

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061119\
 Data File : VN056233.D
 Acq On : 11 Jun 2019 19:23
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 12 06:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	290689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	415362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	373505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171777	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	139144	48.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.42%	
35) Dibromofluoromethane	7.59	113	129044	50.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.28%	
50) Toluene-d8	10.09	98	469180	47.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.70%	
62) 4-Bromofluorobenzene	12.40	95	163833	49.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	140920	44.169	ug/l	98
3) Chloromethane	2.06	50	146511	46.495	ug/l	99
4) Vinyl Chloride	2.18	62	146442	46.330	ug/l	99
5) Bromomethane	2.52	94	93226	46.691	ug/l	98
6) Chloroethane	2.68	64	85235	46.509	ug/l	98
7) Trichlorofluoromethane	3.00	101	191278	47.403	ug/l	98
8) Diethyl Ether	3.40	74	75187	45.310	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	121085	49.399	ug/l	99
10) Methyl Iodide	3.94	142	173462	44.531	ug/l	100
11) Tert butyl alcohol	4.82	59	126782	252.414	ug/l	98
12) 1,1-Dichloroethene	3.72	96	117107	47.989	ug/l	95
13) Acrolein	3.60	56	38182	263.577	ug/l	98
14) Allyl chloride	4.31	41	187308	48.609	ug/l	98
15) Acrylonitrile	4.99	53	341489	279.294	ug/l	100
16) Acetone	3.82	43	287926	208.578	ug/l	99
17) Carbon Disulfide	4.03	76	261818	44.809	ug/l	100
18) Methyl Acetate	4.32	43	156596	57.842	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	382049	49.116	ug/l	100
20) Methylene Chloride	4.54	84	139315	48.985	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	124257	47.523	ug/l	96
22) Diisopropyl ether	5.95	45	393957	49.458	ug/l	99
23) Vinyl Acetate	5.90	43	1620337	258.312	ug/l	99
24) 1,1-Dichloroethane	5.84	63	228717	49.778	ug/l	99
25) 2-Butanone	6.84	43	453386	259.951	ug/l	99
26) 2,2-Dichloropropane	6.82	77	149316	41.646	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	150457	48.953	ug/l	97
28) Bromochloromethane	7.19	49	108670	50.012	ug/l	97
29) Tetrahydrofuran	7.22	42	293424	272.164	ug/l	100
30) Chloroform	7.37	83	235464	50.942	ug/l	99
31) Cyclohexane	7.65	56	199435	43.545	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	191927	49.724	ug/l	100
36) 1,1-Dichloropropene	7.79	75	168900	47.291	ug/l	99
37) Ethyl Acetate	6.93	43	175651	55.274	ug/l	100
38) Carbon Tetrachloride	7.77	117	170078	51.652	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	201630	45.319	ug/l	98
40) Benzene	8.04	78	537557	49.556	ug/l	100
41) Methacrylonitrile	7.17	41	76954	52.633	ug/l	92
42) 1,2-Dichloroethane	8.12	62	171582	49.174	ug/l	100
43) Isopropyl Acetate	8.17	43	266627	51.777	ug/l #	92
44) Trichloroethene	8.83	130	153235	49.161	ug/l	99
45) 1,2-Dichloropropane	9.12	63	141541	50.941	ug/l	98
46) Dibromomethane	9.21	93	95418	52.516	ug/l	98
47) Bromodichloromethane	9.40	83	180417	54.787	ug/l	97
48) Methyl methacrylate	9.20	41	135708	53.868	ug/l	97
49) 1,4-Dioxane	9.20	88	59528	1094.495	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	885172	274.876	ug/l	100
52) Toluene	10.16	92	339301	50.267	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	175920	45.778	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	206436	52.153	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	140718	52.629	ug/l	99
56) Ethyl methacrylate	10.43	69	209010	53.582	ug/l	97
57) 1,3-Dichloropropane	10.71	76	226084	52.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	344345	224.275	ug/l	99
59) 2-Hexanone	10.75	43	614015	263.078	ug/l	99
60) Dibromochloromethane	10.90	129	151449	51.291	ug/l	99
61) 1,2-Dibromoethane	11.00	107	144660	52.923	ug/l	98
64) Tetrachloroethene	10.63	164	152678	47.223	ug/l	99
65) Chlorobenzene	11.43	112	367906	49.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	140540	54.755	ug/l	100
67) Ethyl Benzene	11.51	91	632432	48.928	ug/l	100
68) m/p-Xylenes	11.62	106	482995	97.817	ug/l	99
69) o-Xylene	11.95	106	240695	49.556	ug/l	99
70) Styrene	11.96	104	400961	51.957	ug/l	99
71) Bromoform	12.13	173	113922	52.710	ug/l #	99
73) Isopropylbenzene	12.25	105	634369	51.901	ug/l	100
74) N-amyl acetate	12.07	43	221483	48.370	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	195087	48.922	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	222993	70.550	ug/l #	100
77) Bromobenzene	12.53	156	175370	47.685	ug/l	94
78) n-propylbenzene	12.59	91	670124	46.113	ug/l	99
79) 2-Chlorotoluene	12.67	91	410470	50.968	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	517741	44.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	46032	48.499	ug/l	90
82) 4-Chlorotoluene	12.77	91	399459	46.984	ug/l	99
83) tert-Butylbenzene	12.99	119	463718	51.848	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	509410	46.511	ug/l	99
85) sec-Butylbenzene	13.17	105	589278	45.788	ug/l	100
86) p-Isopropyltoluene	13.29	119	532521	46.234	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	276360	48.552	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	262335	47.911	ug/l	100
89) n-Butylbenzene	13.61	91	390534	45.771	ug/l	100
90) Hexachloroethane	13.87	117	90635	52.179	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	275426	47.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30861	54.108	ug/l	91

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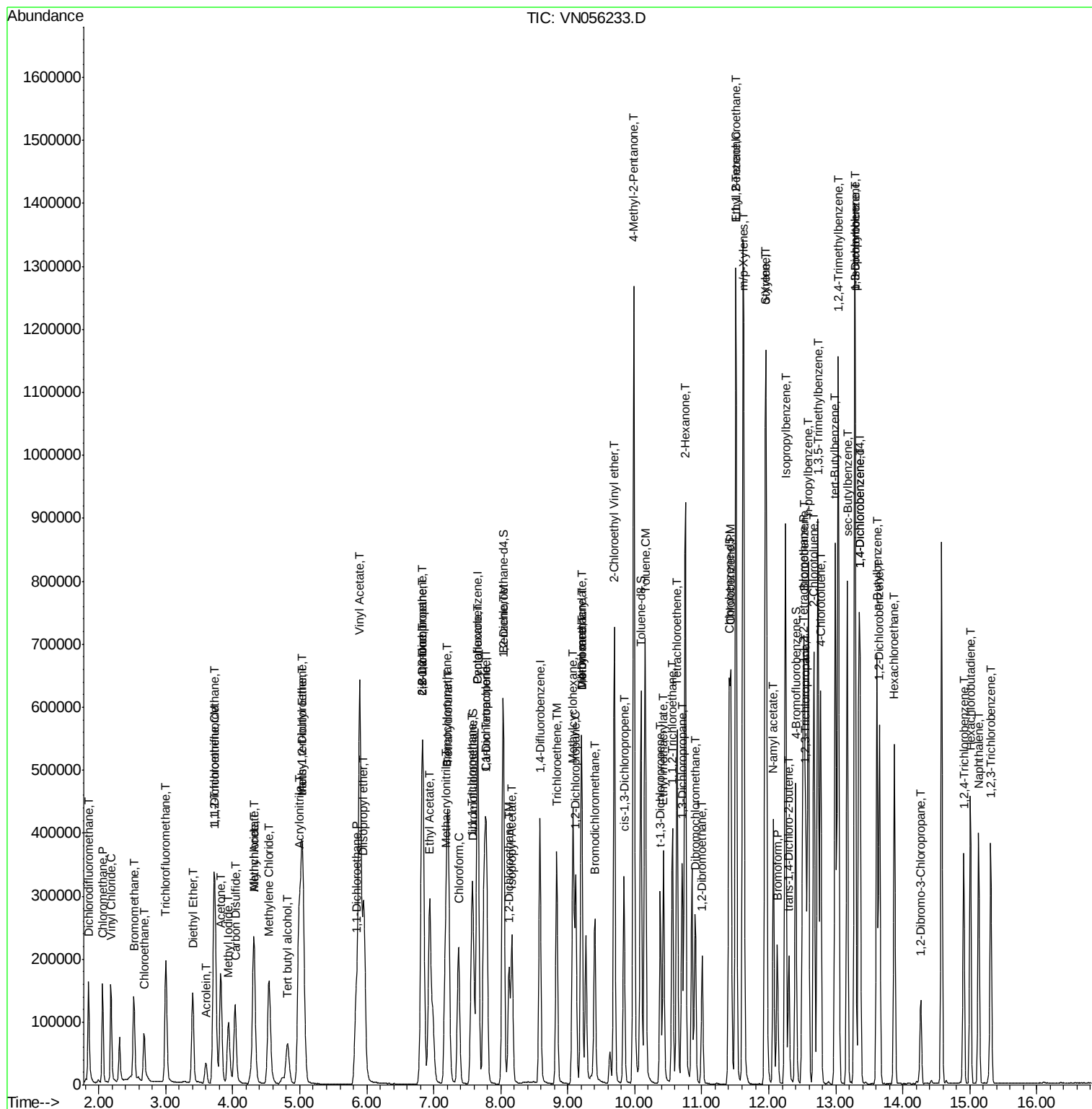
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132628	42.574	ug/l	99
94) Hexachlorobutadiene	15.01	225	103075	52.395	ug/l	98
95) Naphthalene	15.13	128	359137	44.195	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	150625	46.873	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

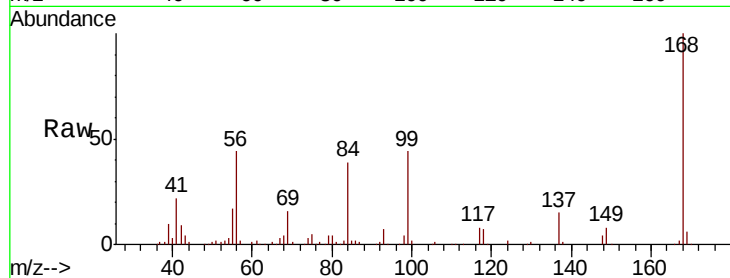
VSTDCCC050EC

Tot Ion:168 Resp: 290689

Ion Ratio Lower Upper

168 100

99 43.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

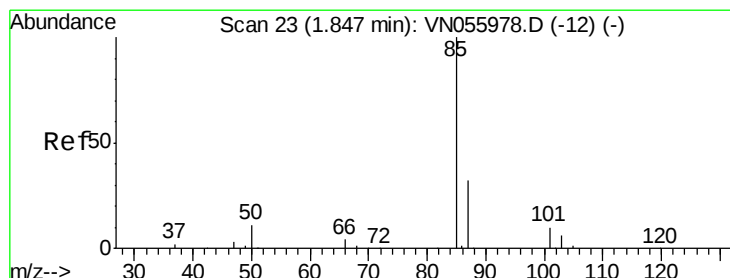
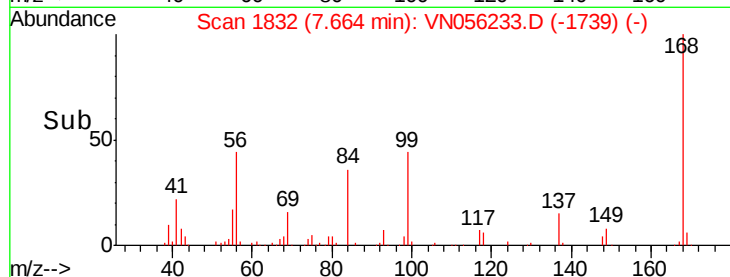
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.169 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056233.D

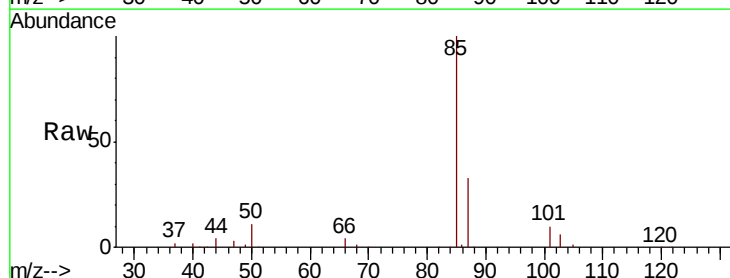
Acq: 11 Jun 2019 19:23

Tgt Ion: 85 Resp: 140920

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

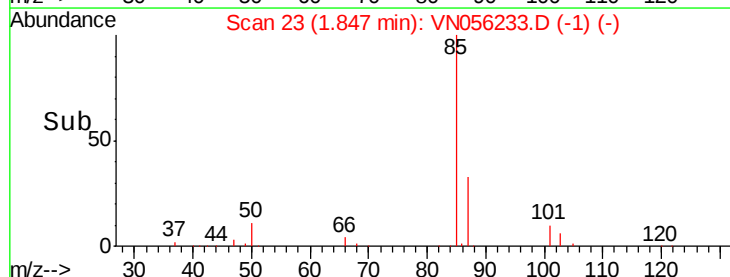
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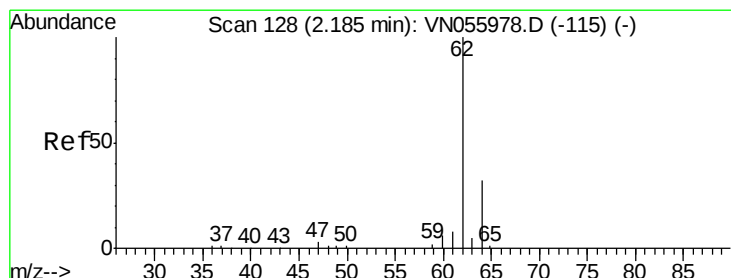
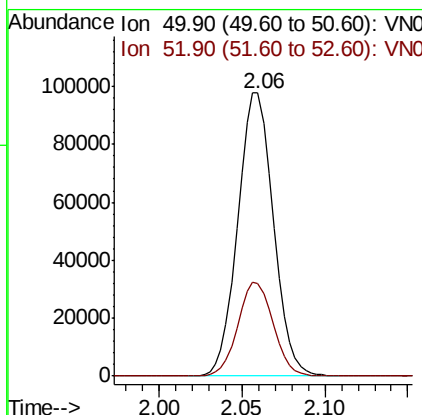
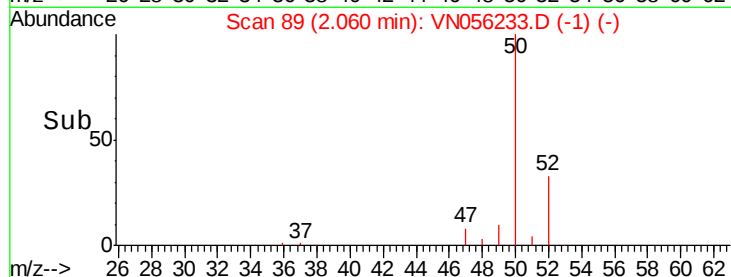
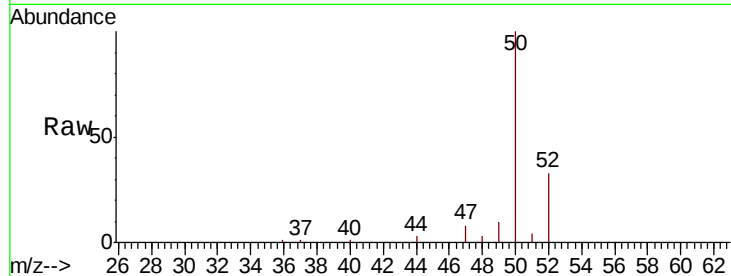




#3
Chloromethane
Concen: 46.495 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

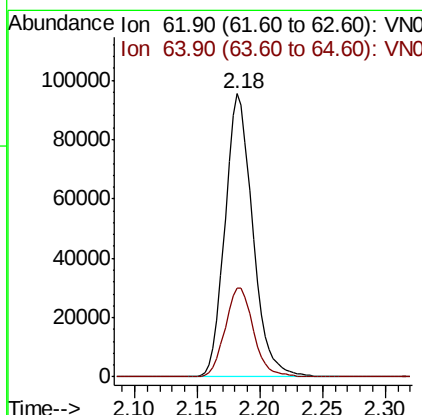
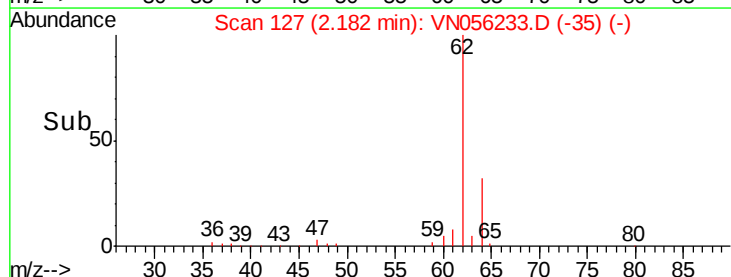
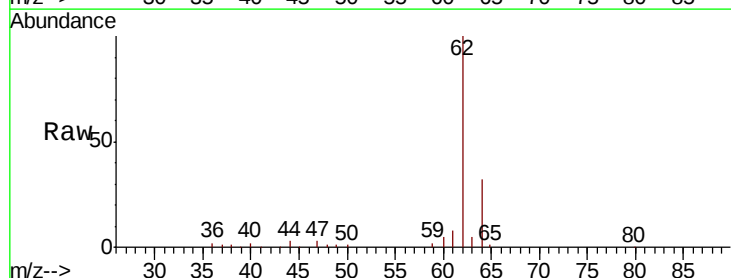
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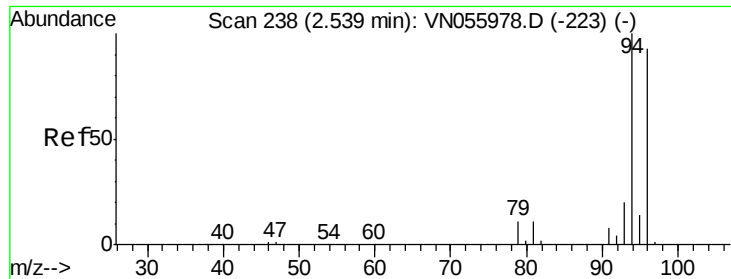
Tot Ion: 50 Resp: 146511
Ion Ratio Lower Upper
50 100
52 32.9 26.6 40.0



#4
Vinyl Chloride
Concen: 46.330 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 62 Resp: 146442
Ion Ratio Lower Upper
62 100
64 31.5 25.6 38.4

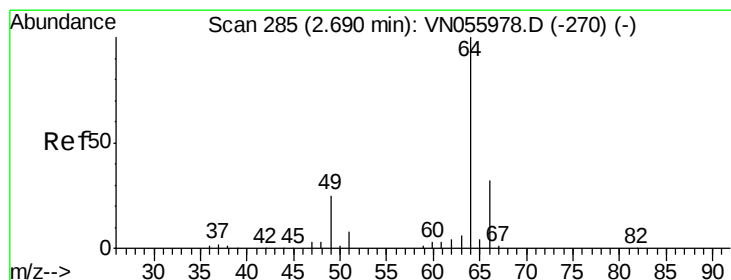
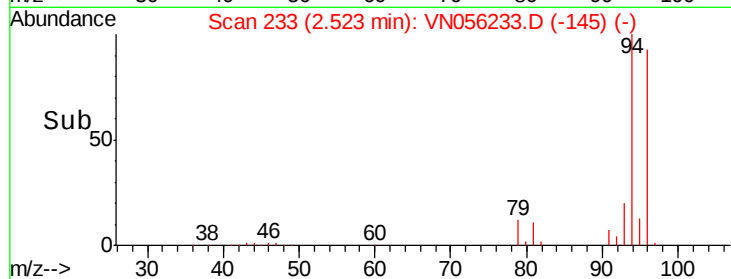
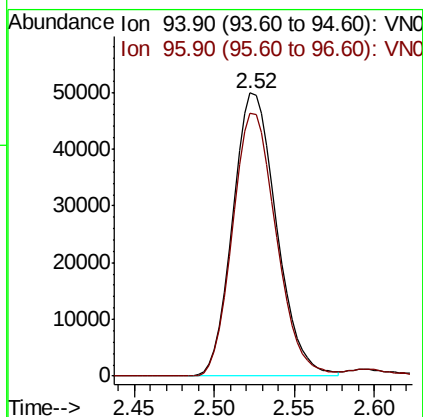
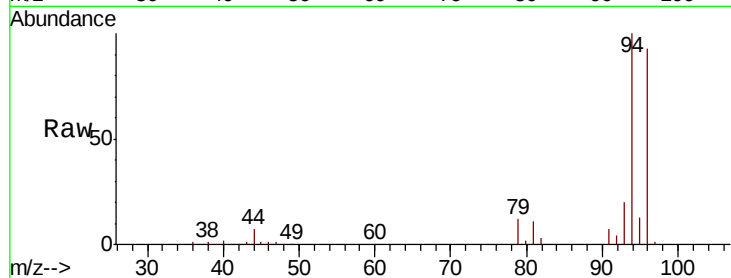




#5
Bromomethane
Concen: 46.691 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.02 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

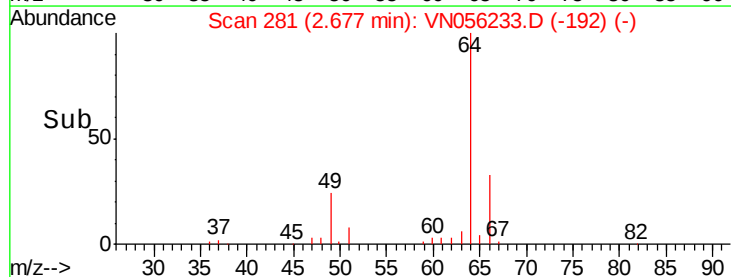
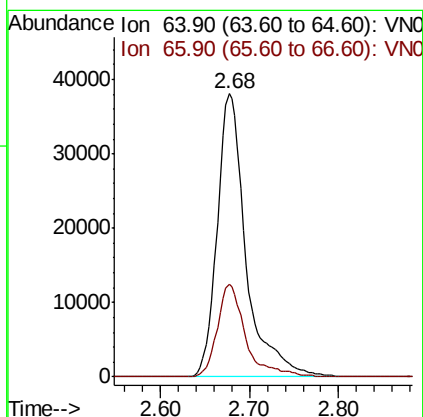
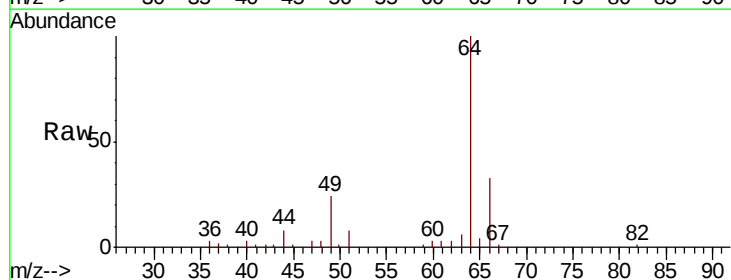
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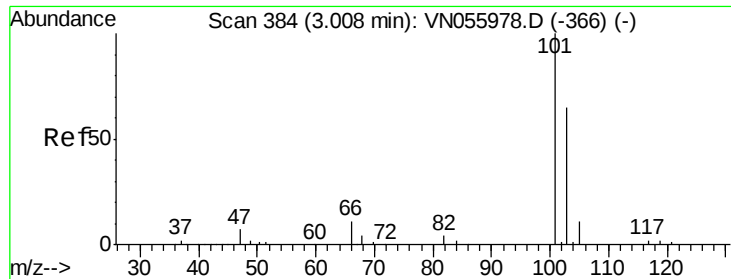
Tot Ion: 94 Resp: 93226
Ion Ratio Lower Upper
94 100
96 92.8 75.5 113.3



#6
Chloroethane
Concen: 46.509 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 64 Resp: 85235
Ion Ratio Lower Upper
64 100
66 32.7 25.4 38.0



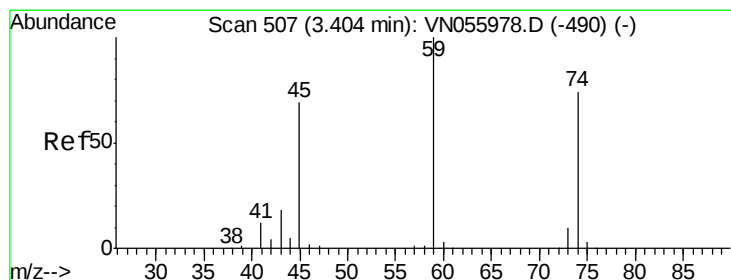
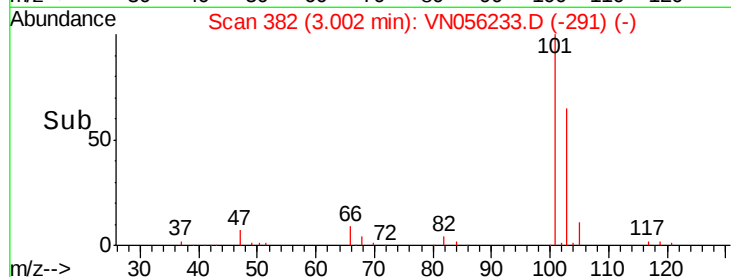
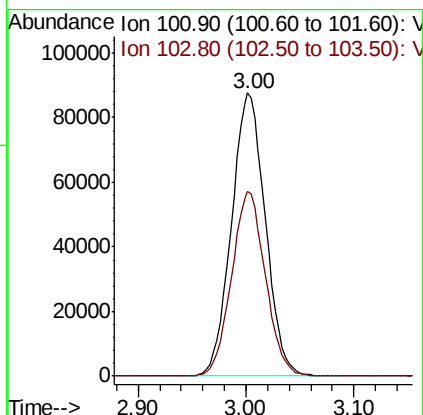
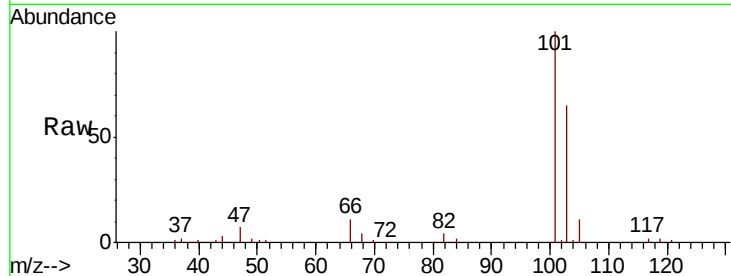


#7

Trichlorofluoromethane
 Concen: 47.403 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

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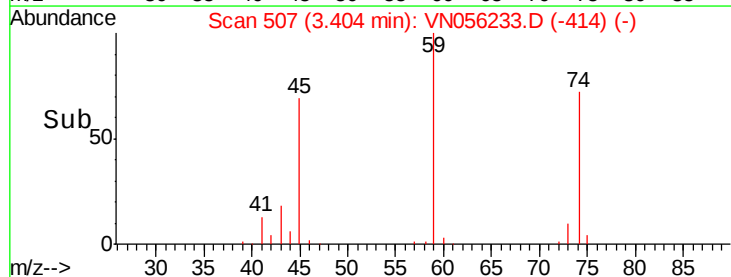
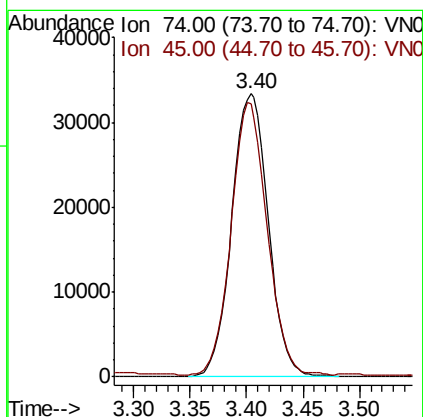
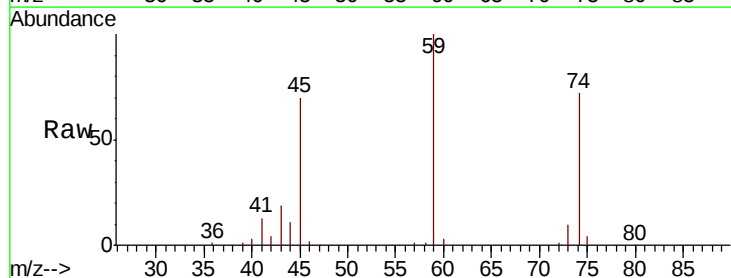
Tot Ion:101 Resp: 191278
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.2 76.8

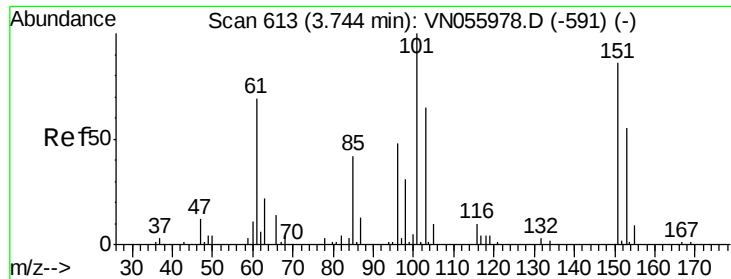


#8

Diethyl Ether
 Concen: 45.310 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 74 Resp: 75187
 Ion Ratio Lower Upper
 74 100
 45 94.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.399 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

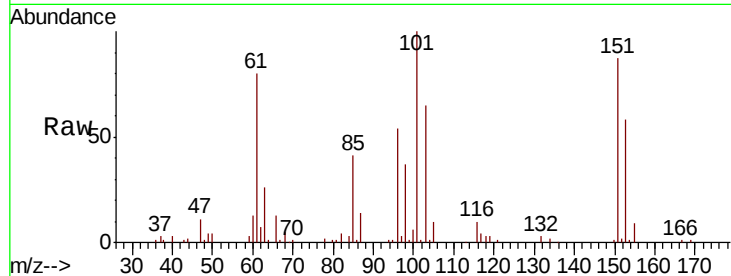
Tot Ion:101 Resp: 121085

Ion Ratio Lower Upper

101 100

85 40.8 33.4 50.2

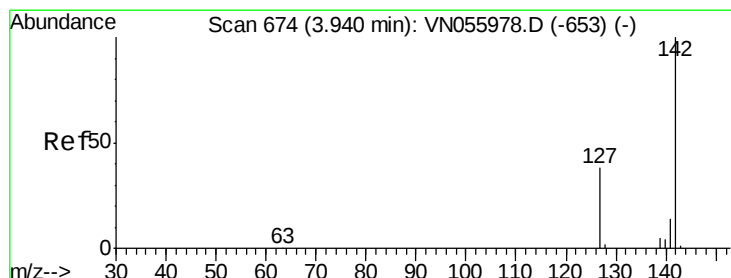
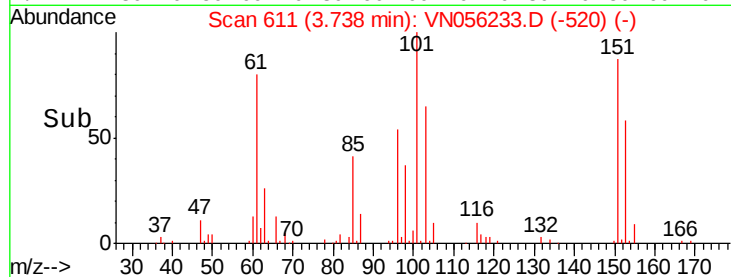
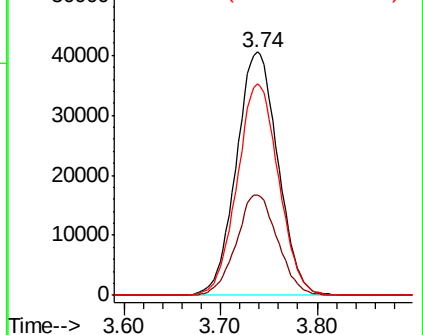
151 86.6 69.4 104.2



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: 44.531 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

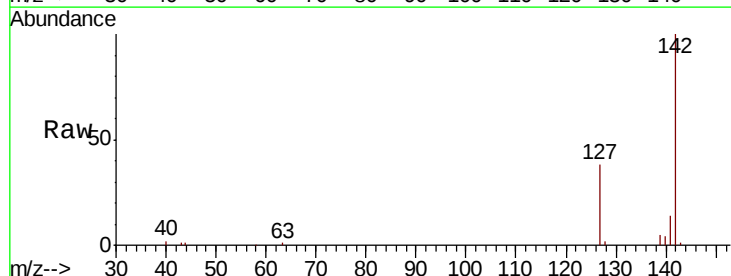
Tgt Ion:142 Resp: 173462

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

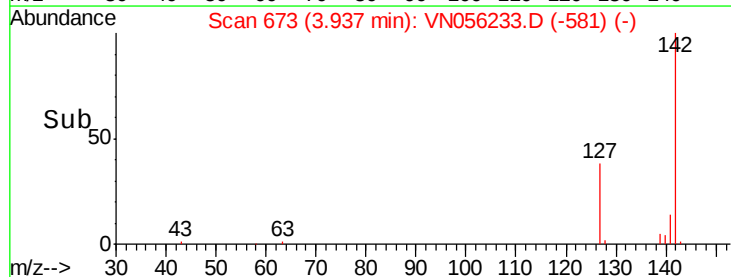
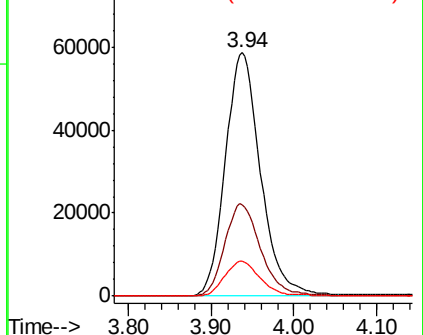
141 14.5 11.4 17.0



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



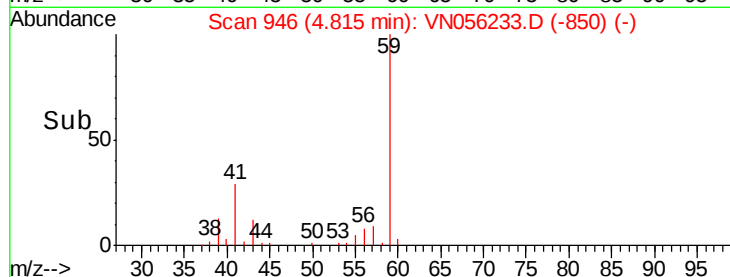
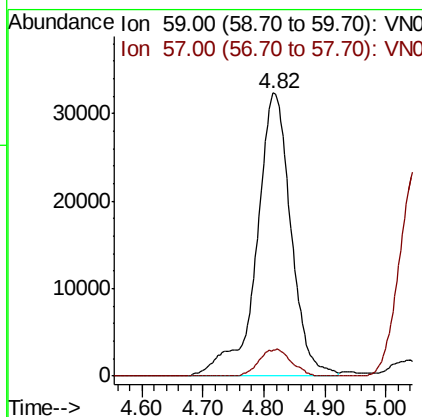
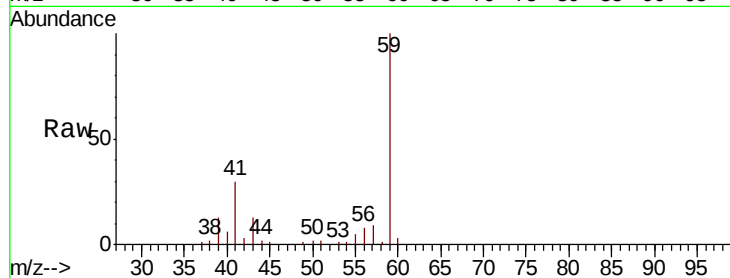


#11

Tert butyl alcohol
 Concen: 252.414 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

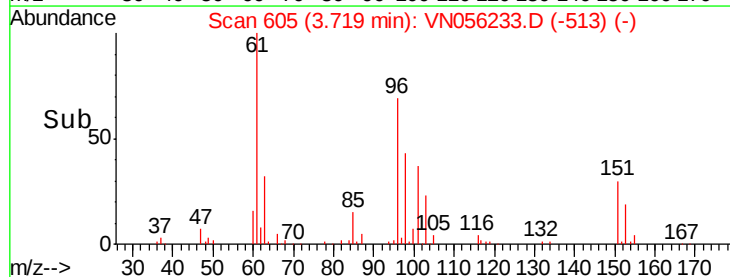
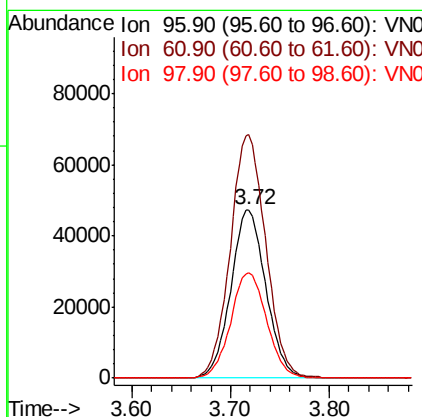
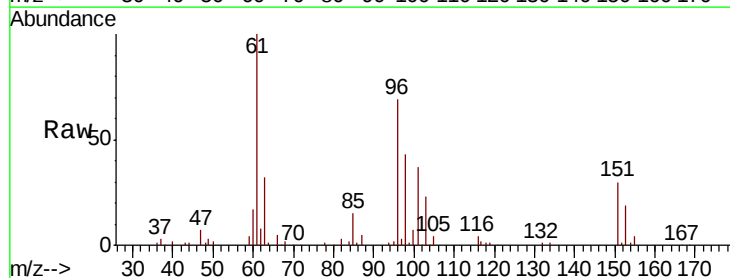
Tot Ion: 59 Resp: 126782
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.8 11.6

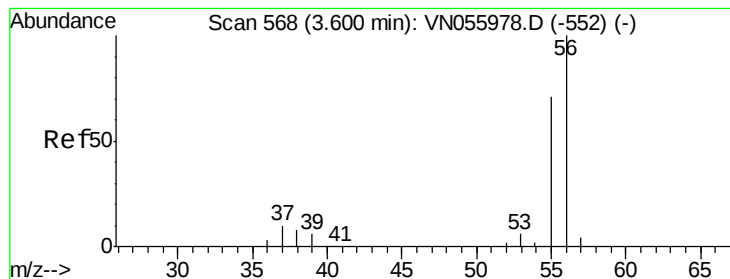


#12

1,1-Dichloroethene
 Concen: 47.989 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 96 Resp: 117107
 Ion Ratio Lower Upper
 96 100
 61 144.8 123.2 184.8
 98 62.6 50.4 75.6





#13

Acrolein

Concen: 263.577 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

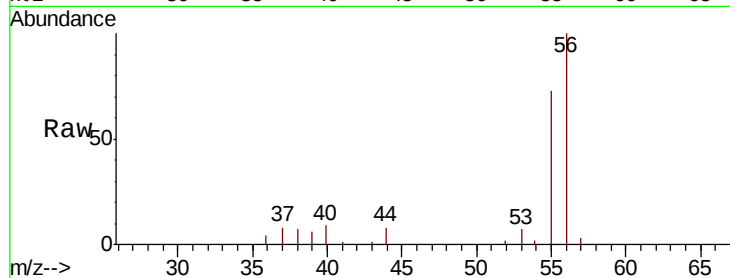
VSTDCCC050EC

Tot Ion: 56 Resp: 38182

Ion Ratio Lower Upper

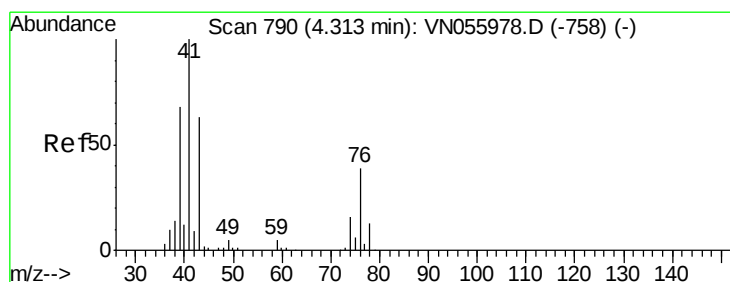
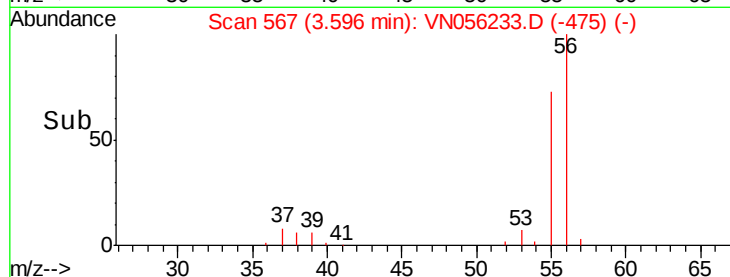
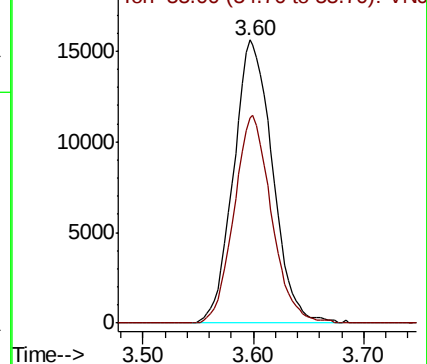
56 100

55 70.8 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.609 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

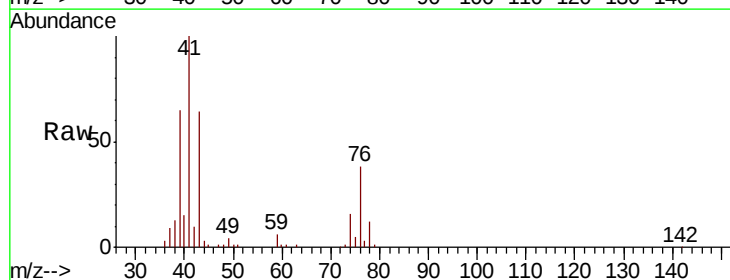
Tgt Ion: 41 Resp: 187308

Ion Ratio Lower Upper

41 100

39 60.6 50.0 75.0

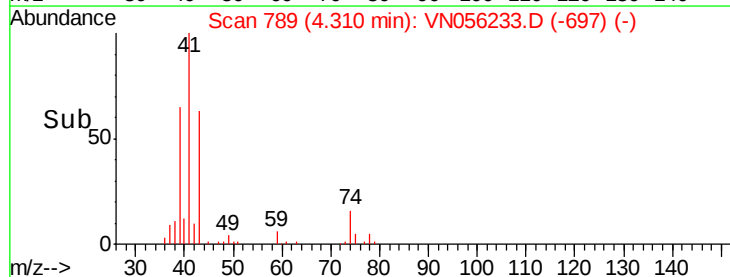
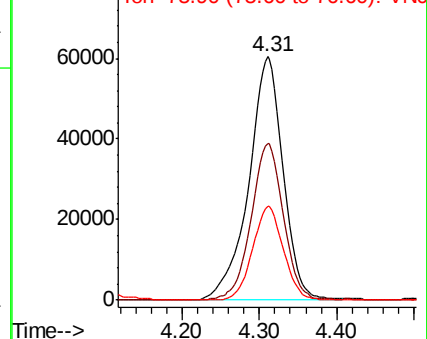
76 34.5 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



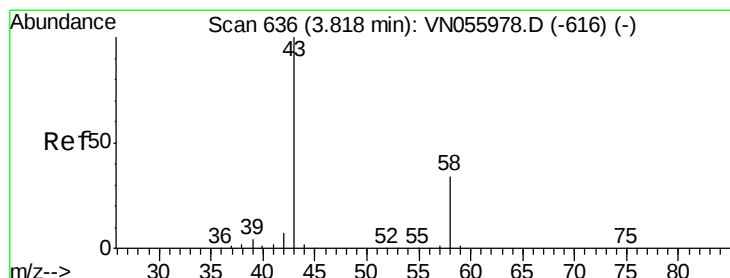
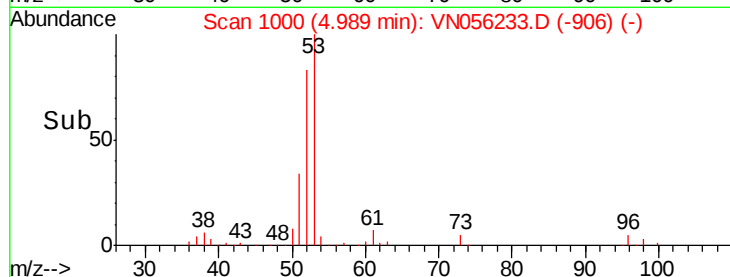
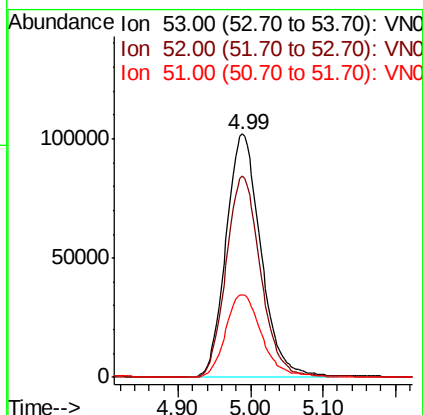
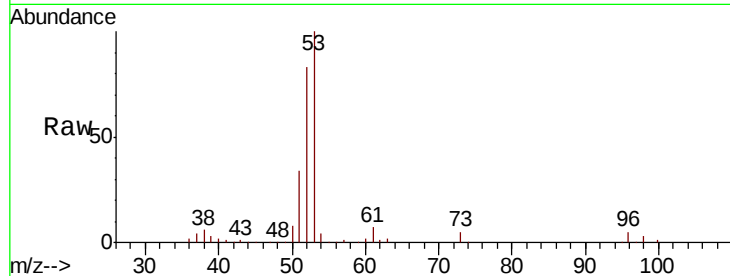


#15
 Acrylonitrile
 Concen: 279.294 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 53 Resp: 341489

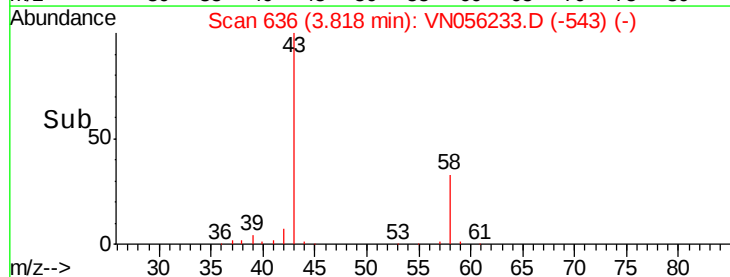
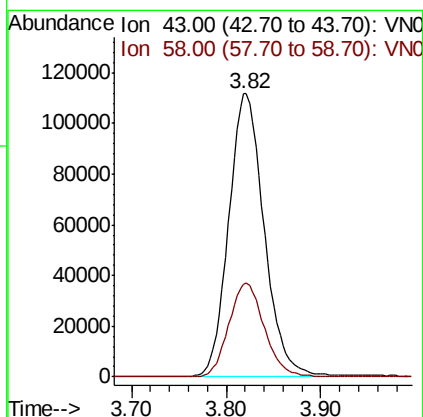
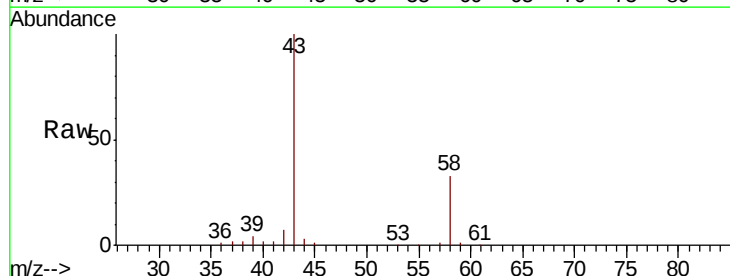
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.8	98.8
51	35.3	28.2	42.4

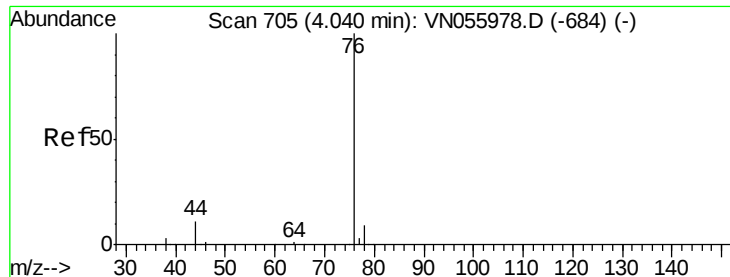


#16
 Acetone
 Concen: 208.578 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 43 Resp: 287926

Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8

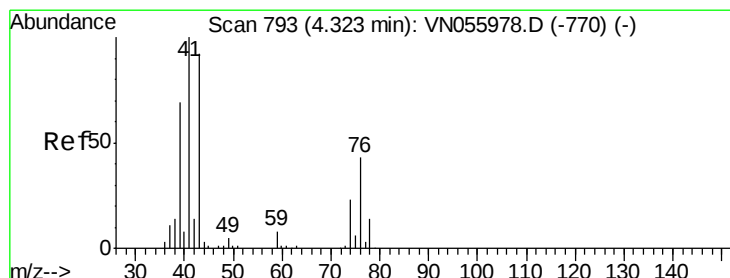
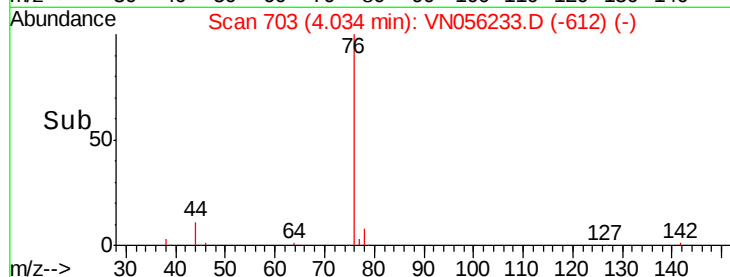
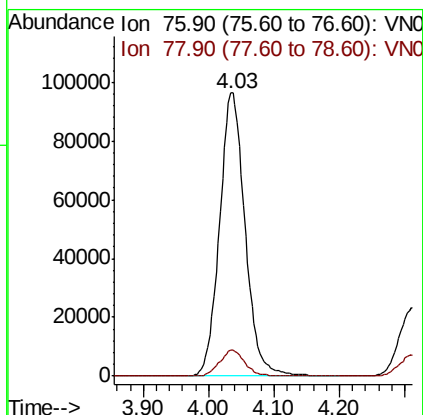
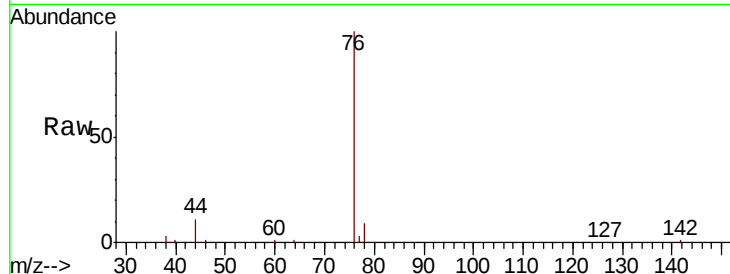




#17
Carbon Disulfide
Concen: 44.809 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

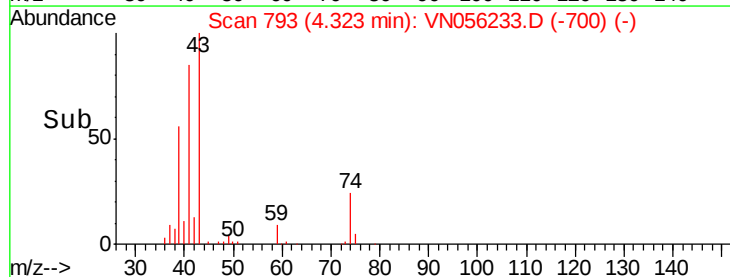
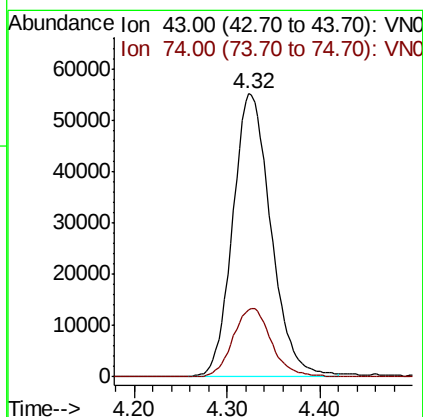
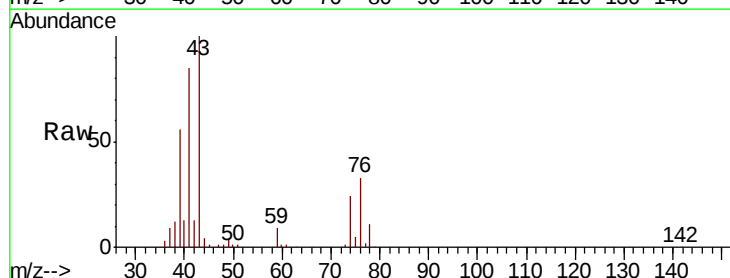
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

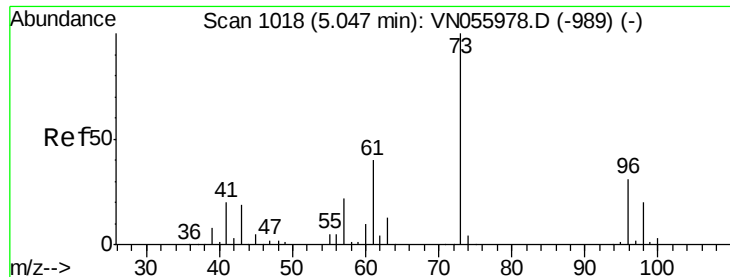
Tot Ion: 76 Resp: 261818
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2



#18
Methyl Acetate
Concen: 57.842 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 43 Resp: 156596
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9

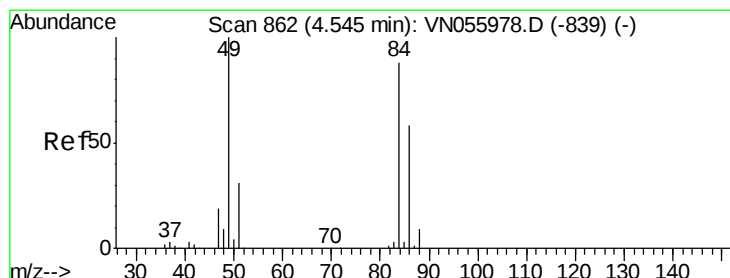
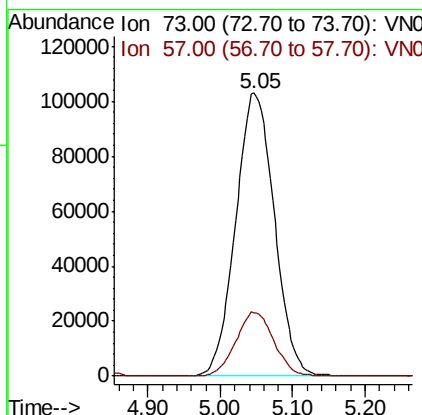
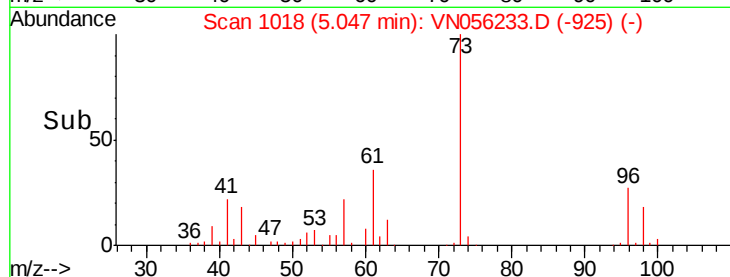
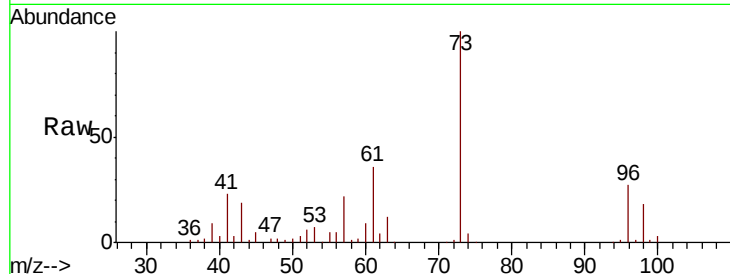




#19
Methyl tert-butyl Ether
Concen: 49.116 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

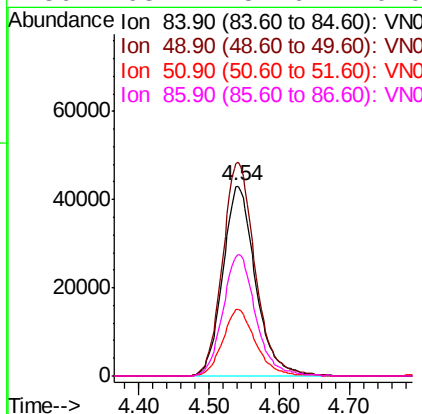
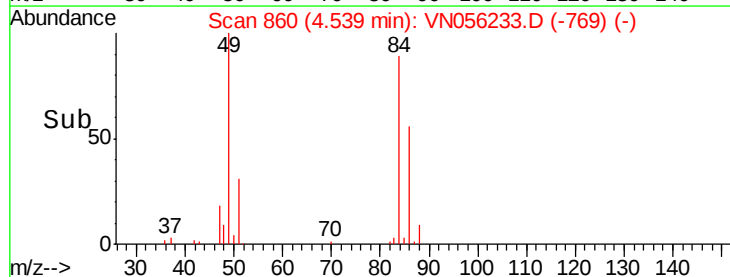
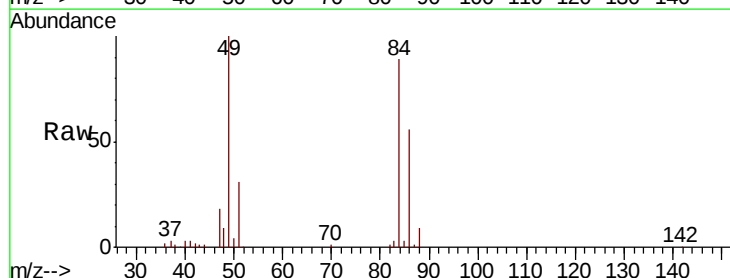
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

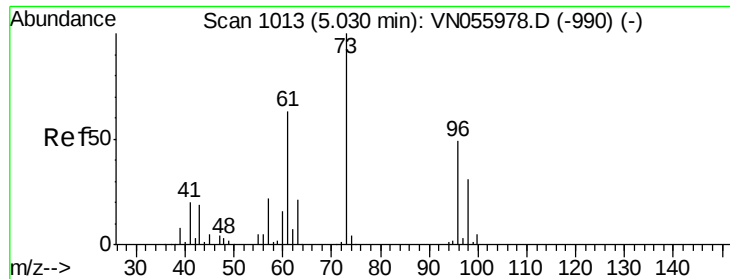
Tot Ion: 73 Resp: 382049
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.8



#20
Methylene Chloride
Concen: 48.985 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 84 Resp: 139315
Ion Ratio Lower Upper
84 100
49 112.4 93.5 140.3
51 35.1 28.6 43.0
86 63.2 52.6 79.0

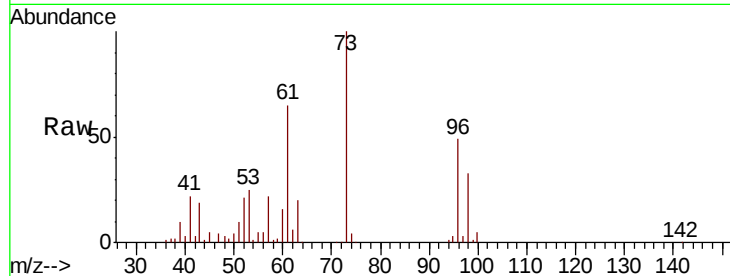




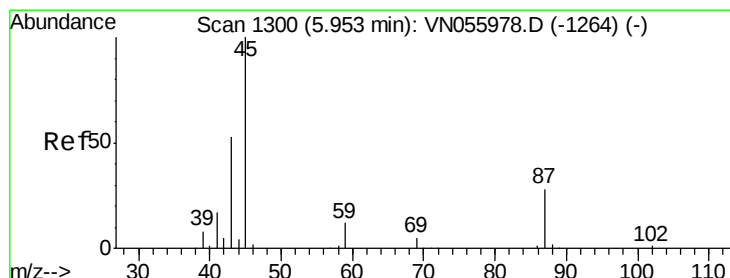
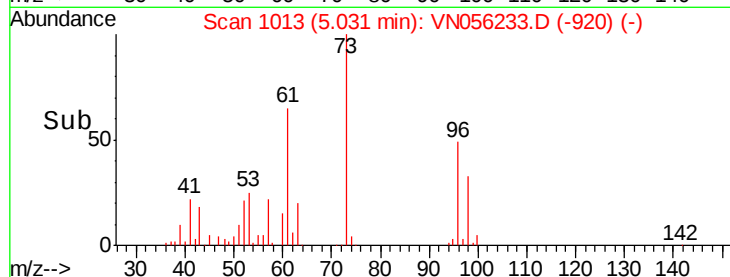
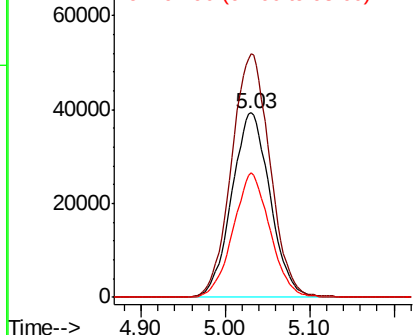
#21
trans-1,2-Dichloroethene
Concen: 47.523 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 124257
Ion Ratio Lower Upper
96 100
61 131.9 107.8 161.8
98 67.6 49.8 74.8

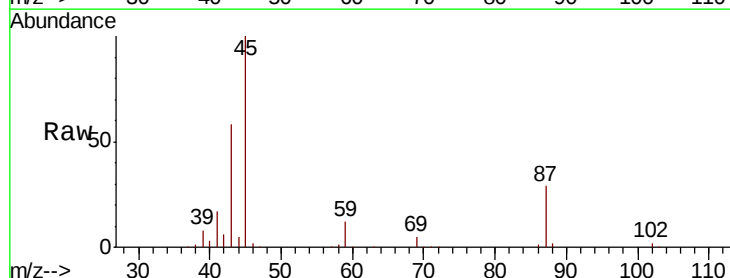


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

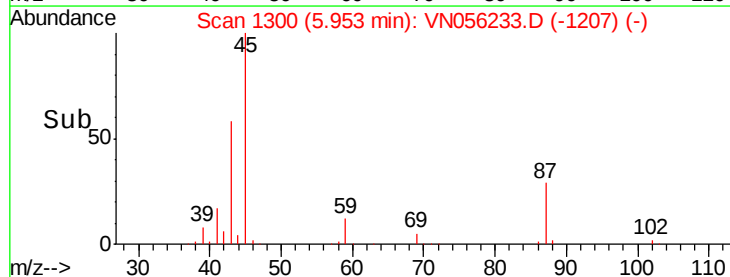
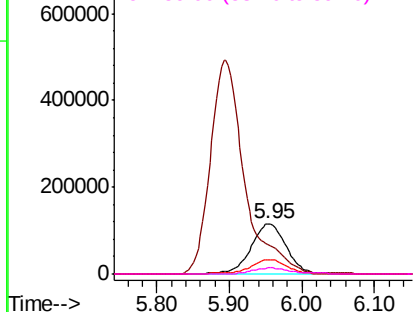


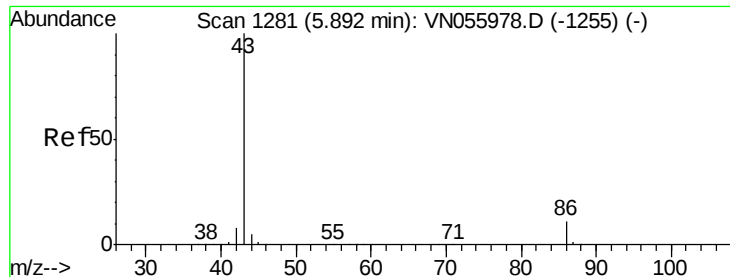
#22
Diisopropyl ether
Concen: 49.458 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 45 Resp: 393957
Ion Ratio Lower Upper
45 100
43 55.7 45.0 67.6
87 28.7 22.2 33.4
59 11.6 9.1 13.7



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: 258.312 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

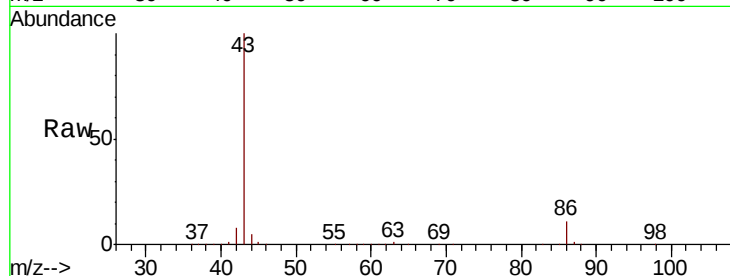
VSTDCCC050EC

Tot Ion: 43 Resp: 1620337

Ion Ratio Lower Upper

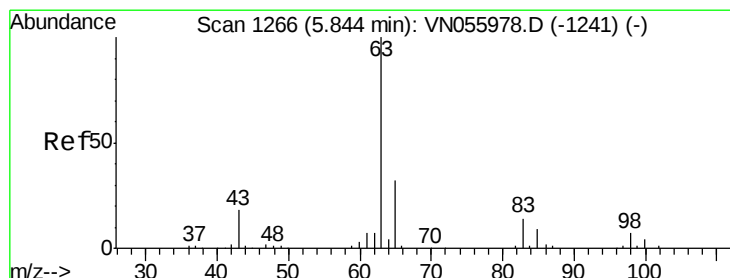
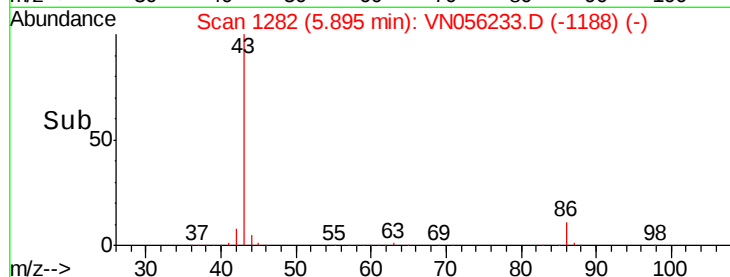
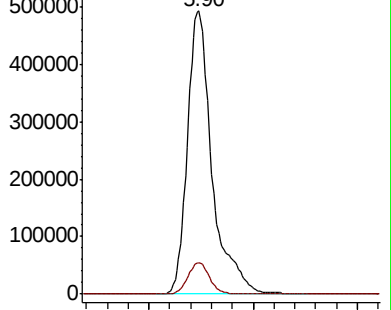
43 100

86 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.778 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

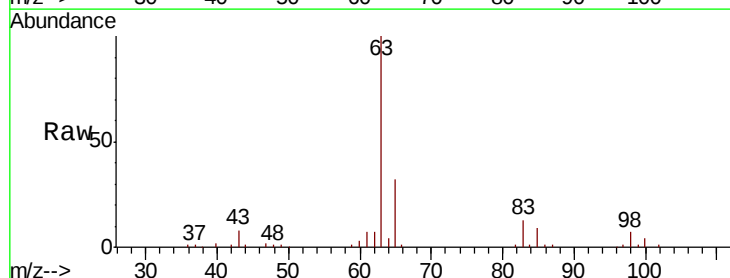
Tgt Ion: 63 Resp: 228717

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

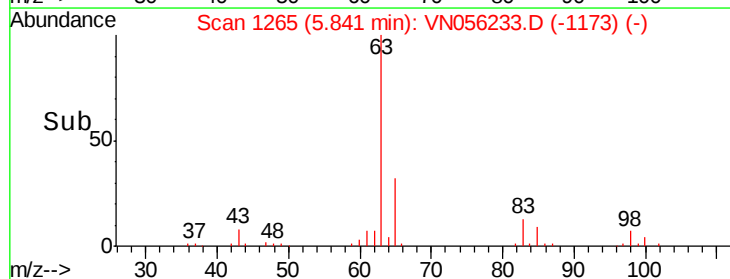
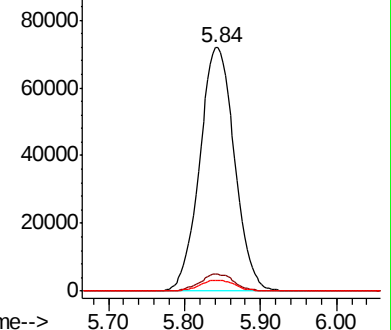
100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 259.951 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

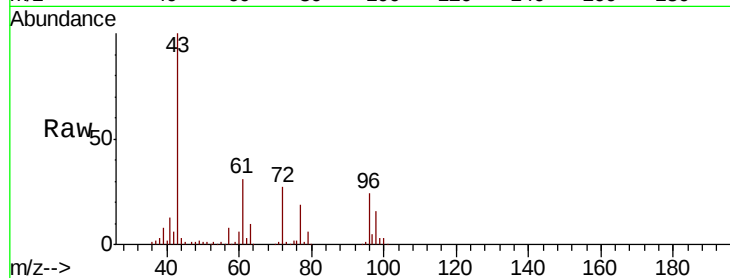
VSTDCCC050EC

Tot Ion: 43 Resp: 453386

Ion Ratio Lower Upper

43 100

72 27.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

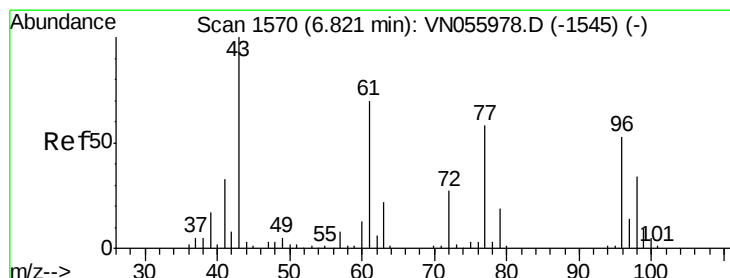
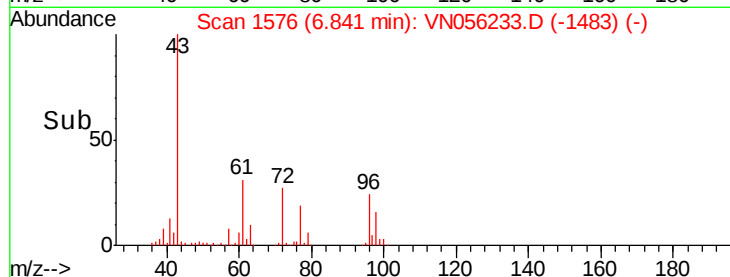
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 41.646 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056233.D

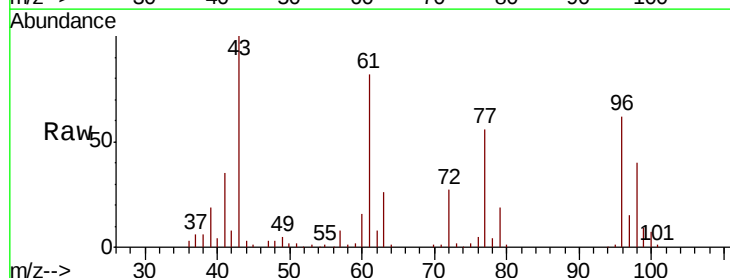
Acq: 11 Jun 2019 19:23

Tgt Ion: 77 Resp: 149316

Ion Ratio Lower Upper

77 100

97 25.6 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

50000

40000

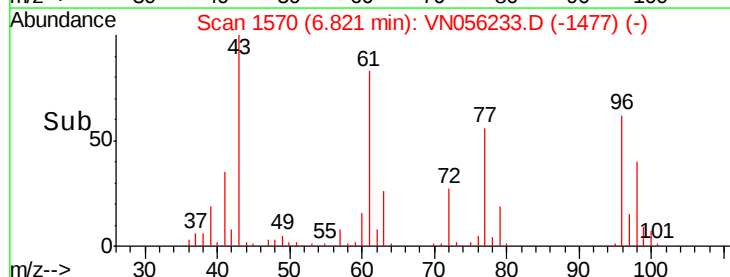
30000

20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 48.953 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

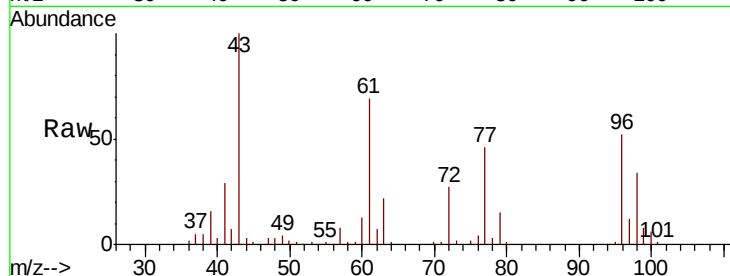
Tot Ion: 96 Resp: 150457

Ion Ratio Lower Upper

96 100

61 132.7 0.0 275.8

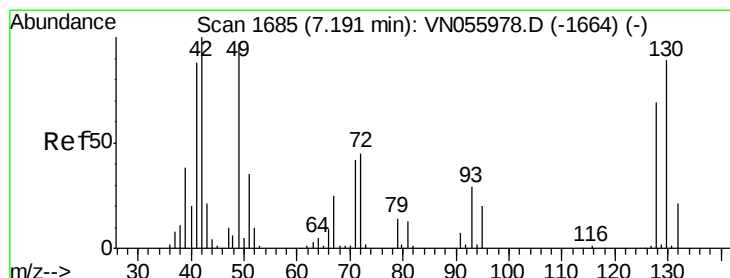
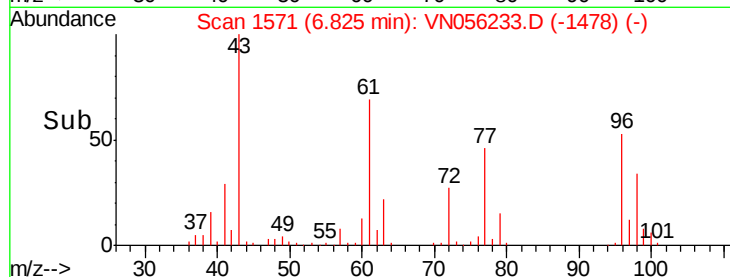
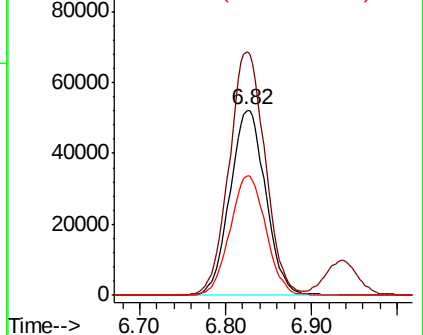
98 64.8 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.012 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

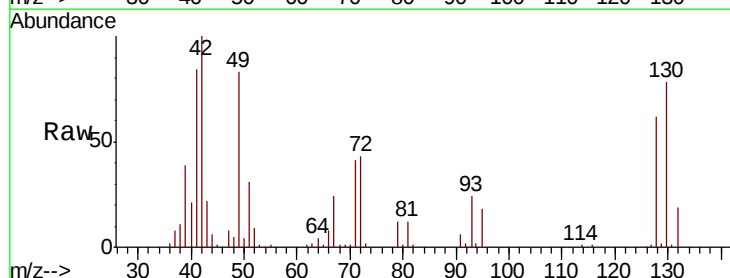
Tgt Ion: 49 Resp: 108670

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

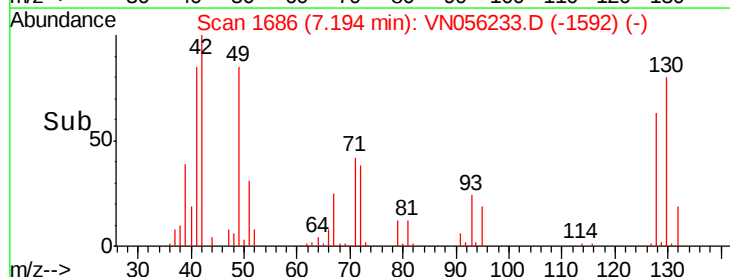
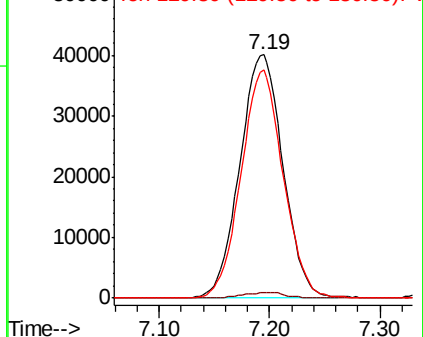
130 91.5 71.2 106.8

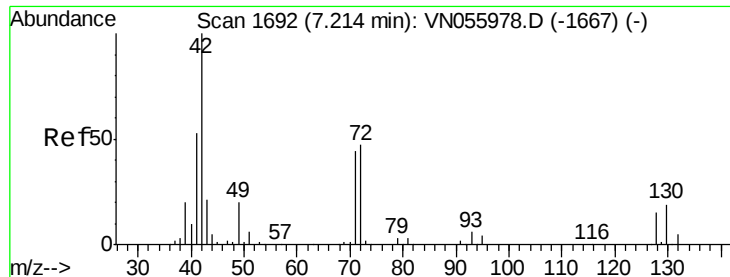


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 272.164 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

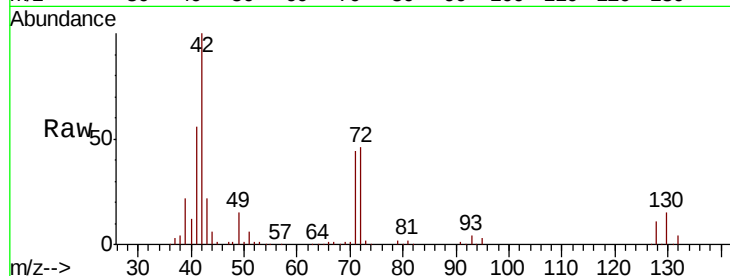
Tot Ion: 42 Resp: 293424

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

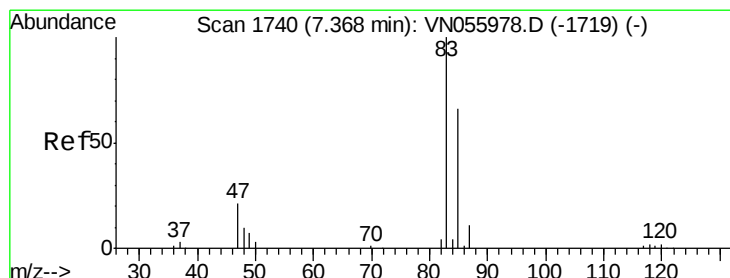
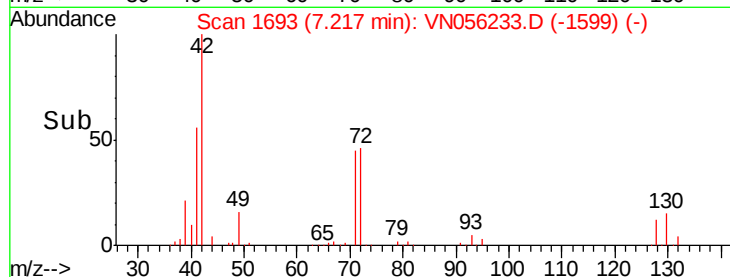
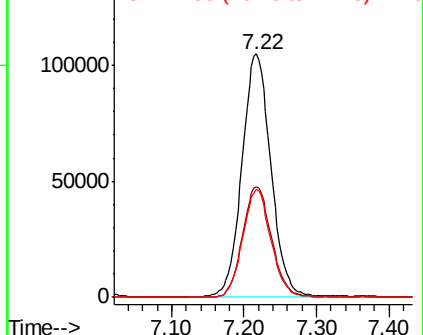
71 43.1 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 50.942 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN056233.D

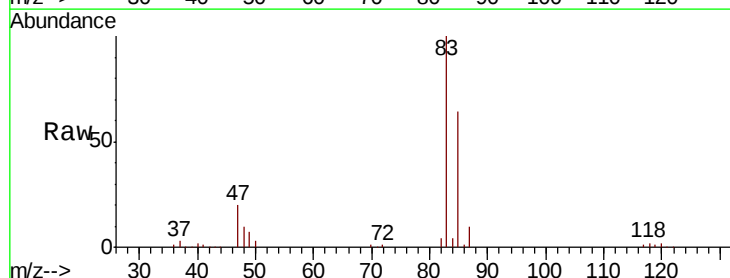
Acq: 11 Jun 2019 19:23

Tgt Ion: 83 Resp: 235464

Ion Ratio Lower Upper

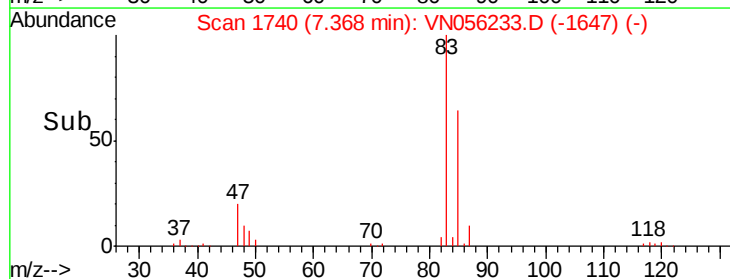
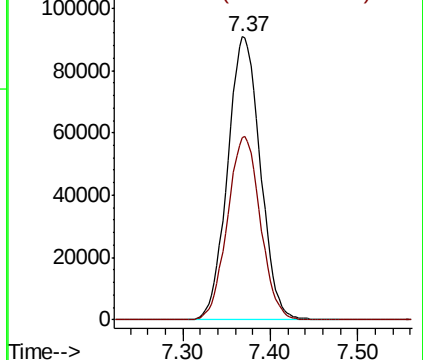
83 100

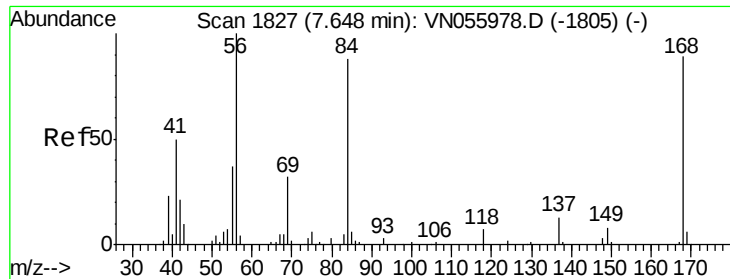
85 64.2 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

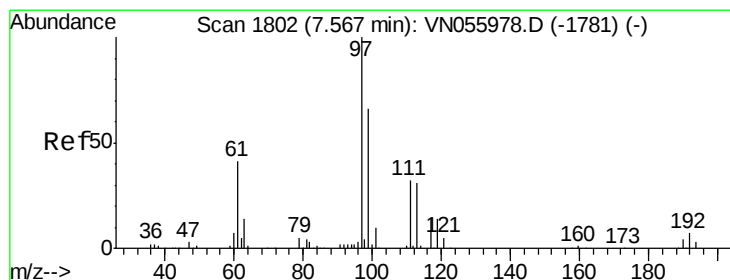
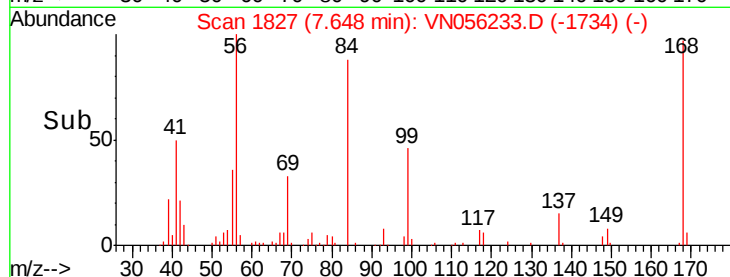
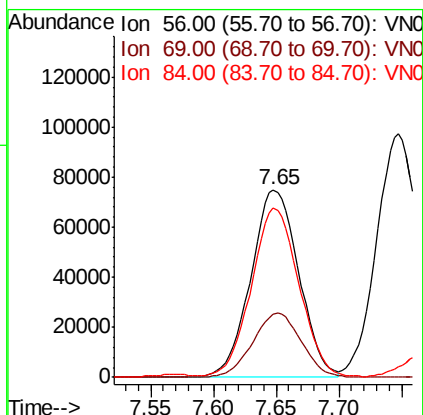
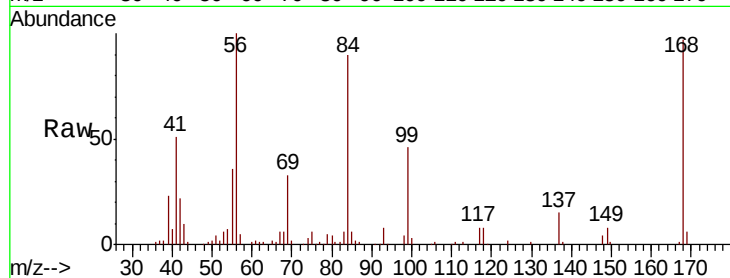




#31
Cyclohexane
Concen: 43.545 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

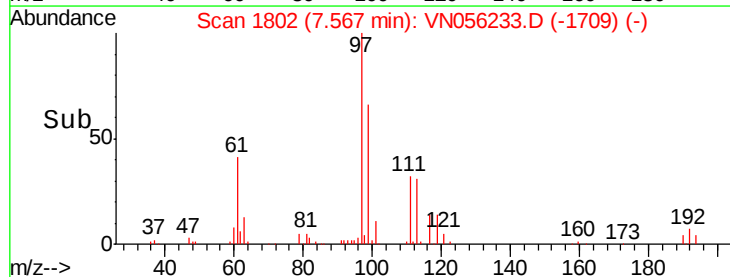
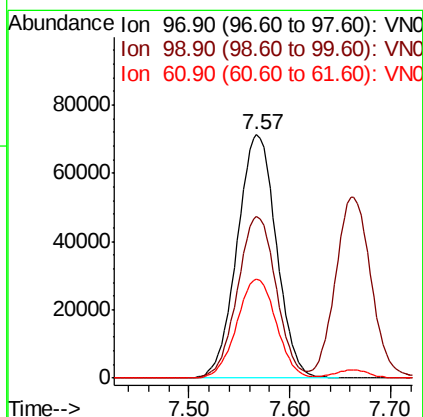
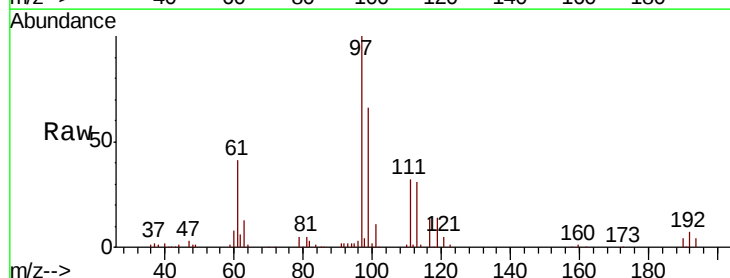
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

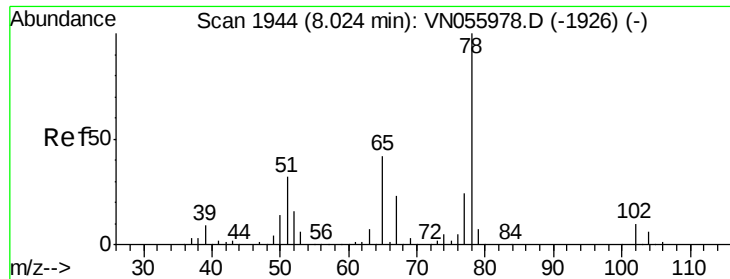
Tot Ion: 56 Resp: 199435
Ion Ratio Lower Upper
56 100
69 33.4 25.6 38.4
84 89.1 67.4 101.0



#32
1,1,1-Trichloroethane
Concen: 49.724 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 97 Resp: 191927
Ion Ratio Lower Upper
97 100
99 65.5 52.0 78.0
61 41.0 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 48.209 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

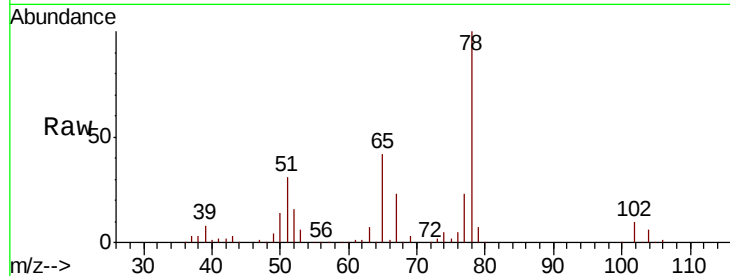
VSTDCCC050EC

Tot Ion: 65 Resp: 139144

Ion Ratio Lower Upper

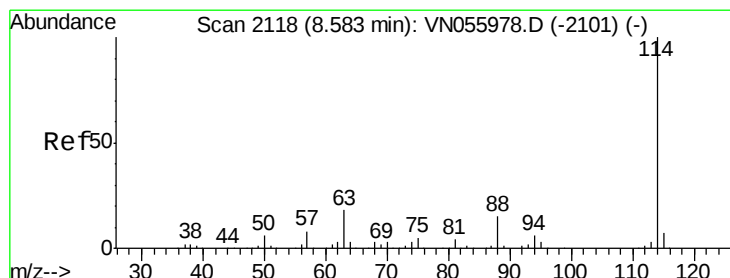
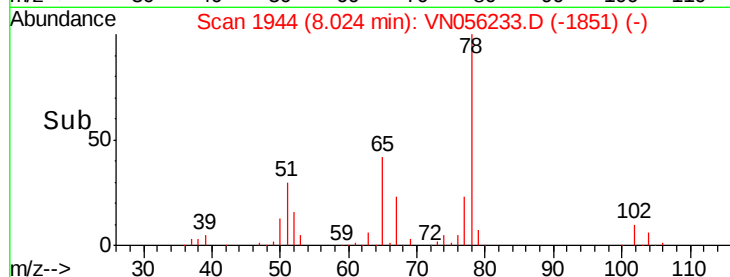
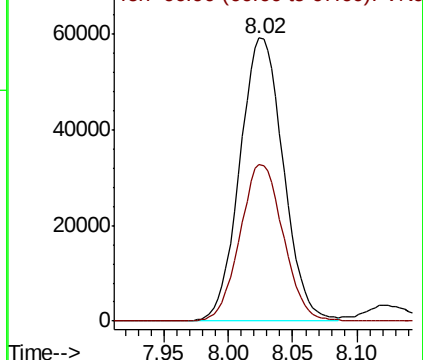
65 100

67 55.2 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

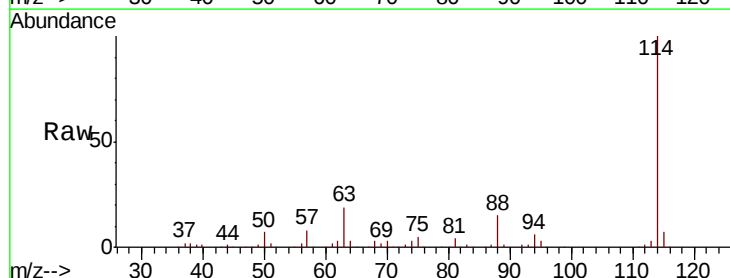
Tgt Ion: 114 Resp: 415362

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.2

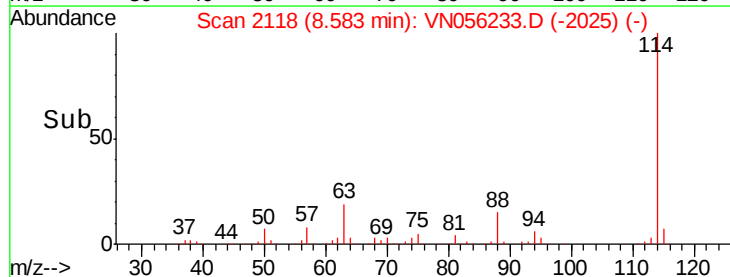
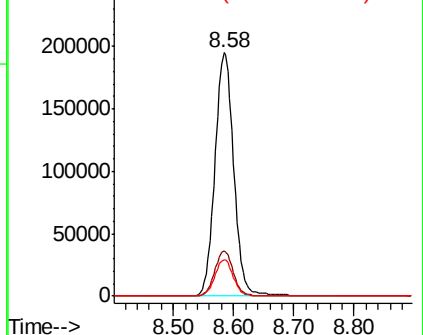
88 14.9 0.0 31.0

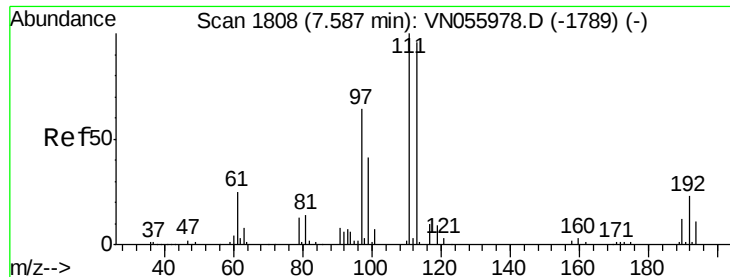


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

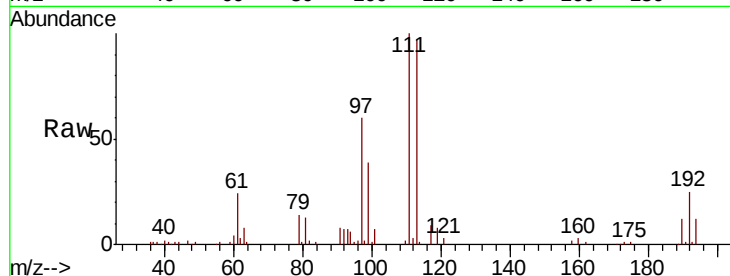




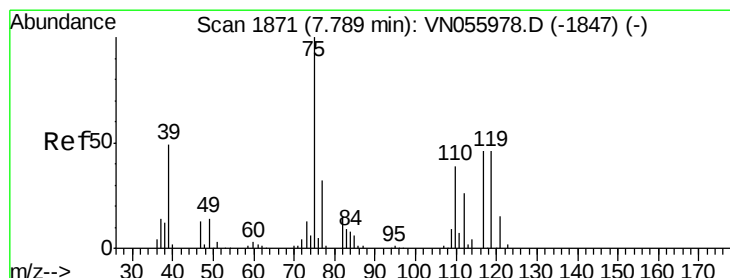
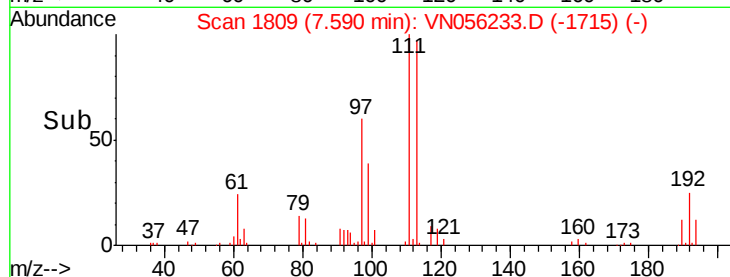
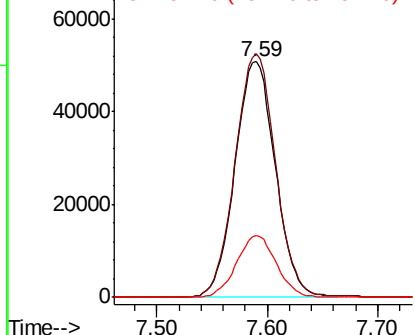
#35
 Dibromofluoromethane
 Concen: 50.638 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 129044
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.9 122.9
 192 25.7 19.5 29.3

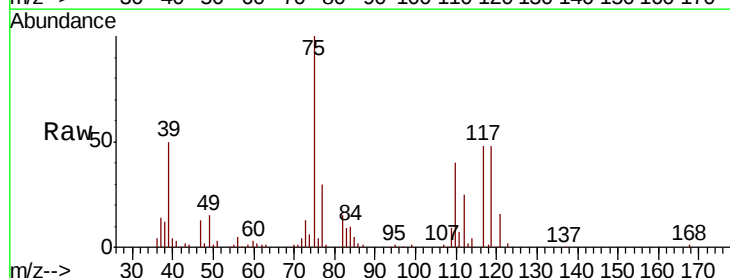


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

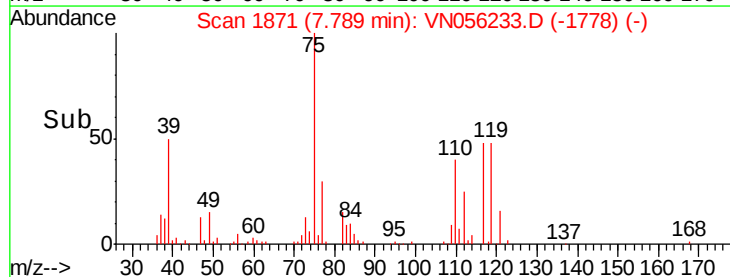
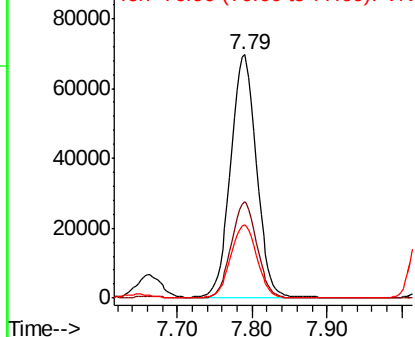


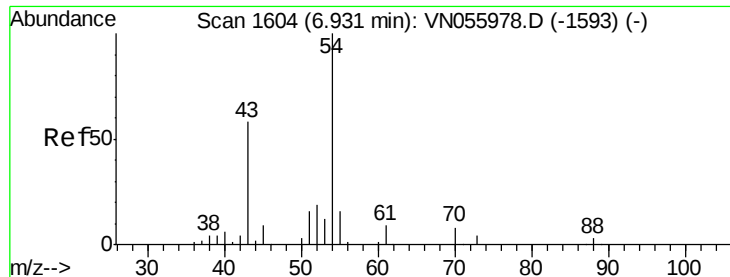
#36
 1,1-Dichloropropene
 Concen: 47.291 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 75 Resp: 168900
 Ion Ratio Lower Upper
 75 100
 110 38.9 19.0 57.0
 77 30.8 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

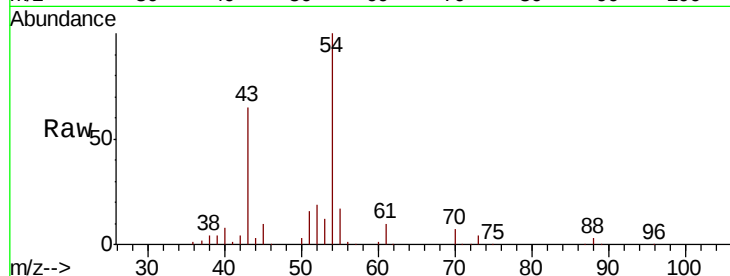




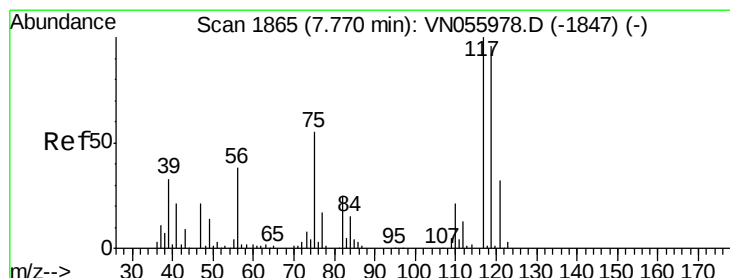
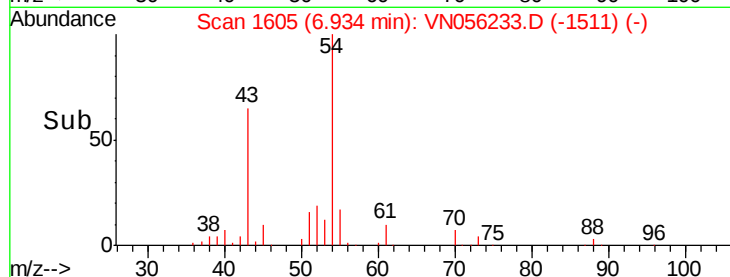
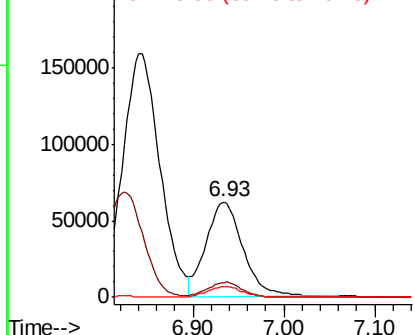
#37
Ethyl Acetate
Concen: 55.274 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 175651
Ion Ratio Lower Upper
43 100
61 15.3 12.2 18.2
70 10.9 8.9 13.3

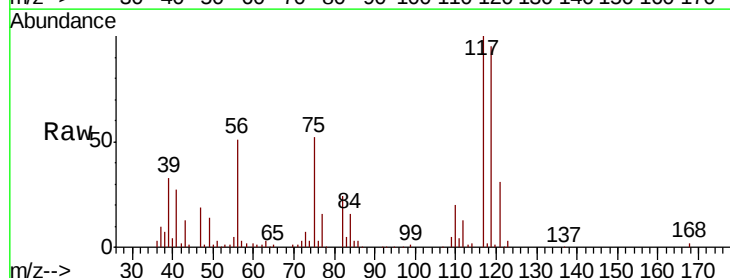


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

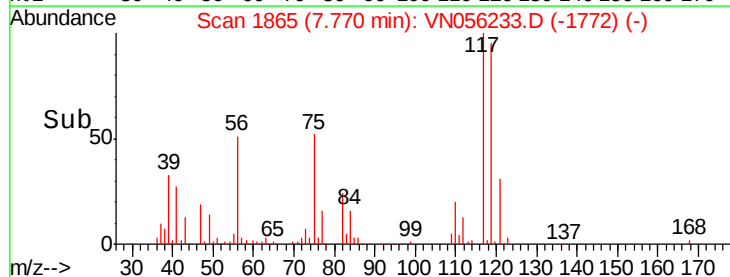
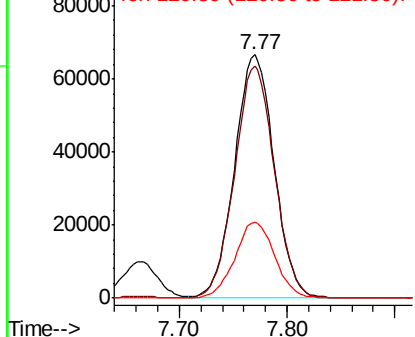


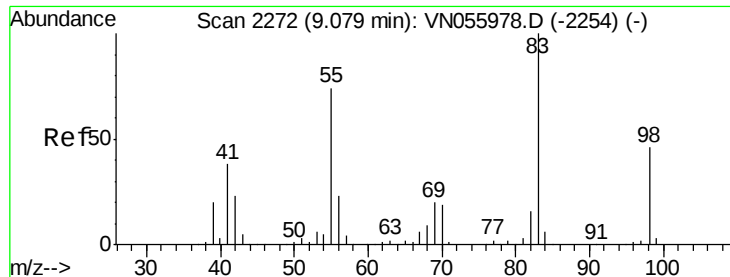
#38
Carbon Tetrachloride
Concen: 51.652 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 117 Resp: 170078
Ion Ratio Lower Upper
117 100
119 95.3 79.0 118.6
121 31.0 24.7 37.1



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

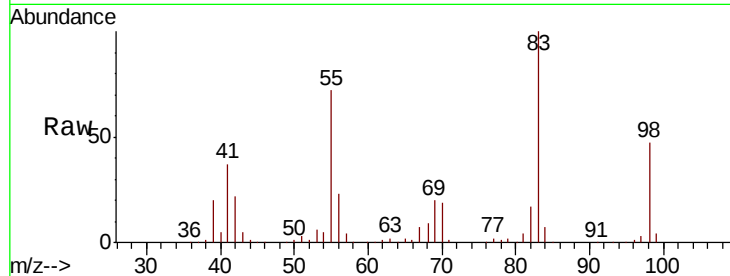




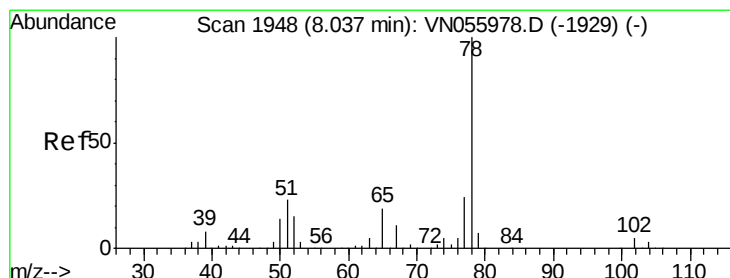
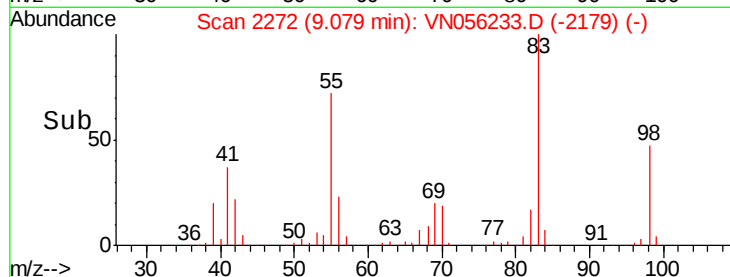
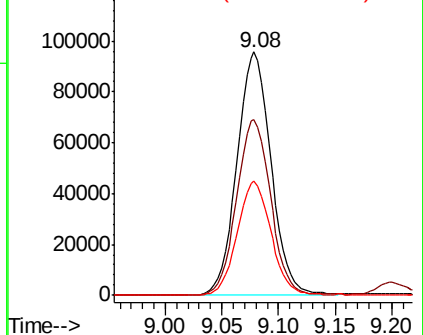
#39
Methvlcvclohexane
Concen: 45.319 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 201630
Ion Ratio Lower Upper
83 100
55 72.5 59.3 88.9
98 46.8 36.6 54.8

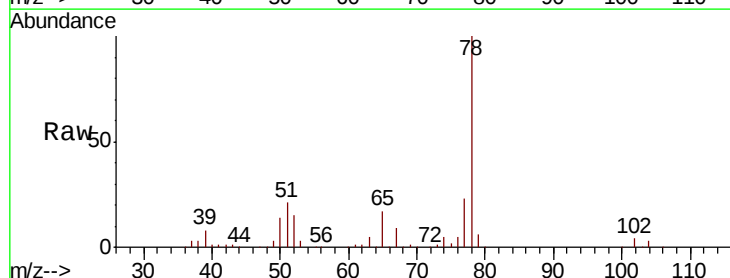


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

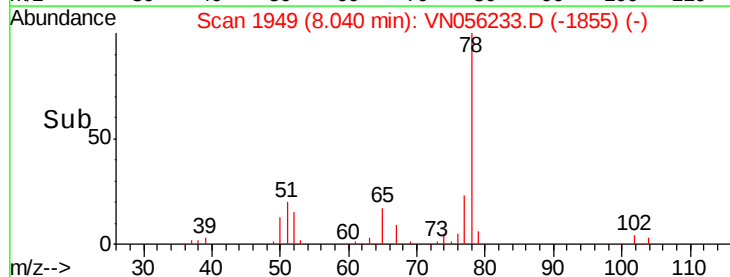
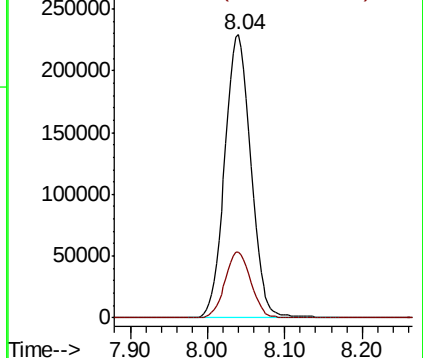


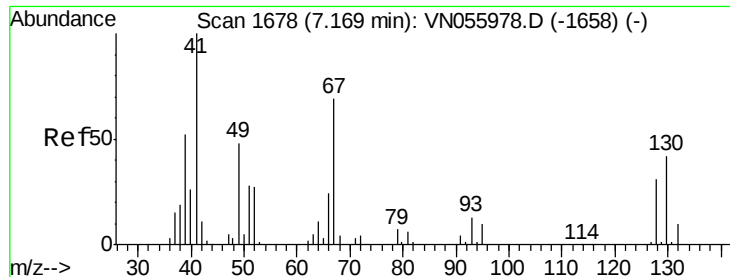
#40
Benzene
Concen: 49.556 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 78 Resp: 537557
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

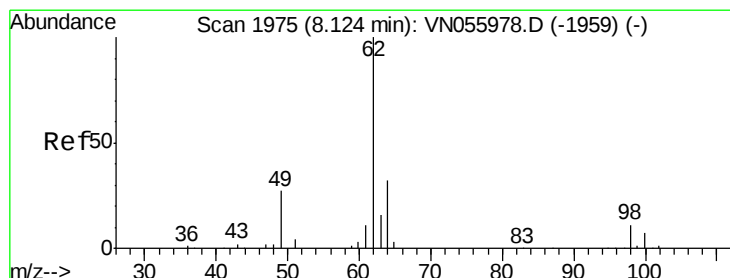
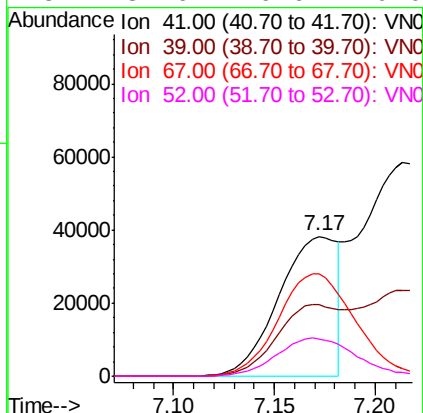
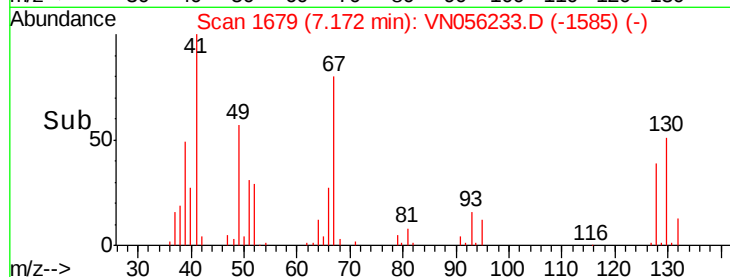
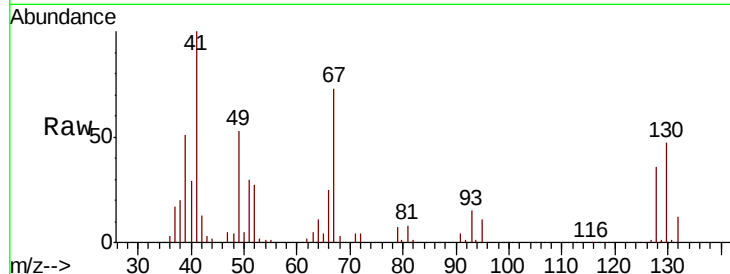




#41
Methacrylonitrile
Concen: 52.633 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

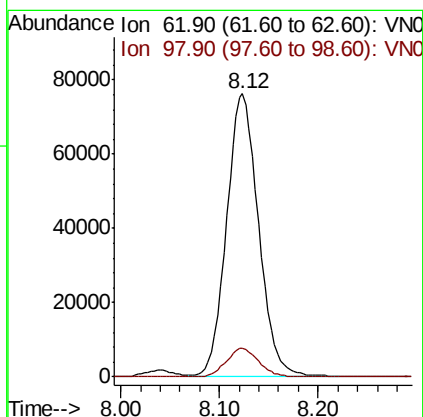
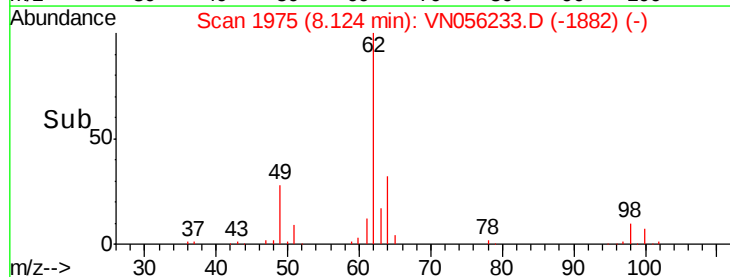
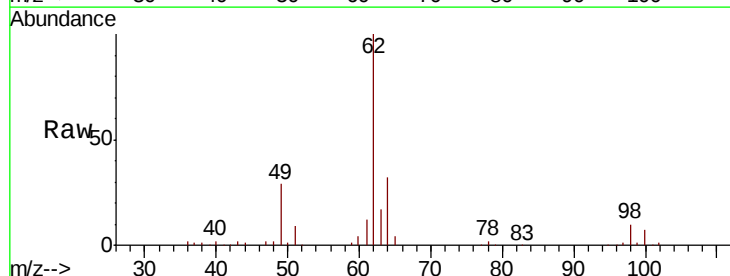
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

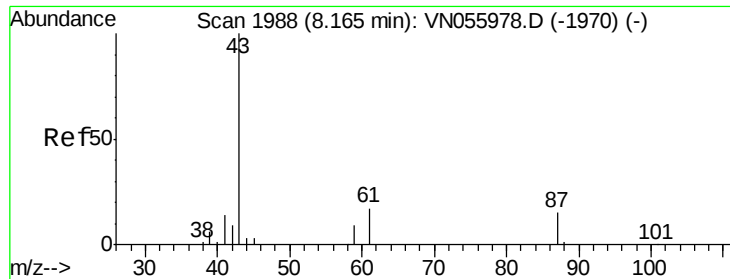
Tot Ion: 41 Resp: 76954
Ion Ratio Lower Upper
41 100
39 56.6 45.6 68.4
67 97.1 67.7 101.5
52 37.6 26.6 40.0



#42
1,2-Dichloroethane
Concen: 49.174 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 62 Resp: 171582
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.2





#43

Isopropyl Acetate

Concen: 51.777 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

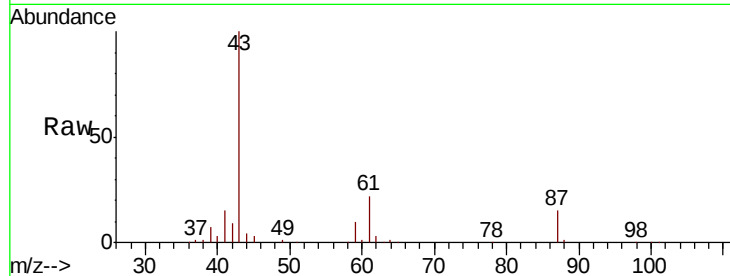
Tot Ion: 43 Resp: 266627

Ion Ratio Lower Upper

43 100

61 21.9 22.2 33.4#

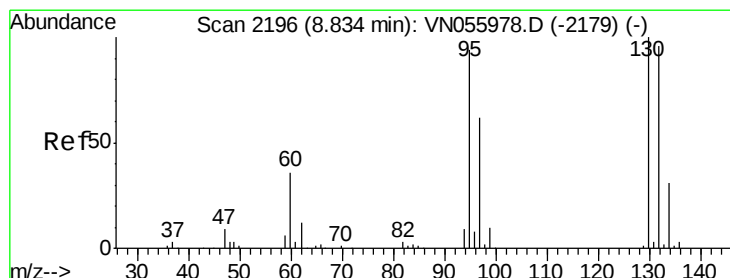
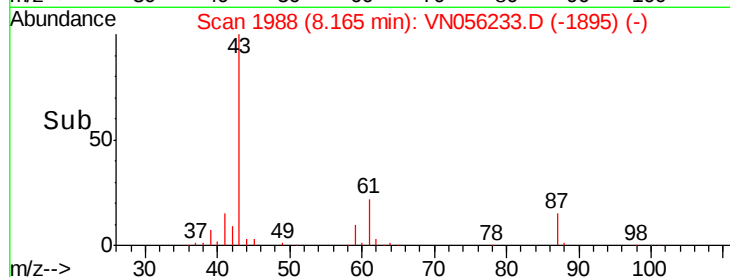
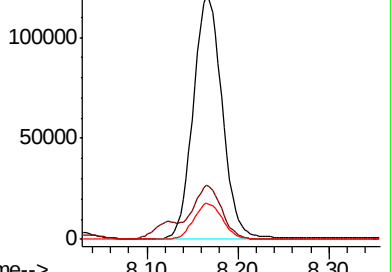
87 14.8 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#44

Trichloroethene

Concen: 49.161 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056233.D

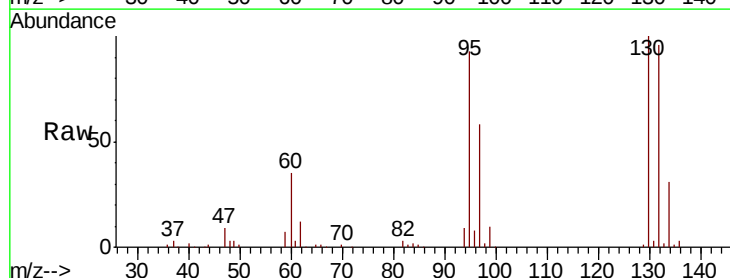
Acq: 11 Jun 2019 19:23

Tgt Ion: 130 Resp: 153235

Ion Ratio Lower Upper

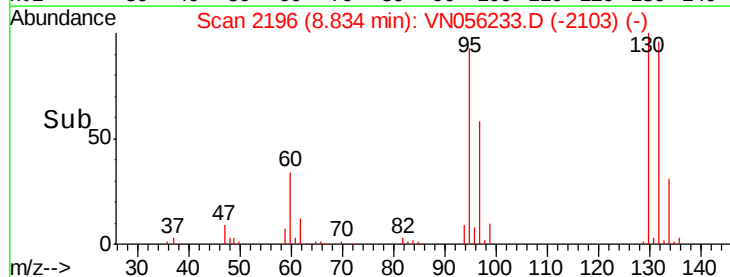
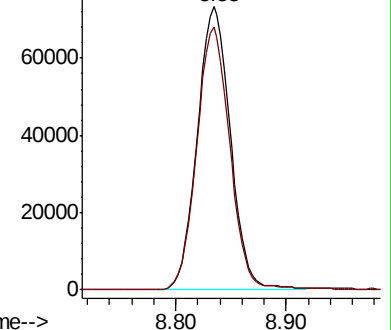
130 100

95 92.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

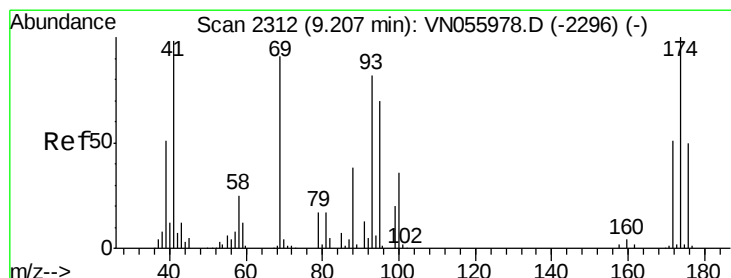
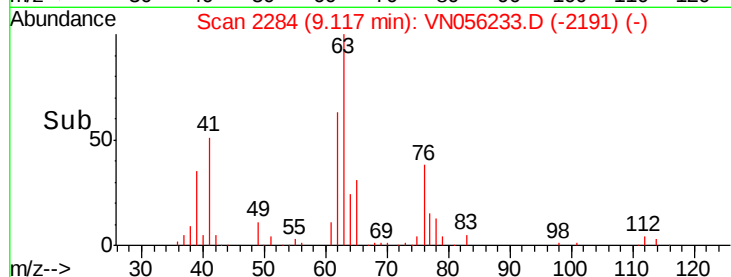
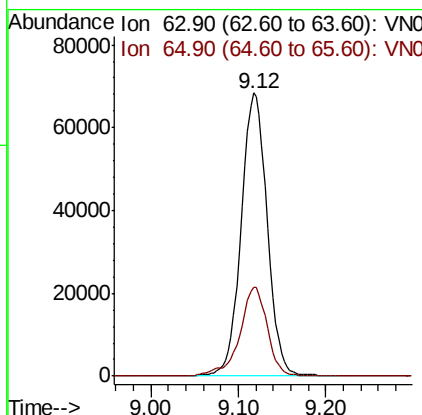
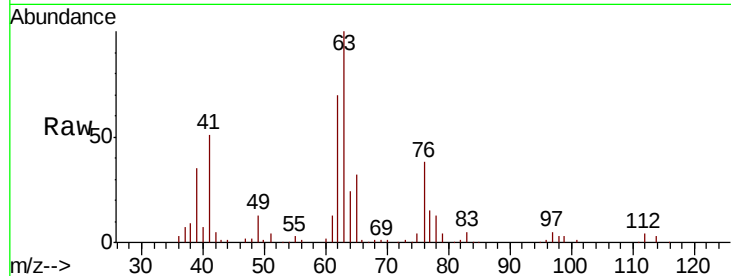




#45
 1,2-Dichloropropane
 Concen: 50.941 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

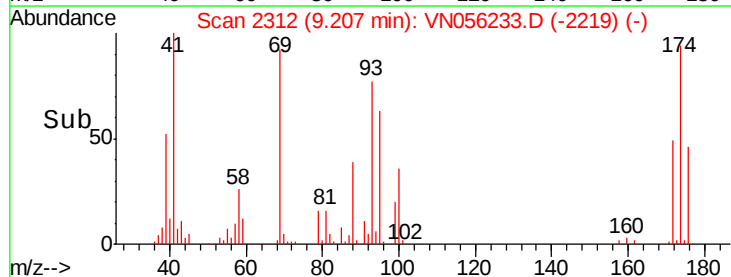
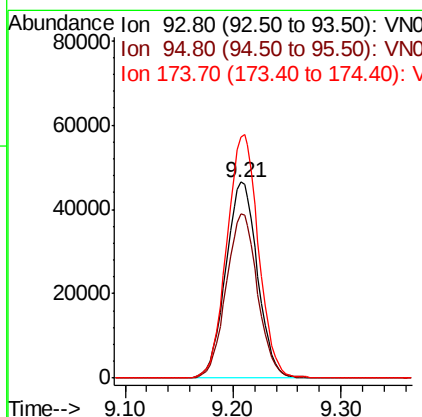
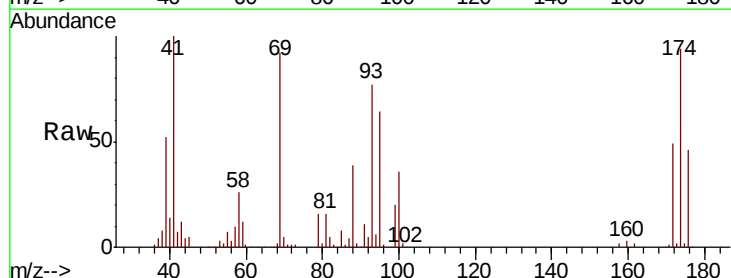
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 141541
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 36.8



#46
 Dibromomethane
 Concen: 52.516 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 93 Resp: 95418
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.7 100.1
 174 123.6 96.4 144.6





#47

Bromodichloromethane

Concen: 54.787 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

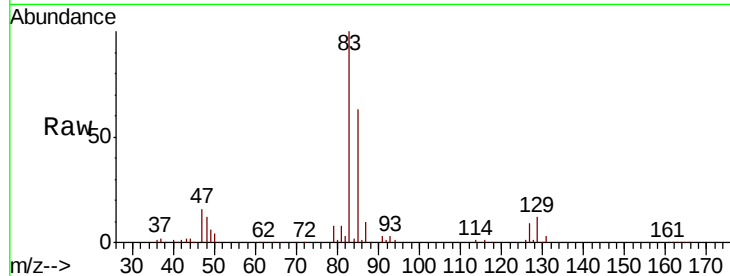
Tot Ion: 83 Resp: 180417

Ion Ratio Lower Upper

83 100

85 62.6 52.2 78.2

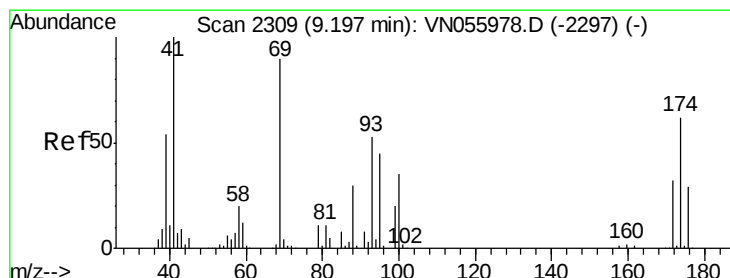
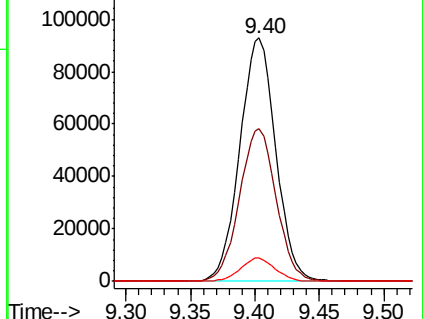
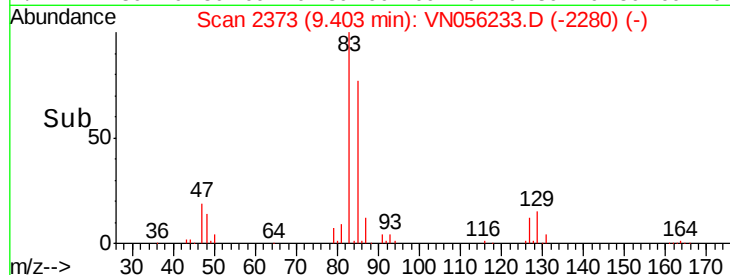
127 9.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056233.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN056233.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN056233.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.868 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

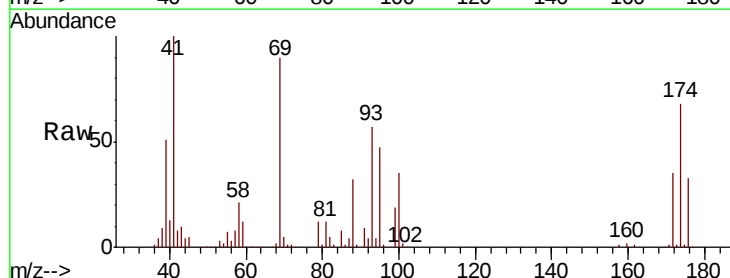
Tgt Ion: 41 Resp: 135708

Ion Ratio Lower Upper

41 100

69 90.0 71.0 106.6

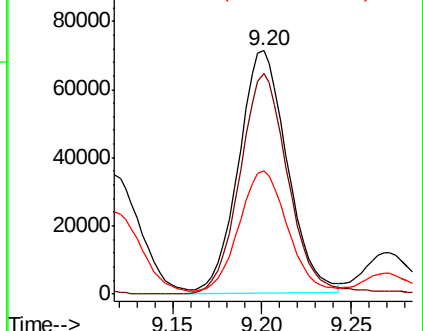
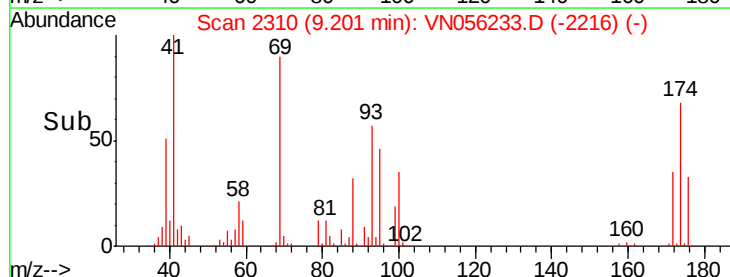
39 51.2 44.2 66.2

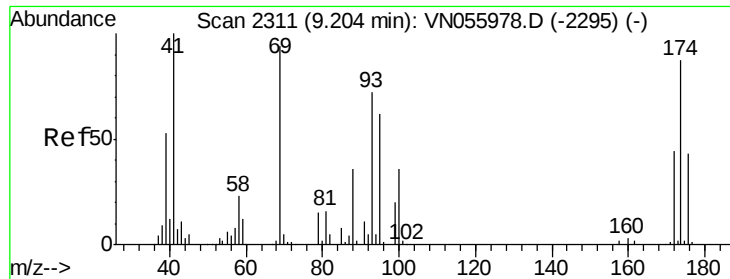


Abundance Ion 41.00 (40.70 to 41.70): VN056233.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN056233.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN056233.D (-2216) (-)

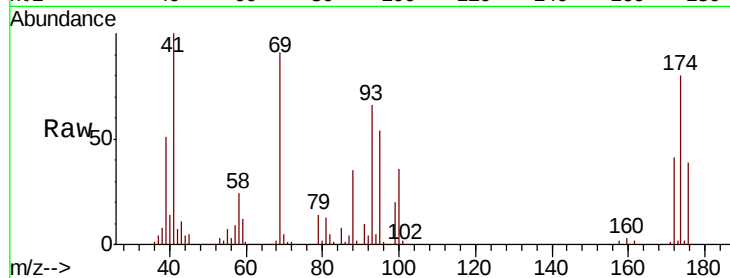




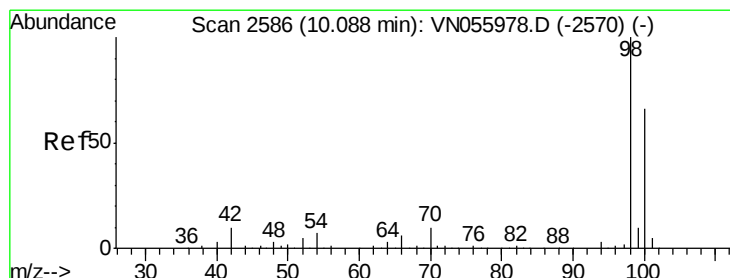
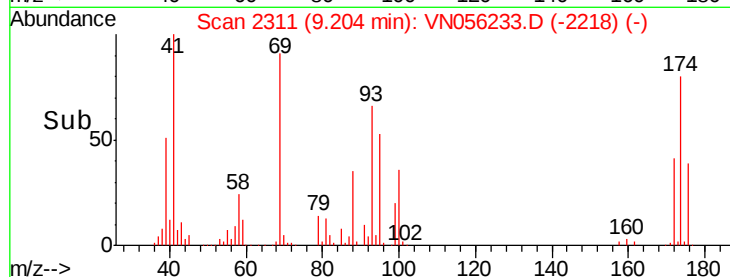
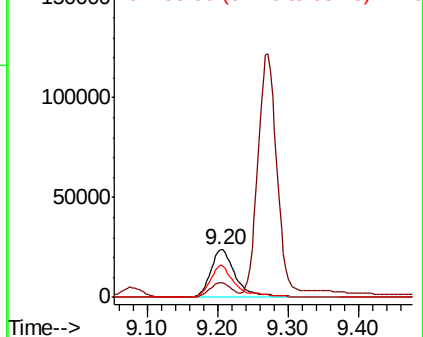
#49
1,4-Dioxane
Concen: 1094.495 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 59528
Ion Ratio Lower Upper
88 100
43 24.7 20.5 30.7
58 66.9 55.8 83.6

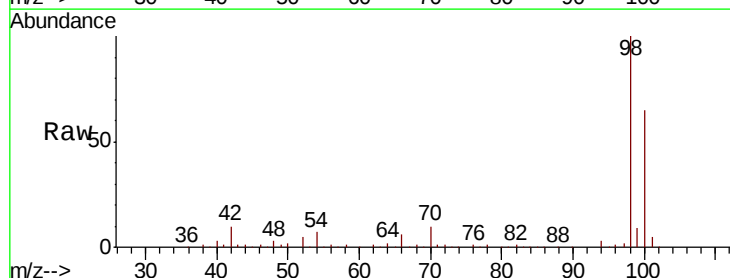


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

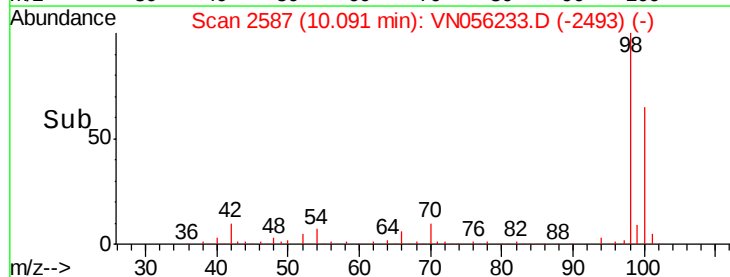
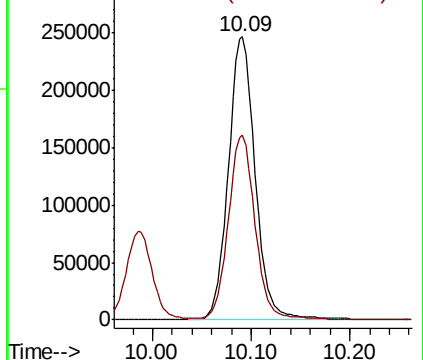


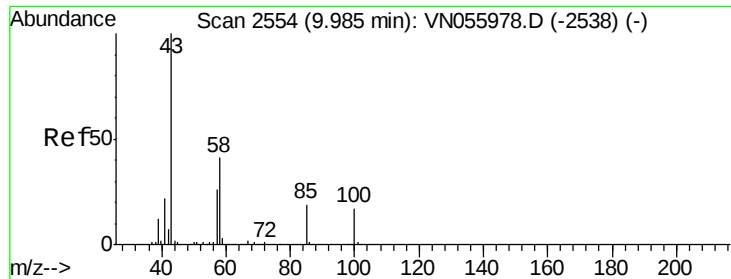
#50
Toluene-d8
Concen: 47.845 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 98 Resp: 469180
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



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: 274.876 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

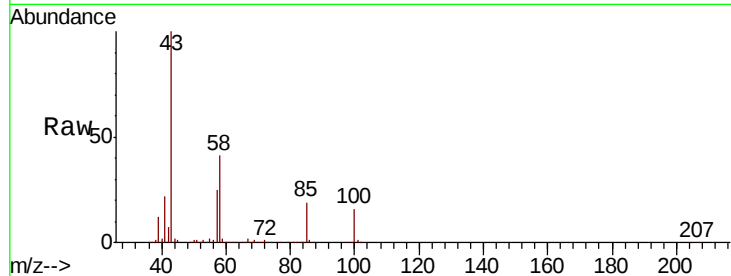
VSTDCCC050EC

Tot Ion: 43 Resp: 885172

Ion Ratio Lower Upper

43 100

58 40.1 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

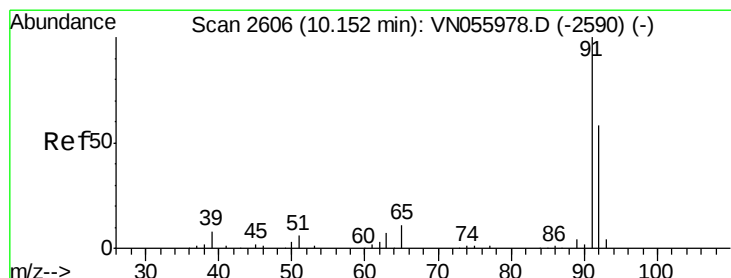
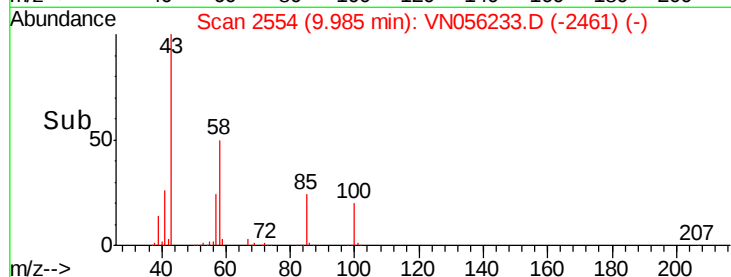
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.267 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056233.D

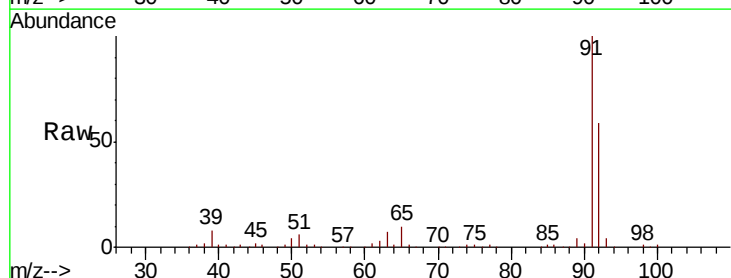
Acq: 11 Jun 2019 19:23

Tgt Ion: 92 Resp: 339301

Ion Ratio Lower Upper

92 100

91 172.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

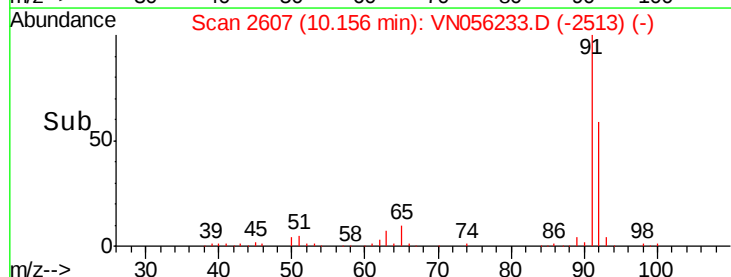
300000

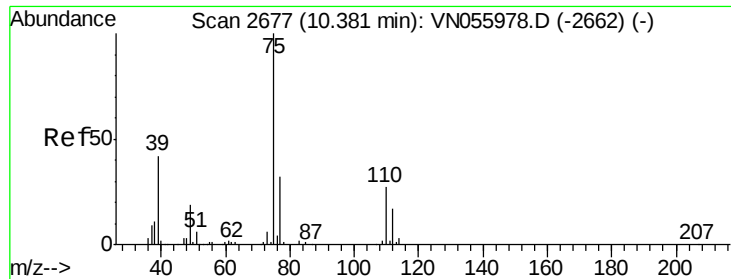
200000

100000

0

Time-->

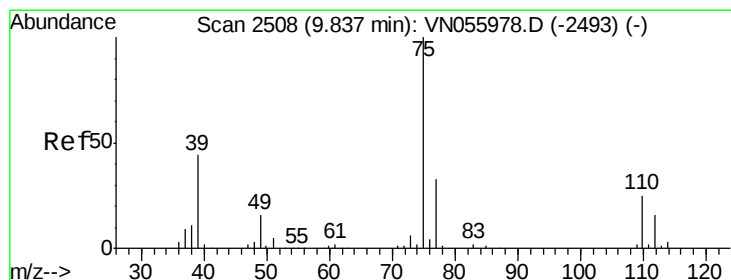
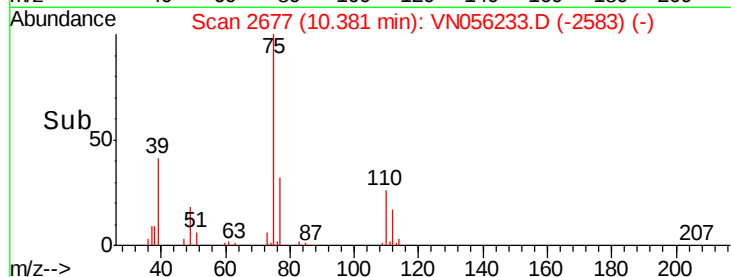
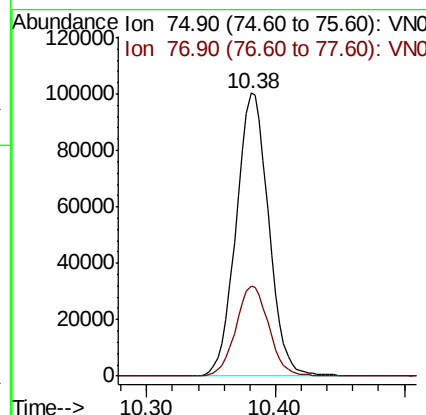
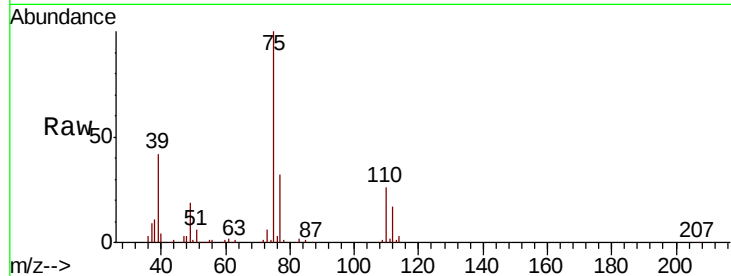




#53
t-1,3-Dichloropropene
Concen: 45.778 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

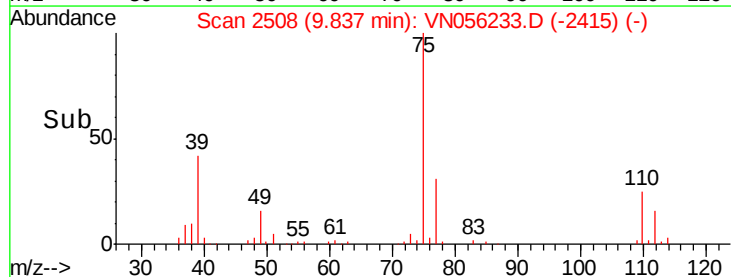
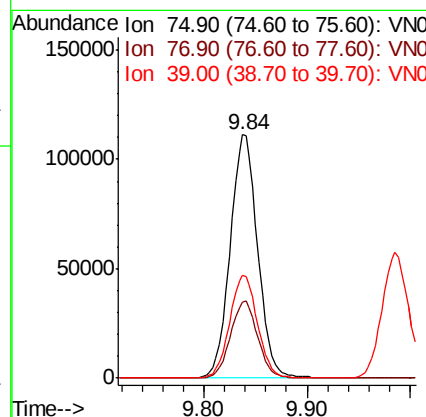
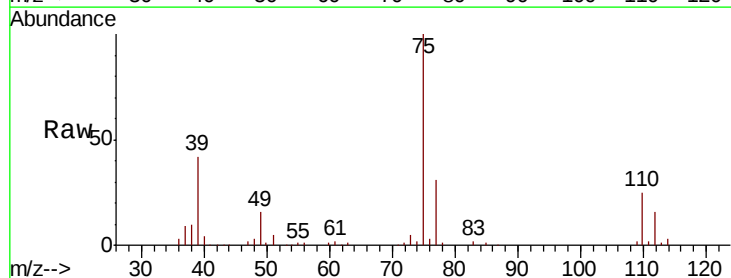
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

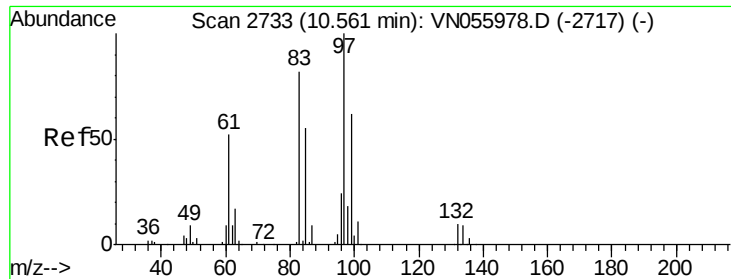
Tot Ion: 75 Resp: 175920
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 52.153 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 75 Resp: 206436
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0
39 42.2 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 52.629 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 140718

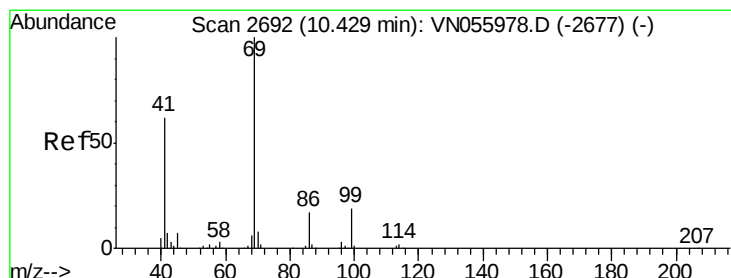
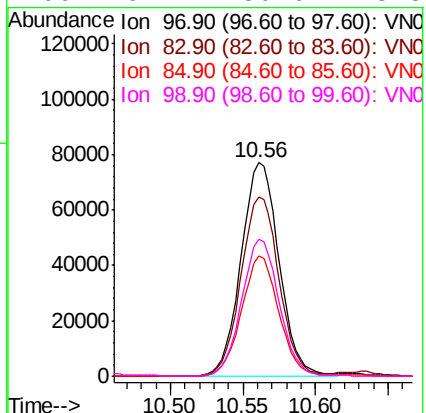
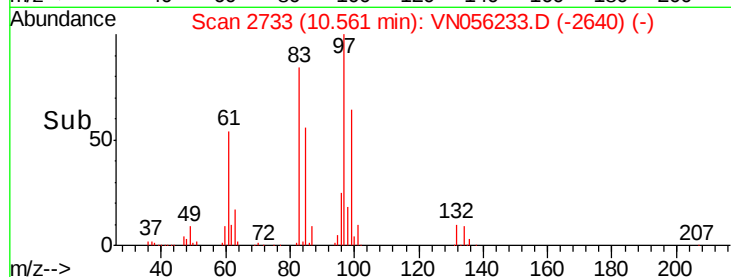
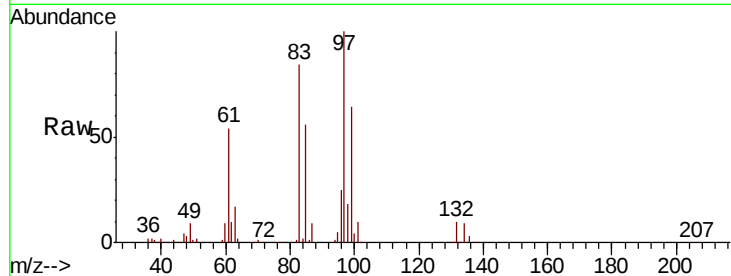
Ion Ratio Lower Upper

97 100

83 84.0 67.0 100.6

85 56.3 44.0 66.0

99 64.2 50.6 75.8



#56

Ethyl methacrylate

Concen: 53.582 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

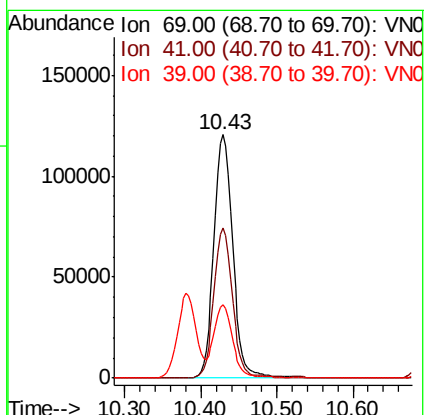
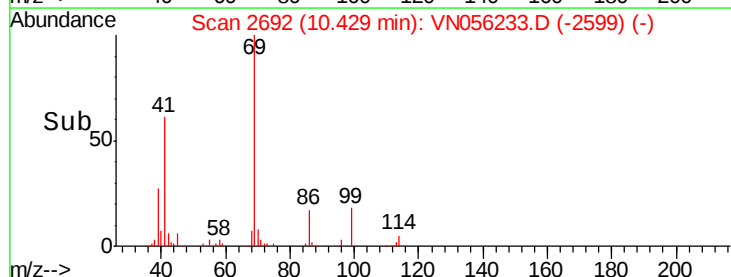
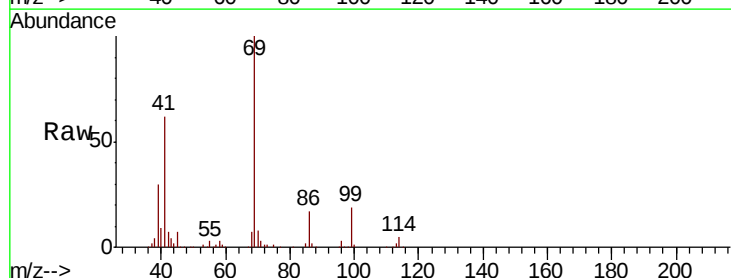
Tgt Ion: 69 Resp: 209010

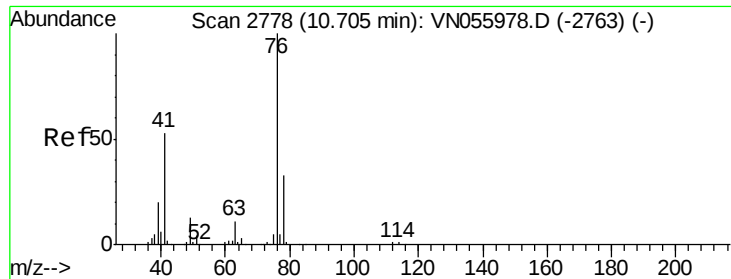
Ion Ratio Lower Upper

69 100

41 59.9 49.7 74.5

39 29.6 24.7 37.1

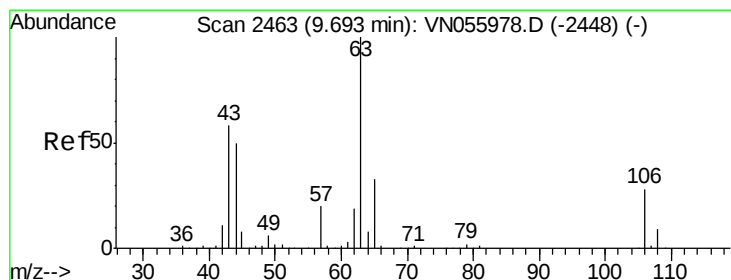
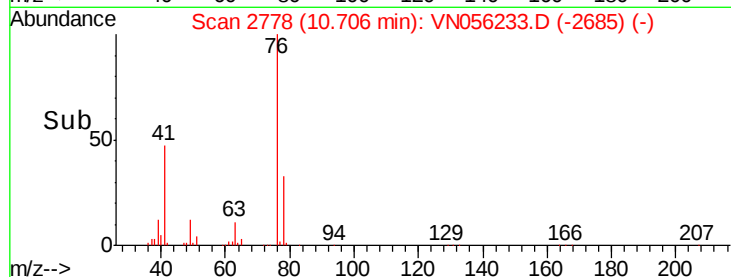
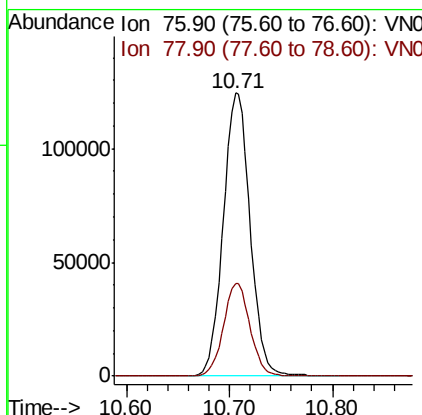
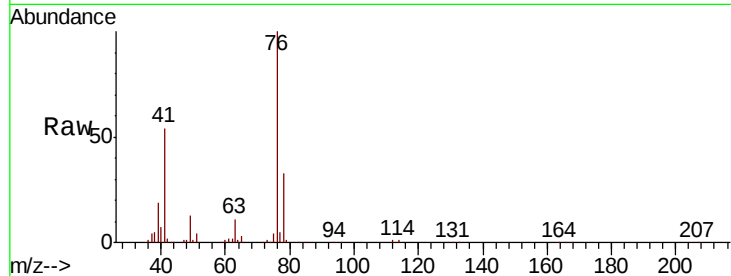




#57
 1,3-Dichloropropane
 Concen: 52.014 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

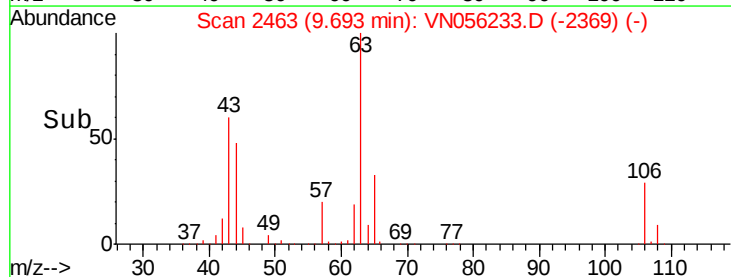
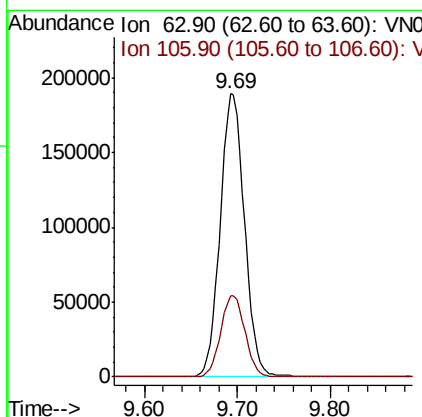
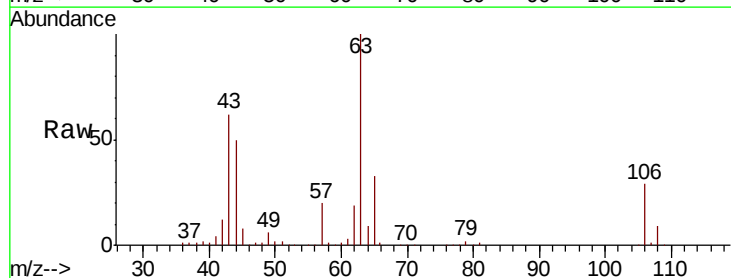
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

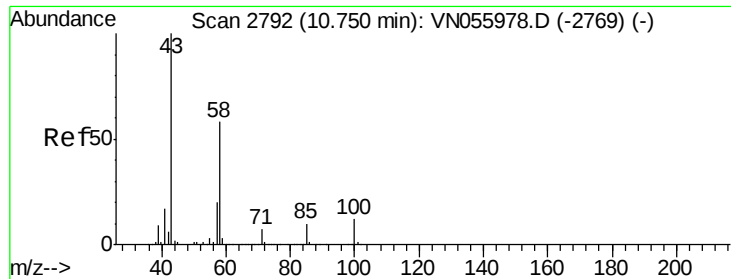
Tot Ion: 76 Resp: 226084
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.275 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion: 63 Resp: 344345
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.7 34.1

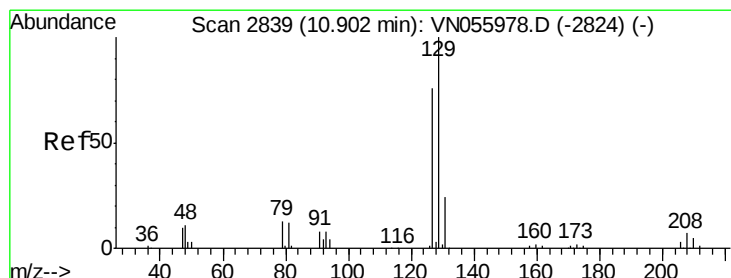
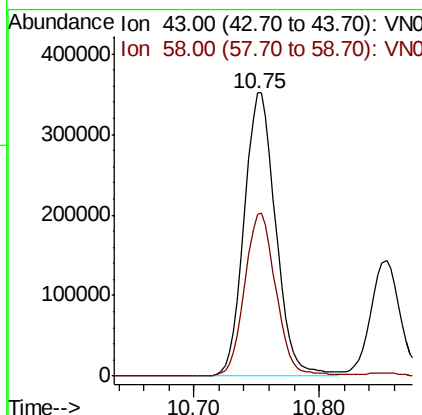
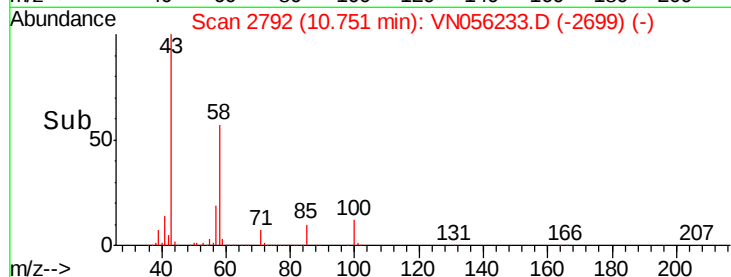
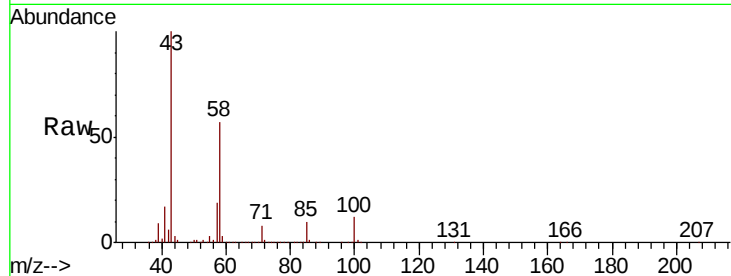




#59
2-Hexanone
Concen: 263.078 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

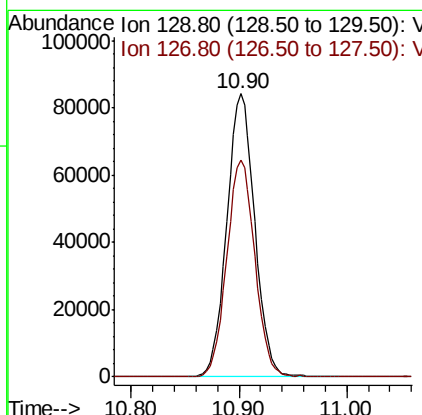
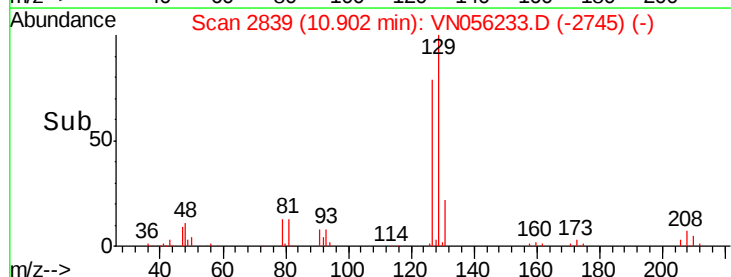
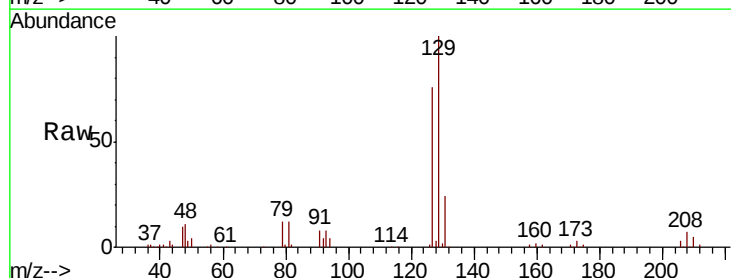
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

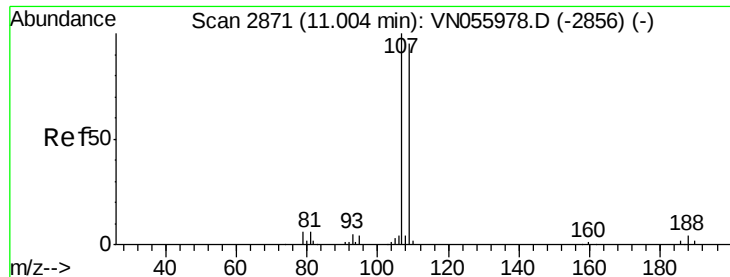
Tot Ion: 43 Resp: 614015
Ion Ratio Lower Upper
43 100
58 57.2 28.2 84.7



#60
Dibromochloromethane
Concen: 51.291 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 129 Resp: 151449
Ion Ratio Lower Upper
129 100
127 76.8 38.1 114.3





#61

1,2-Dibromoethane

Concen: 52.923 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

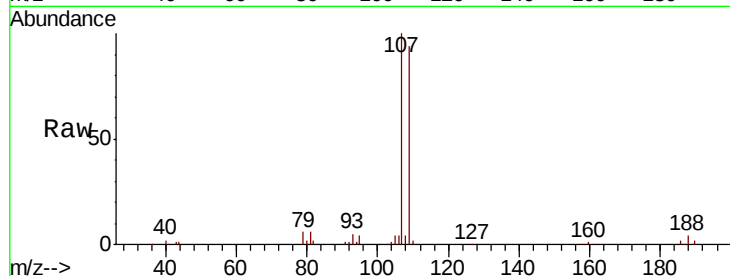
VSTDCCC050EC

Tot Ion:107 Resp: 144660

Ion Ratio Lower Upper

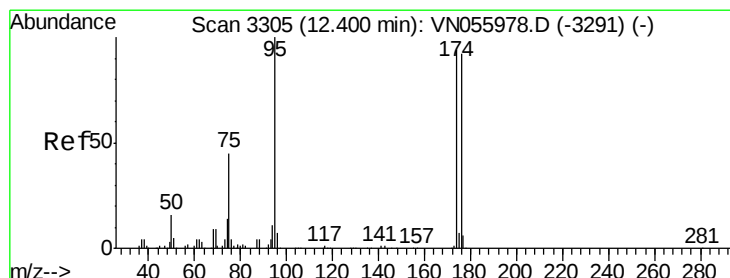
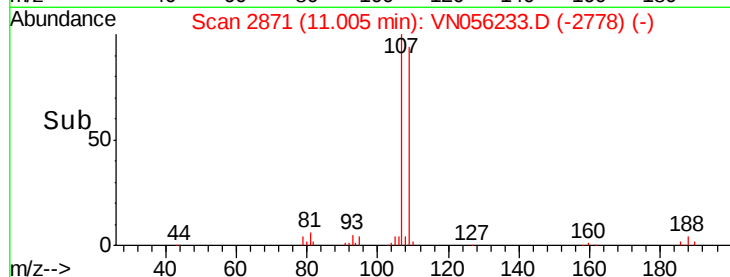
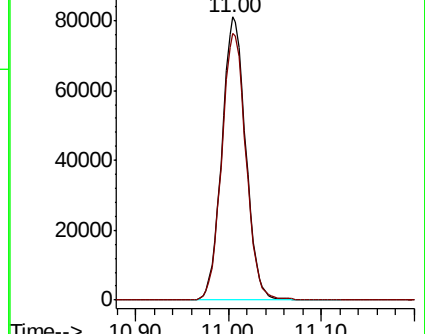
107 100

109 95.8 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.128 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

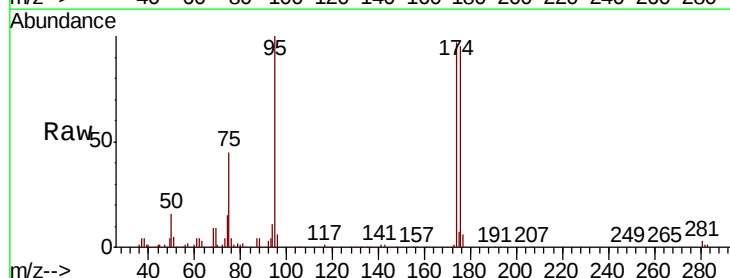
Tgt Ion: 95 Resp: 163833

Ion Ratio Lower Upper

95 100

174 97.6 0.0 191.0

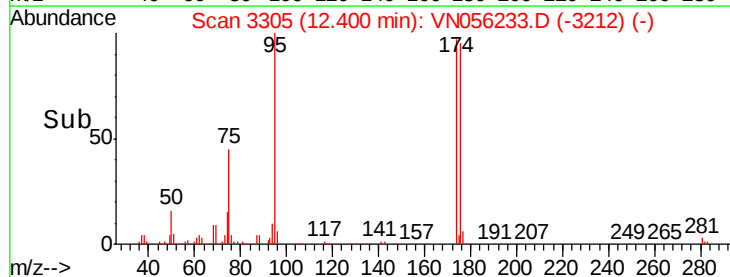
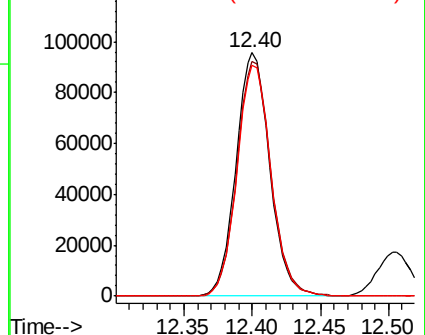
176 95.6 0.0 185.2

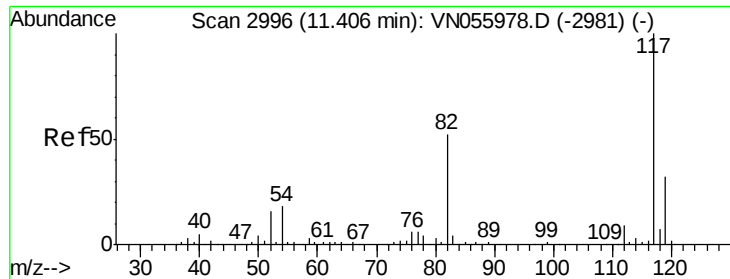


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

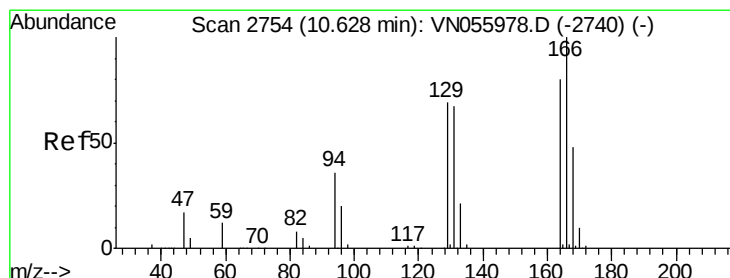
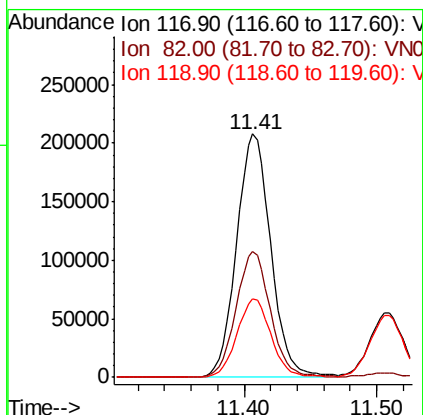
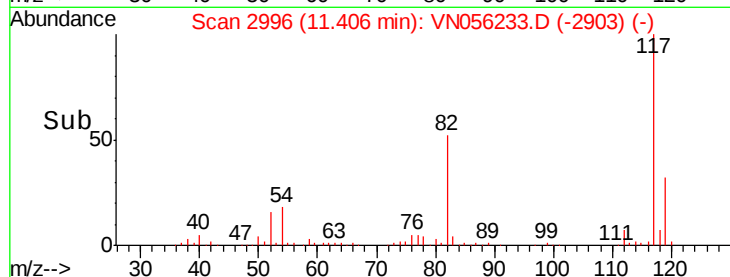
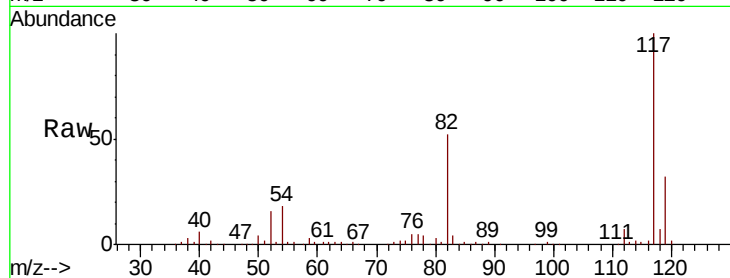




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

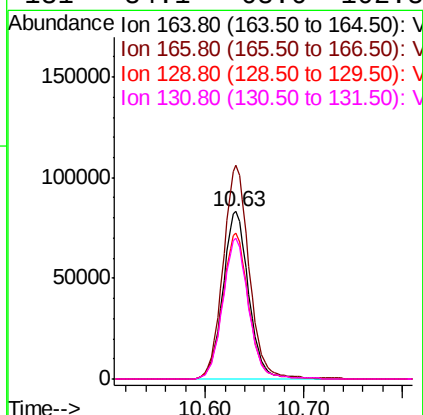
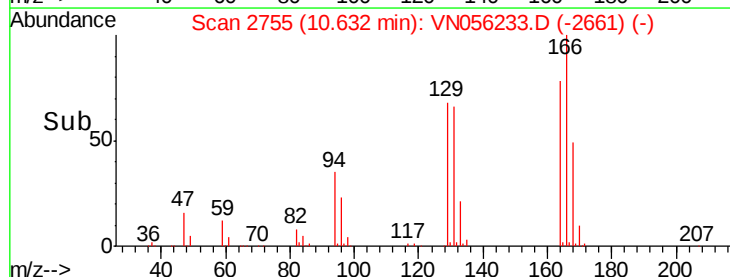
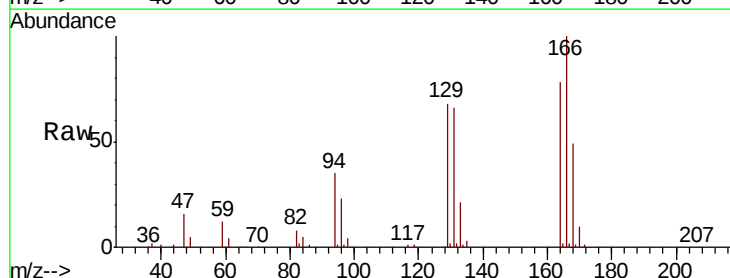
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 373505
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 32.3 25.4 38.0



#64
Tetrachloroethene
Concen: 47.223 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:164 Resp: 152678
Ion Ratio Lower Upper
164 100
166 127.8 103.0 154.6
129 87.2 70.6 105.8
131 84.1 68.6 102.8

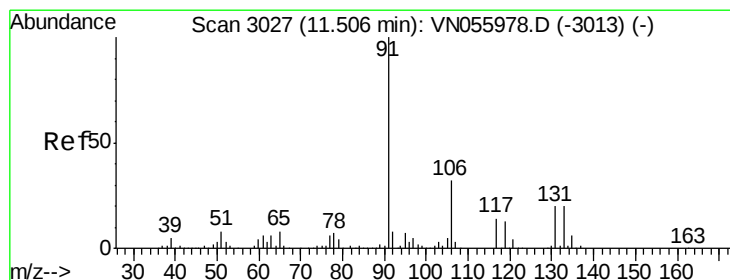
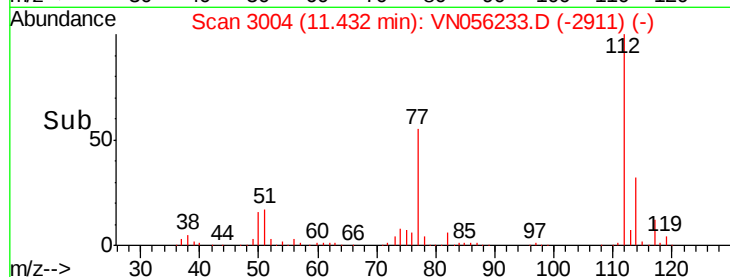
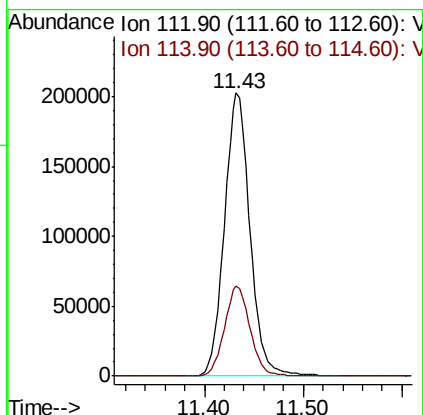
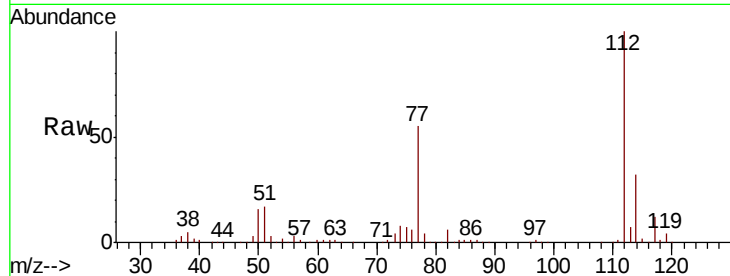




#65
Chlorobenzene
Concen: 49.493 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

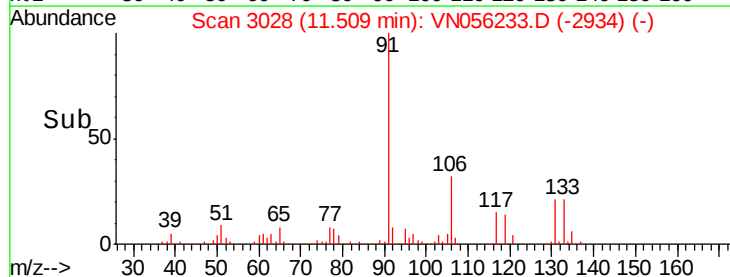
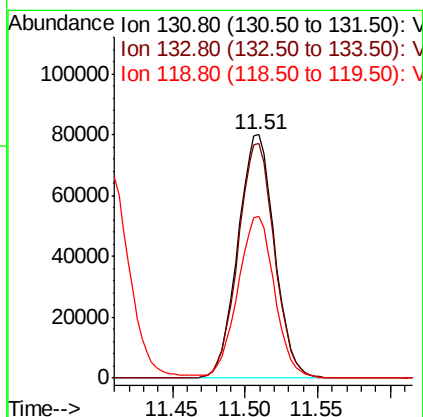
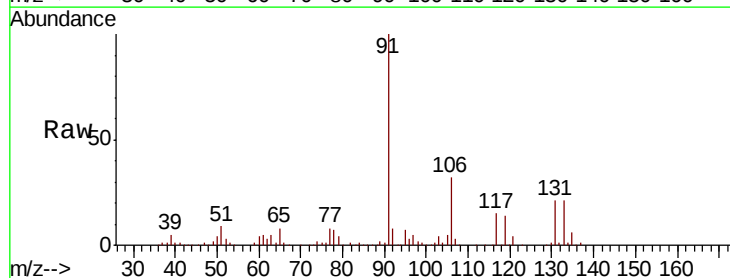
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

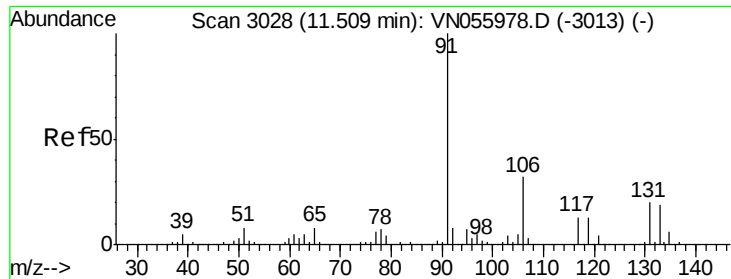
Tot Ion:112 Resp: 367906
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.755 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:131 Resp: 140540
Ion Ratio Lower Upper
131 100
133 96.3 48.0 144.0
119 66.8 33.1 99.5

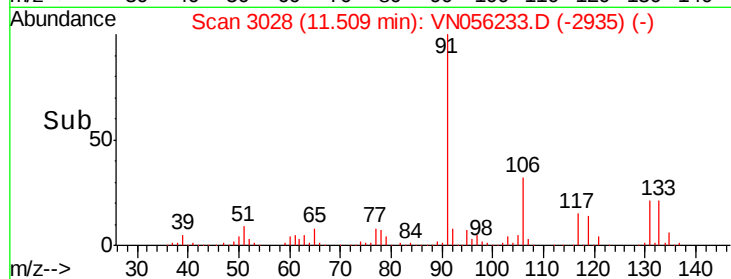
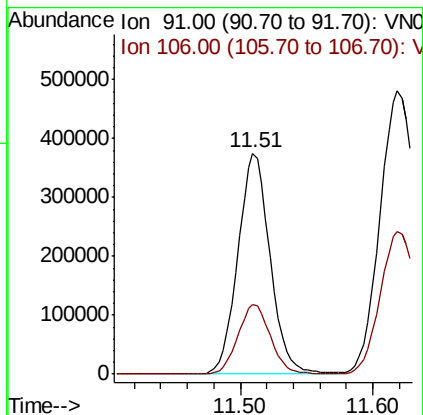
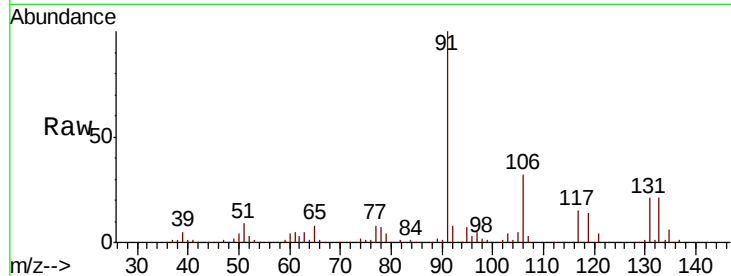




#67
Ethyl Benzene
Concen: 48.928 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

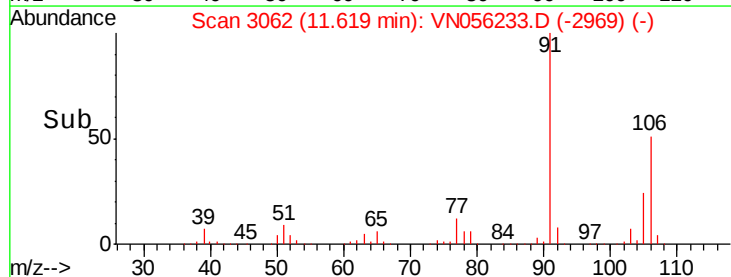
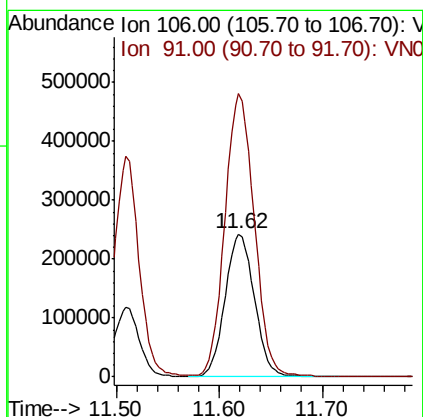
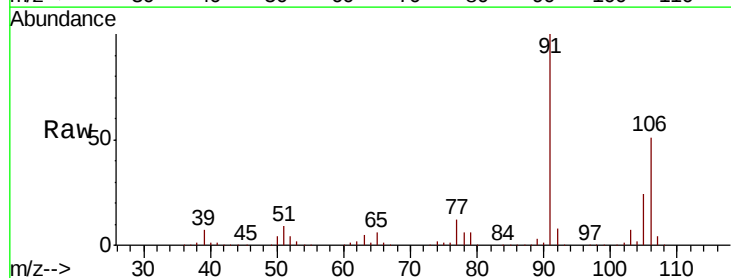
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

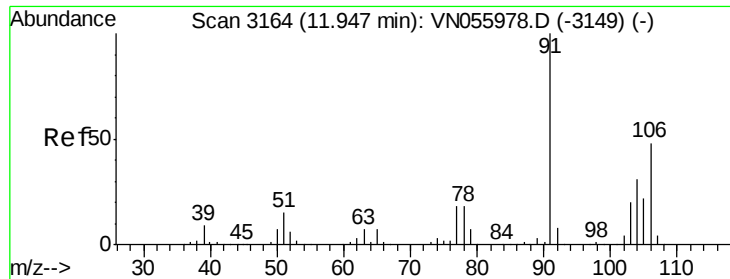
Tot Ion: 91 Resp: 632432
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 97.817 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion: 106 Resp: 482995
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9

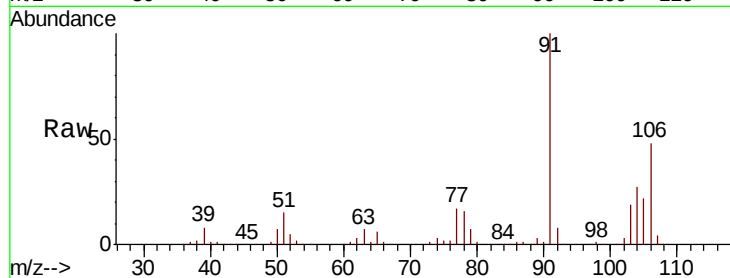




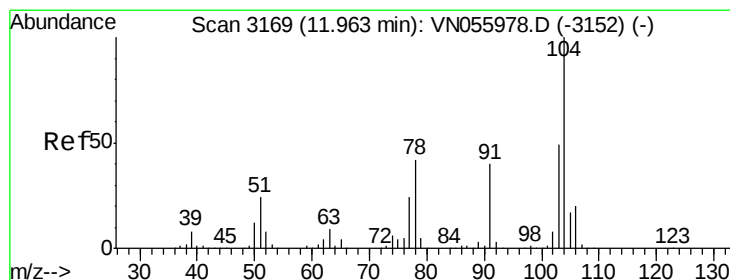
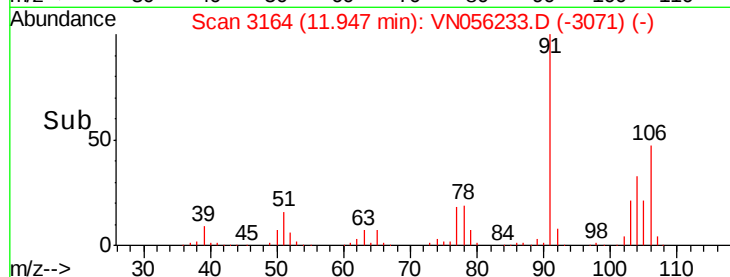
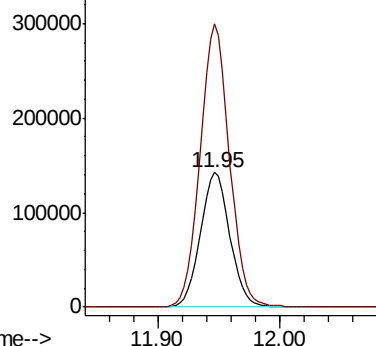
#69
o-Xylene
Concen: 49.556 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 240695
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1

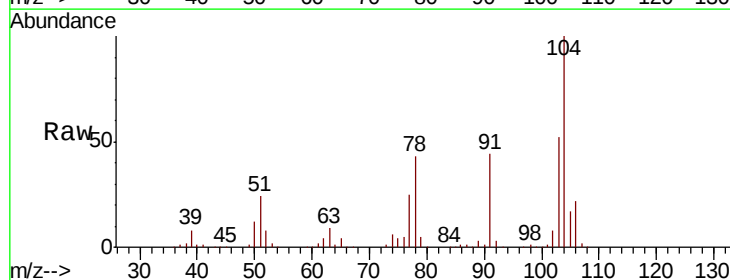


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

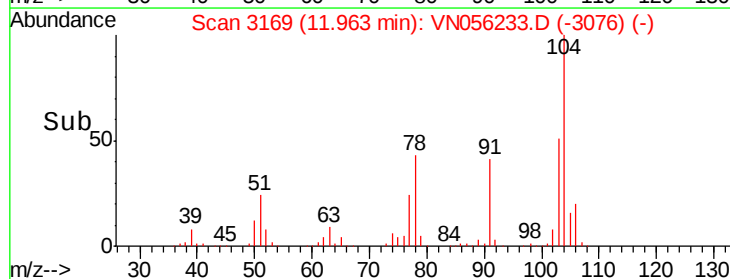
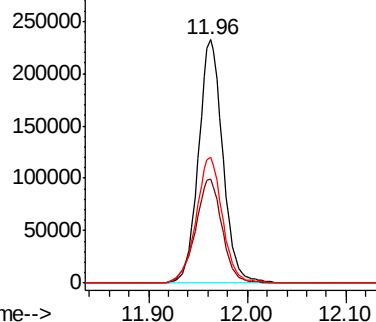


#70
Styrene
Concen: 51.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:104 Resp: 400961
Ion Ratio Lower Upper
104 100
78 46.8 37.8 56.6
103 56.1 44.2 66.2



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

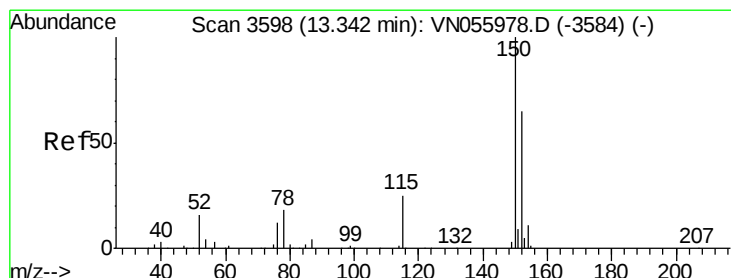
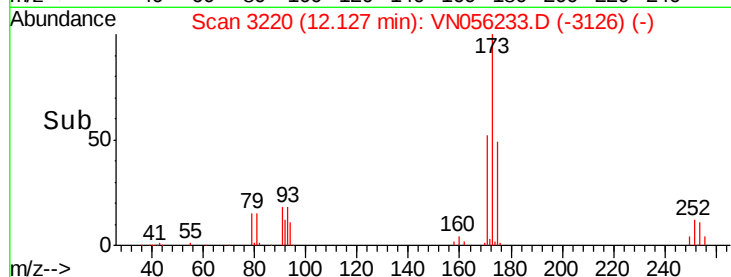
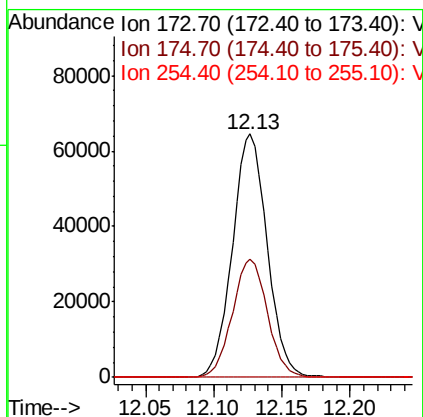
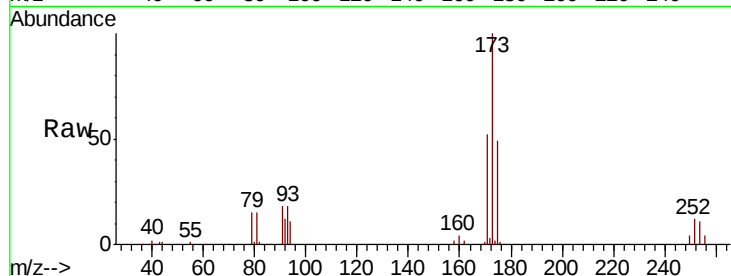




#71
Bromoform
Concen: 52.710 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

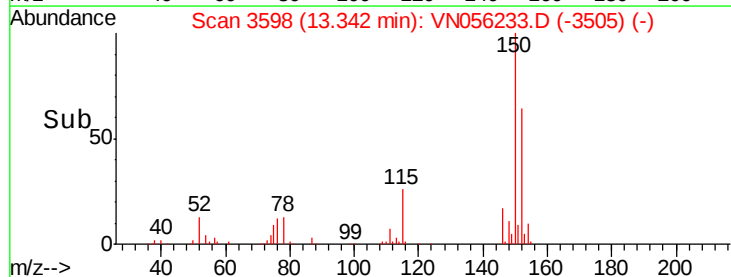
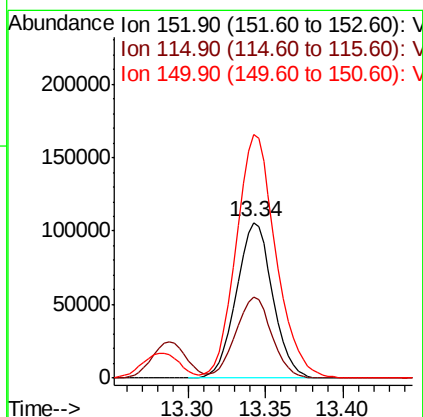
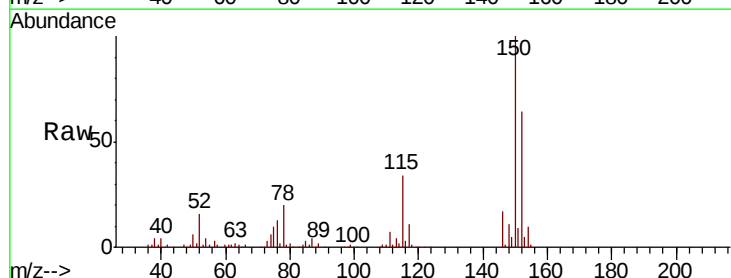
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 113922
Ion Ratio Lower Upper
173 100
175 49.0 24.3 72.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:152 Resp: 171777
Ion Ratio Lower Upper
152 100
115 52.0 27.0 81.0
150 171.7 0.0 343.2





#73

Isopropylbenzene

Concen: 51.901 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

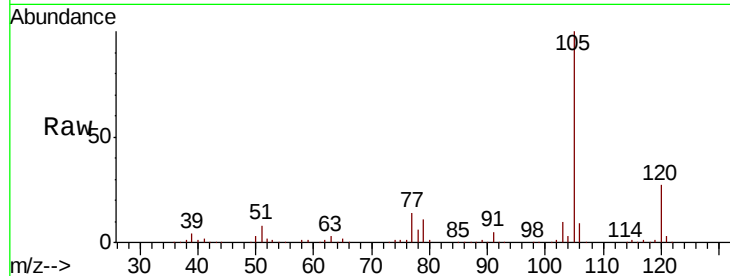
VSTDCCC050EC

Tot Ion:105 Resp: 634369

Ion Ratio Lower Upper

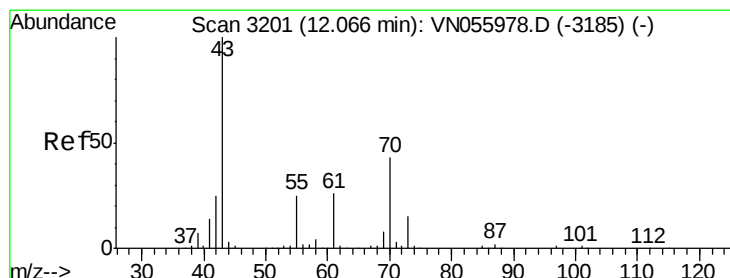
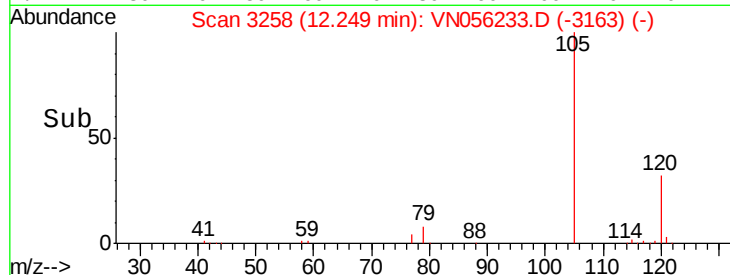
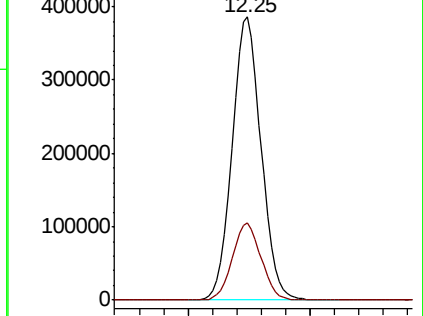
105 100

120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.370 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Tgt Ion: 43 Resp: 221483

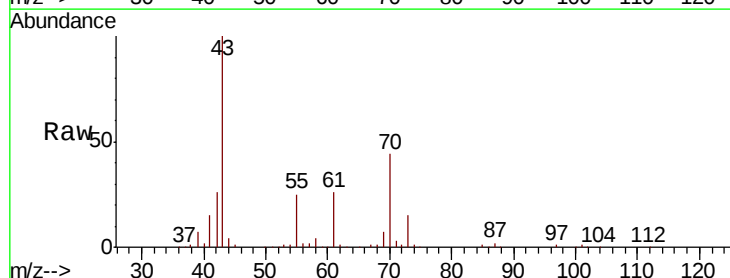
Ion Ratio Lower Upper

43 100

70 44.3 34.0 51.0

55 25.4 18.6 28.0

61 25.4 20.0 30.0

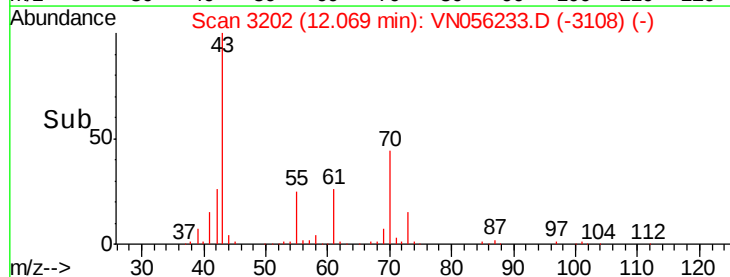
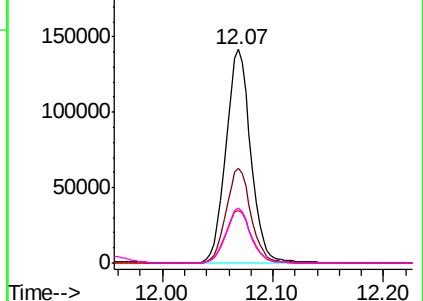


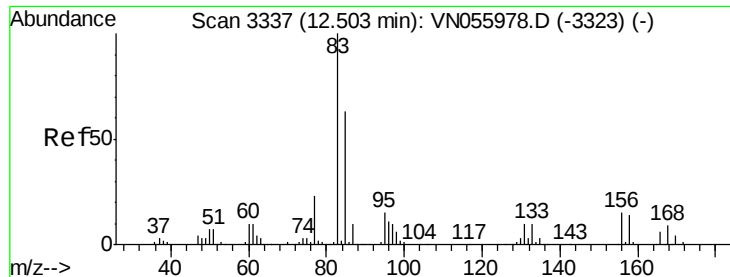
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 48.922 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

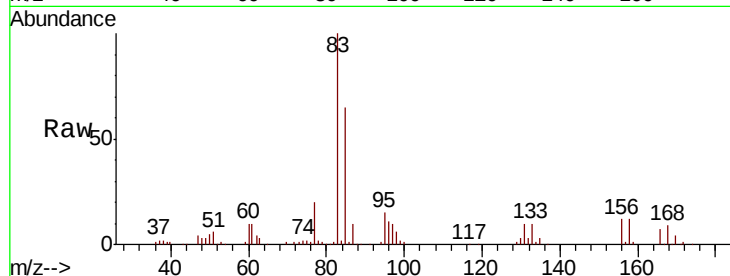
Tot Ion: 83 Resp: 195087

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

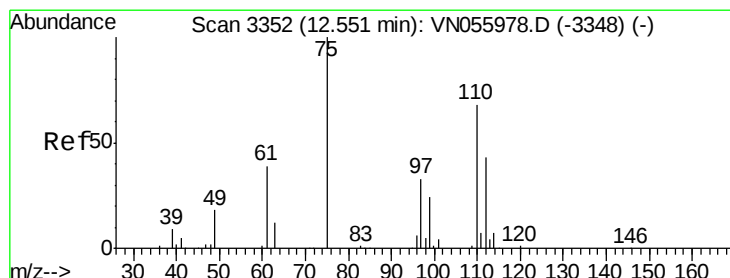
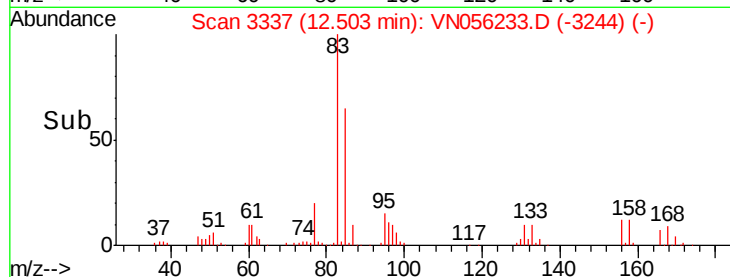
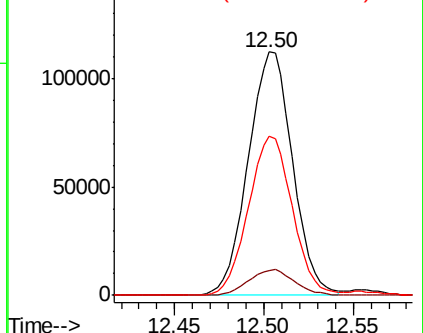
85 64.8 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055978.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055978.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055978.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 70.550 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056233.D

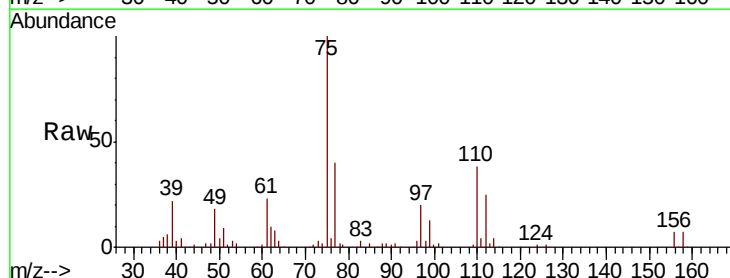
Acq: 11 Jun 2019 19:23

Tgt Ion: 75 Resp: 222993

Ion Ratio Lower Upper

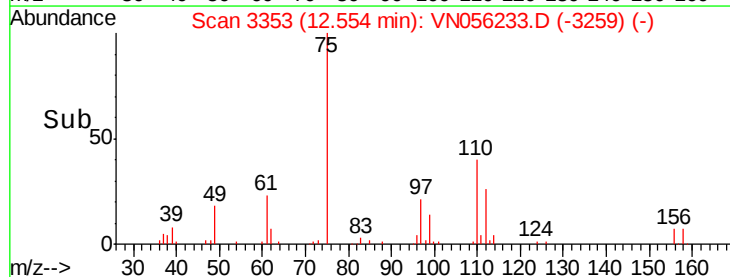
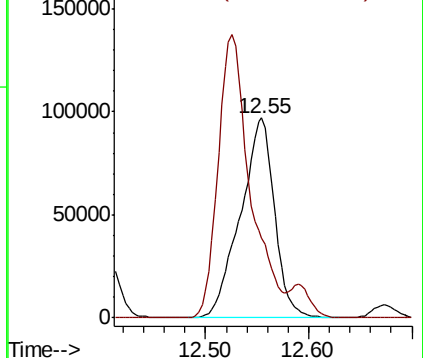
75 100

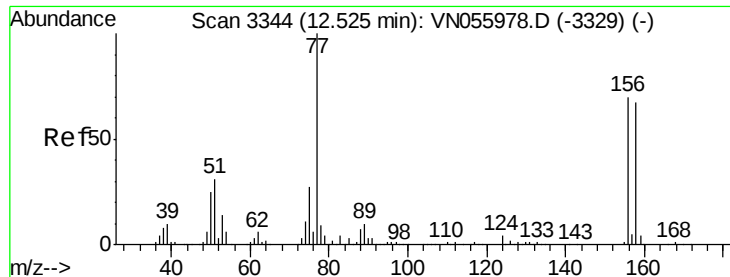
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)





#77

Bromobenzene

Concen: 47.685 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

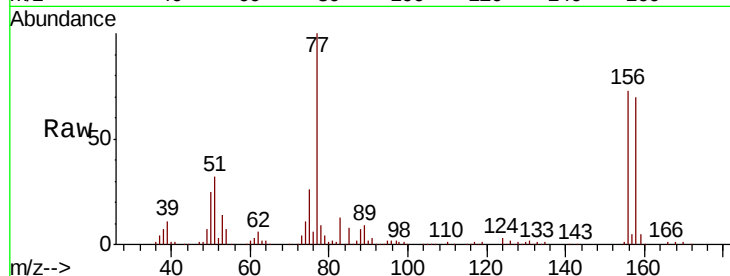
Tot Ion:156 Resp: 175370

Ion Ratio Lower Upper

156 100

77 170.2 90.8 272.5

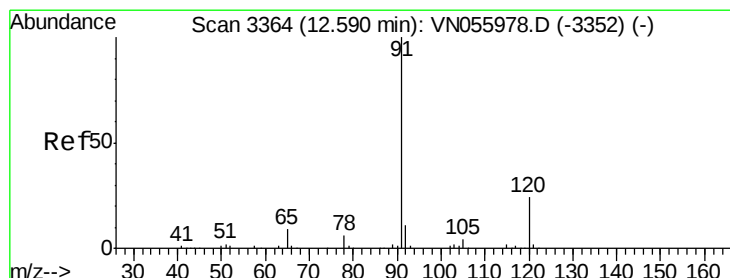
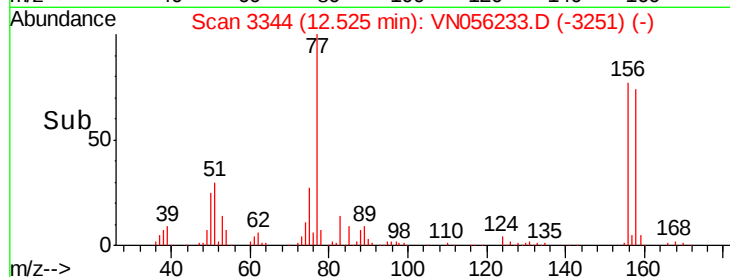
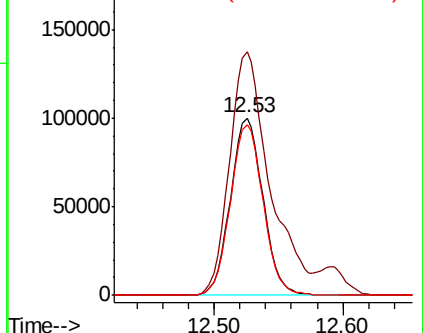
158 97.1 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.113 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056233.D

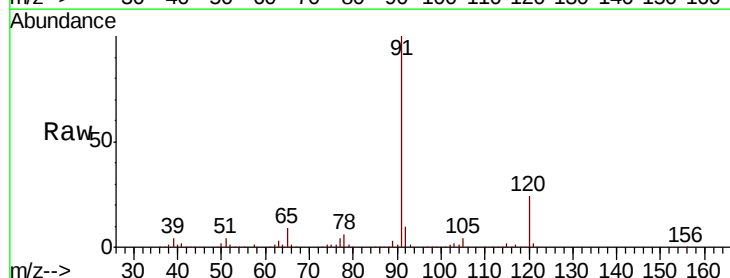
Acq: 11 Jun 2019 19:23

Tgt Ion: 91 Resp: 670124

Ion Ratio Lower Upper

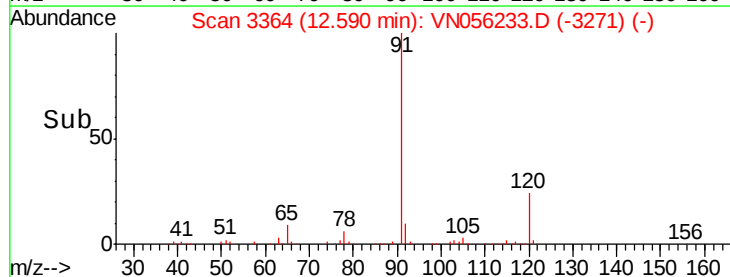
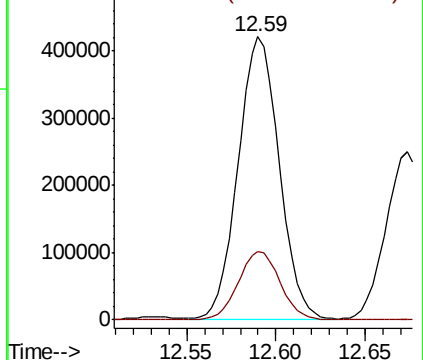
91 100

120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.968 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

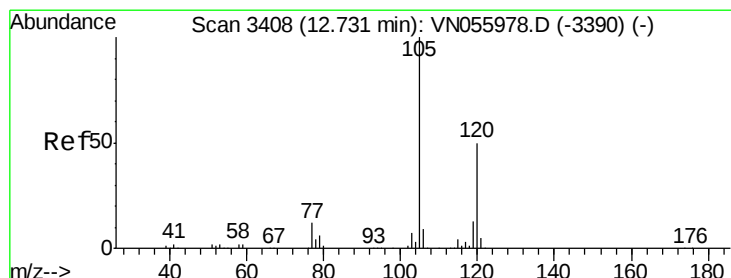
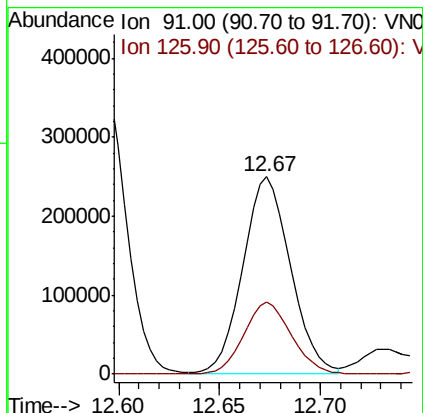
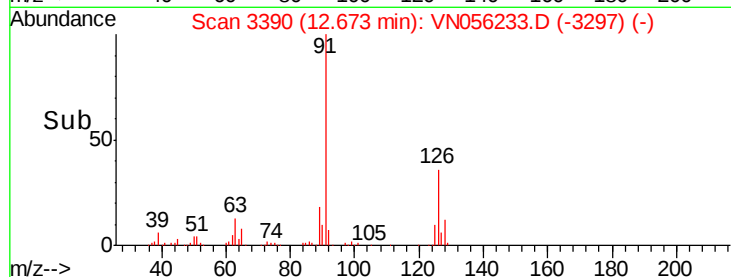
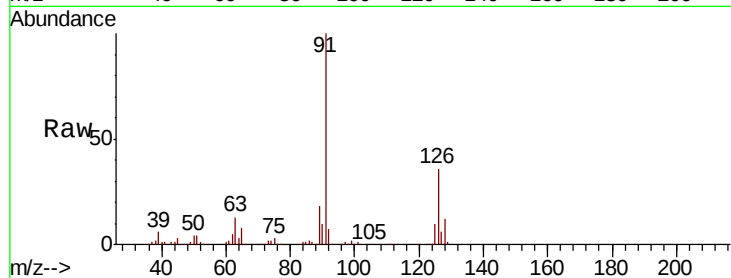
VSTDCCC050EC

Tot Ion: 91 Resp: 410470

Ion Ratio Lower Upper

91 100

126 36.7 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 44.828 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056233.D

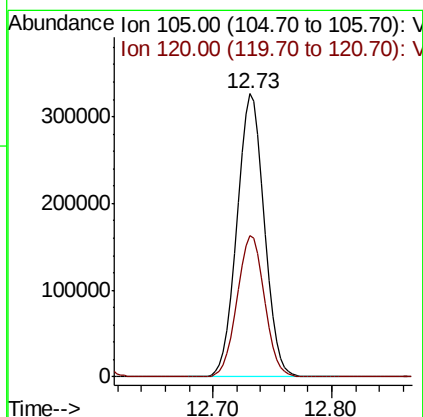
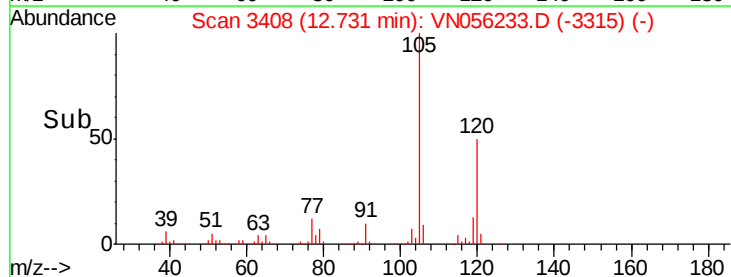
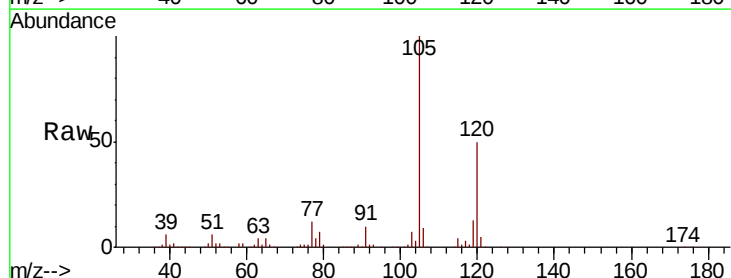
Acq: 11 Jun 2019 19:23

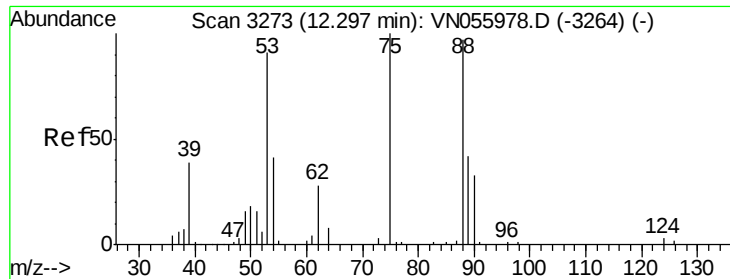
Tgt Ion: 105 Resp: 517741

Ion Ratio Lower Upper

105 100

120 50.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 48.499 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

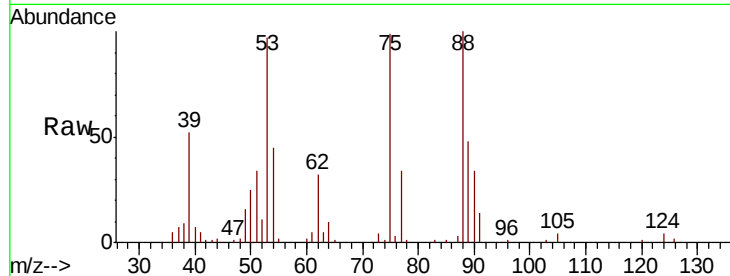
Tot Ion: 75 Resp: 46032

Ion Ratio Lower Upper

75 100

53 98.4 68.1 102.1

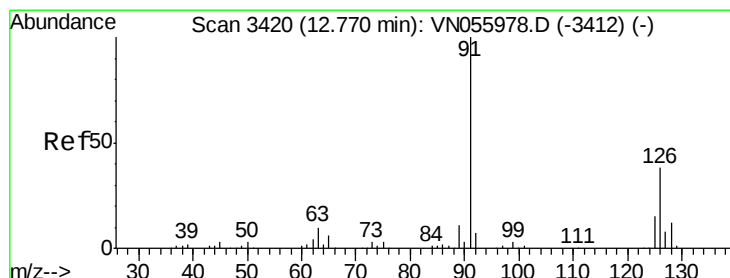
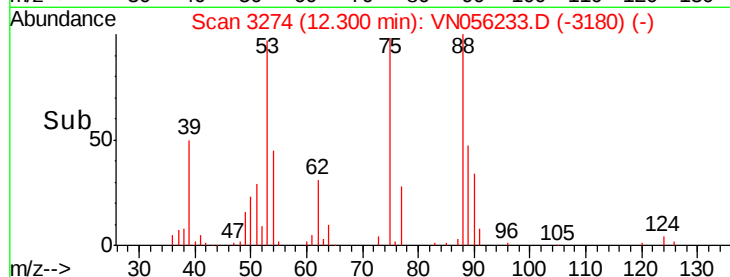
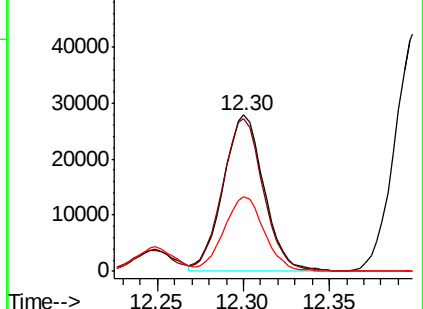
89 47.6 36.9 55.3



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: 46.984 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056233.D

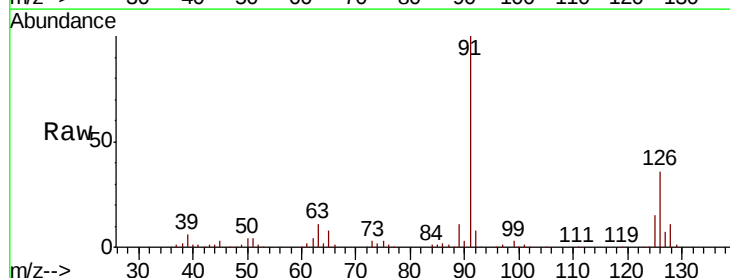
Acq: 11 Jun 2019 19:23

Tgt Ion: 91 Resp: 399459

Ion Ratio Lower Upper

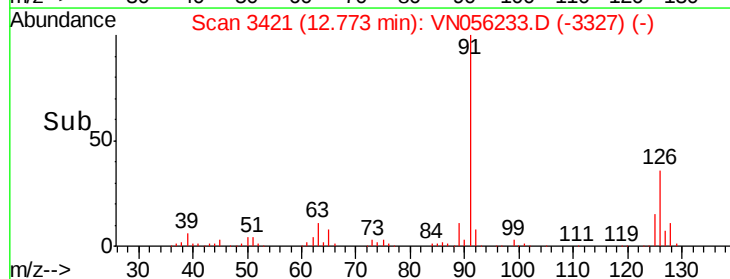
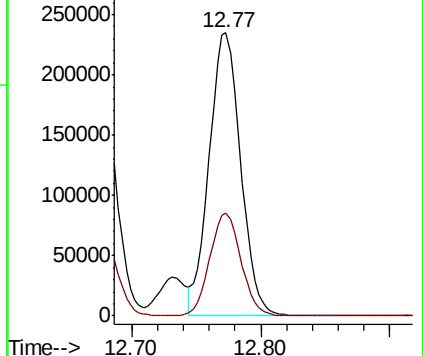
91 100

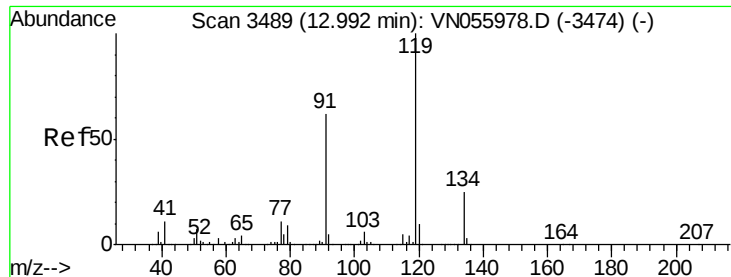
126 35.9 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

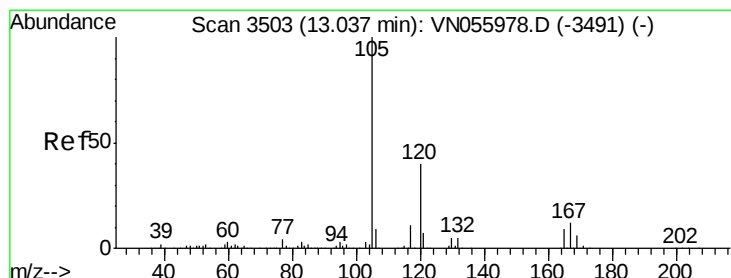
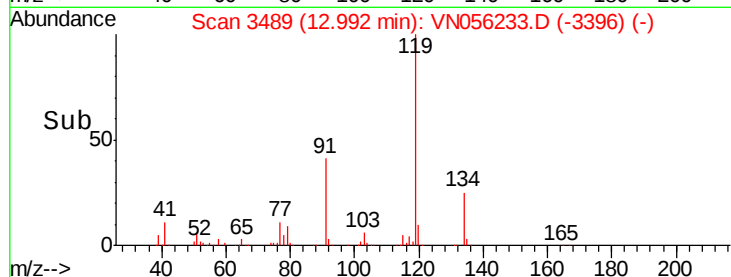
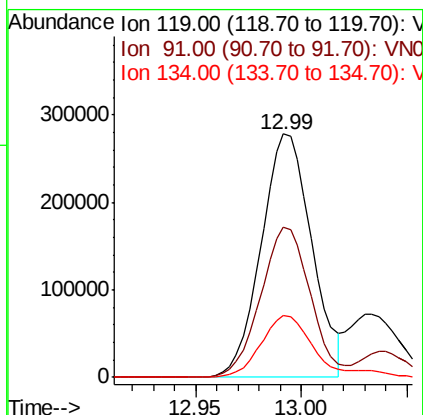
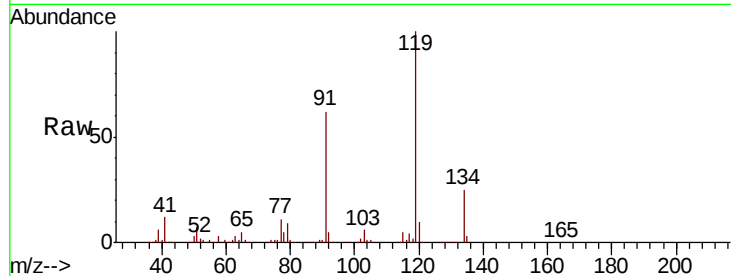




#83
 tert-Butylbenzene
 Concen: 51.848 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

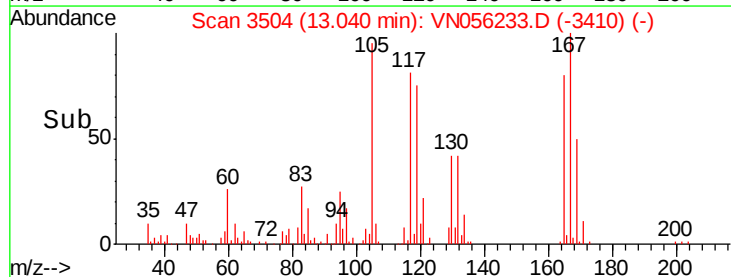
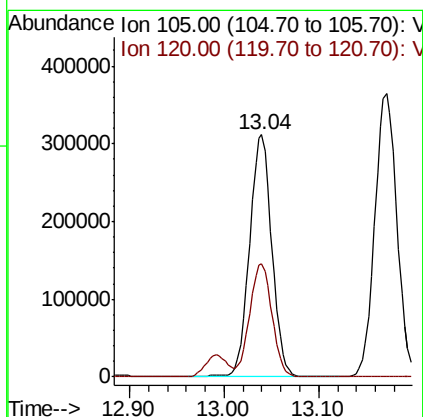
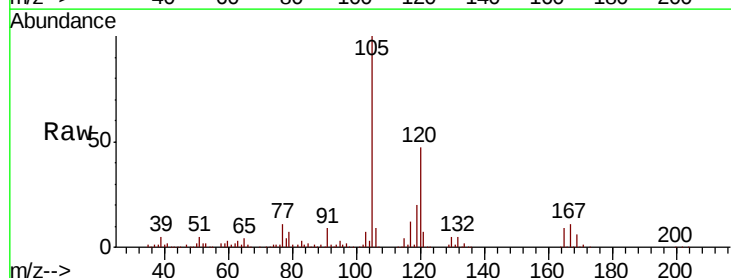
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

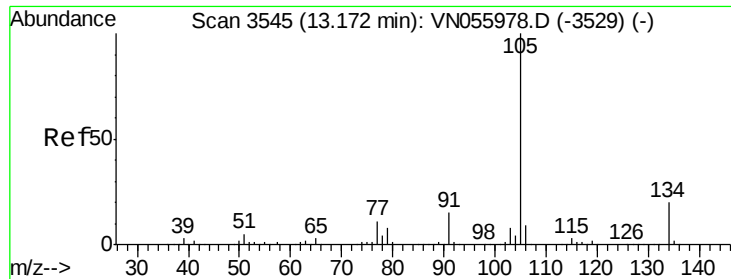
Tot Ion:119 Resp: 463718
 Ion Ratio Lower Upper
 119 100
 91 60.5 30.9 92.8
 134 27.2 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 46.511 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion:105 Resp: 509410
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 45.788 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

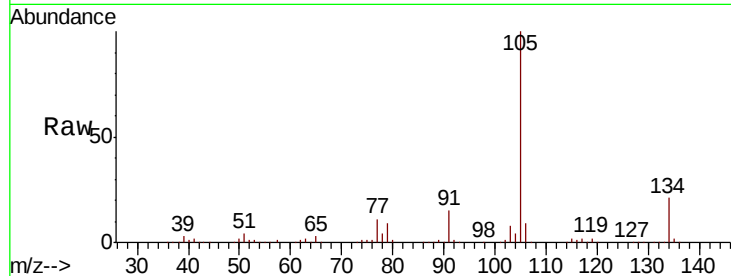
VSTDCCC050EC

Tot Ion:105 Resp: 589278

Ion Ratio Lower Upper

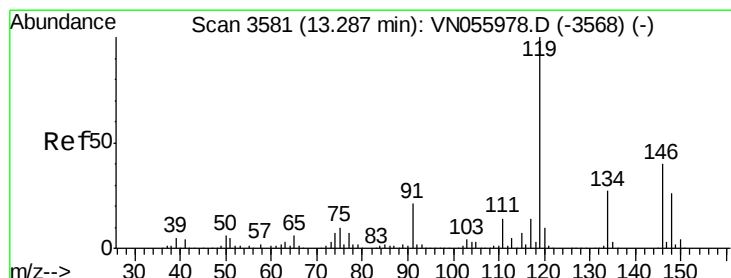
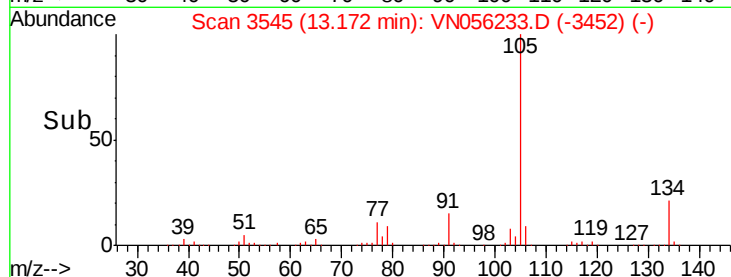
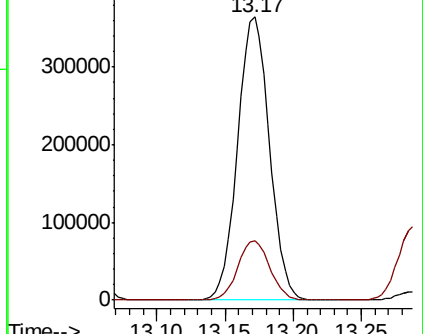
105 100

134 21.0 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.234 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

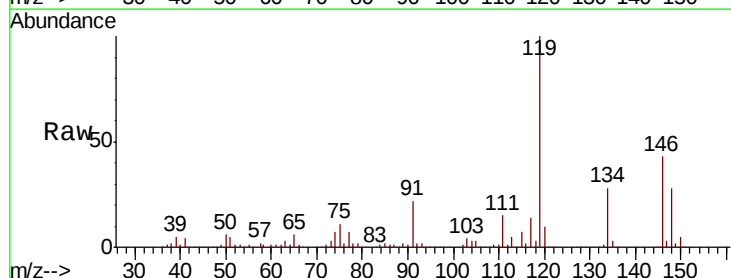
Tgt Ion:119 Resp: 532521

Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

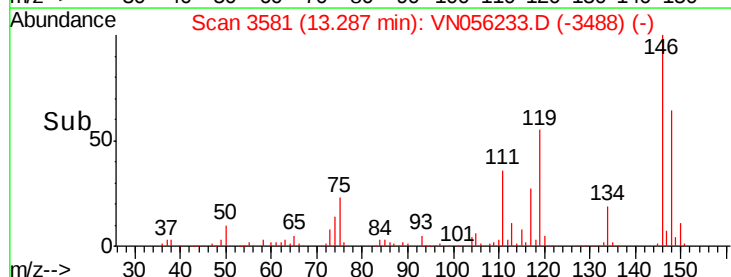
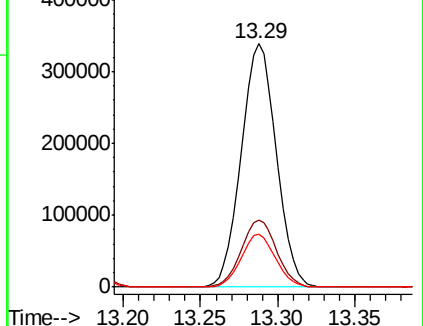
91 21.4 10.9 32.9

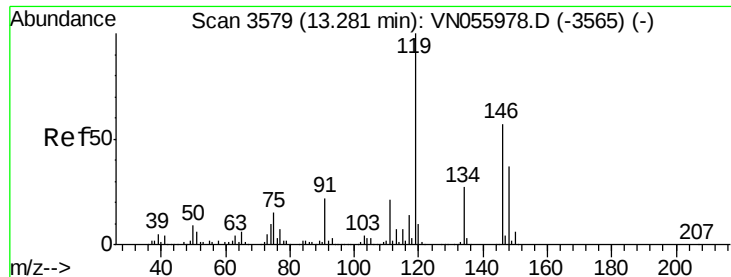


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

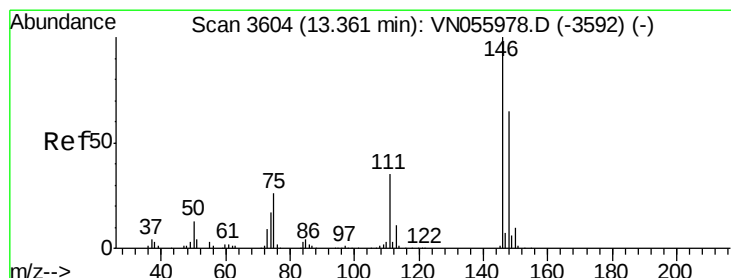
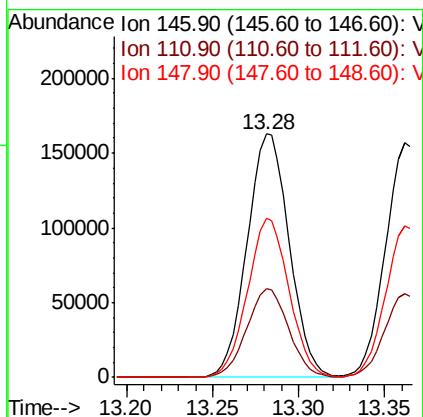
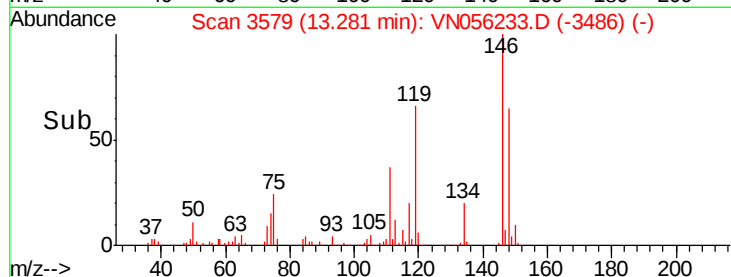
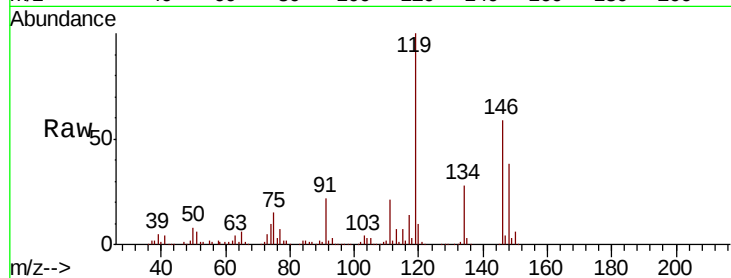




#87
 1,3-Dichlorobenzene
 Concen: 48.552 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

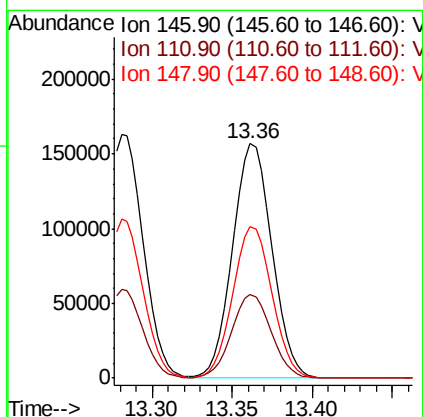
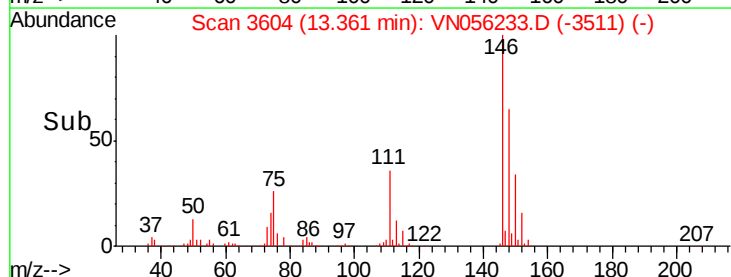
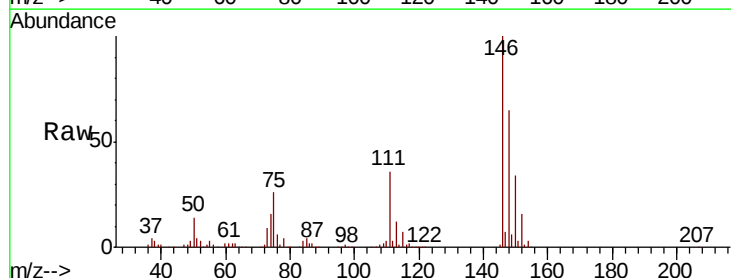
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

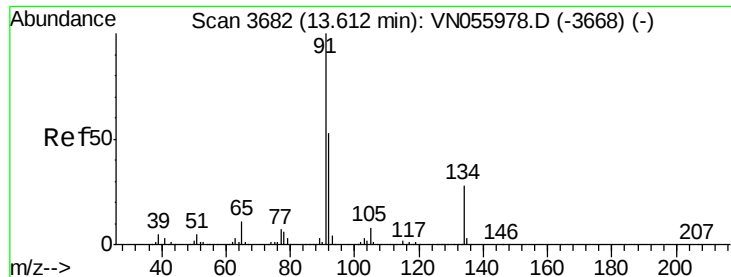
Tot Ion:146 Resp: 276360
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.5 55.5
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 47.911 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion:146 Resp: 262335
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.1 54.4
 148 64.6 32.1 96.5





#89

n-Butylbenzene

Concen: 45.771 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

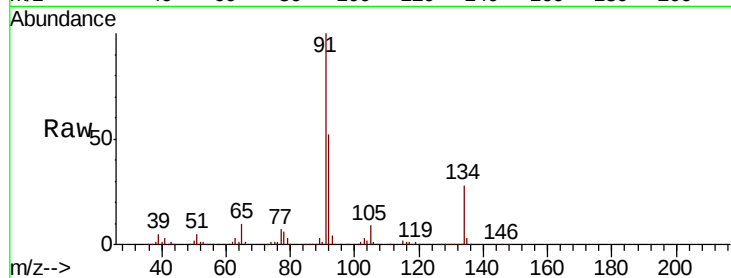
Tot Ion: 91 Resp: 390534

Ion Ratio Lower Upper

91 100

92 52.7 26.4 79.0

134 27.9 13.9 41.7

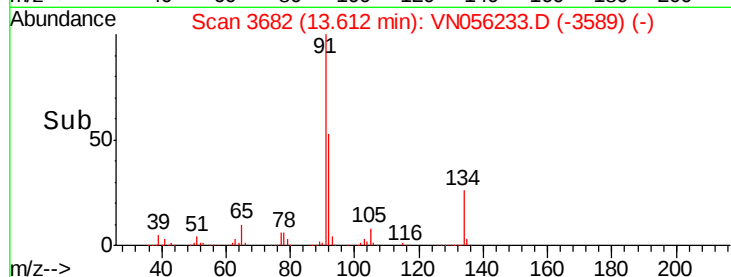


Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

Time-->

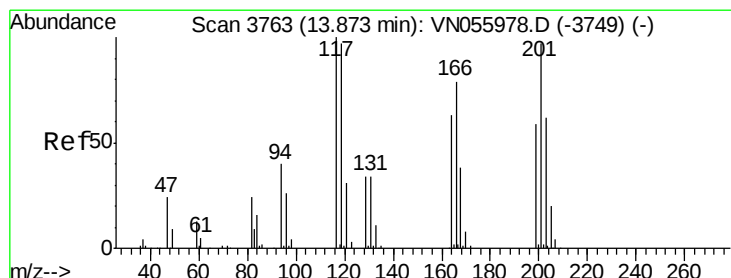


Abundance Ion 91.00 (90.70 to 91.70): VN056233.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN056233.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN056233.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 52.179 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056233.D

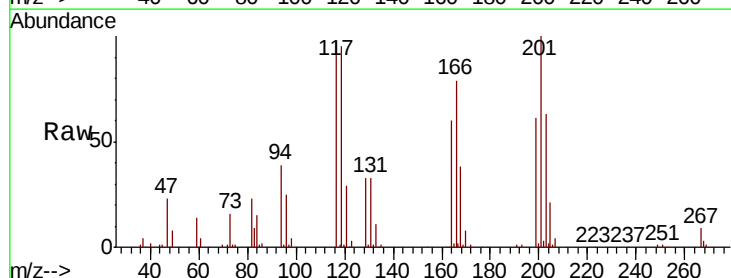
Acq: 11 Jun 2019 19:23

Tgt Ion: 117 Resp: 90635

Ion Ratio Lower Upper

117 100

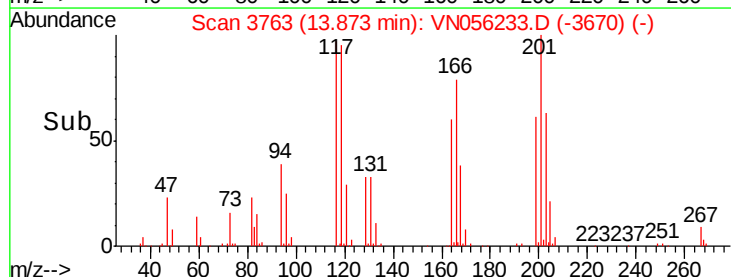
201 104.0 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN056233.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN056233.D (-3670) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 47.927 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

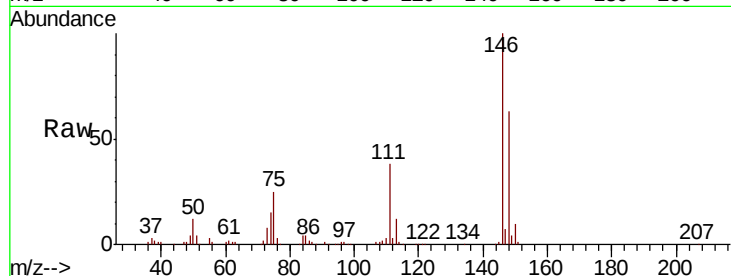
Tot Ion:146 Resp: 275426

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.5

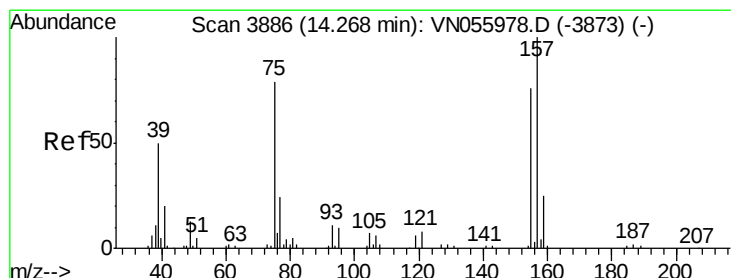
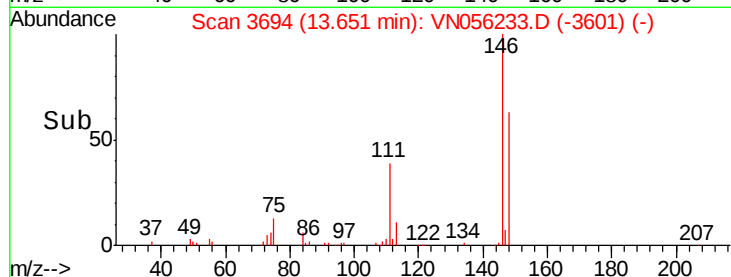
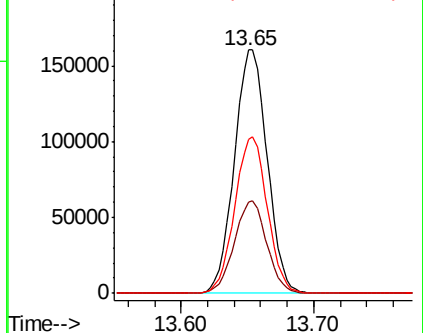
148 63.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.108 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056233.D

Acq: 11 Jun 2019 19:23

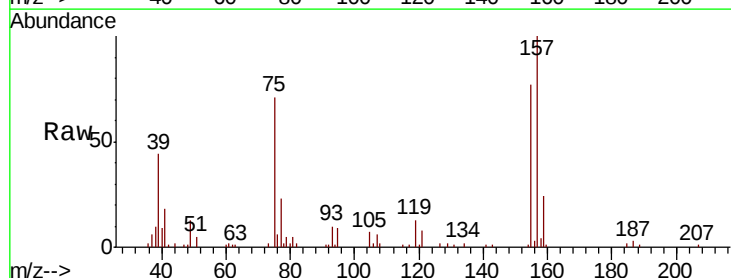
Tgt Ion: 75 Resp: 30861

Ion Ratio Lower Upper

75 100

155 108.5 50.0 150.1

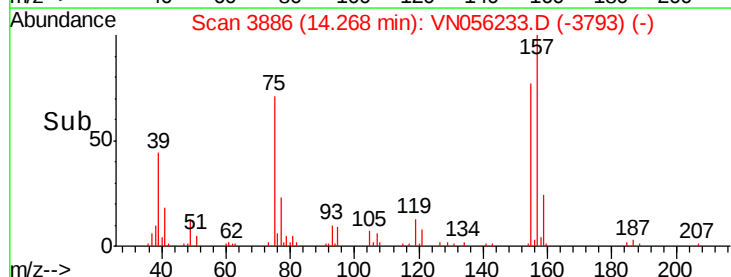
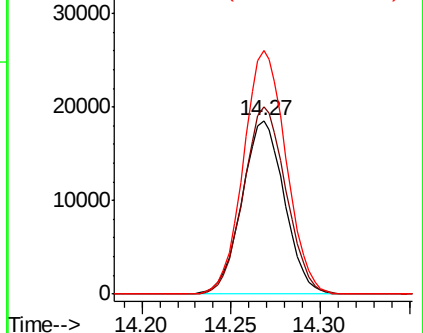
157 140.9 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

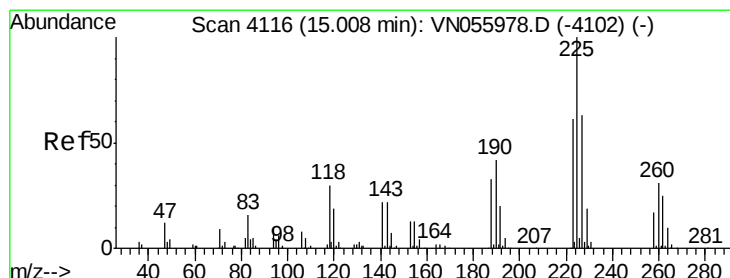
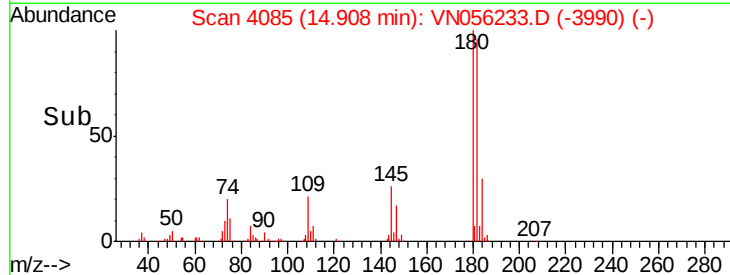
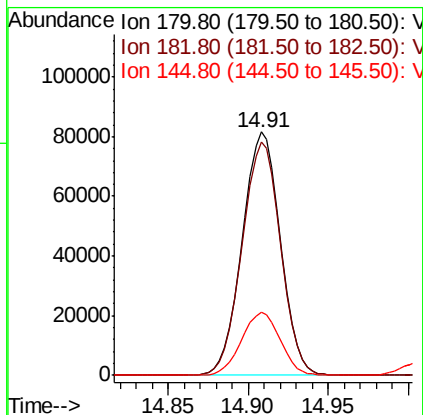
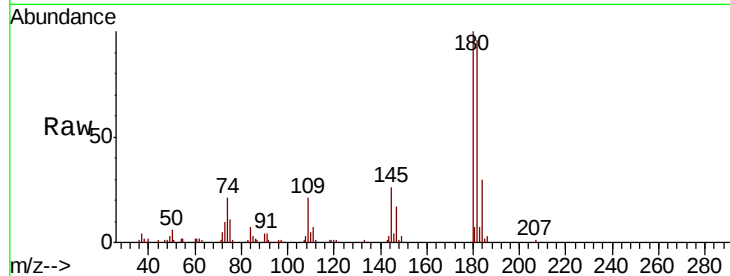




#93
 1,2,4-Trichlorobenzene
 Concen: 42.574 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

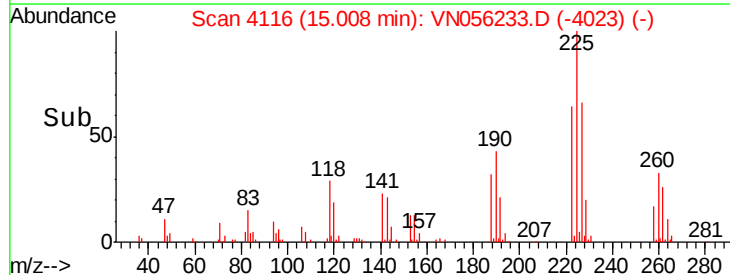
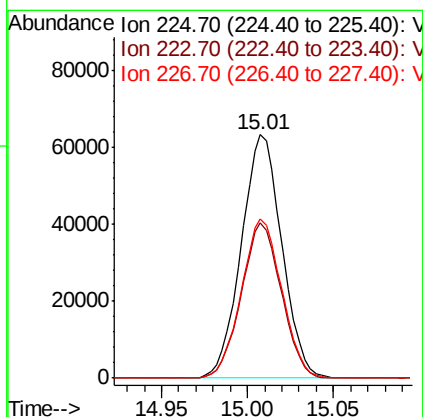
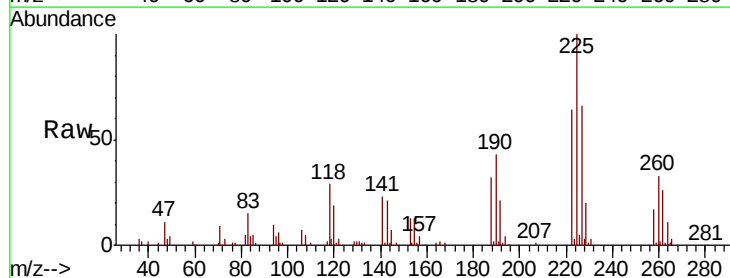
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

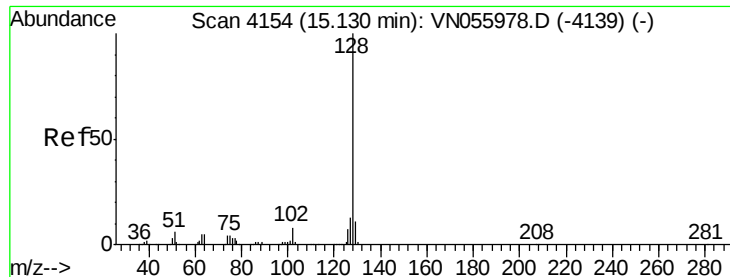
Tot Ion:180 Resp: 132628
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.3 144.9
 145 26.2 14.0 41.9



#94
 Hexachlorobutadiene
 Concen: 52.395 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056233.D
 Acq: 11 Jun 2019 19:23

Tgt Ion:225 Resp: 103075
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.7
 227 65.3 31.6 94.7

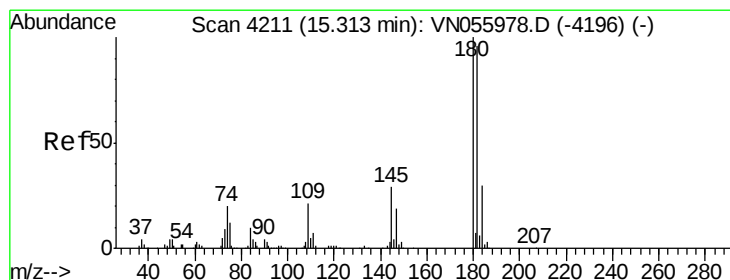
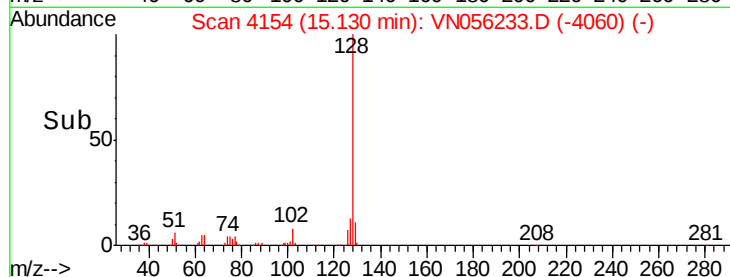
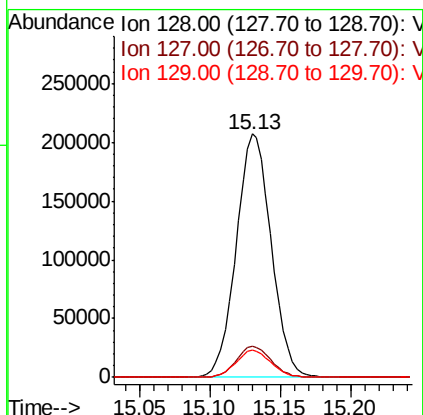
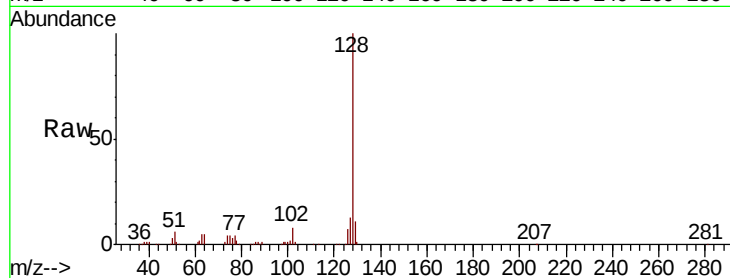




#95
Naphthalene
Concen: 44.195 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 359137
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 46.873 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056233.D
Acq: 11 Jun 2019 19:23

Tgt Ion:180 Resp: 150625
Ion Ratio Lower Upper
180 100
182 96.8 47.9 143.7
145 28.2 14.9 44.7

