

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081721\
 Data File : VX023769.D
 Acq On : 17 Aug 2021 17:40
 Operator : JC/MD
 Sample : M3407-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 27N

Quant Time: Aug 17 18:05:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

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

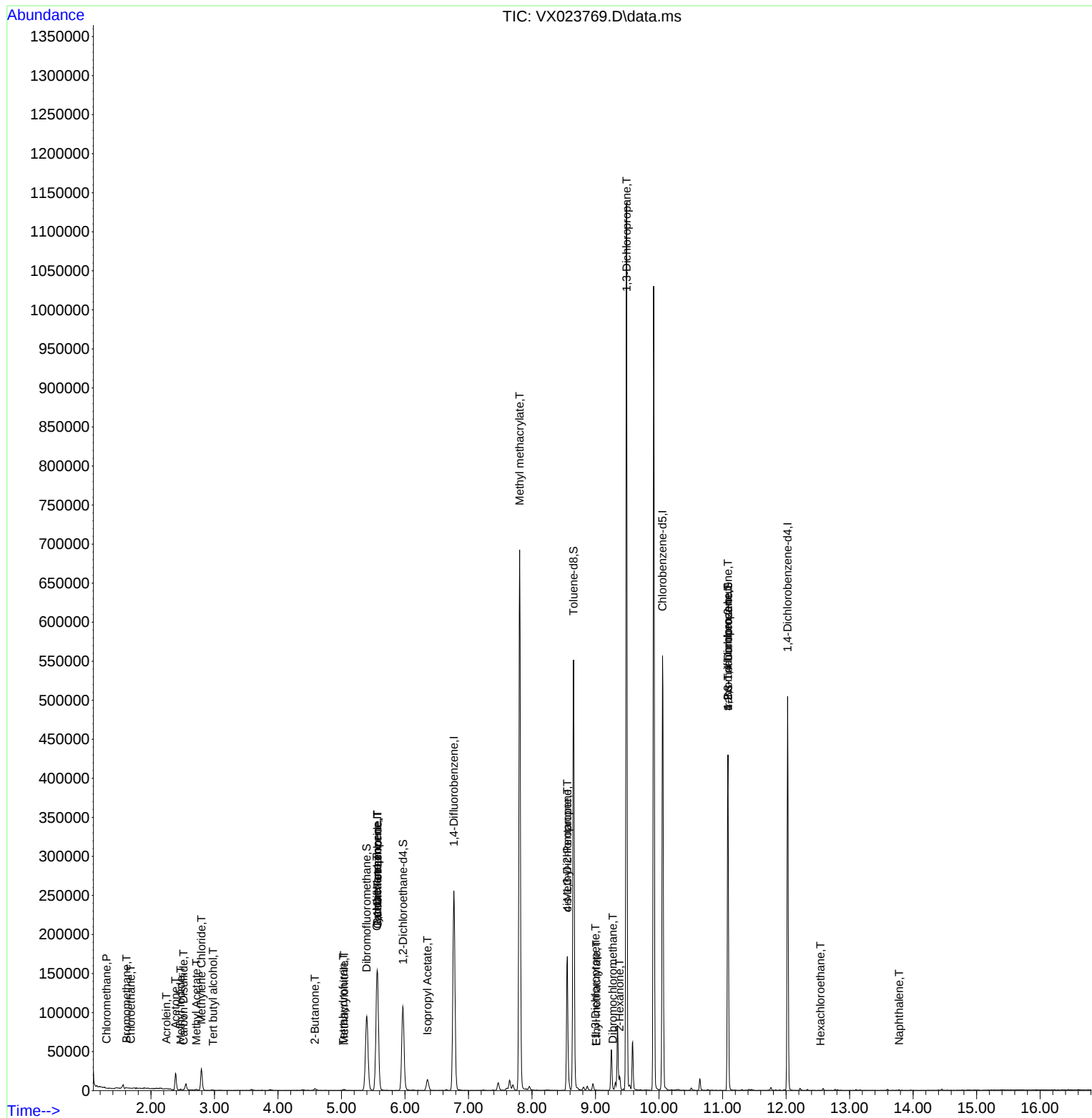
Internal Standards						
1) Pentafluorobenzene	5.562	168	146111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	254022	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	105032	51.505	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.020%	
35) Dibromofluoromethane	5.397	113	81149	48.265	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.540%	
50) Toluene-d8	8.653	98	313368	48.970	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.940%	
62) 4-Bromofluorobenzene	11.085	95	109046	46.290	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	352	0.208	ug/l	99
5) Bromomethane	1.618	94	740	0.713	ug/l #	69
6) Chloroethane	1.685	64	101	2.288	ug/l #	43
10) Methyl Iodide	2.465	142	1140	0.558	ug/l #	94
11) Tert butyl alcohol	2.977	59	451	1.094	ug/l #	73
13) Acrolein	2.239	56	127	0.517	ug/l #	5
16) Acetone	2.386	43	22271	24.425	ug/l	94
17) Carbon Disulfide	2.514	76	898	0.269	ug/l #	93
18) Methyl Acetate	2.715	43	1606	0.706	ug/l #	87
20) Methylene Chloride	2.794	84	11741	6.741	ug/l	90
25) 2-Butanone	4.580	43	3053	2.211	ug/l	97
29) Tetrahydrofuran	5.025	42	554	0.619	ug/l #	43
31) Cyclohexane	5.556	56	3521	1.344	ug/l #	20
36) 1,1-Dichloropropene	5.562	75	11557	4.913	ug/l #	49
38) Carbon Tetrachloride	5.568	117	15249	6.216	ug/l #	16
41) Methacrylonitrile	5.044	41	710	0.453	ug/l #	39
43) Isopropyl Acetate	6.354	43	18441	4.077	ug/l #	91
48) Methyl methacrylate	7.805	41	61880	28.045	ug/l #	38
51) 4-Methyl-2-Pentanone	8.555	43	63124	21.590	ug/l #	46
53) t-1,3-Dichloropropene	9.000	75	39	2.150	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	25464	9.037	ug/l #	72
56) Ethyl methacrylate	9.013	69	126	0.799	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	8767	2.848	ug/l #	42
59) 2-Hexanone	9.378	43	9866	4.390	ug/l #	19
60) Dibromochloromethane	9.275	129	61	1.717	ug/l #	11
76) 1,2,3-Trichloropropane	11.085	75	58202	25.479	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58202	74.947	ug/l #	12
90) Hexachloroethane	12.542	117	20	1.484	ug/l #	9
95) Naphthalene	13.780	128	707	1.379	ug/l #	69

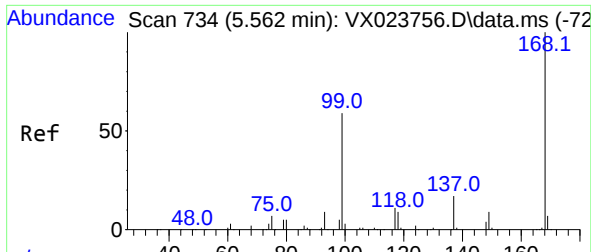
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 17 18:05:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 17 11:57:51 2021
Response via : Initial Calibration

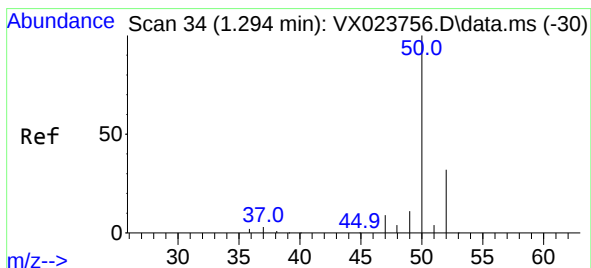
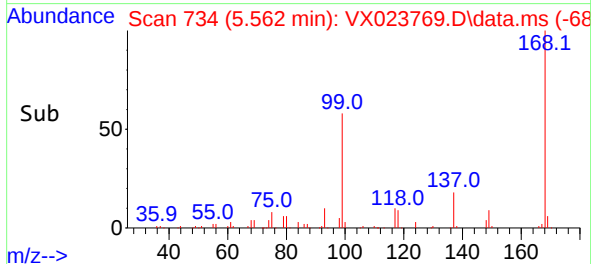
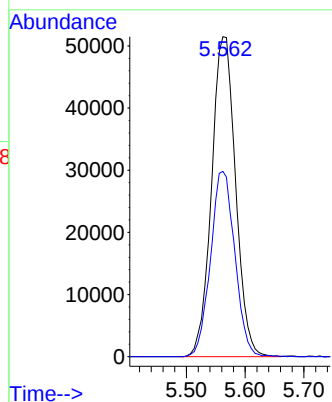
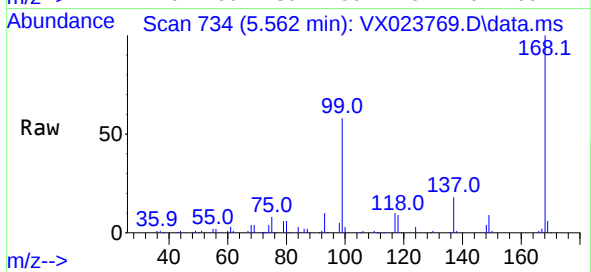




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

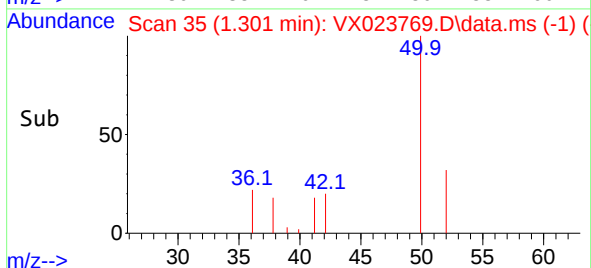
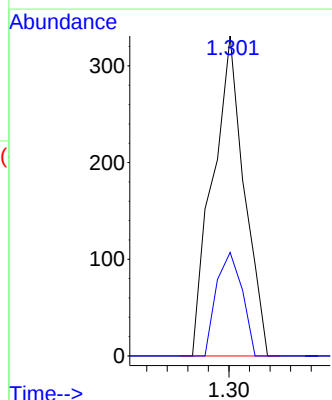
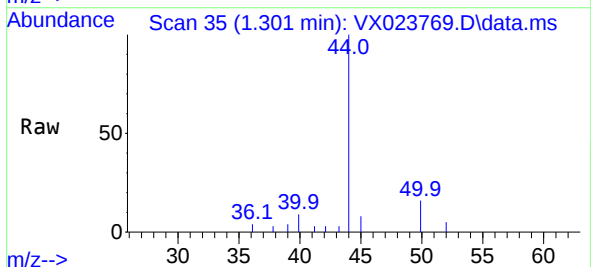
Instrument :
MSVOA_X
ClientSampleId :
27N

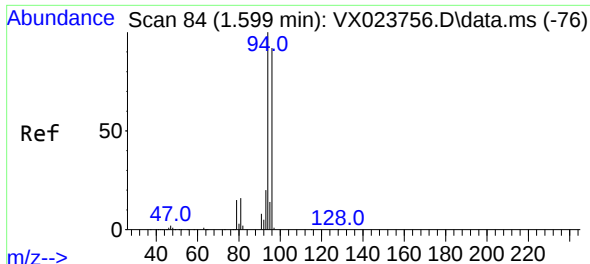
Tgt Ion:168 Resp: 146111
Ion Ratio Lower Upper
168 100
99 57.9 45.8 68.6



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 32.3 26.4 39.6

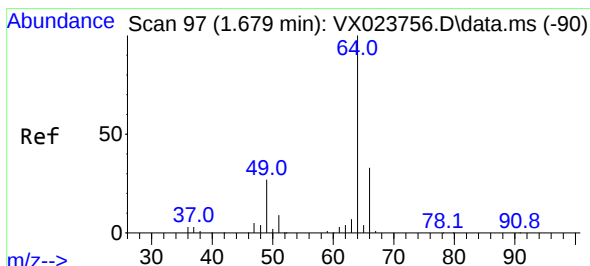
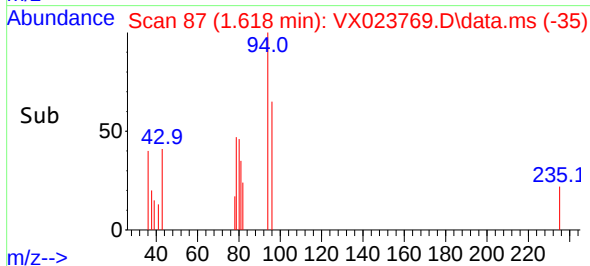
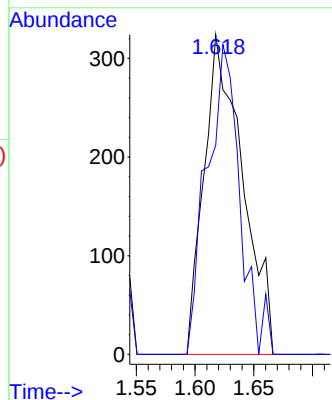
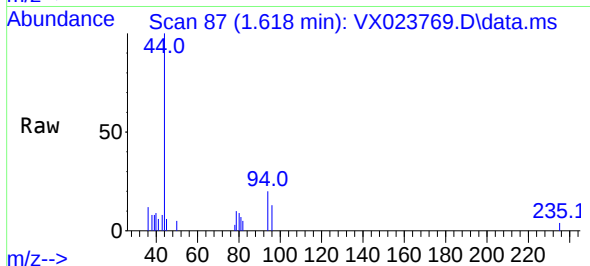




#5
Bromomethane
Concen: 0.713 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

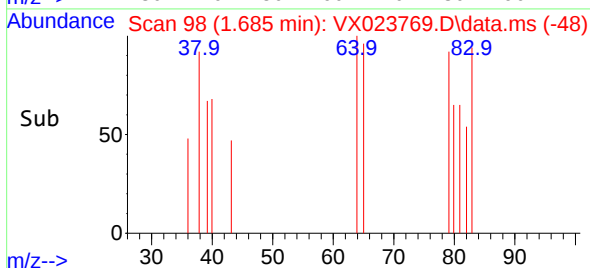
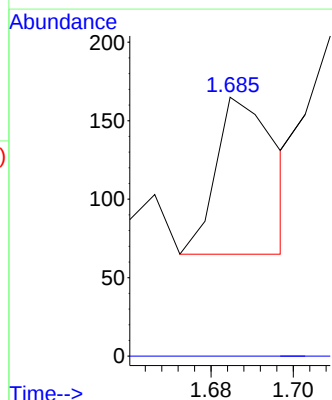
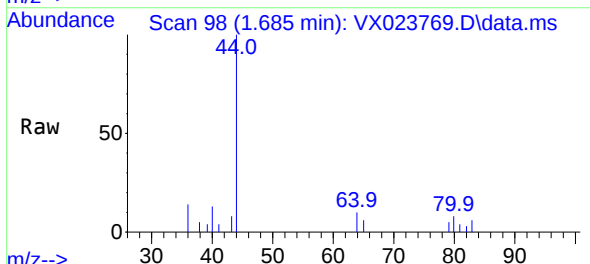
Instrument :
MSVOA_X
ClientSampled :
27N

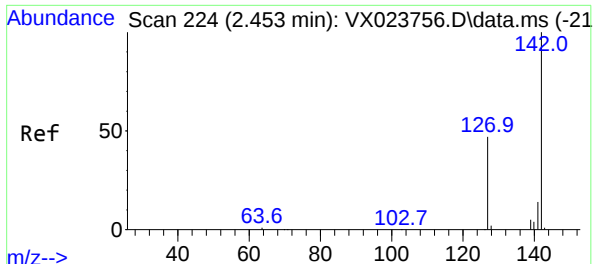
Tgt Ion: 94 Resp: 740
Ion Ratio Lower Upper
94 100
96 65.4 76.4 114.6#



#6
Chloroethane
Concen: 2.288 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

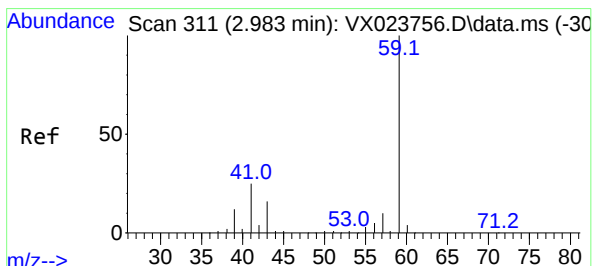
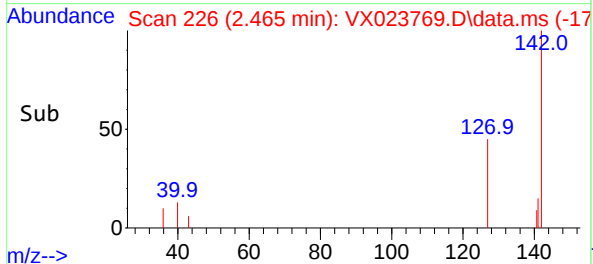
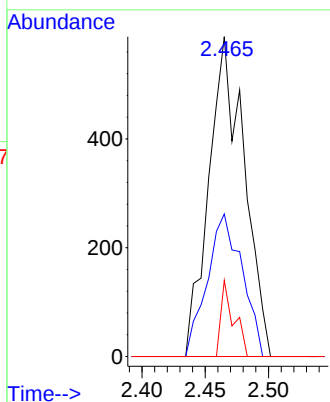
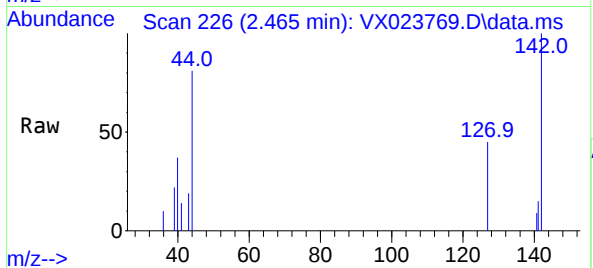




#10
Methyl Iodide
Concen: 0.558 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

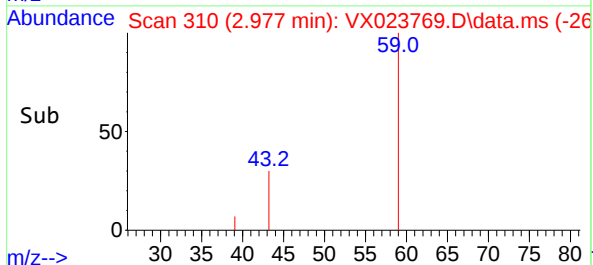
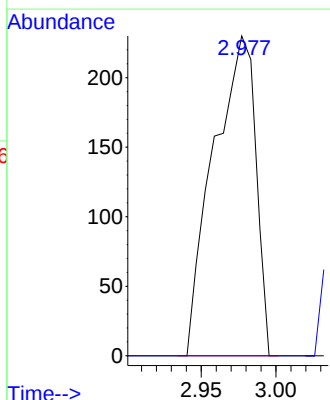
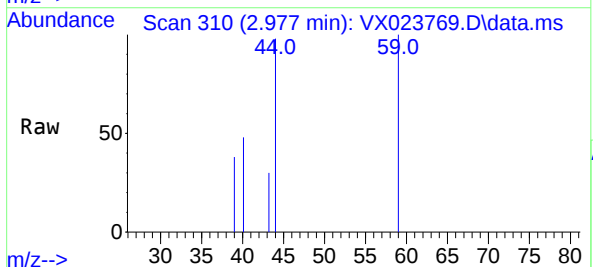
Instrument :
MSVOA_X
ClientSampled :
27N

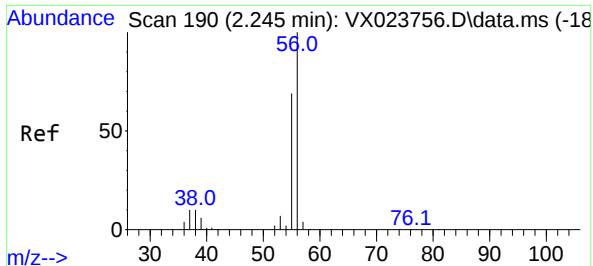
Tgt Ion:142 Resp: 1140
Ion Ratio Lower Upper
142 100
127 44.1 33.3 49.9
141 8.6 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.094 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.006 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

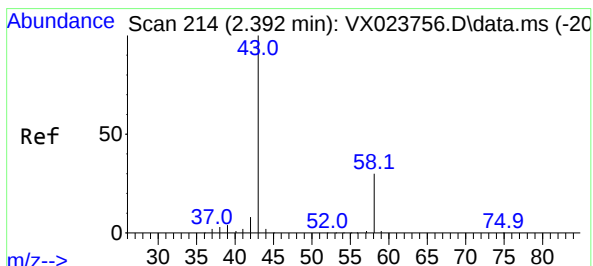
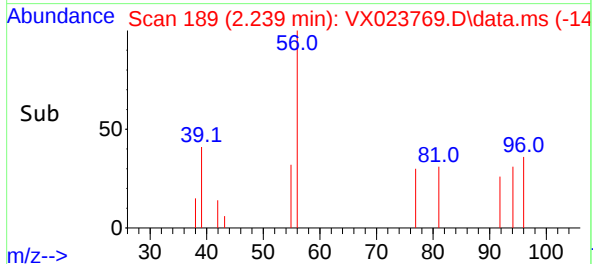
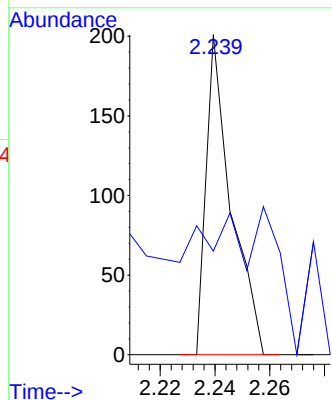
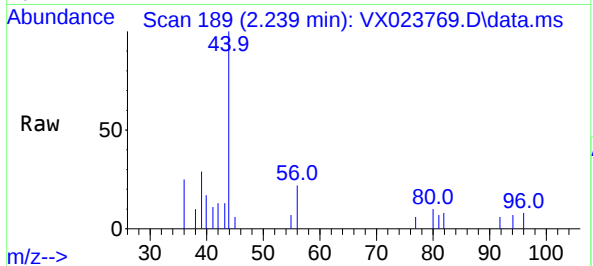




#13
Acrolein
Concen: 0.517 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.006 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

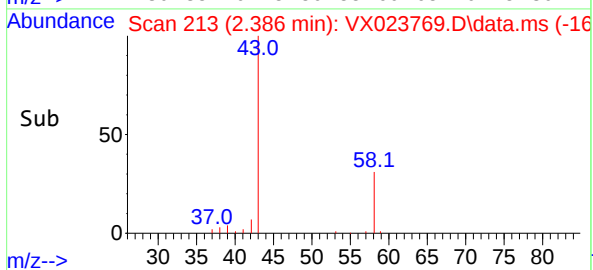
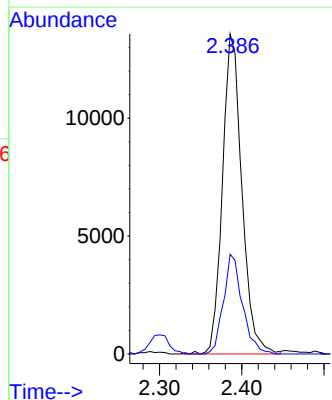
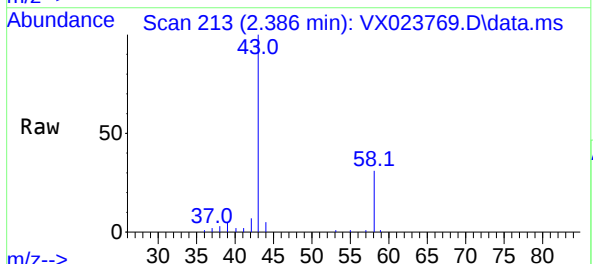
Instrument :
MSVOA_X
ClientSampled :
27N

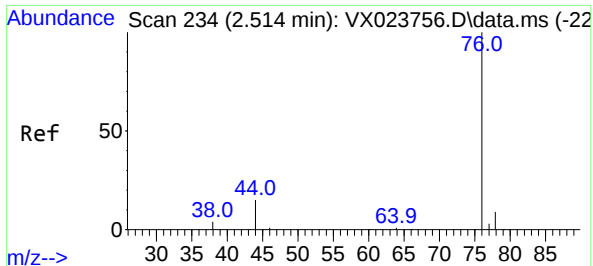
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 148.8 56.4 84.6#



#16
Acetone
Concen: 24.425 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 43 Resp: 22271
Ion Ratio Lower Upper
43 100
58 31.1 27.8 41.8

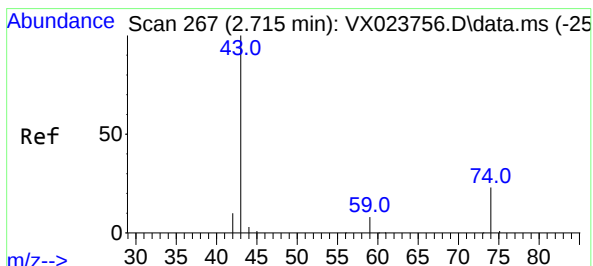
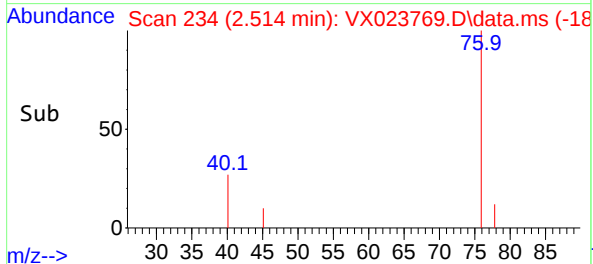
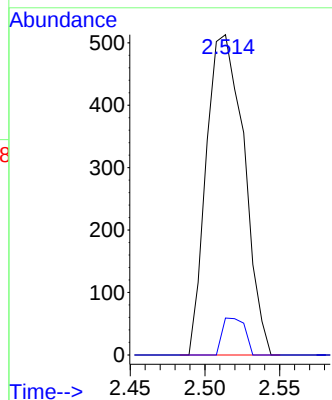
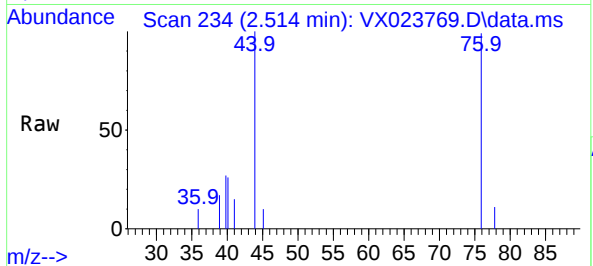




#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

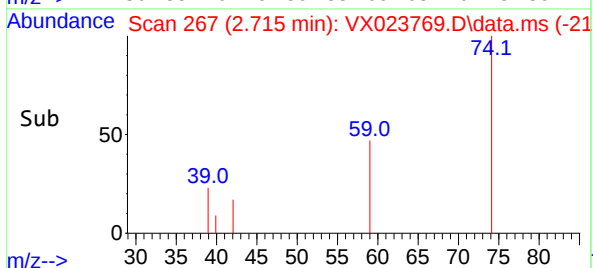
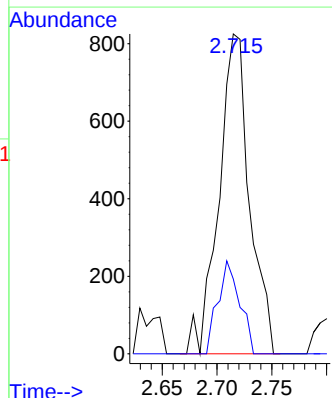
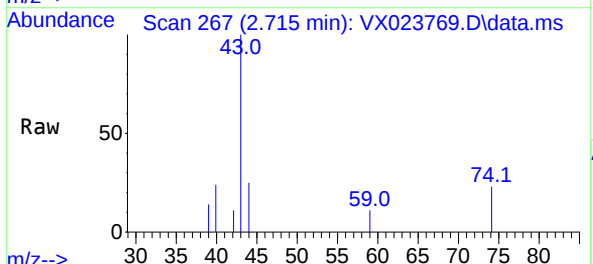
Instrument :
MSVOA_X
ClientSampled :
27N

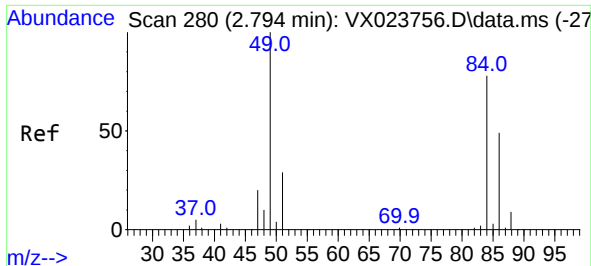
Tgt Ion: 76 Resp: 898
Ion Ratio Lower Upper
76 100
78 11.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.706 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 43 Resp: 1606
Ion Ratio Lower Upper
43 100
74 20.7 21.9 32.9#



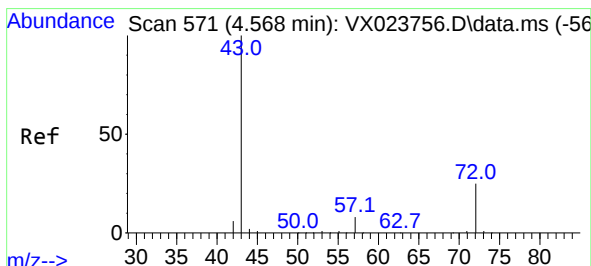
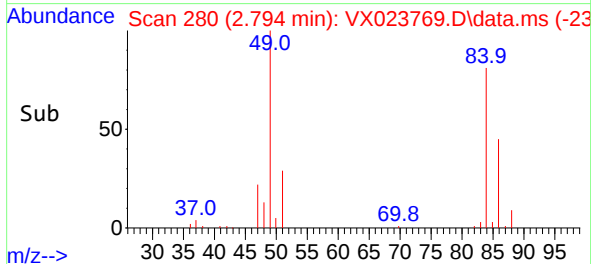
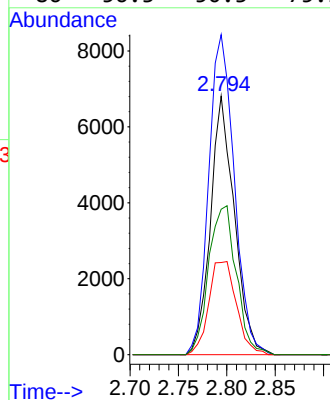
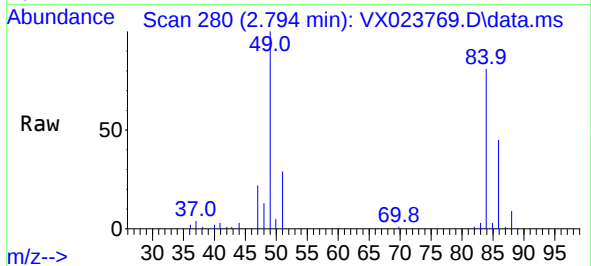


#20
Methylene Chloride
Concen: 6.741 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Instrument :
MSVOA_X
ClientSampleId :
27N

Tgt Ion: 84 Resp: 11741

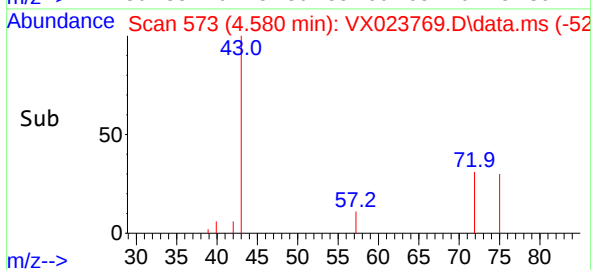
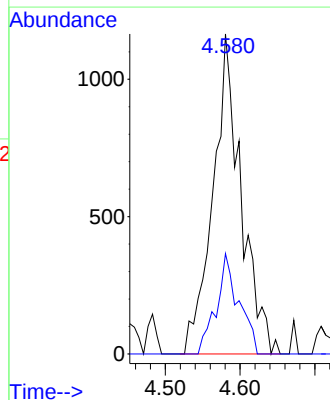
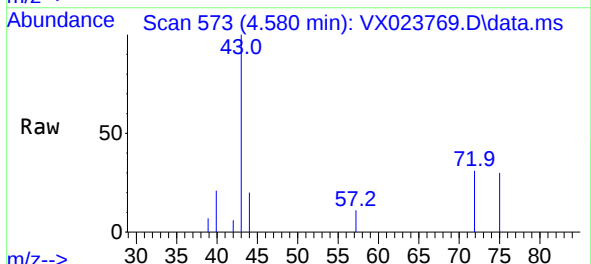
Ion	Ratio	Lower	Upper
84	100		
49	123.7	88.6	132.8
51	35.6	27.0	40.6
86	56.3	50.3	75.5

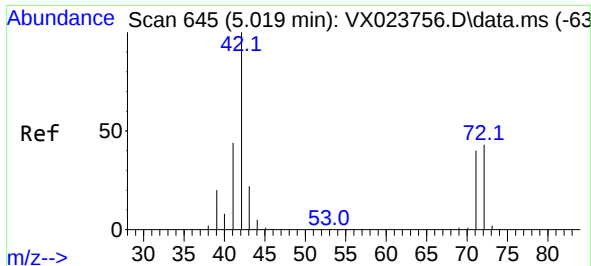


#25
2-Butanone
Concen: 2.211 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 43 Resp: 3053

Ion	Ratio	Lower	Upper
43	100		
72	31.3	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.619 ug/l

RT: 5.025 min Scan# 646

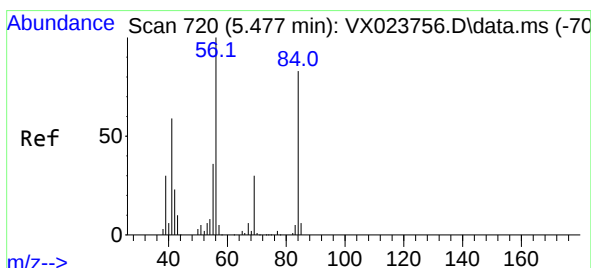
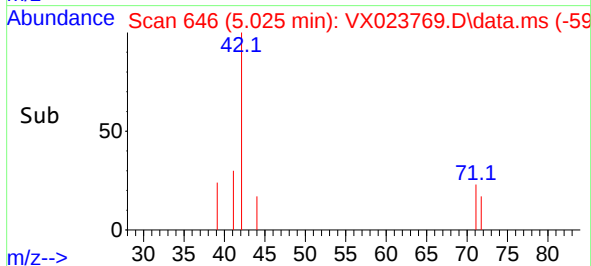
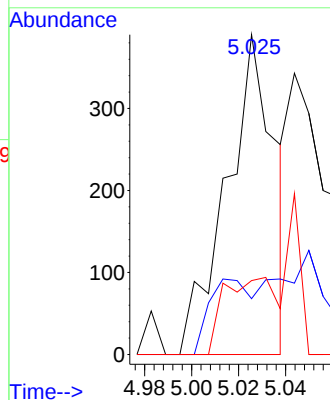
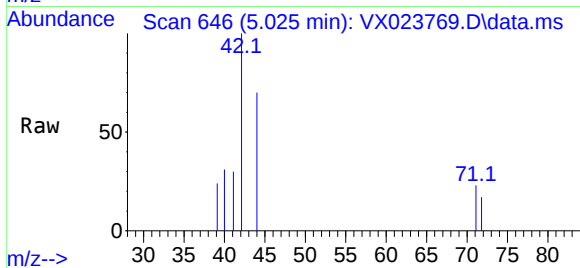
Delta R.T. 0.006 min

Lab File: VX023769.D

Acq: 17 Aug 2021 17:40

Tgt Ion:	42	Resp:	554
Ion	Ratio	Lower	Upper
42	100		
72	20.6	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :
27N



#31

Cyclohexane

Concen: 1.344 ug/l

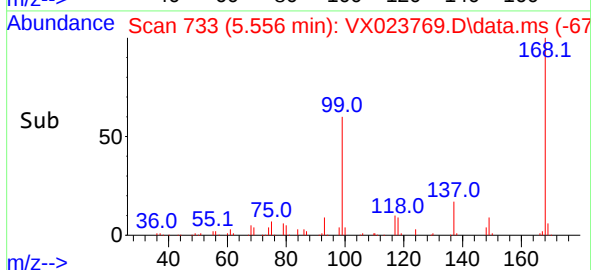
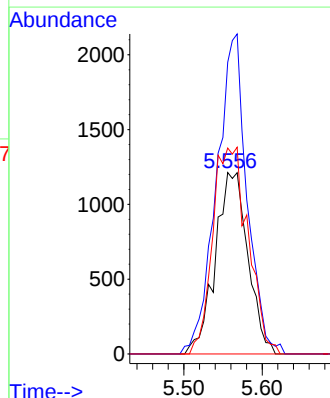
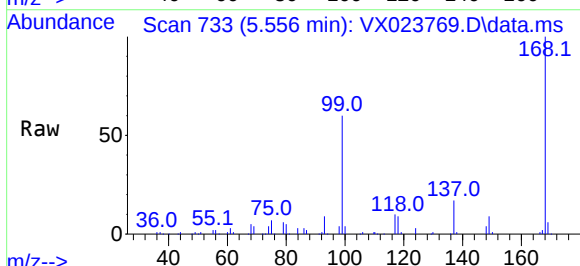
RT: 5.556 min Scan# 733

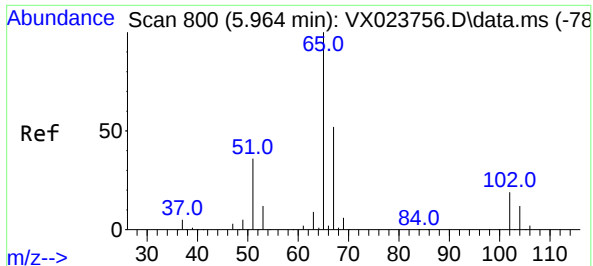
Delta R.T. 0.079 min

Lab File: VX023769.D

Acq: 17 Aug 2021 17:40

Tgt Ion:	56	Resp:	3521
Ion	Ratio	Lower	Upper
56	100		
69	160.8	25.3	37.9#
84	113.5	71.4	107.0#



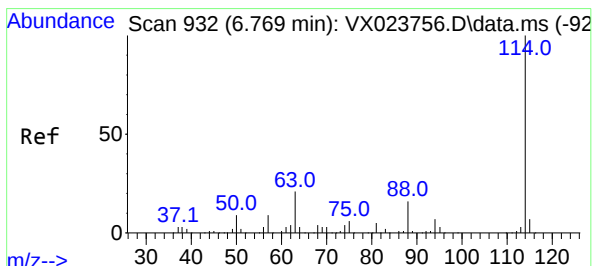
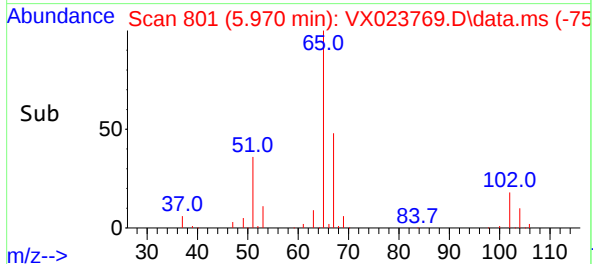
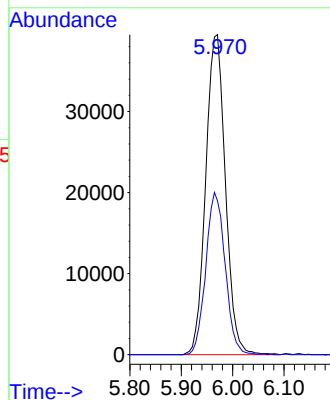
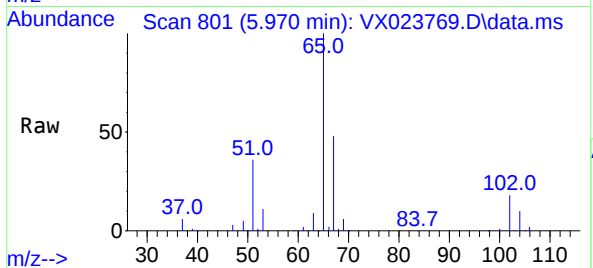


#33

1,2-Dichloroethane-d4
Concen: 51.505 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Instrument :
MSVOA_X
ClientSampled :
27N

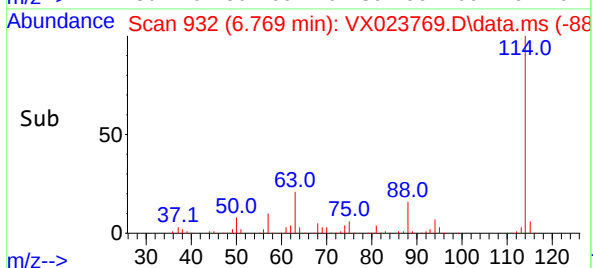
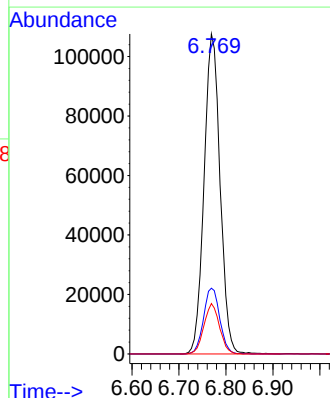
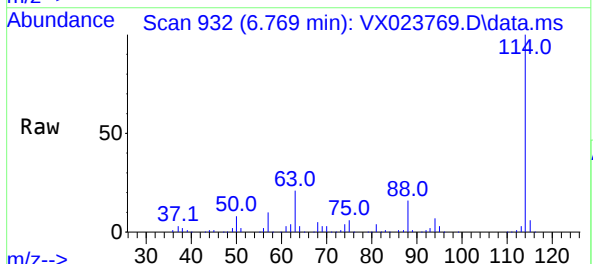
Tgt Ion: 65 Resp: 105032
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4

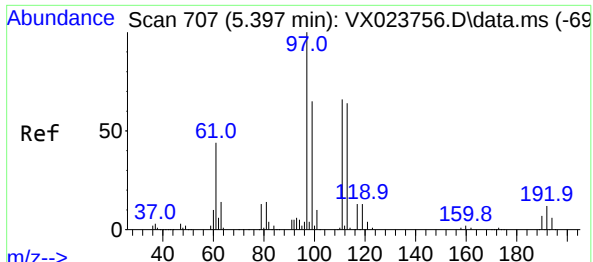


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 114 Resp: 254022
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.8 0.0 32.8

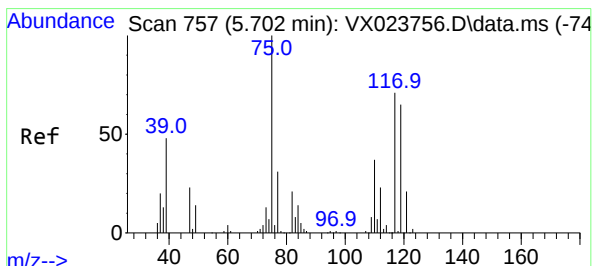
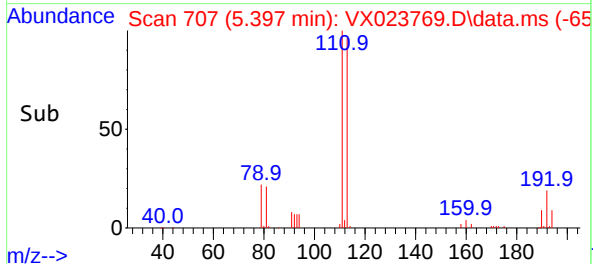
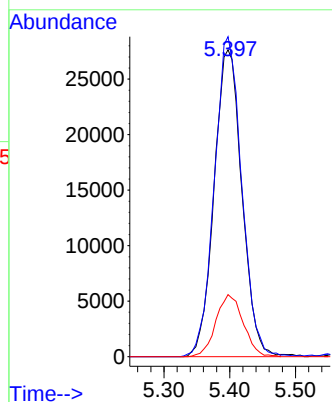
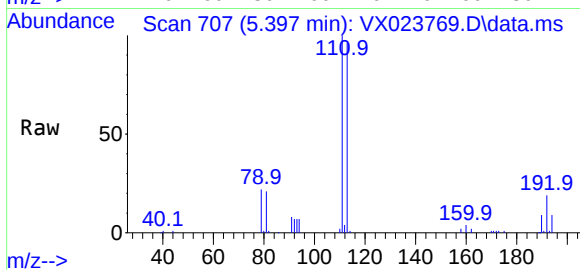




#35
Dibromofluoromethane
Concen: 48.265 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

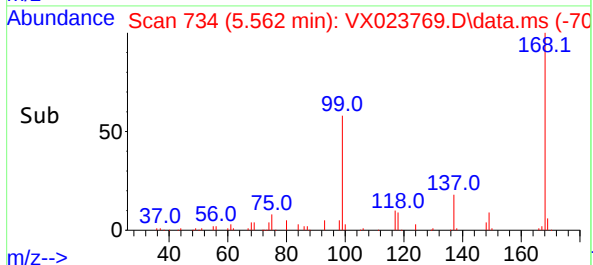
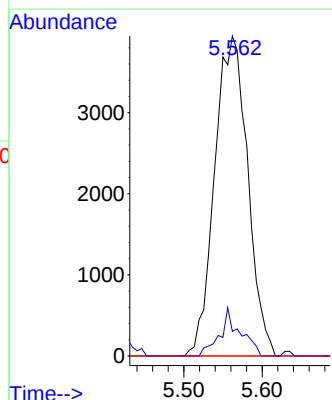
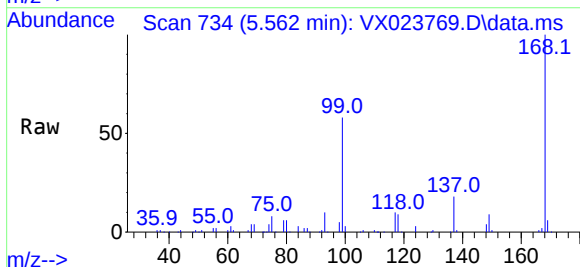
Instrument :
MSVOA_X
ClientSampled :
27N

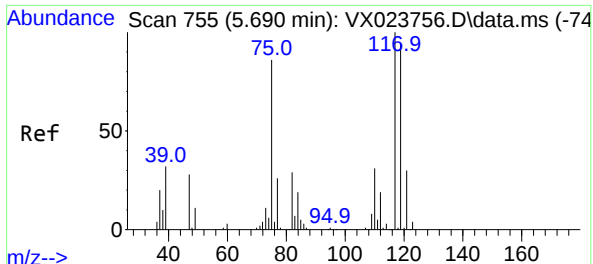
Tgt Ion:	113	Resp:	81149
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	20.0	16.7	25.1



#36
1,1-Dichloropropene
Concen: 4.913 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

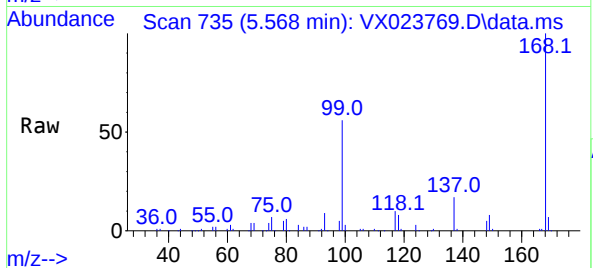
Tgt Ion:	75	Resp:	11557
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#



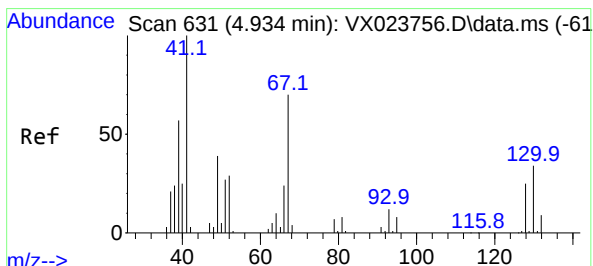
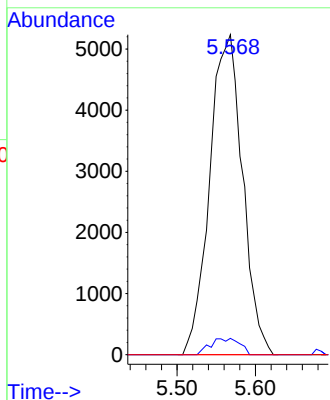
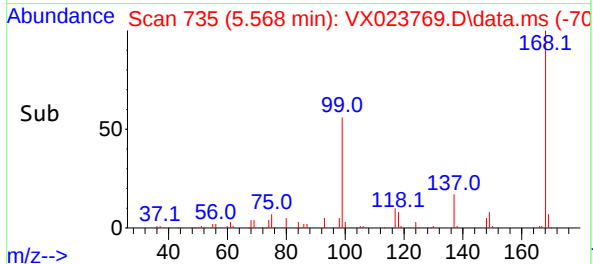


#38
Carbon Tetrachloride
Concen: 6.216 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

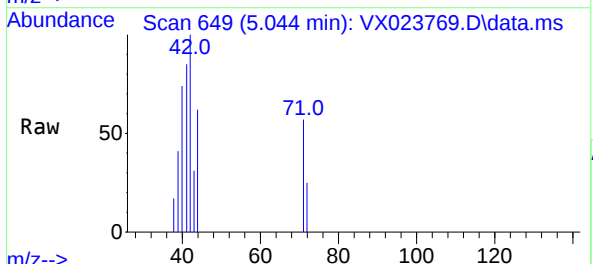
Instrument :
MSVOA_X
ClientSampled :
27N



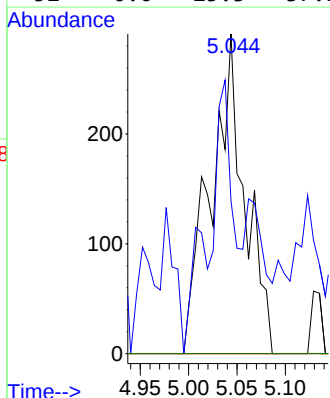
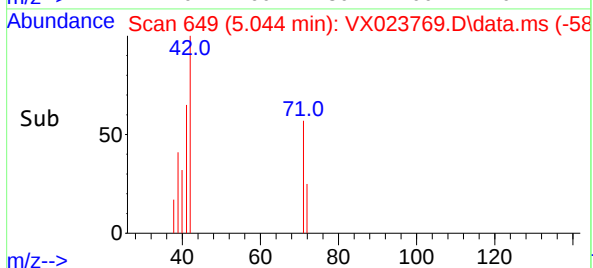
Tgt Ion:117 Resp: 15249
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#

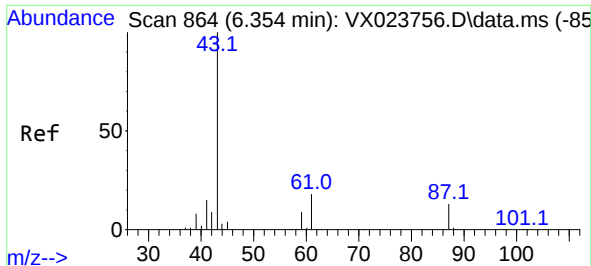


#41
Methacrylonitrile
Concen: 0.453 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.110 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40



Tgt Ion: 41 Resp: 710
Ion Ratio Lower Upper
41 100
39 64.5 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

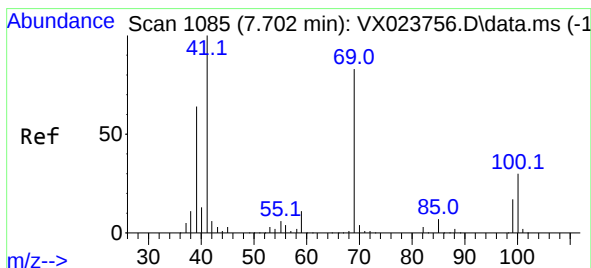
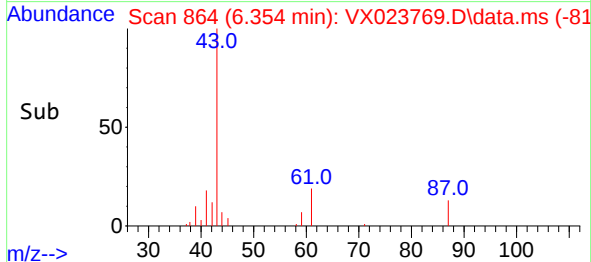
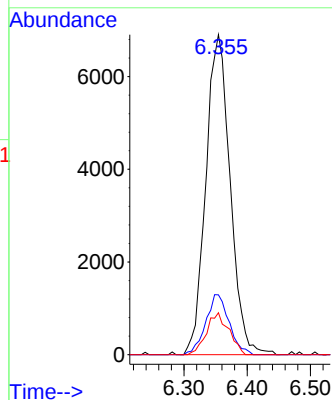
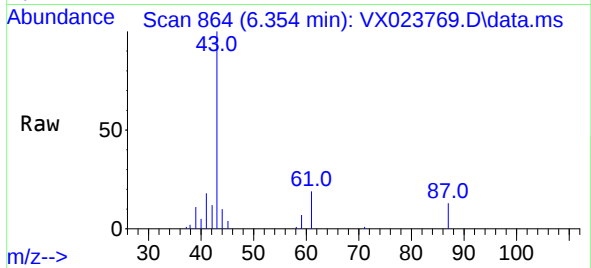




#43
Isopropyl Acetate
Concen: 4.077 ug/l
RT: 6.354 min Scan# 864
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

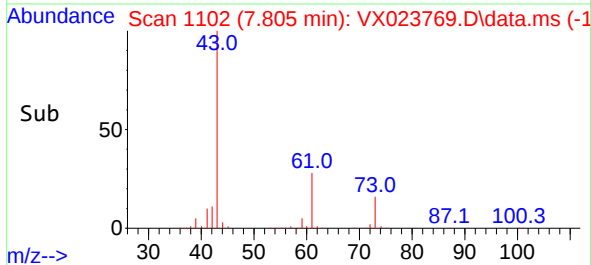
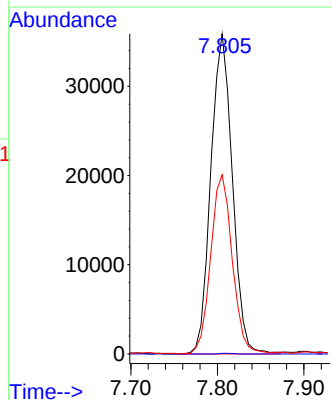
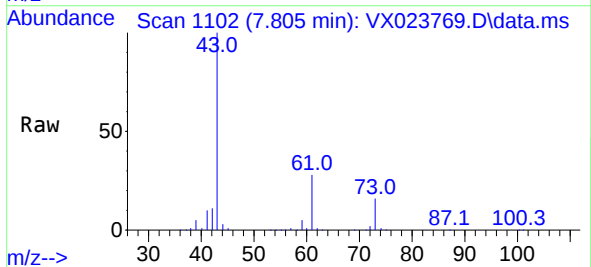
Instrument :
MSVOA_X
ClientSampled :
27N

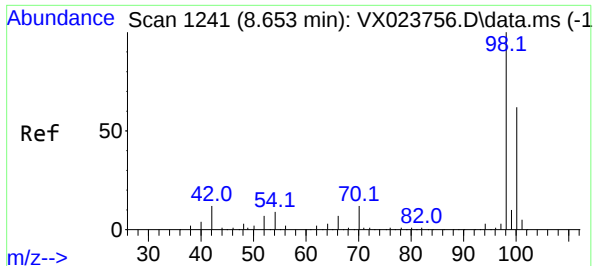
Tgt Ion: 43 Resp: 18441
Ion Ratio Lower Upper
43 100
61 18.1 18.2 27.4#
87 12.0 12.5 18.7#



#48
Methyl methacrylate
Concen: 28.045 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.103 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 41 Resp: 61880
Ion Ratio Lower Upper
41 100
69 0.1 76.0 114.0#
39 56.3 44.6 67.0

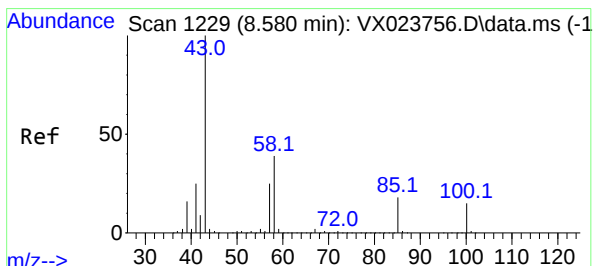
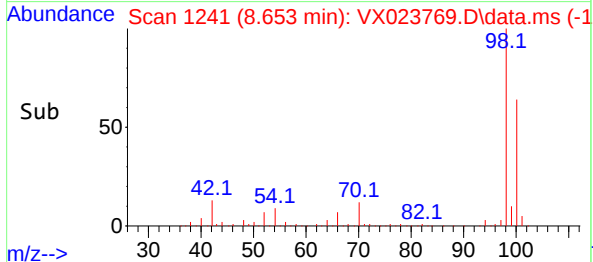
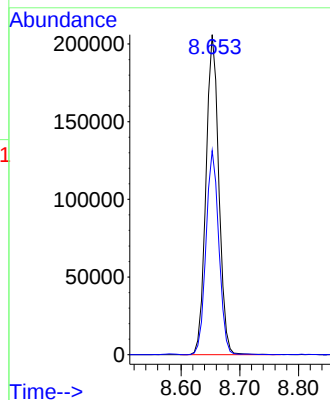
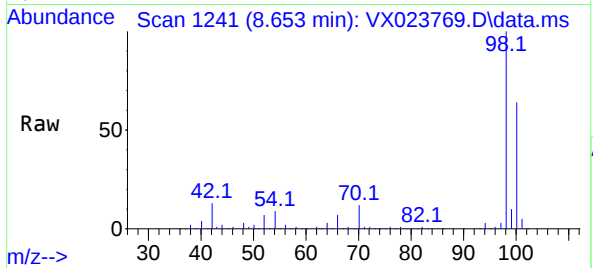




#50
Toluene-d8
Concen: 48.970 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

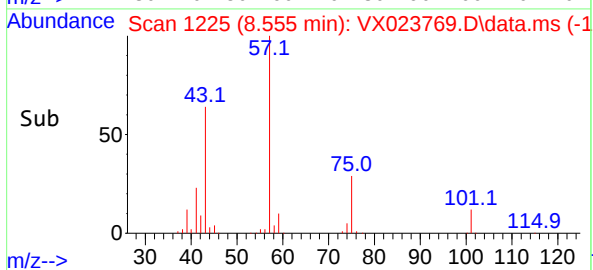
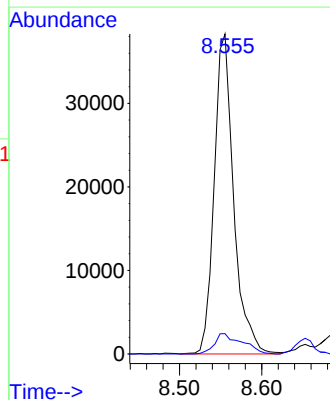
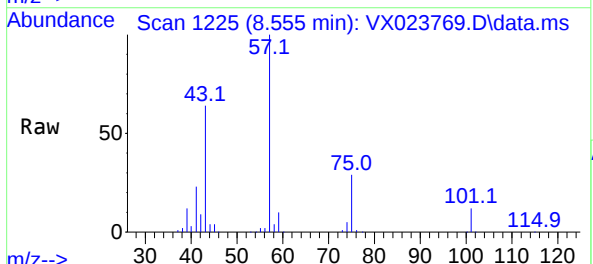
Instrument :
MSVOA_X
ClientSampled :
27N

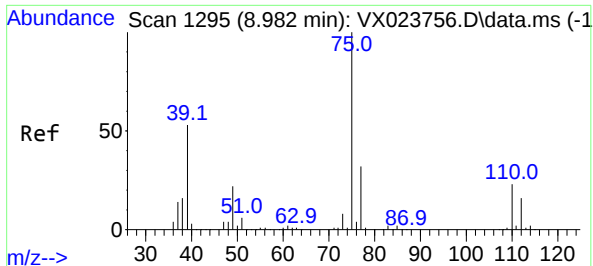
Tgt Ion: 98 Resp: 313368
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.590 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 43 Resp: 63124
Ion Ratio Lower Upper
43 100
58 9.1 35.4 53.0#

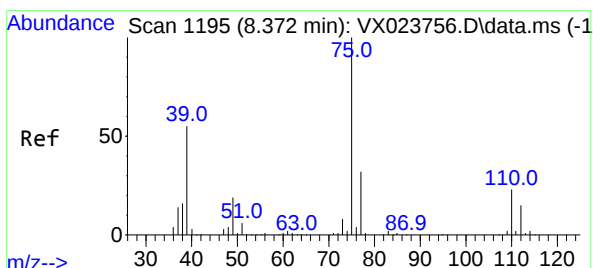
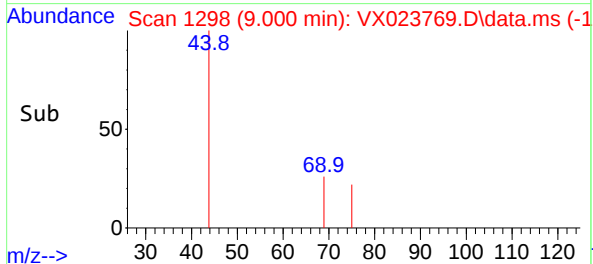
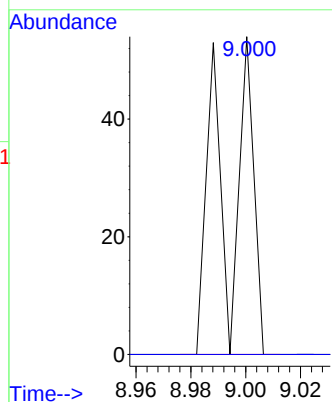
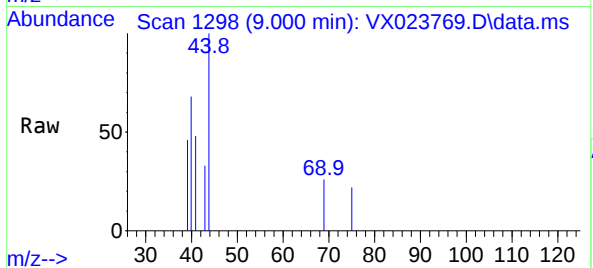




#53
t-1,3-Dichloropropene
Concen: 2.150 ug/l
RT: 9.000 min Scan# 1298
Delta R.T. 0.018 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

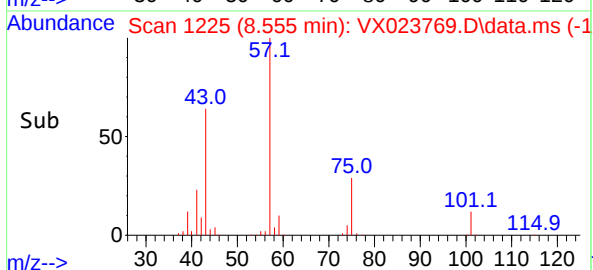
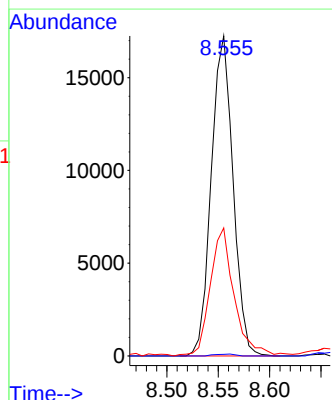
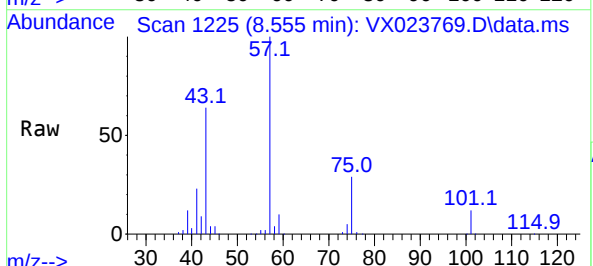
Instrument :
MSVOA_X
ClientSampled :
27N

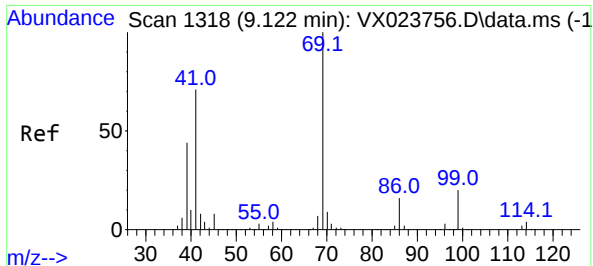
Tgt Ion: 75 Resp: 39
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#54
cis-1,3-Dichloropropene
Concen: 9.037 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 75 Resp: 25464
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 39.6 35.1 52.7

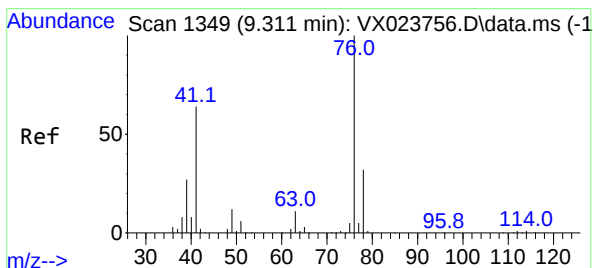
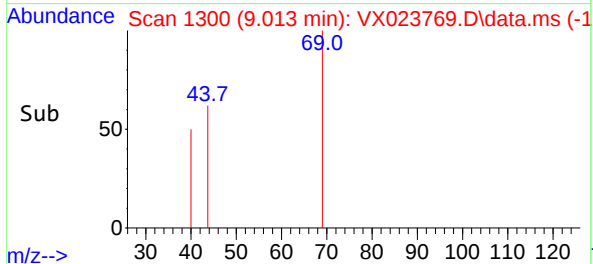
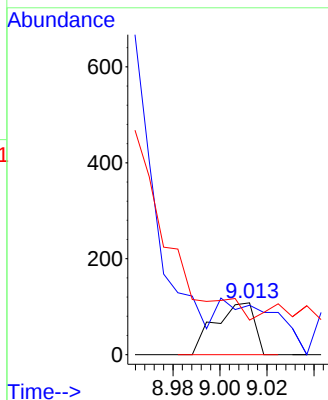
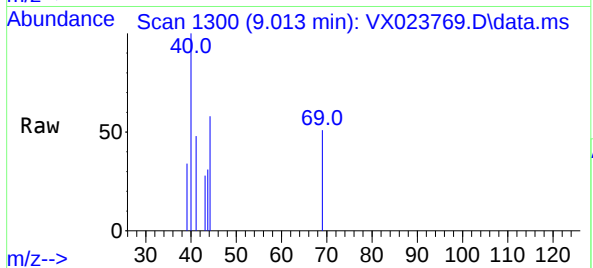




#56
Ethyl methacrylate
Concen: 0.799 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.109 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

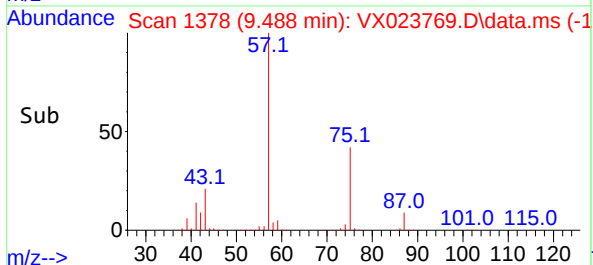
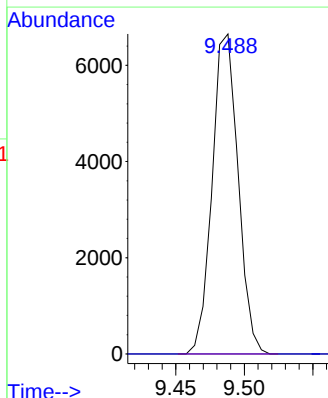
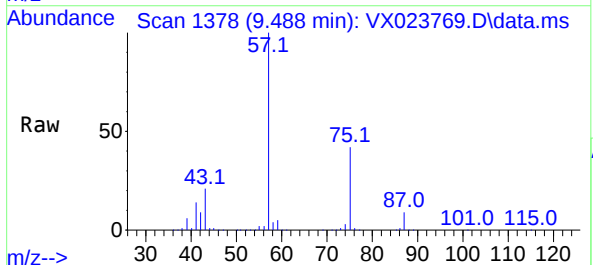
Instrument :
MSVOA_X
ClientSampled :
27N

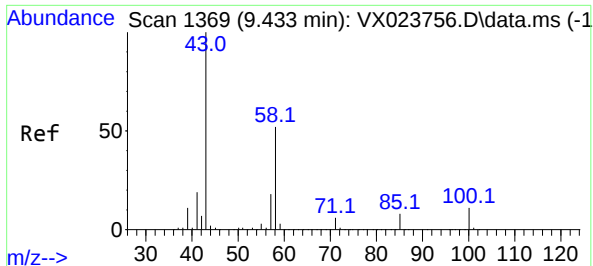
Tgt Ion:	69	Resp:	126
Ion	Ratio	Lower	Upper
69	100		
41	0.0	46.8	70.2#
39	0.0	24.7	37.1#



#57
1,3-Dichloropropane
Concen: 2.848 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion:	76	Resp:	8767
Ion	Ratio	Lower	Upper
76	100		
78	0.0	26.2	39.2#

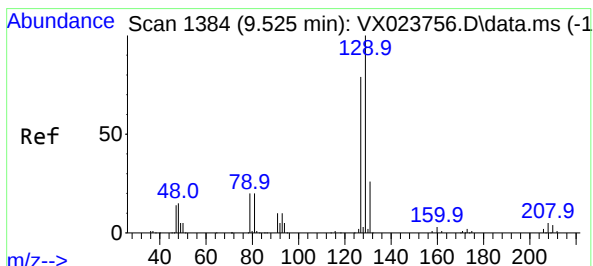
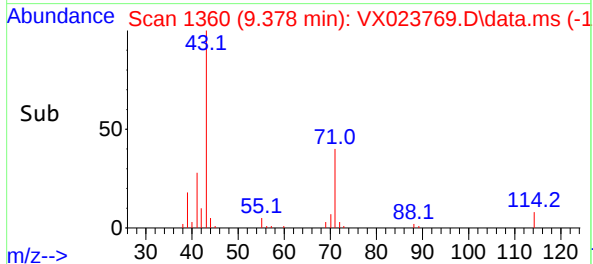
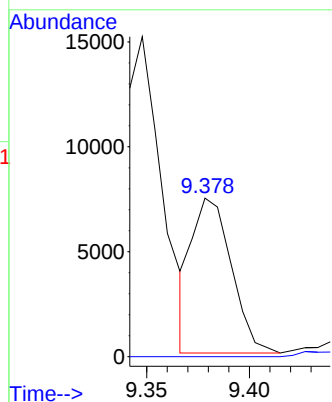
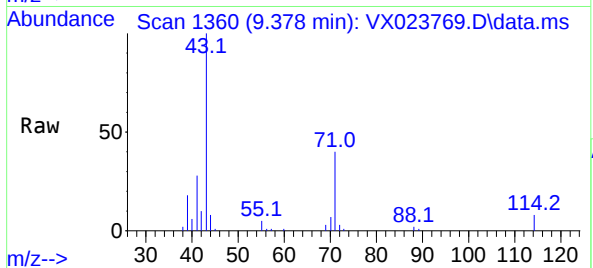




#59
2-Hexanone
Concen: 4.390 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.055 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

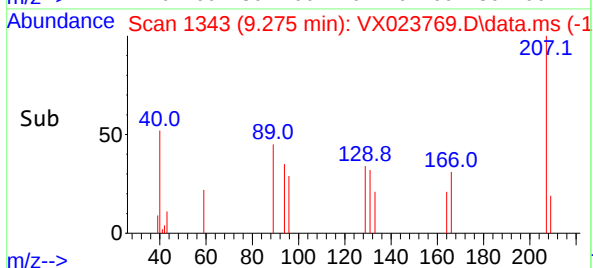
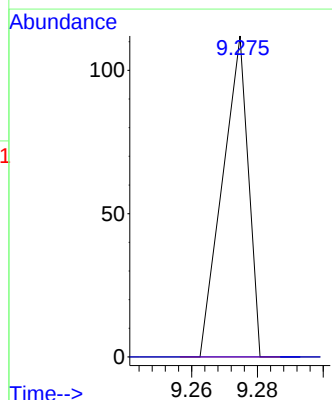
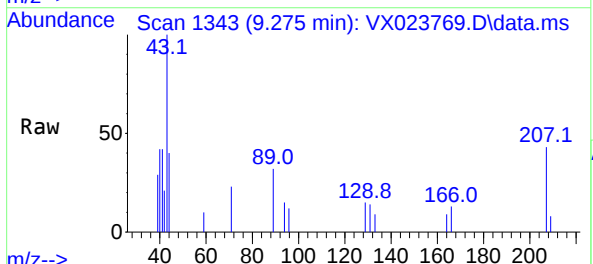
Instrument :
MSVOA_X
ClientSampled :
27N

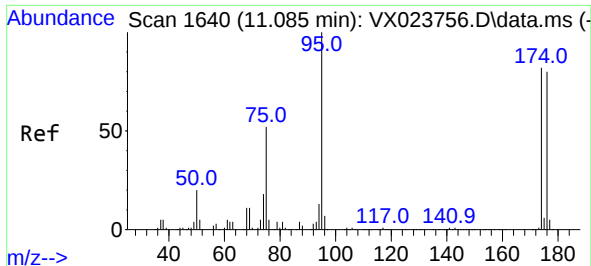
Tgt Ion: 43 Resp: 9866
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#60
Dibromochloromethane
Concen: 1.717 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 129 Resp: 61
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

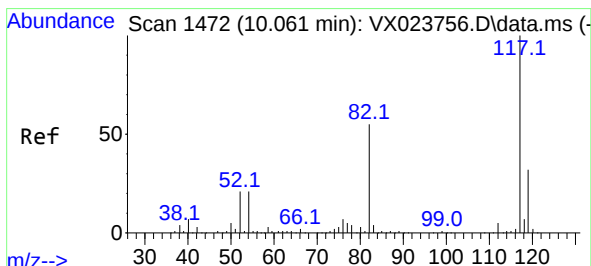
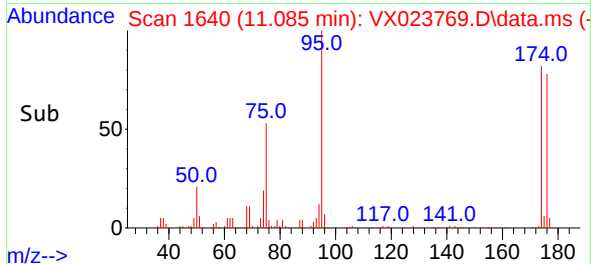
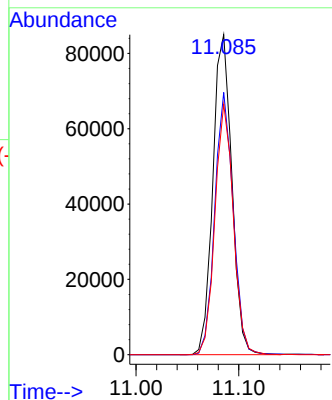
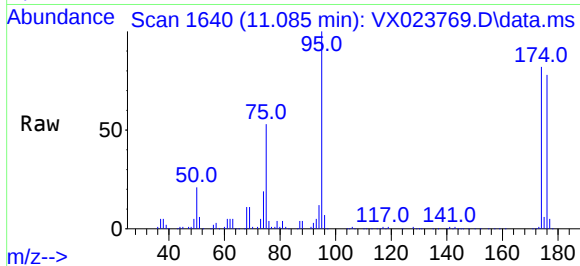




#62
4-Bromofluorobenzene
Concen: 46.290 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

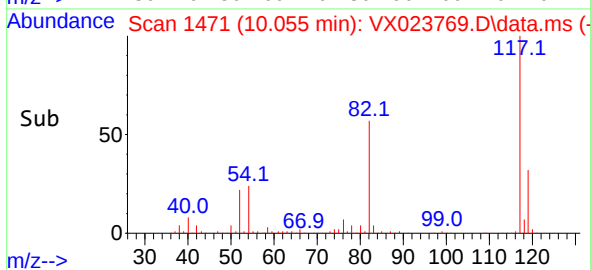
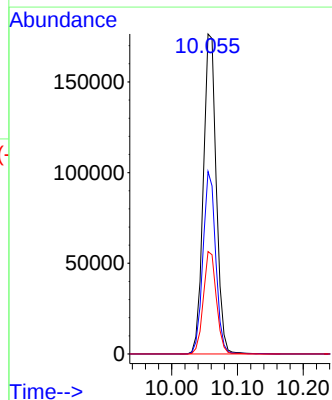
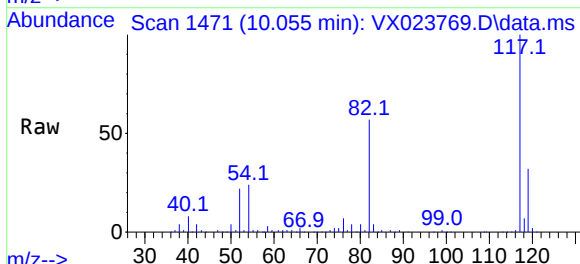
Instrument :
MSVOA_X
ClientSampled :
27N

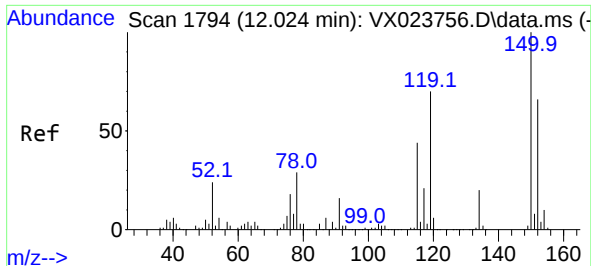
Tgt Ion: 95 Resp: 109046
Ion Ratio Lower Upper
95 100
174 79.5 0.0 154.6
176 75.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 117 Resp: 241831
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 32.0 26.6 39.8

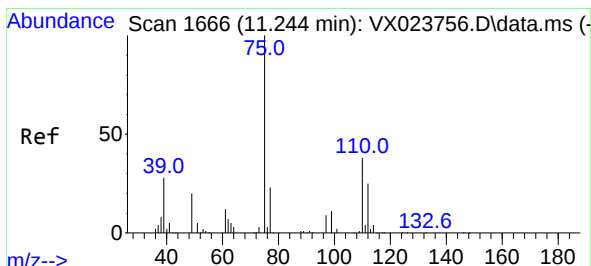
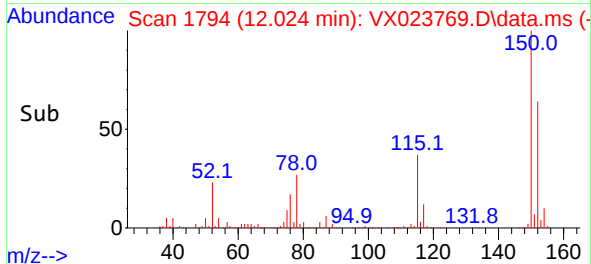
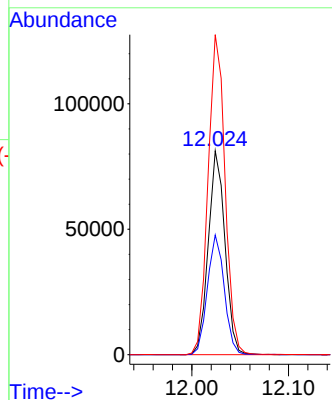
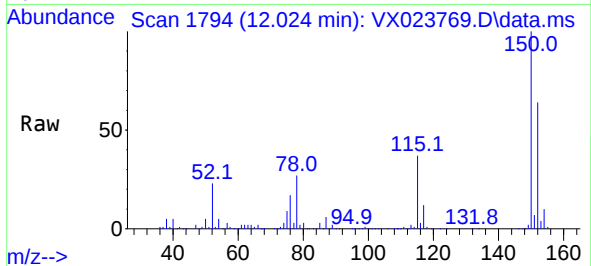




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

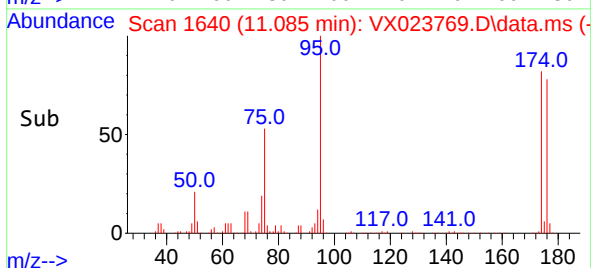
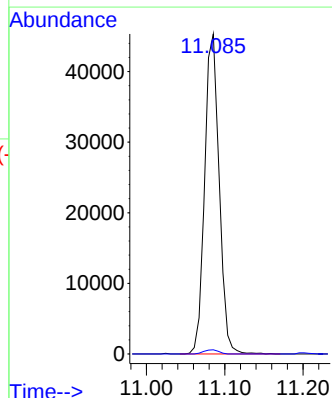
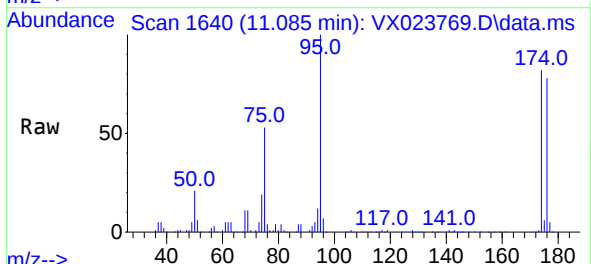
Instrument :
MSVOA_X
ClientSampled :
27N

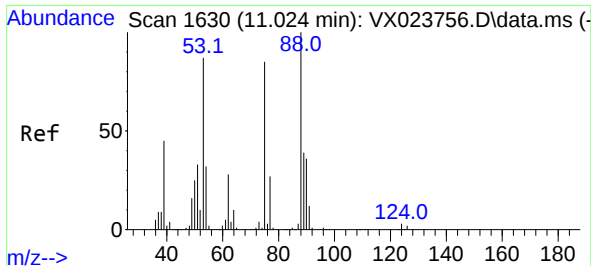
Tgt Ion:152 Resp: 97925
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 159.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 25.479 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Tgt Ion: 75 Resp: 58202
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

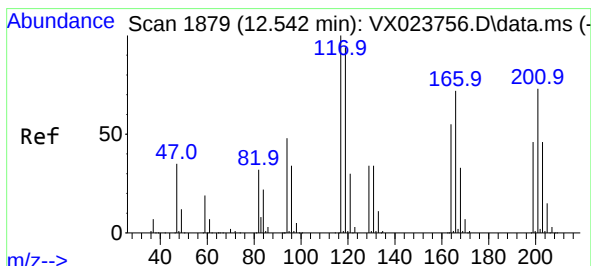
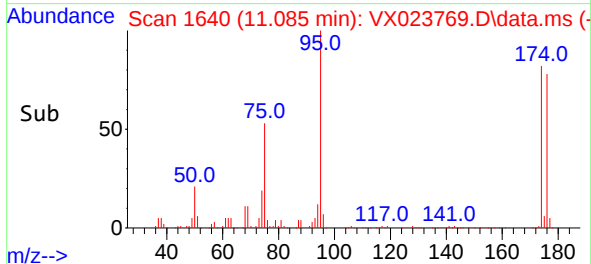
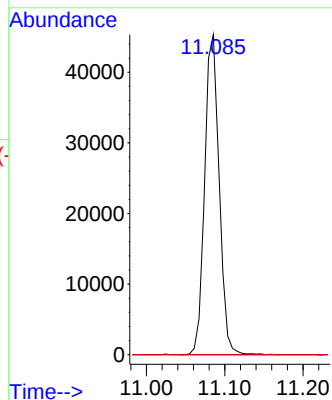
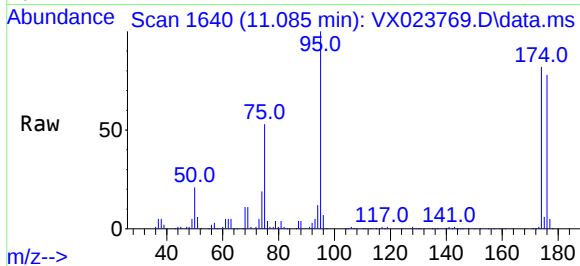




#81
trans-1,4-Dichloro-2-butene
Concen: 74.947 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

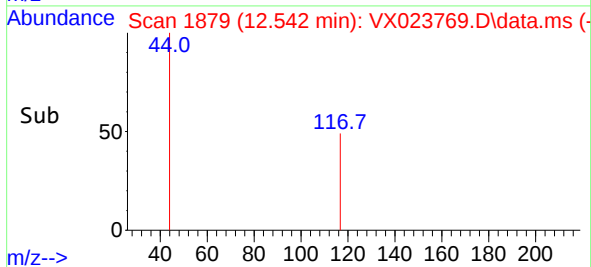
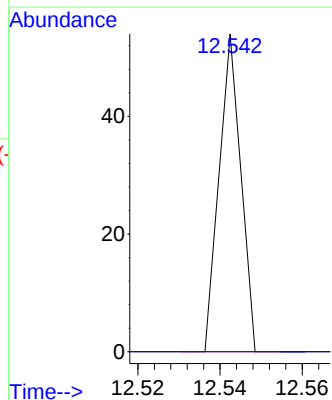
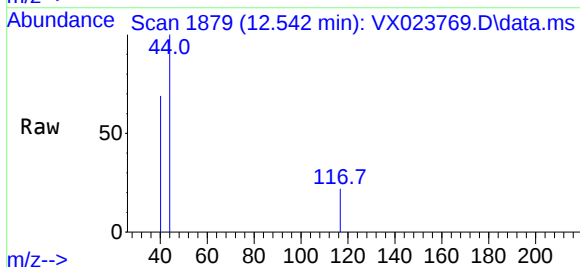
Instrument :
MSVOA_X
ClientSampled :
27N

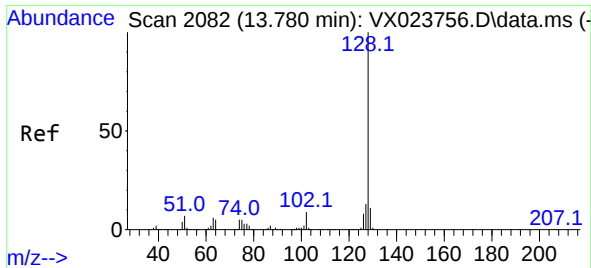
Tgt Ion: 75 Resp: 58202
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#90
Hexachloroethane
Concen: 1.484 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

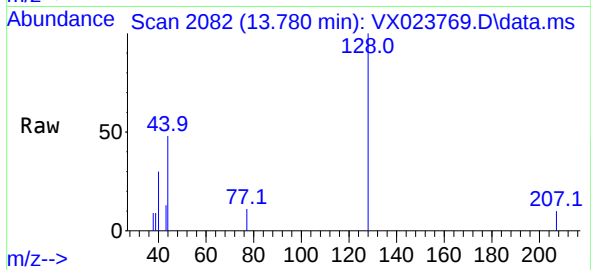
Tgt Ion: 117 Resp: 20
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
Naphthalene
Concen: 1.379 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023769.D
Acq: 17 Aug 2021 17:40

Instrument :
MSVOA_X
ClientSampleId :
27N



Tgt Ion:128 Resp: 707
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

