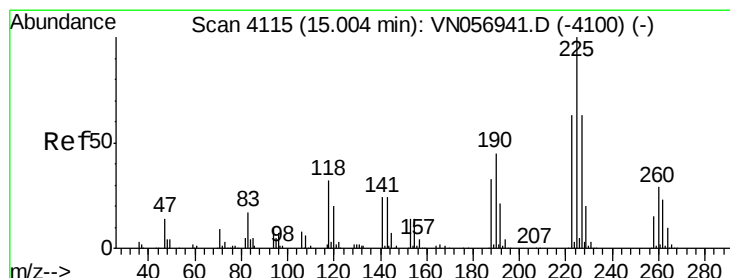
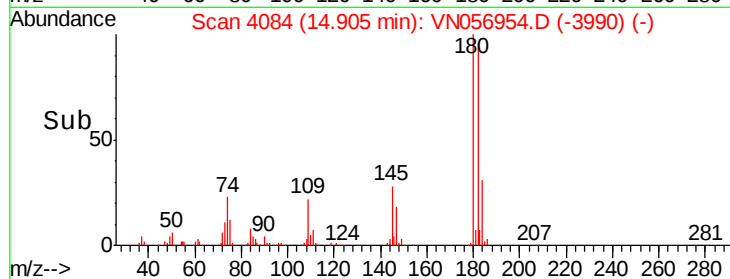
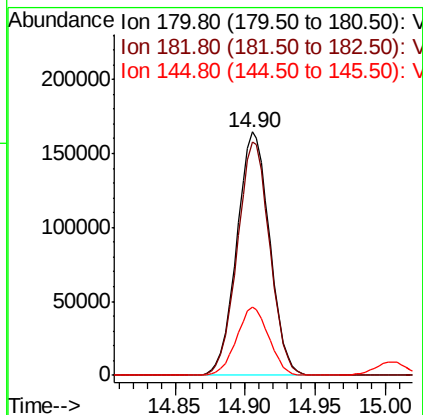
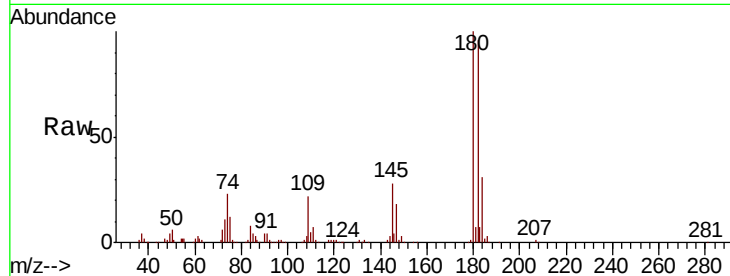




#93
 1,2,4-Trichlorobenzene
 Concen: 46.940 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

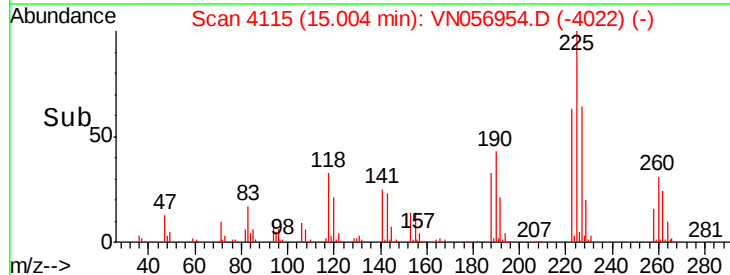
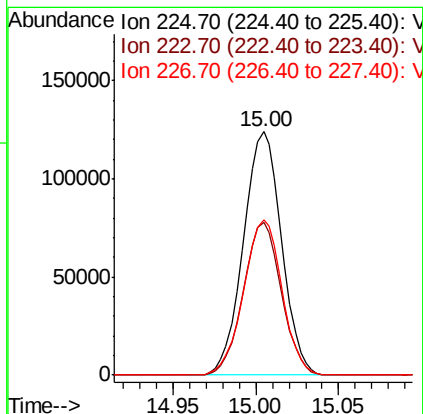
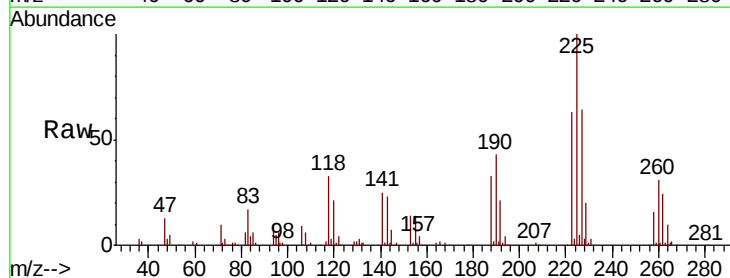
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

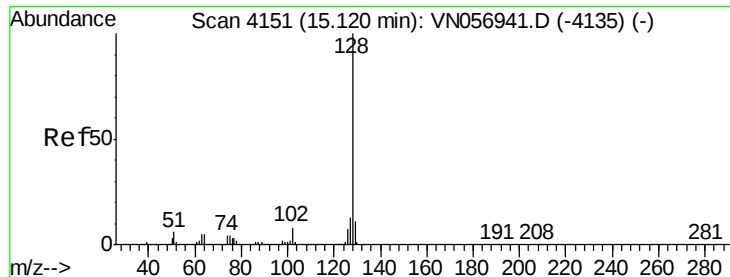
Tot Ion:180 Resp: 268172
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.6 142.8
 145 27.6 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 51.103 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN056954.D
 Acq: 26 Jul 2019 20:32

Tgt Ion:225 Resp: 198144
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.8 92.4
 227 64.1 31.1 93.5





#95

Naphthalene

Concen: 45.085 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

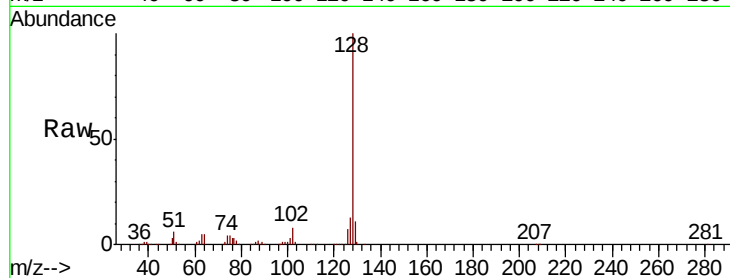
Tot Ion:128 Resp: 625269

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

129 10.8 8.7 13.1

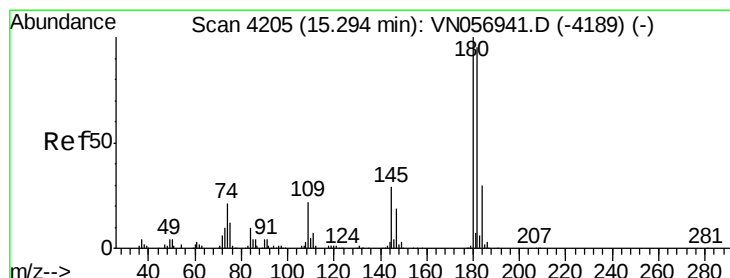
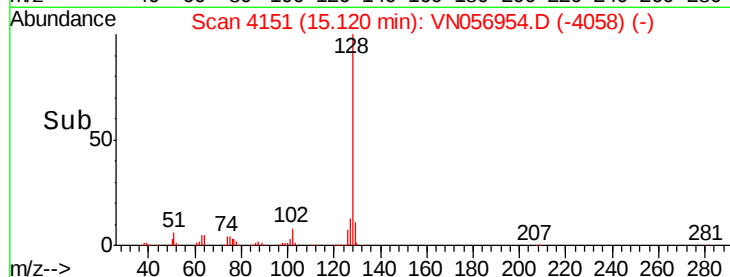
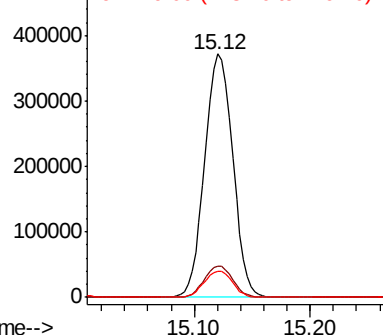


Abundance

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: 45.970 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN056954.D

Acq: 26 Jul 2019 20:32

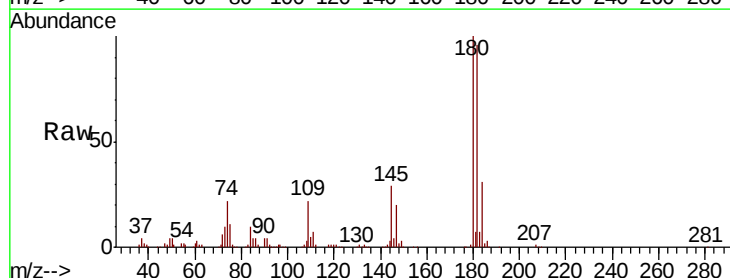
Tgt Ion:180 Resp: 265389

Ion Ratio Lower Upper

180 100

182 96.8 48.0 144.2

145 30.1 15.0 45.0



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

