

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061421\
 Data File : VX022697.D
 Acq On : 14 Jun 2021 16:39
 Operator : JC/MD
 Sample : M2712-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 06:13:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

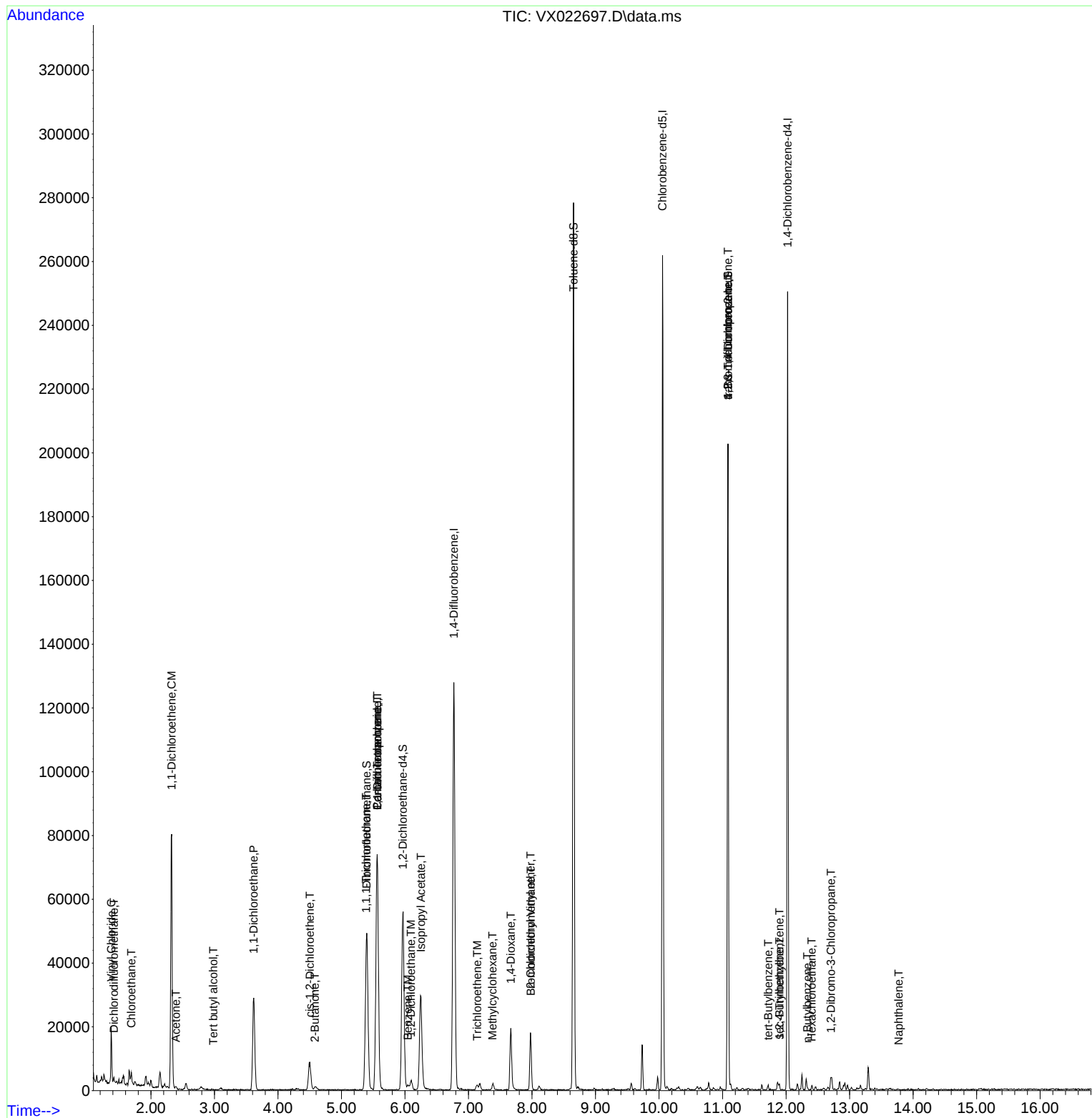
Internal Standards						
1) Pentafluorobenzene	5.562	168	61906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	123488	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	108980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42862	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51828	46.55	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.10%		
35) Dibromofluoromethane	5.397	113	37646	47.78	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.56%		
50) Toluene-d8	8.653	98	148100	47.68	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.36%		
62) 4-Bromofluorobenzene	11.085	95	51632	43.96	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.416	85	273	0.38	ug/l #	42
4) Vinyl Chloride	1.374	62	9840	11.41	ug/l	99
6) Chloroethane	1.691	64	2138	4.09	ug/l	92
11) Tert butyl alcohol	2.983	59	101	0.39	ug/l #	73
12) 1,1-Dichloroethene	2.325	96	26014	34.61	ug/l	95
16) Acetone	2.392	43	970	1.95	ug/l	90
20) Methylene Chloride	2.782	84	159	Below Cal	#	40
24) 1,1-Dichloroethane	3.617	63	31375	18.80	ug/l	98
25) 2-Butanone	4.580	43	203	0.25	ug/l #	45
27) cis-1,2-Dichloroethene	4.501	96	5332	5.25	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	5195	4.52	ug/l	94
36) 1,1-Dichloropropene	5.562	75	6114	4.97	ug/l #	49
38) Carbon Tetrachloride	5.562	117	7295	6.93	ug/l #	15
39) Methylcyclohexane	7.379	83	876	0.68	ug/l #	84
40) Benzene	6.044	78	1495	0.41	ug/l #	74
42) 1,2-Dichloroethane	6.092	62	3104	2.31	ug/l	92
43) Isopropyl Acetate	6.251	43	7889	3.19	ug/l #	57
44) Trichloroethene	7.135	130	626	0.73	ug/l	93
47) Bromodichloromethane	7.982	83	159	2.80	ug/l #	25
49) 1,4-Dioxane	7.665	88	13696	606.94	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.976	63	364	0.43	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	28409	25.00	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	28409	62.94	ug/l #	15
83) tert-Butylbenzene	11.719	119	659	0.24	ug/l	85
84) 1,2,4-Trimethylbenzene	11.896	105	1135	0.38	ug/l #	31
85) sec-Butylbenzene	11.896	105	1135	0.32	ug/l #	57
89) n-Butylbenzene	12.335	91	603	0.21	ug/l #	41
90) Hexachloroethane	12.402	117	102	3.86	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	12.707	75	20	4.00	ug/l #	1
95) Naphthalene	13.774	128	70	1.49	ug/l #	58

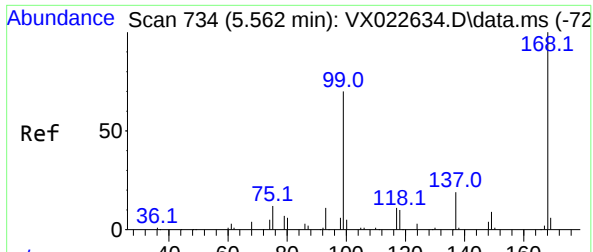
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061421\
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Acq On : 14 Jun 2021 16:39
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

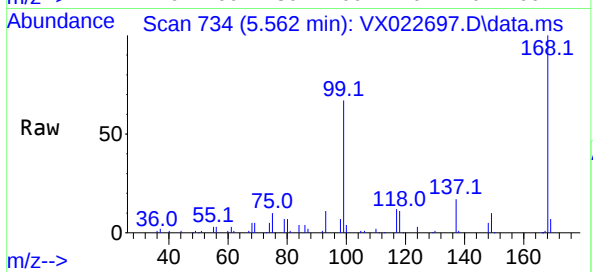
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
Response via : Initial Calibration



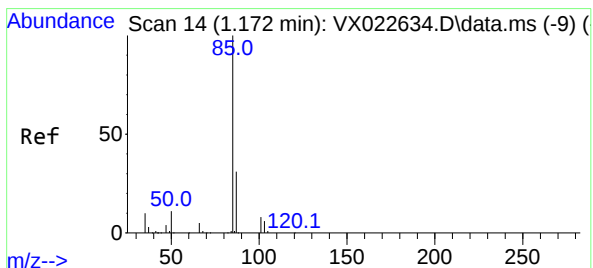
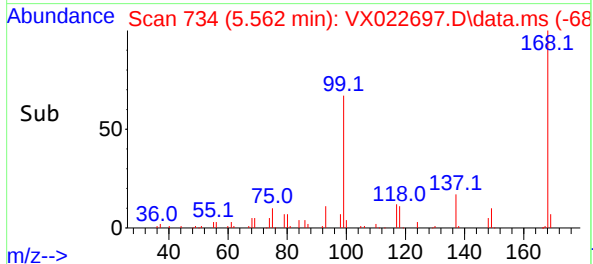
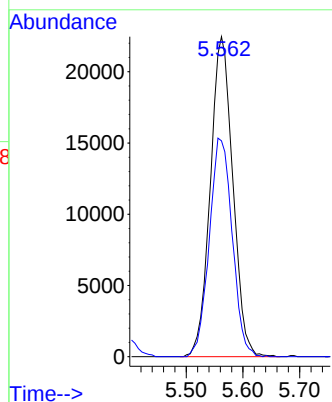


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :

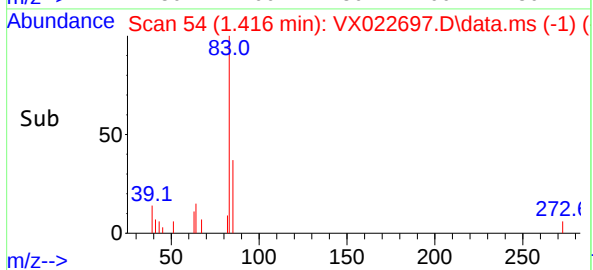
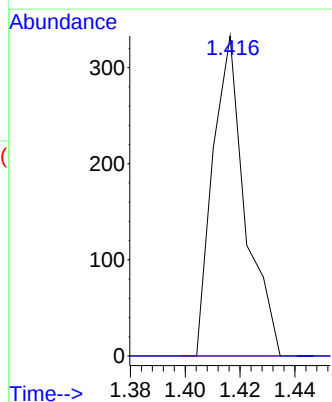
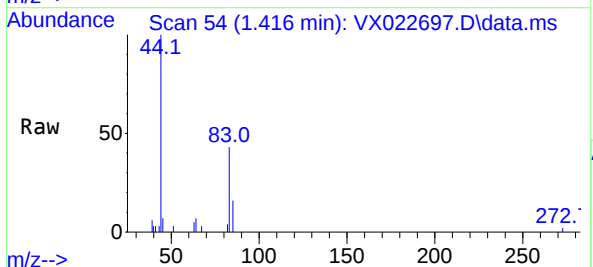


Tgt Ion:168 Resp: 61906
Ion Ratio Lower Upper
168 100
99 67.4 45.8 68.6

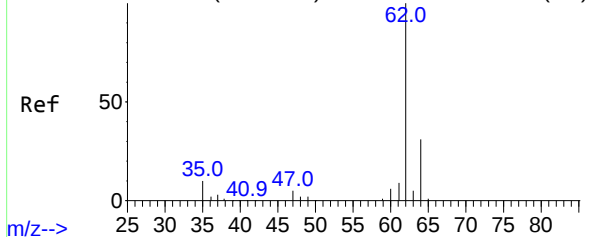


#2
Dichlorodifluoromethane
Concen: 0.38 ug/l
RT: 1.416 min Scan# 54
Delta R.T. 0.250 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 85 Resp: 273
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

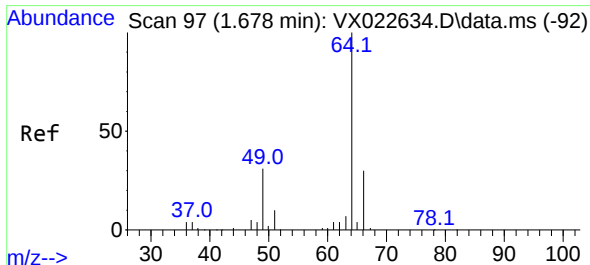
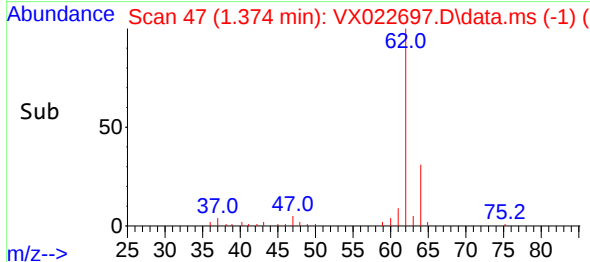
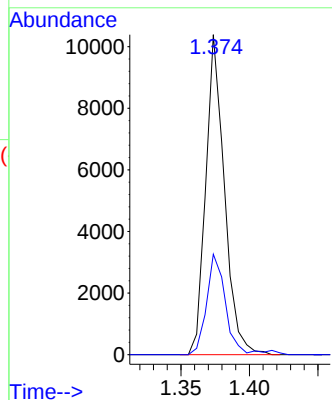
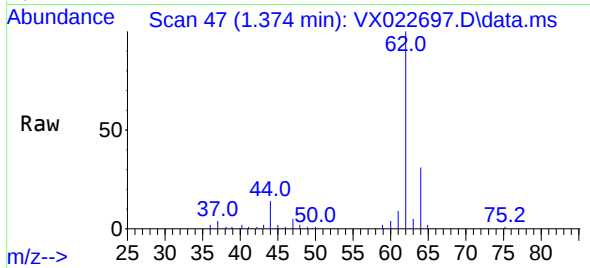


Abundance Scan 47 (1.374 min): VX022634.D\data.ms (-43)



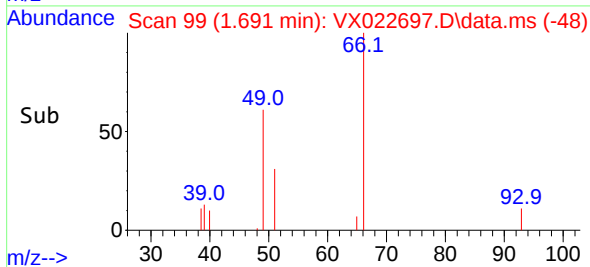
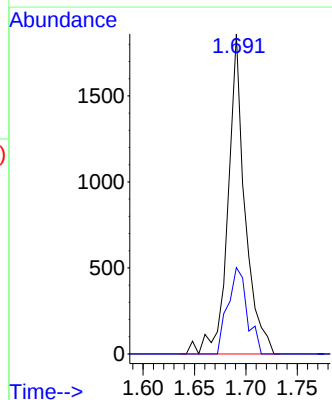
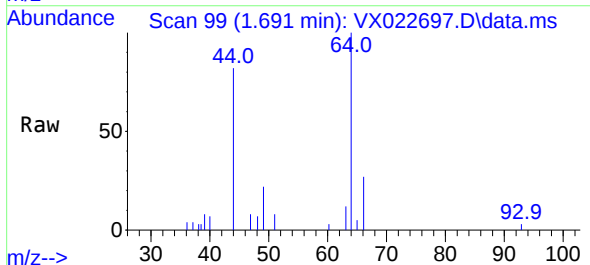
#4
Vinyl Chloride
Concen: 11.41 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

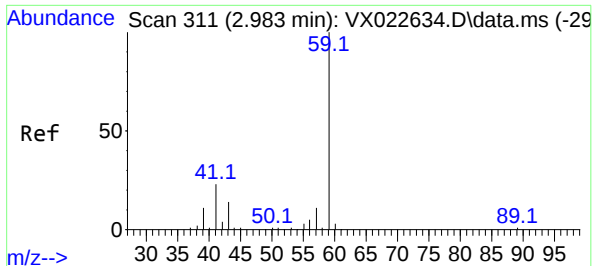
Tgt Ion: 62 Resp: 9840
Ion Ratio Lower Upper
62 100
64 31.4 25.7 38.5



#6
Chloroethane
Concen: 4.09 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 64 Resp: 2138
Ion Ratio Lower Upper
64 100
66 27.0 25.4 38.0



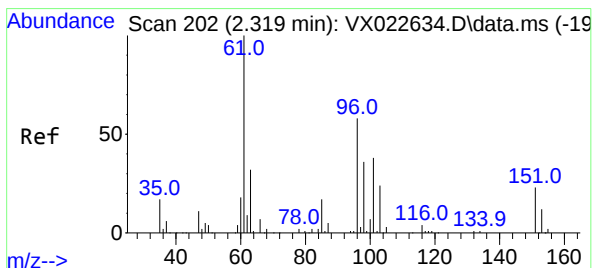
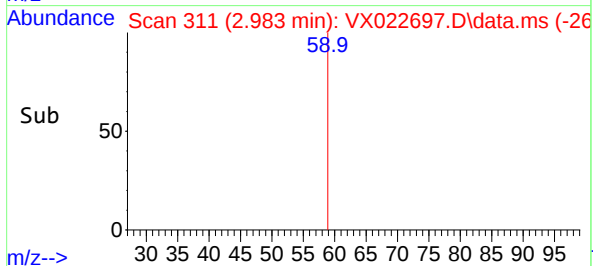
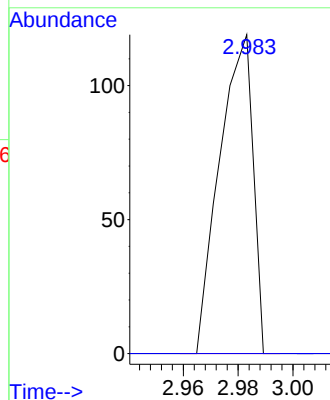
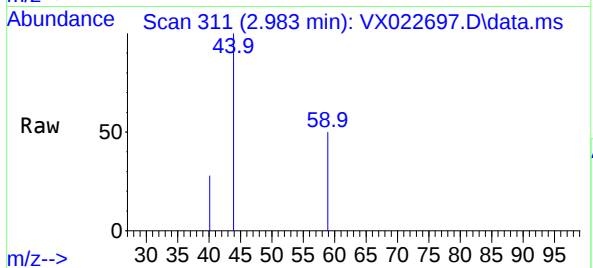


#11

Tert butyl alcohol
Concen: 0.39 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Instrument :
MSVOA_X
ClientSampled :

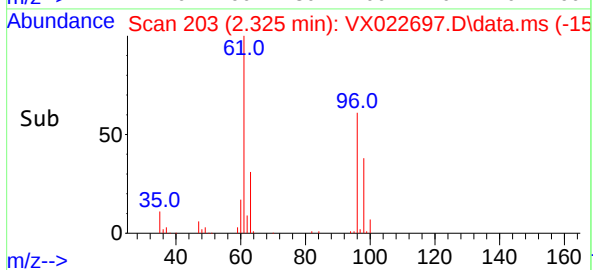
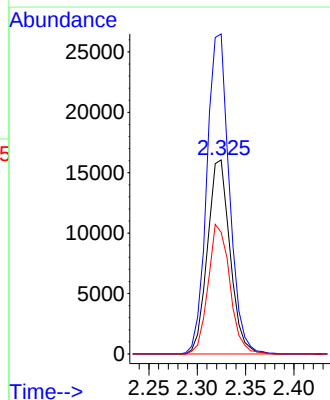
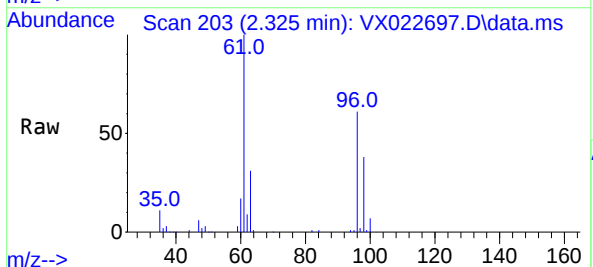
Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

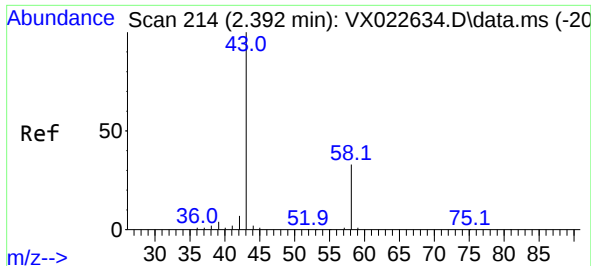


#12

1,1-Dichloroethene
Concen: 34.61 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 96 Resp: 26014
Ion Ratio Lower Upper
96 100
61 164.9 124.6 187.0
98 62.6 50.6 76.0

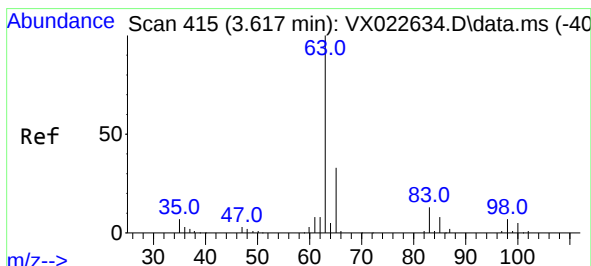
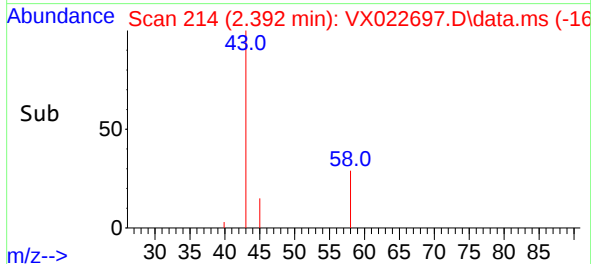
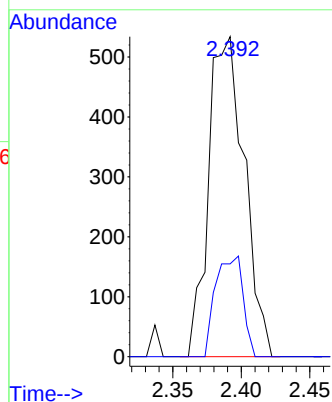
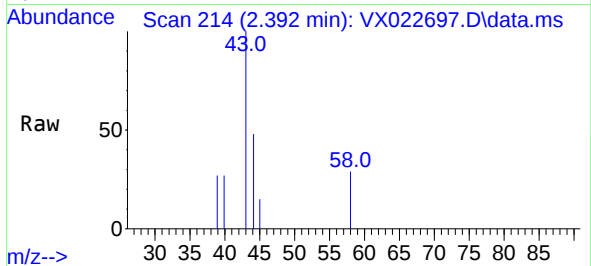




#16
Acetone
Concen: 1.95 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

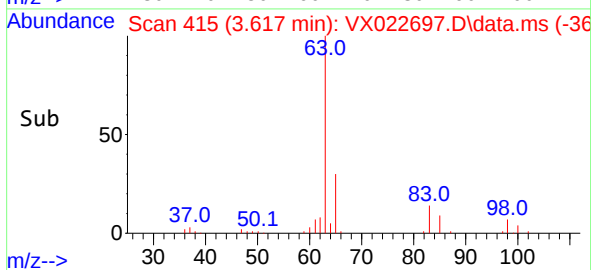
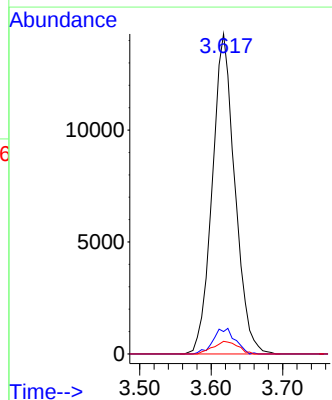
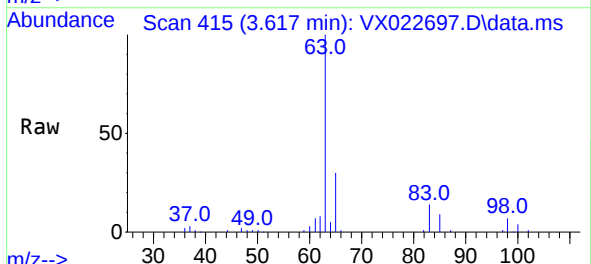
Instrument :
MSVOA_X
ClientSampled :

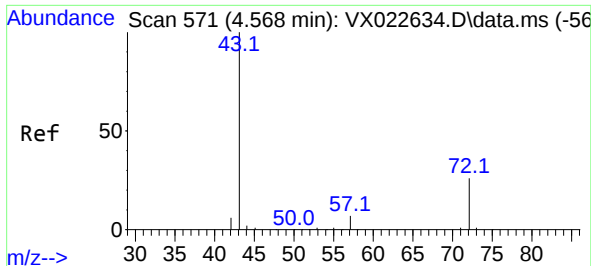
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#24
1,1-Dichloroethane
Concen: 18.80 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 63 Resp: 31375
Ion Ratio Lower Upper
63 100
98 7.0 3.8 11.2
100 3.9 2.5 7.5

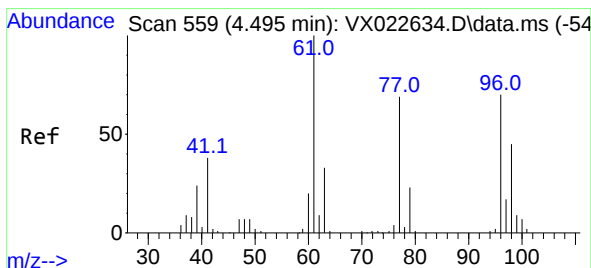
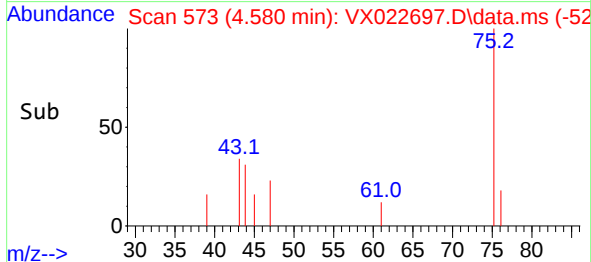
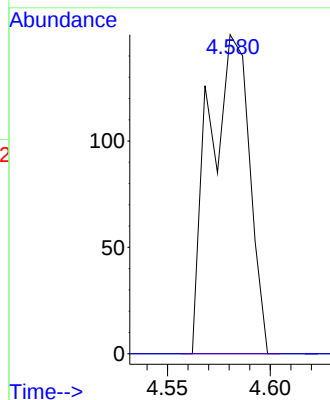
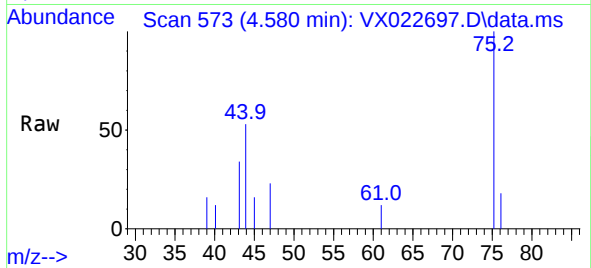




#25
2-Butanone
Concen: 0.25 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

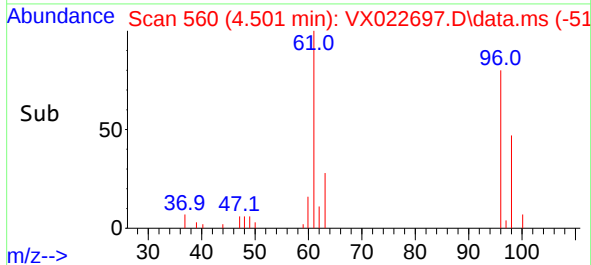
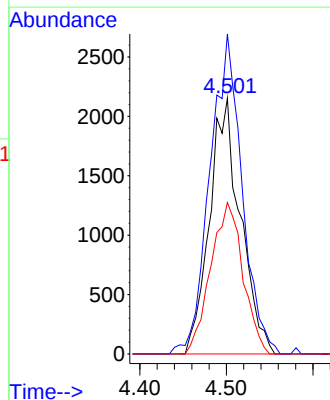
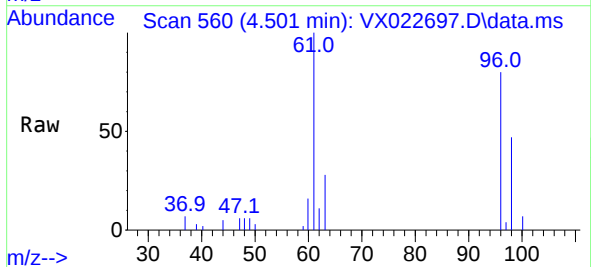
Instrument :
MSVOA_X
ClientSampled :

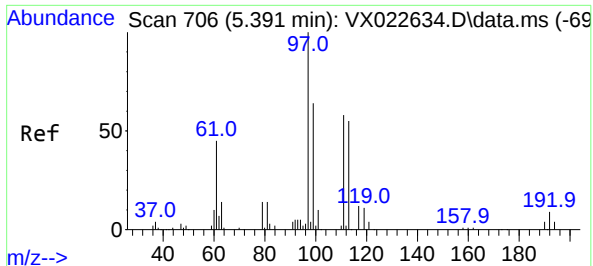
Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 5.25 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 96 Resp: 5332
Ion Ratio Lower Upper
96 100
61 130.1 0.0 285.6
98 61.7 0.0 129.6

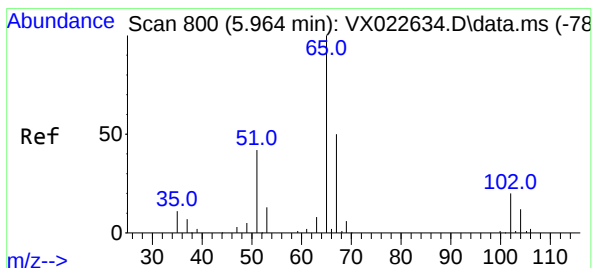
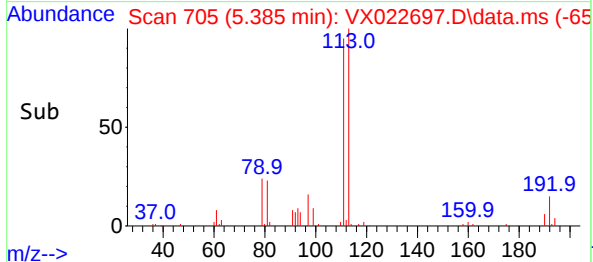
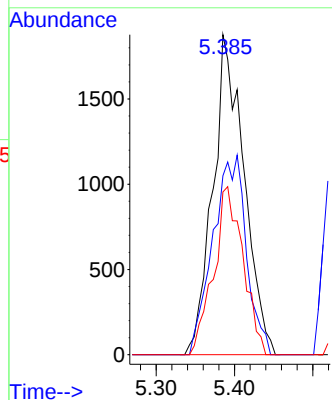
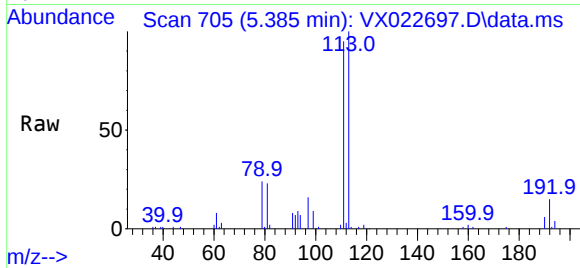




#32
1,1,1-Trichloroethane
Concen: 4.52 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

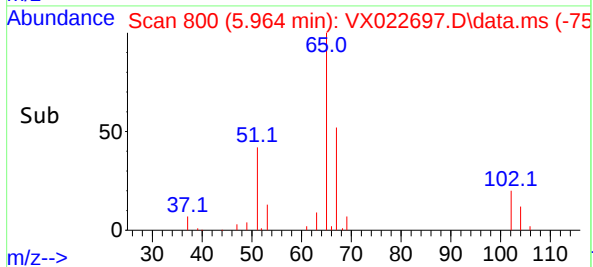
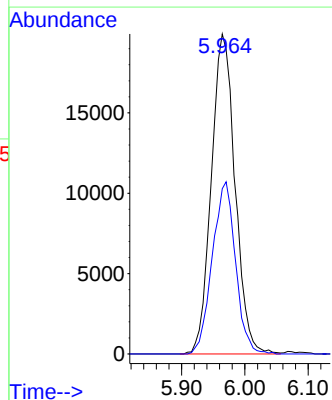
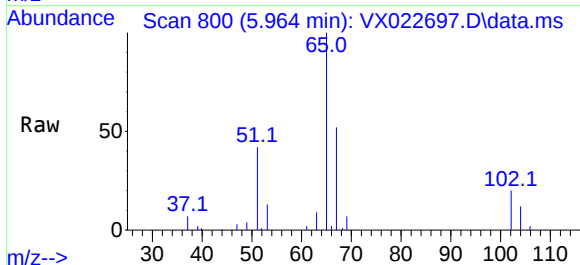
Instrument :
MSVOA_X
ClientSampled :

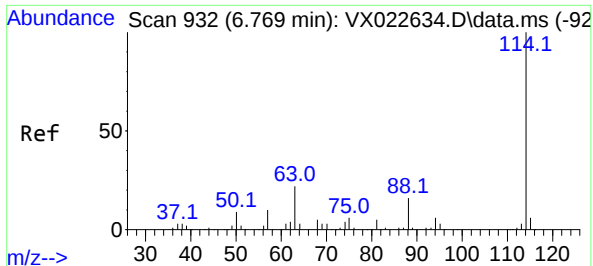
Tgt Ion: 97 Resp: 5195
Ion Ratio Lower Upper
97 100
99 66.7 51.5 77.3
61 49.5 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 46.55 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 65 Resp: 51828
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.4

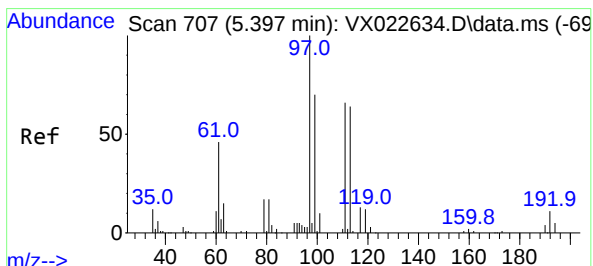
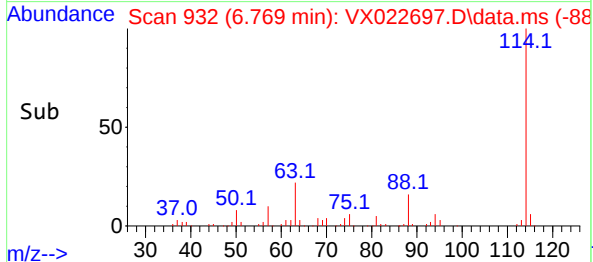
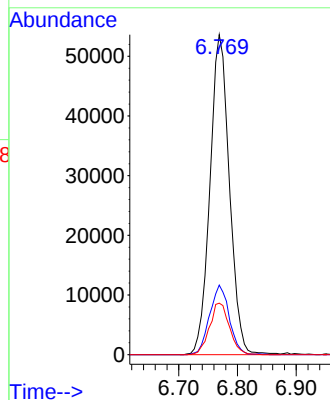
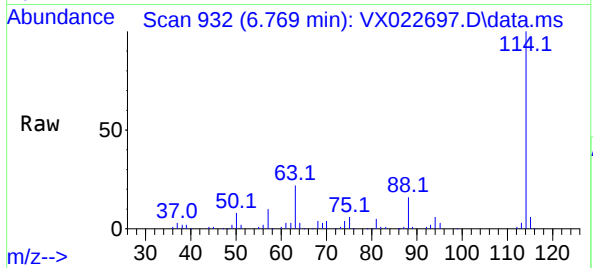




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

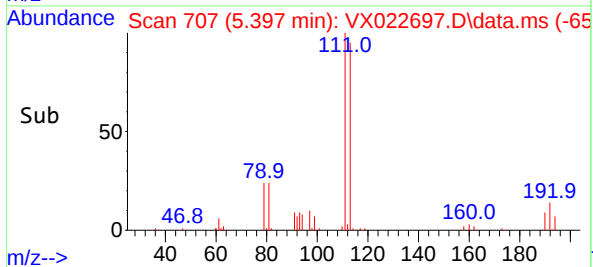
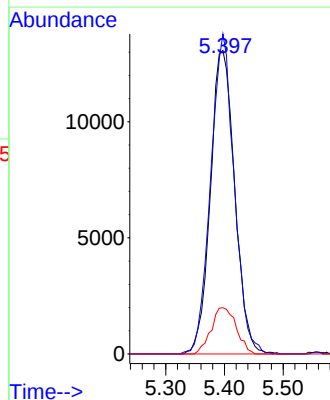
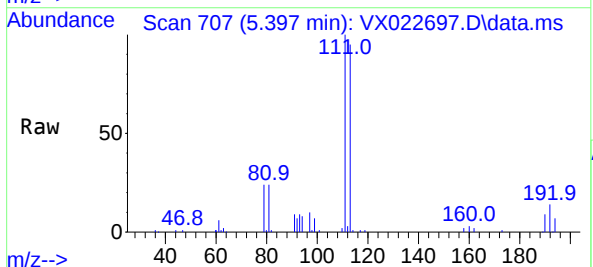
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MSVOA_X
ClientSampled :

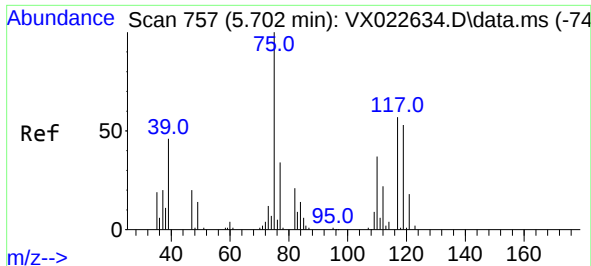
Tgt Ion:114 Resp: 123488
Ion Ratio Lower Upper
114 100
63 21.8 0.0 40.8
88 16.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.78 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion:113 Resp: 37646
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 15.7 16.7 25.1#

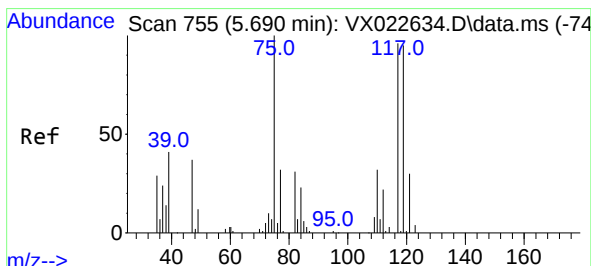
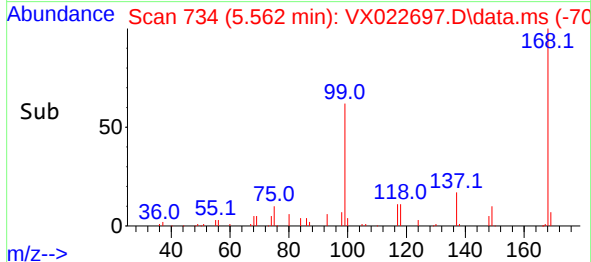
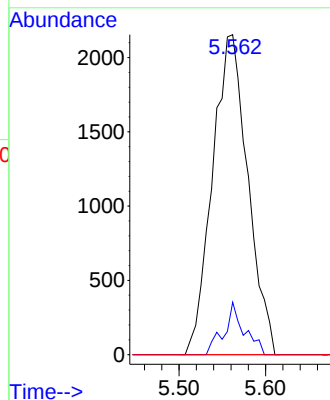
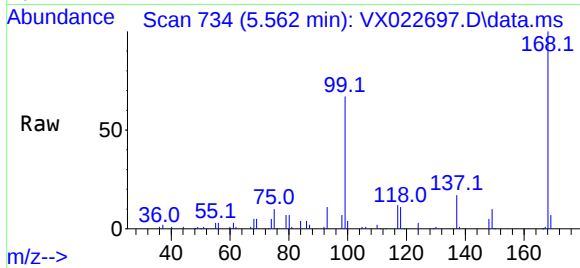




#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

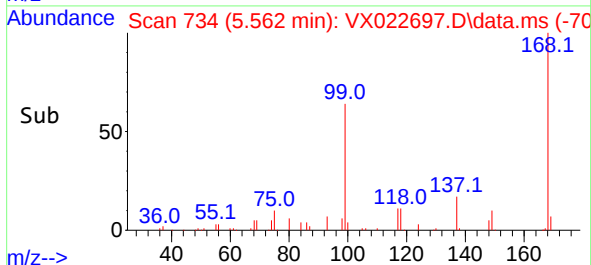
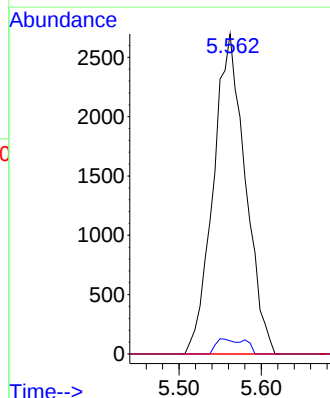
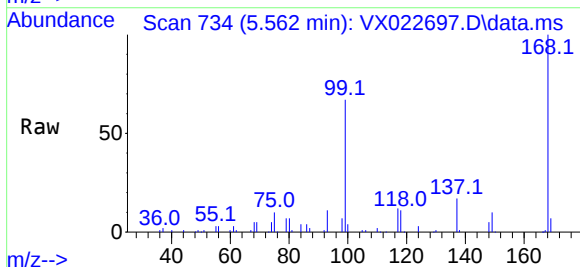
Instrument :
MSVOA_X
ClientSampled :

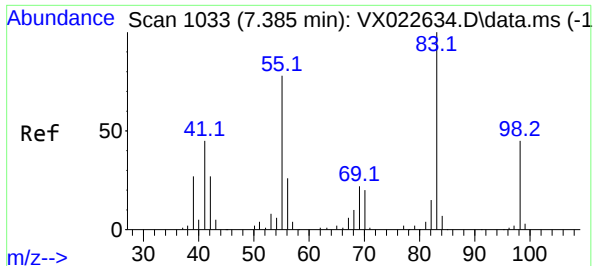
Tgt Ion: 75 Resp: 6114
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.93 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.116 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion:117 Resp: 7295
Ion Ratio Lower Upper
117 100
119 4.1 76.2 114.2#
121 0.0 24.8 37.2#

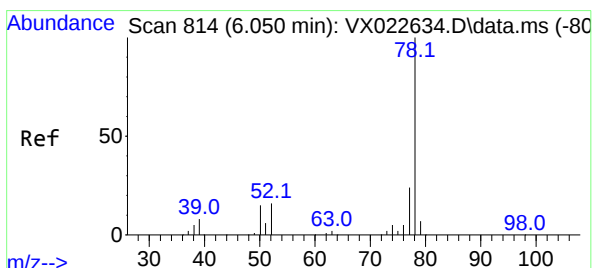
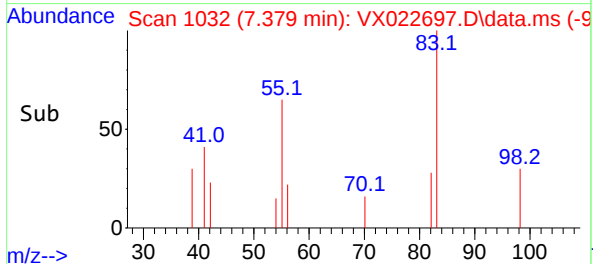
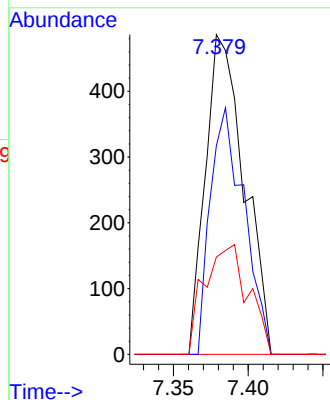
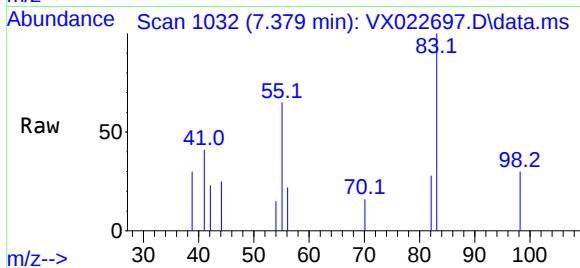




#39
Methylcyclohexane
Concen: 0.68 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

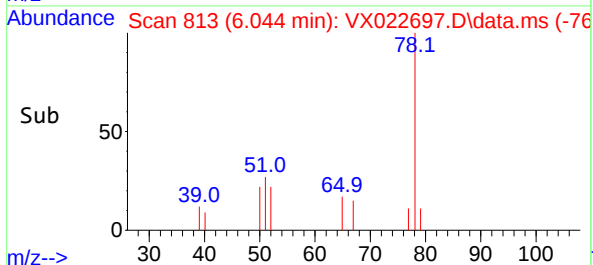
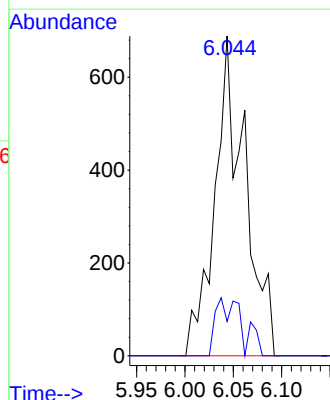
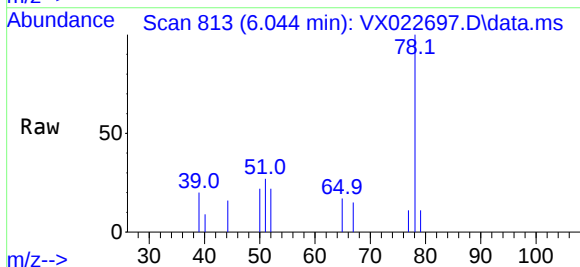
Instrument :
MSVOA_X
ClientSampled :

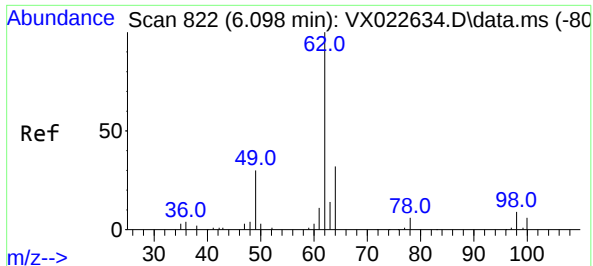
Tgt Ion: 83	Resp:	876
Ion	Ratio	Lower Upper
83	100	
55	65.2	58.9 88.3
98	30.5	38.1 57.1#



#40
Benzene
Concen: 0.41 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 78	Resp:	1495
Ion	Ratio	Lower Upper
78	100	
77	10.7	18.9 28.3#





#42

1,2-Dichloroethane

Concen: 2.31 ug/l

RT: 6.092 min Scan# 821

Delta R.T. -0.006 min

Lab File: VX022697.D

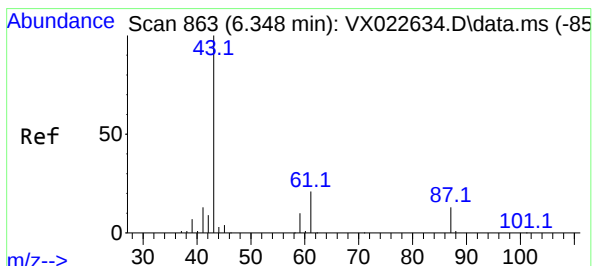
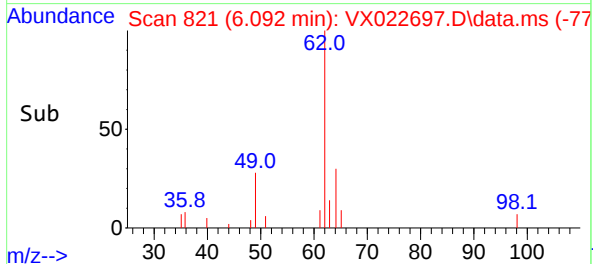
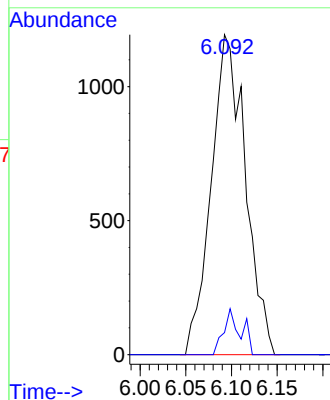
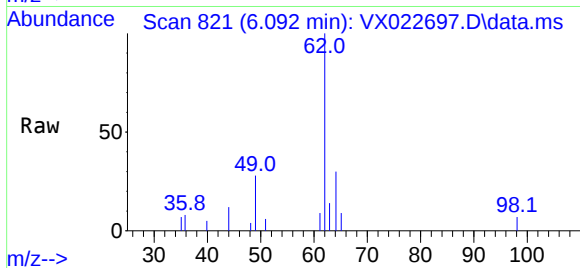
Acq: 14 Jun 2021 16:39

Tgt Ion: 62 Resp: 3104

Ion Ratio Lower Upper

62 100

98 7.1 0.0 20.2



#43

Isopropyl Acetate

Concen: 3.19 ug/l

RT: 6.251 min Scan# 847

Delta R.T. -0.097 min

Lab File: VX022697.D

Acq: 14 Jun 2021 16:39

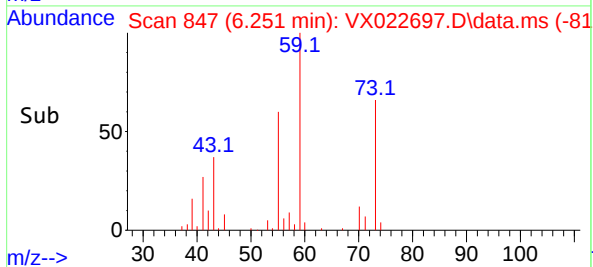
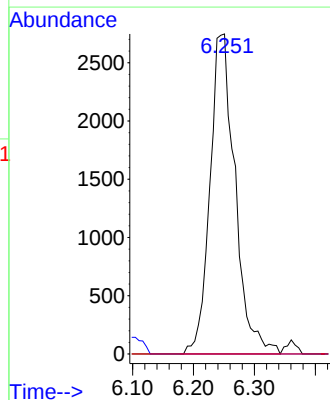
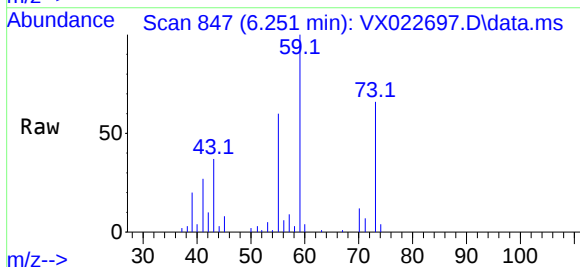
Tgt Ion: 43 Resp: 7889

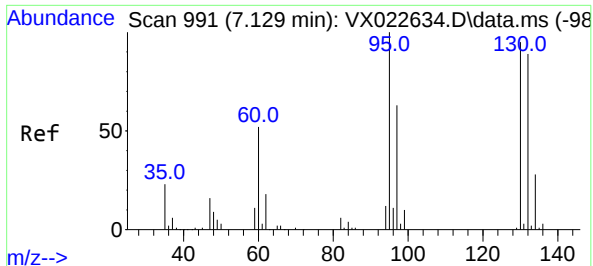
Ion Ratio Lower Upper

43 100

61 0.0 18.2 27.4#

87 0.0 12.5 18.7#

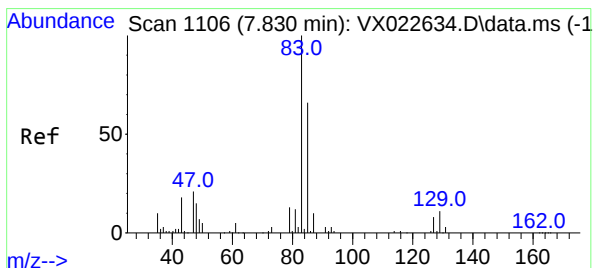
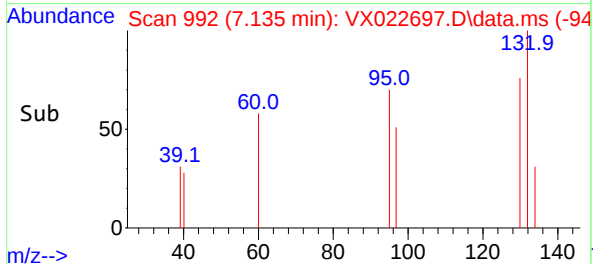
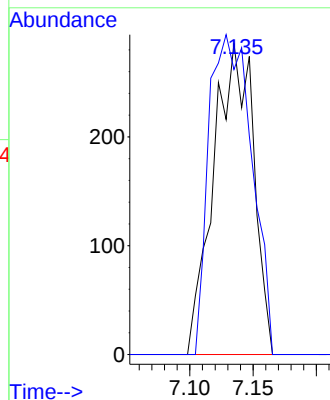
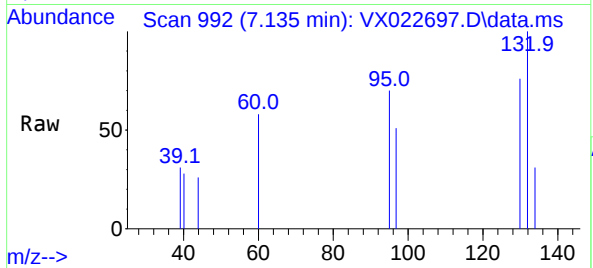




#44
Trichloroethene
Concen: 0.73 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

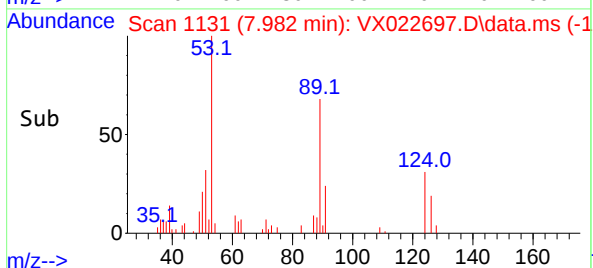
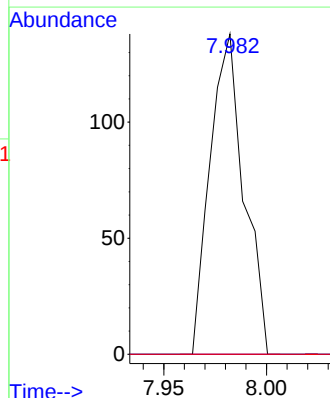
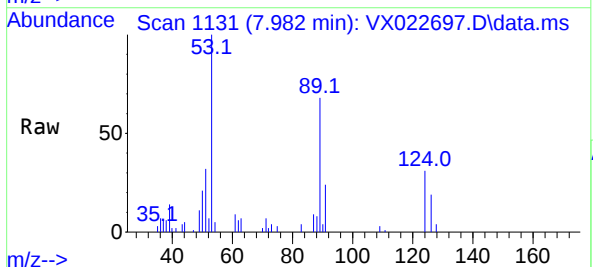
Instrument :
MSVOA_X
ClientSampled :

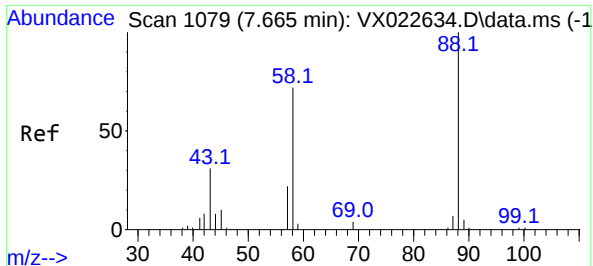
Tgt Ion:130 Resp: 626
Ion Ratio Lower Upper
130 100
95 91.6 0.0 198.0



#47
Bromodichloromethane
Concen: 2.80 ug/l
RT: 7.982 min Scan# 1131
Delta R.T. 0.152 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 83 Resp: 159
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.0#
127 0.0 6.8 10.2#



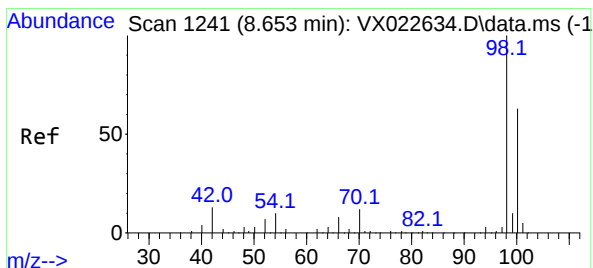
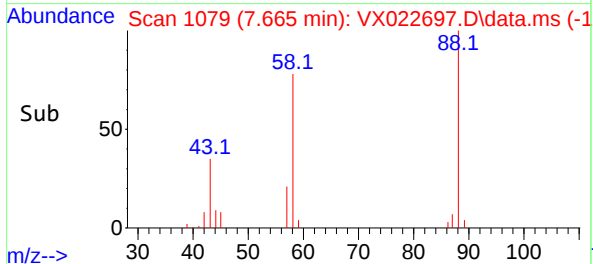
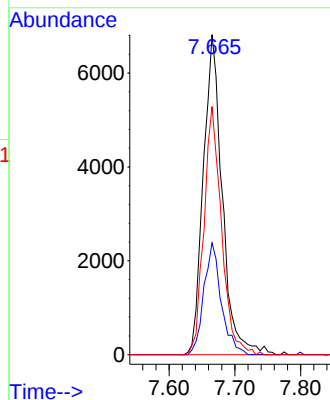
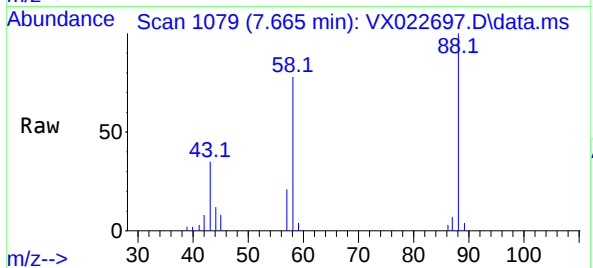


#49
1,4-Dioxane
Concen: 606.94 ug/l
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 88 Resp: 13696

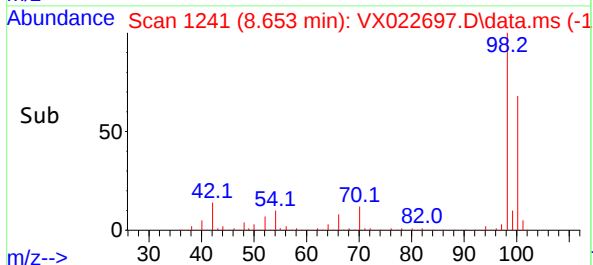
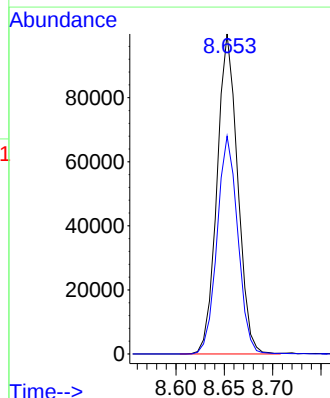
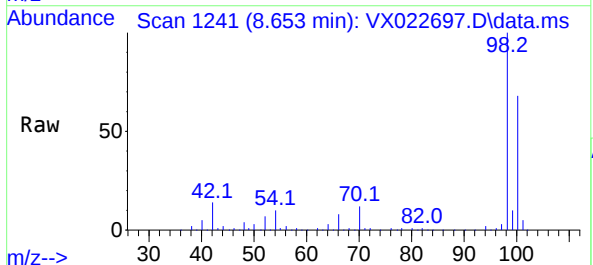
Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.2	34.8
58	71.9	55.0	82.4

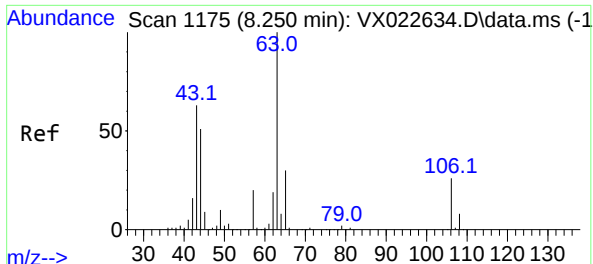


#50
Toluene-d8
Concen: 47.68 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 98 Resp: 148100

Ion	Ratio	Lower	Upper
98	100		
100	68.3	51.9	77.9

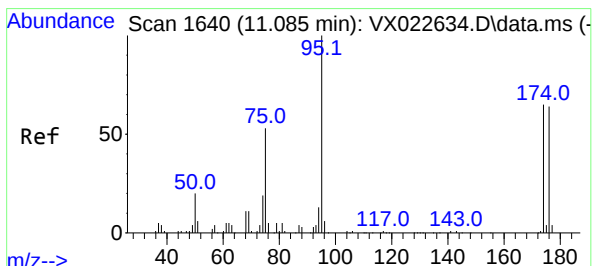
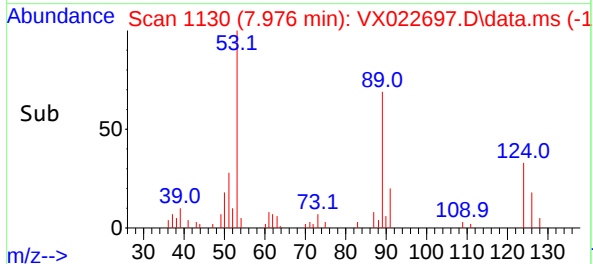
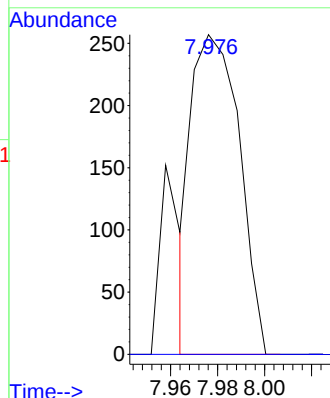
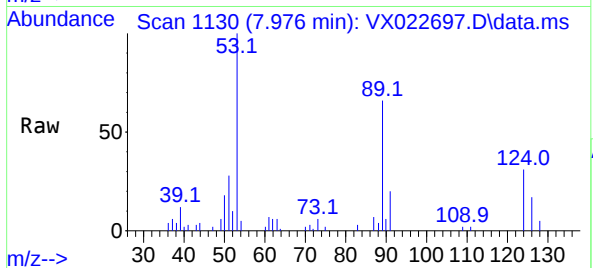




#58
2-Chloroethyl Vinyl ether
Concen: 0.43 ug/l
RT: 7.976 min Scan# 1130
Delta R.T. -0.275 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

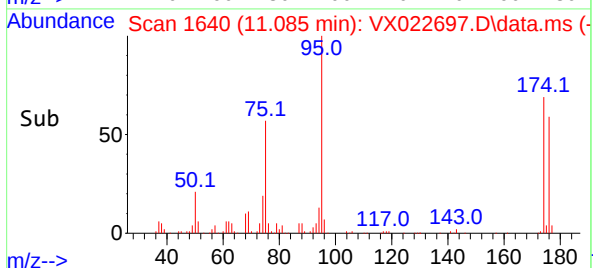
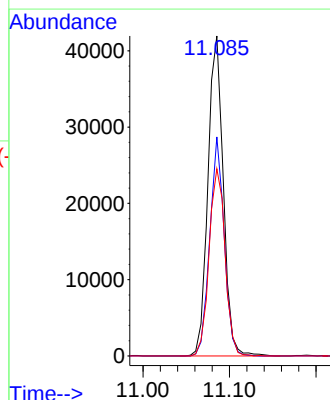
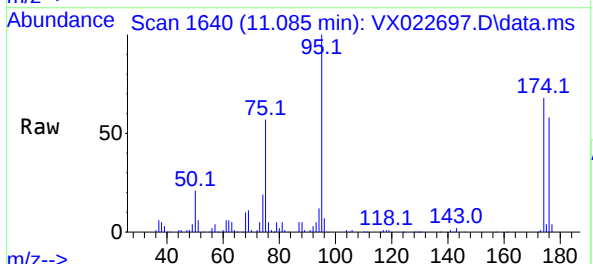
Instrument :
MSVOA_X
ClientSampleId :

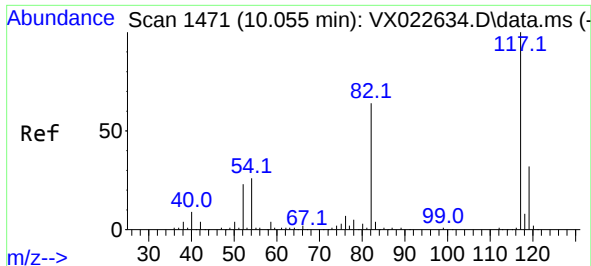
Tgt Ion: 63 Resp: 364
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 43.96 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 95 Resp: 51632
Ion Ratio Lower Upper
95 100
174 64.3 0.0 154.6
176 60.6 0.0 155.8

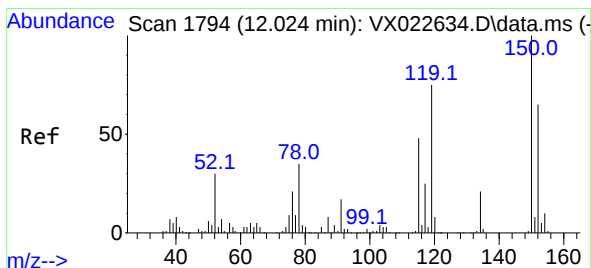
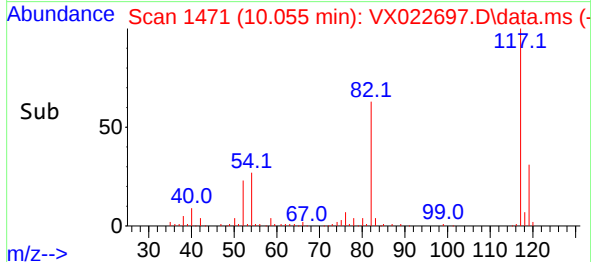
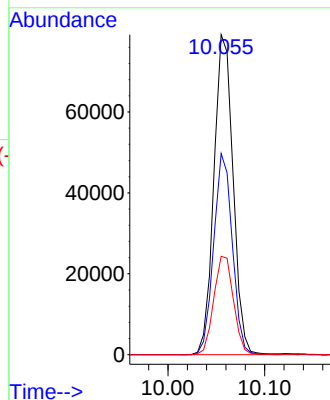
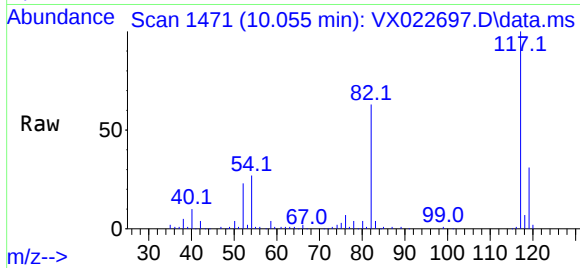




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

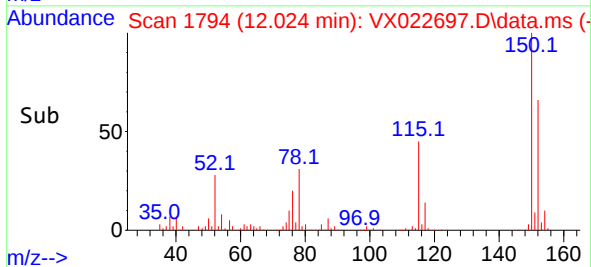
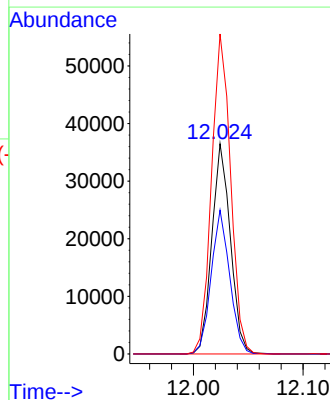
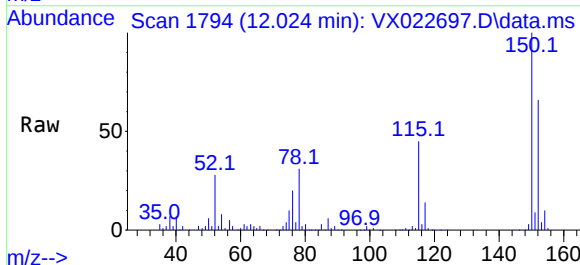
Instrument :
MSVOA_X
ClientSampleId :

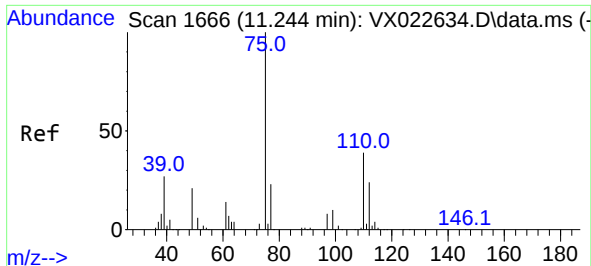
Tgt Ion:117 Resp: 108980
Ion Ratio Lower Upper
117 100
82 62.9 47.4 71.2
119 30.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion:152 Resp: 42862
Ion Ratio Lower Upper
152 100
115 68.6 41.1 123.3
150 156.5 0.0 349.0

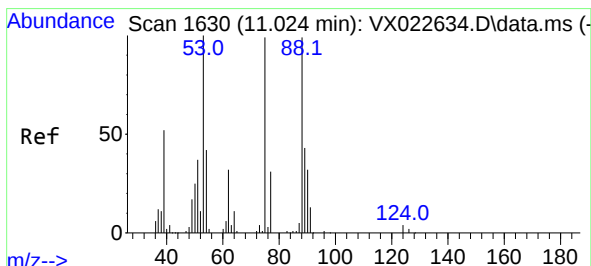
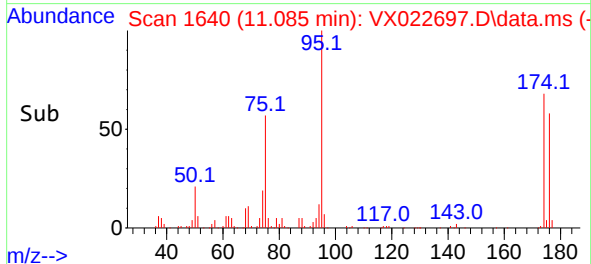
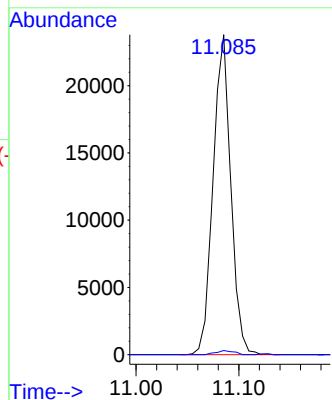
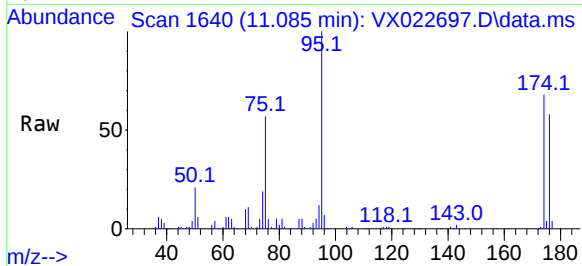




#76
1,2,3-Trichloropropane
Concen: 25.00 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

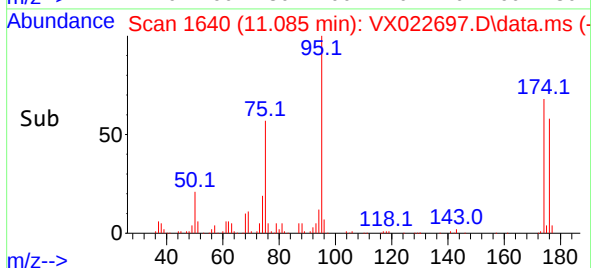
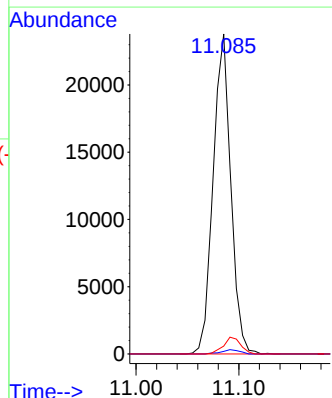
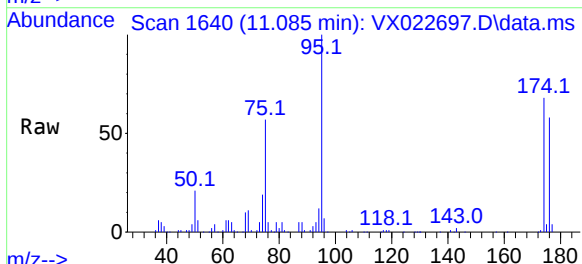
Instrument :
MSVOA_X
ClientSampleId :

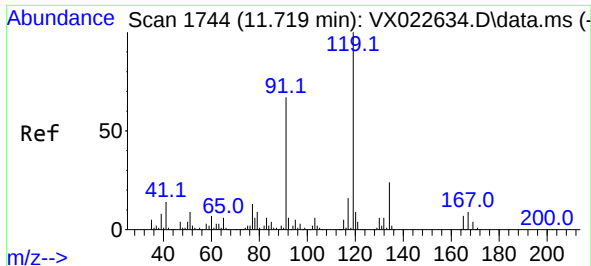
Tgt Ion: 75 Resp: 28409
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.94 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 75 Resp: 28409
Ion Ratio Lower Upper
75 100
53 1.4 74.5 111.7#
89 5.0 37.9 56.9#

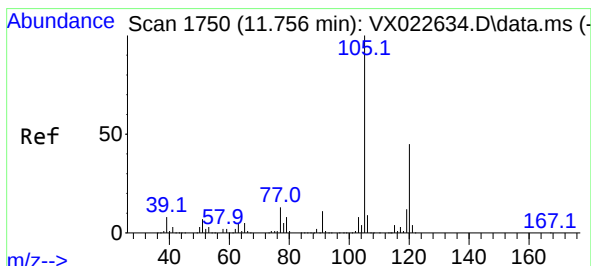
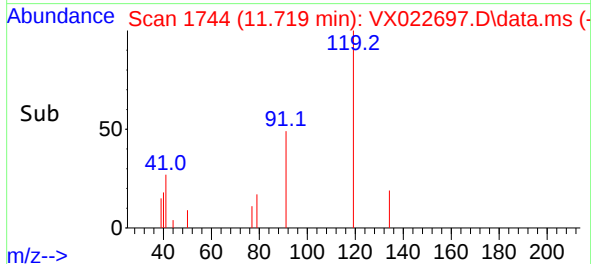
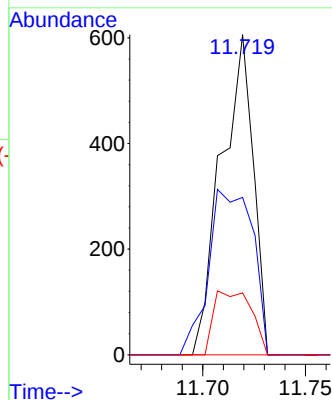
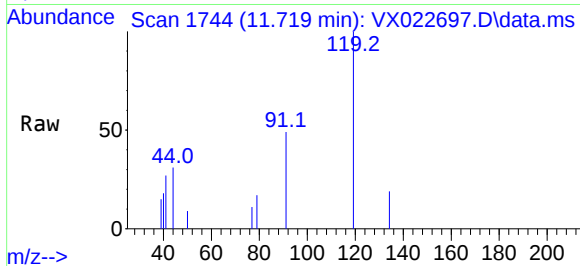




#83
tert-Butylbenzene
Concen: 0.24 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

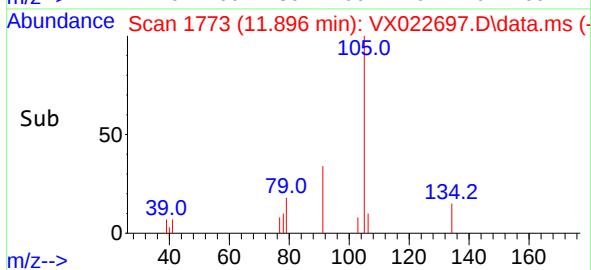
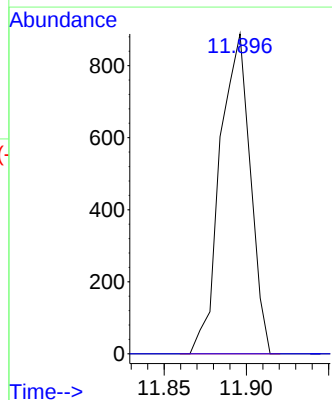
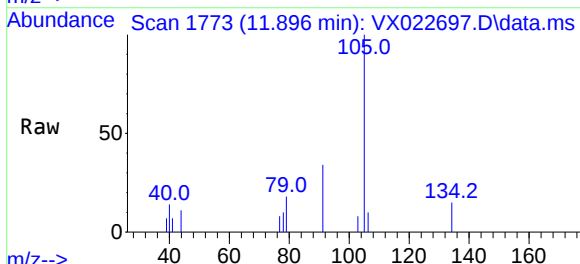
Instrument :
MSVOA_X
ClientSampled :

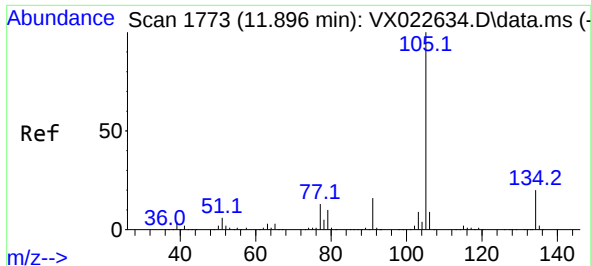
Tgt Ion:	119	Resp:	659
Ion	Ratio	Lower	Upper
119	100		
91	70.7	27.9	83.7
134	23.4	11.3	33.9



#84
1,2,4-Trimethylbenzene
Concen: 0.38 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.140 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion:	105	Resp:	1135
Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.4	67.3#

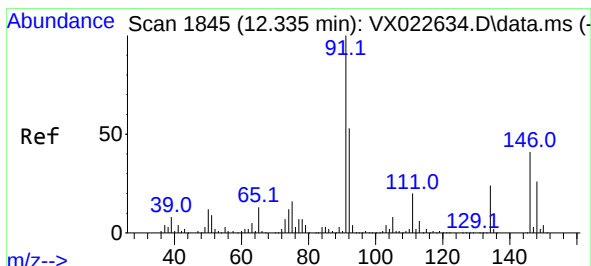
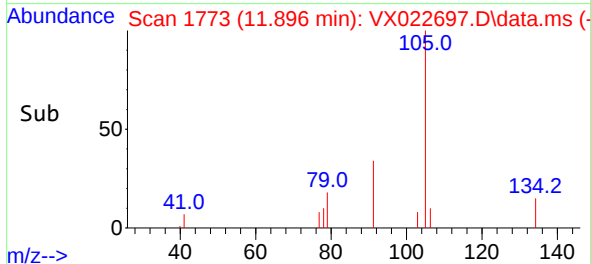
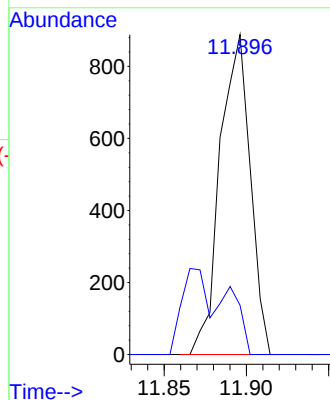
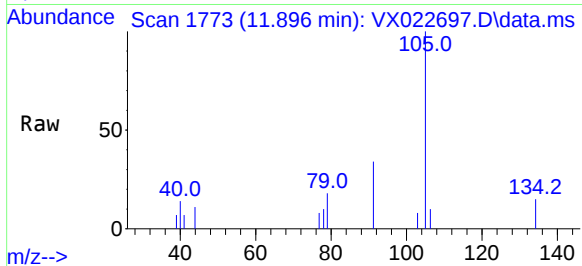




#85
sec-Butylbenzene
Concen: 0.32 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

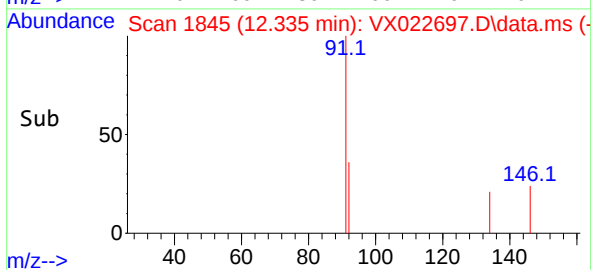
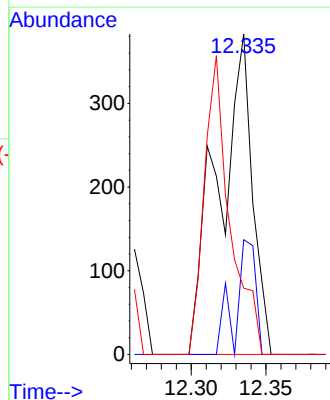
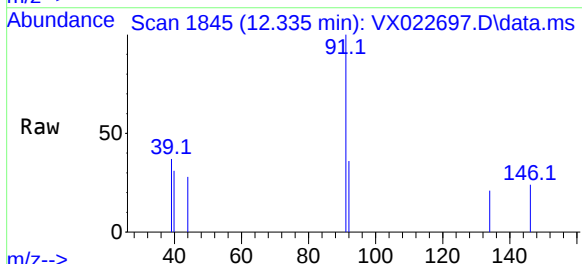
Instrument :
MSVOA_X
ClientSampled :

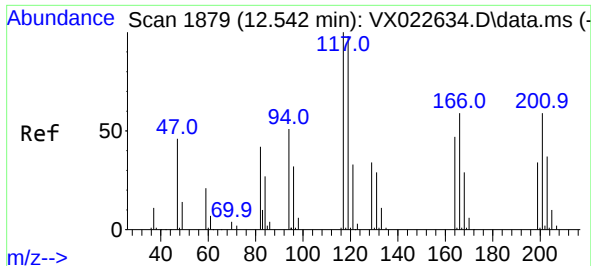
Tgt Ion:105 Resp: 1135
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#



#89
n-Butylbenzene
Concen: 0.21 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Tgt Ion: 91 Resp: 603
Ion Ratio Lower Upper
91 100
92 21.4 27.4 82.0#
134 70.8 13.2 39.5#

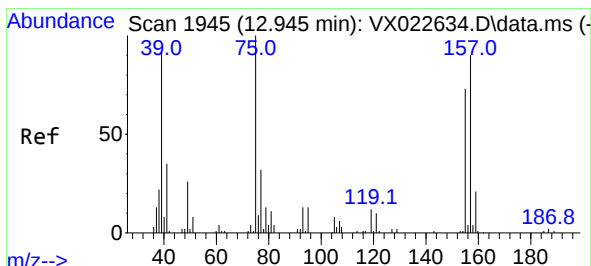
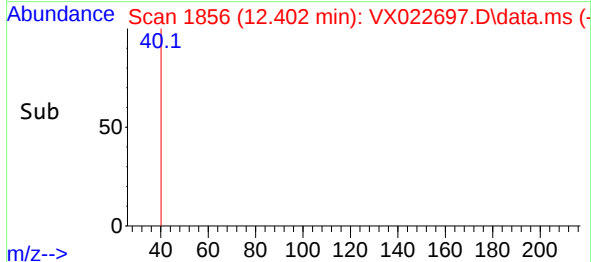
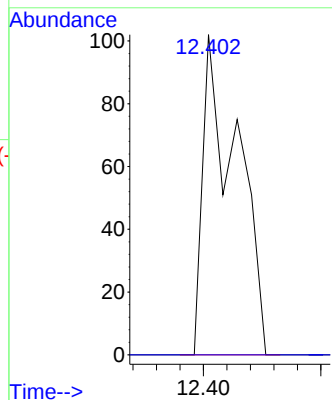
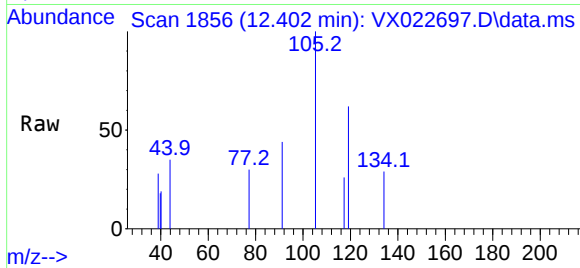




#90
Hexachloroethane
Concen: 3.86 ug/l
RT: 12.402 min Scan# 1856
Delta R.T. -0.140 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

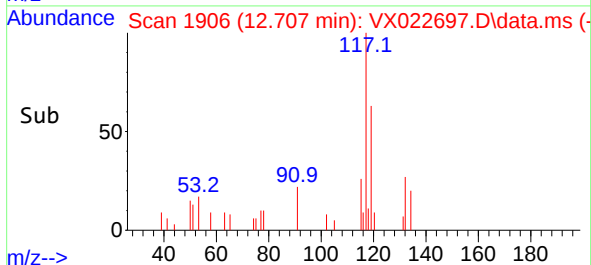
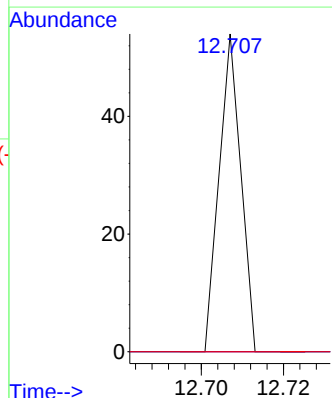
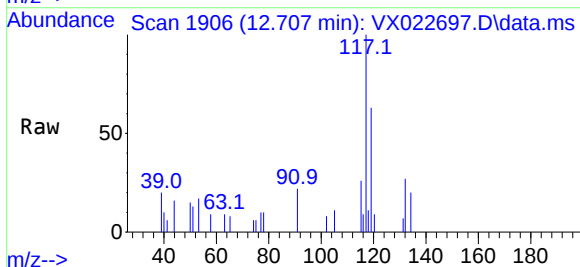
Instrument :
MSVOA_X
ClientSampled :

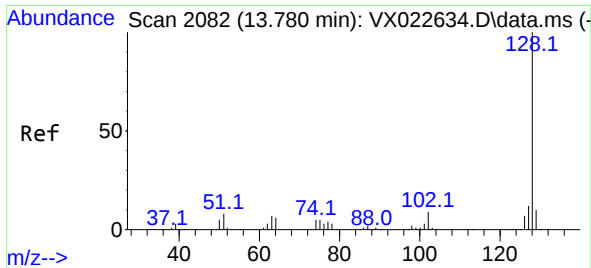
Tgt Ion:117 Resp: 102
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.00 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. -0.238 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

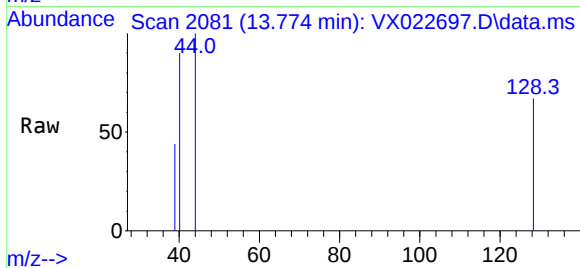
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 1.49 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX022697.D
Acq: 14 Jun 2021 16:39

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 70
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 31.4 8.8 13.2#

