

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091721\
 Data File : VX024310.D
 Acq On : 17 Sep 2021 15:34
 Operator : JC/MD
 Sample : M3791-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SW-CB-04-(1.5)

Quant Time: Sep 17 16:06:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

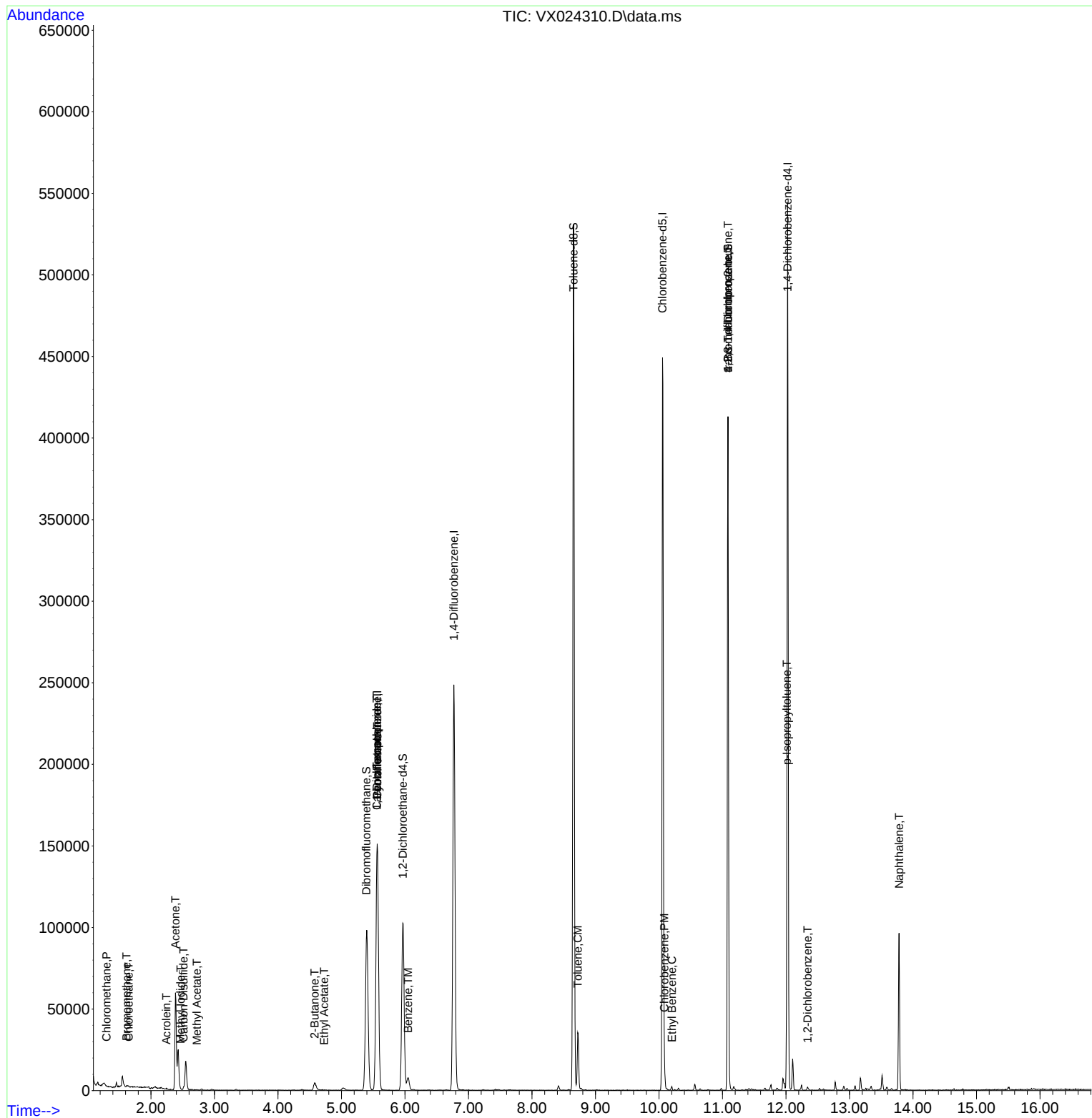
Internal Standards						
1) Pentafluorobenzene	5.562	168	141050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	247261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	105917	52.660	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.320%			
35) Dibromofluoromethane	5.391	113	83941	50.621	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	8.653	98	306374	50.717	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.440%			
62) 4-Bromofluorobenzene	11.085	95	102024	43.398	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.800%			
Target Compounds						Qvalue
3) Chloromethane	1.301	50	346	0.244	ug/l #	68
5) Bromomethane	1.618	94	481	0.573	ug/l #	65
6) Chloroethane	1.648	64	212	2.179	ug/l #	43
10) Methyl Iodide	2.465	142	584	0.304	ug/l #	84
11) Tert butyl alcohol	2.971	59	406	Below Cal	#	73
13) Acrolein	2.239	56	71	0.536	ug/l #	50
16) Acetone	2.386	43	62738	73.154	ug/l #	88
17) Carbon Disulfide	2.514	76	2293	0.704	ug/l	95
18) Methyl Acetate	2.721	43	595	0.221	ug/l #	47
25) 2-Butanone	4.574	43	7801	6.176	ug/l	92
31) Cyclohexane	5.562	56	2854	1.213	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	11382	5.007	ug/l #	49
37) Ethyl Acetate	4.727	43	598	0.226	ug/l #	64
38) Carbon Tetrachloride	5.556	117	15258	5.963	ug/l #	16
40) Benzene	6.050	78	9289	1.425	ug/l	94
52) Toluene	8.720	92	12820	3.000	ug/l	99
65) Chlorobenzene	10.086	112	5861	1.430	ug/l	99
67) Ethyl Benzene	10.201	91	1480	0.206	ug/l	94
76) 1,2,3-Trichloropropane	11.085	75	55644	23.145	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55644	68.071	ug/l #	12
86) p-Isopropyltoluene	12.012	119	14667	2.202	ug/l	96
91) 1,2-Dichlorobenzene	12.341	146	698	0.203	ug/l	86
95) Naphthalene	13.780	128	57017	8.721	ug/l	99

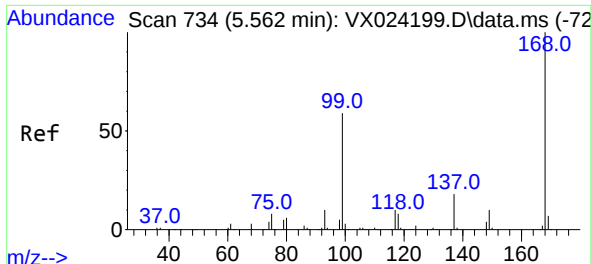
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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SW-CB-04-(1.5)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration

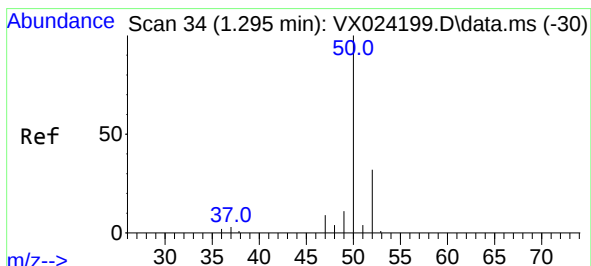
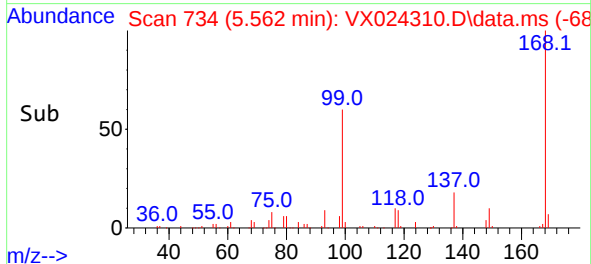
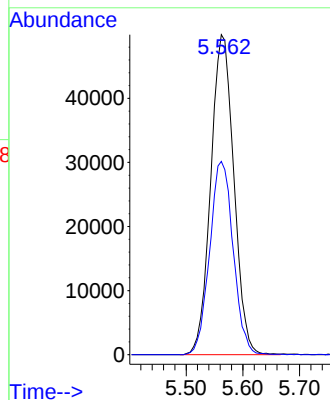
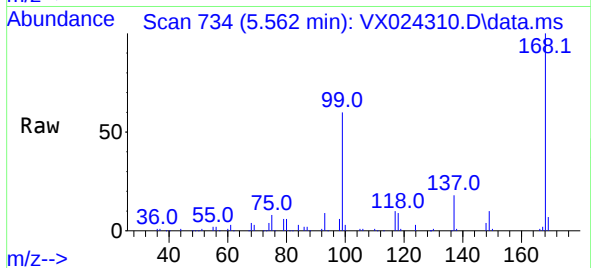




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

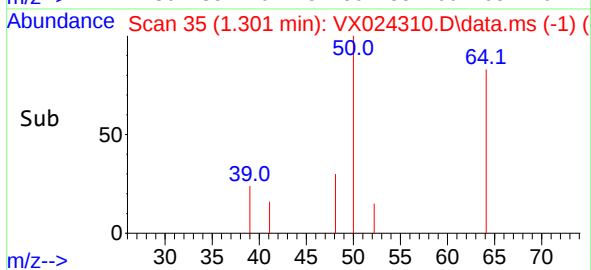
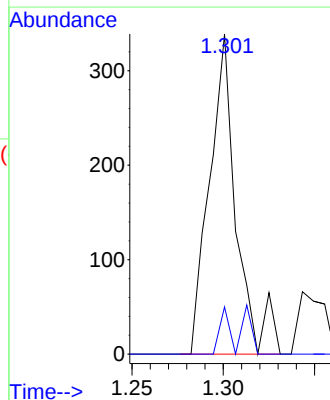
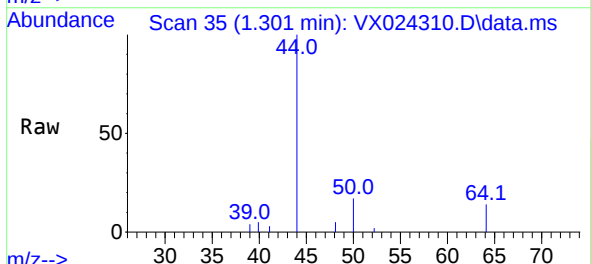
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

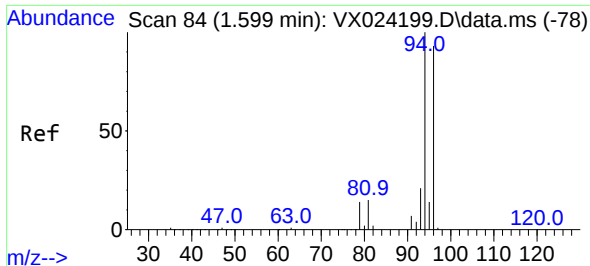
Tgt Ion:168 Resp: 141050
Ion Ratio Lower Upper
168 100
99 60.4 45.8 68.6



#3
Chloromethane
Concen: 0.244 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 50 Resp: 346
Ion Ratio Lower Upper
50 100
52 14.7 26.4 39.6#

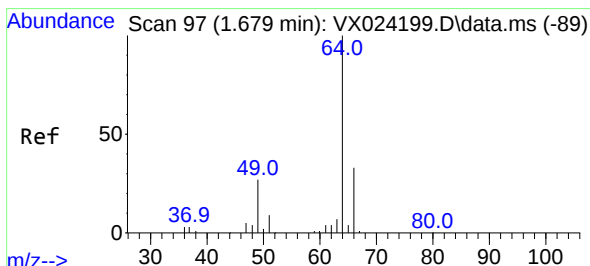
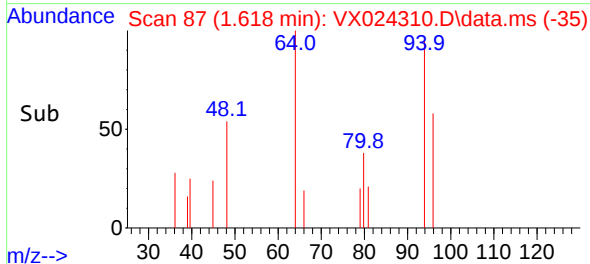
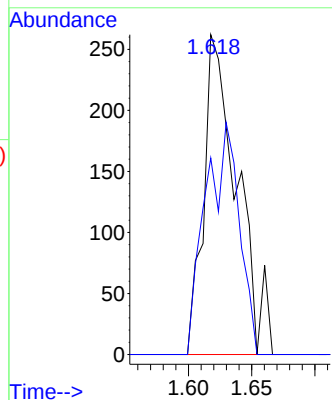
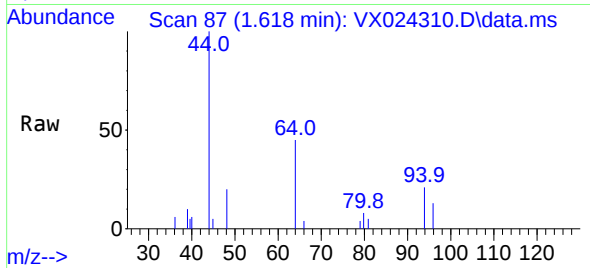




#5
Bromomethane
Concen: 0.573 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

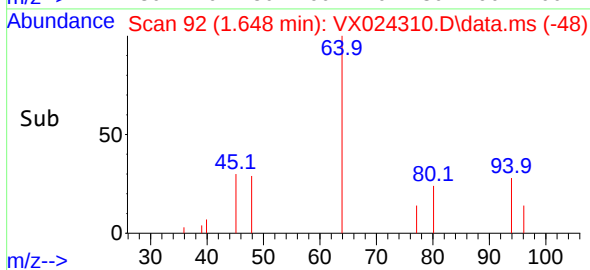
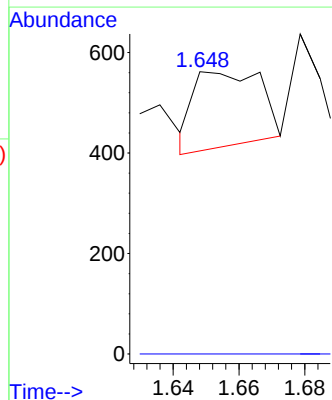
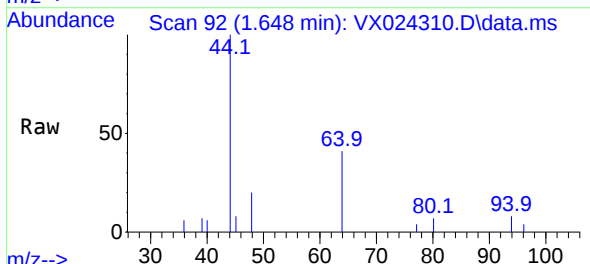
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

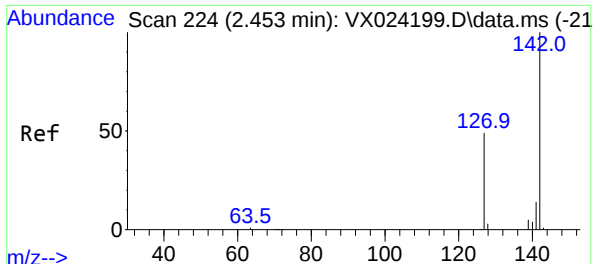
Tgt Ion: 94 Resp: 481
Ion Ratio Lower Upper
94 100
96 61.5 76.4 114.6#



#6
Chloroethane
Concen: 2.179 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 64 Resp: 212
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

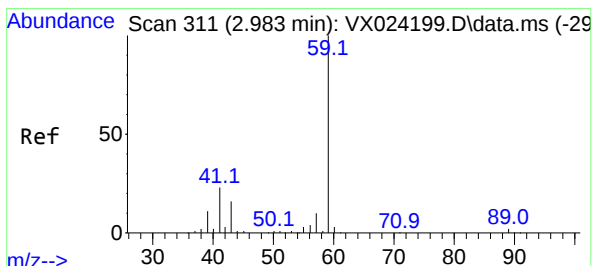
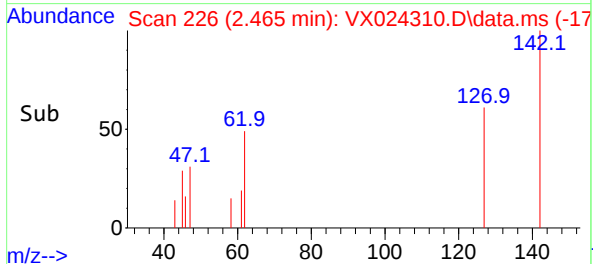
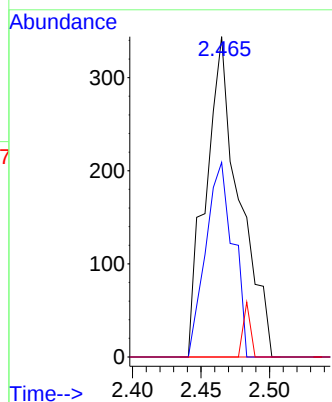
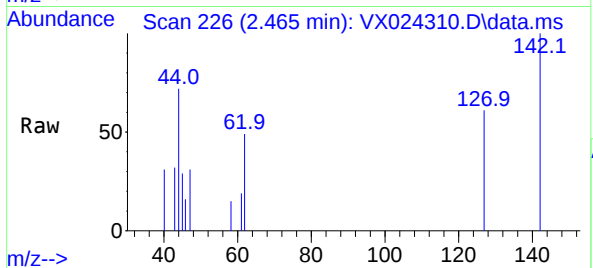




#10
Methyl Iodide
Concen: 0.304 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

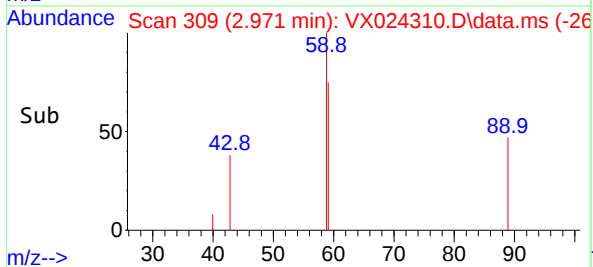
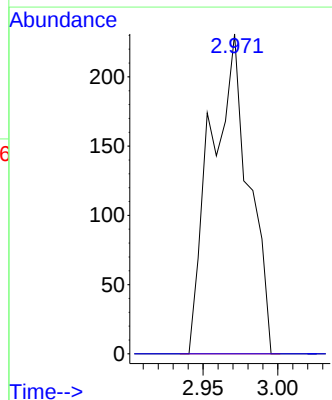
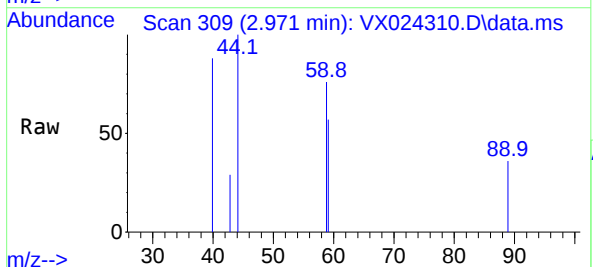
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

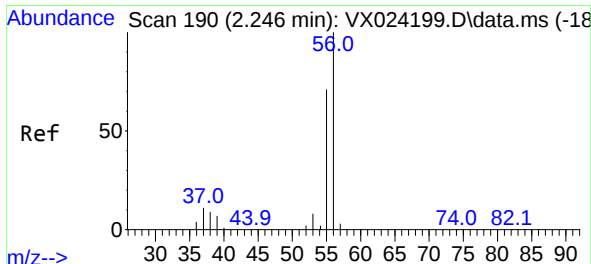
Tgt Ion:142 Resp: 584
Ion Ratio Lower Upper
142 100
127 50.0 33.3 49.9#
141 3.8 11.4 17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 59 Resp: 406
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

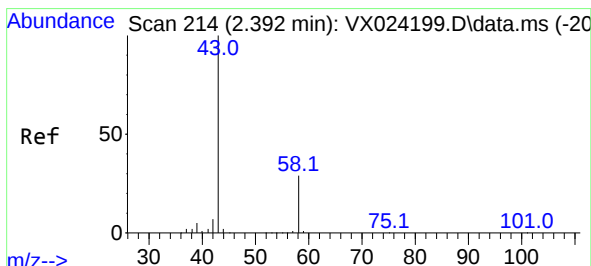
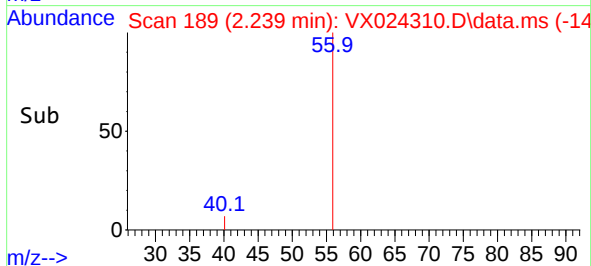
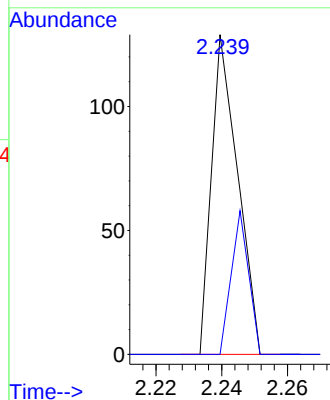
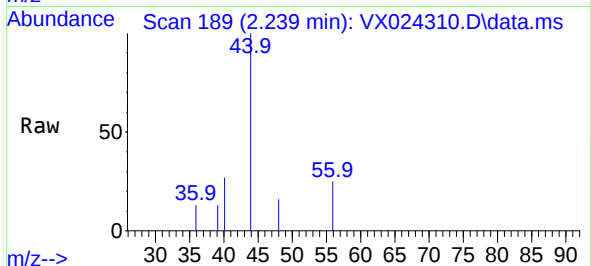




#13
Acrolein
Concen: 0.536 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.007 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

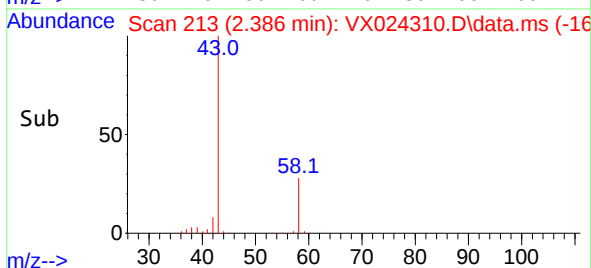
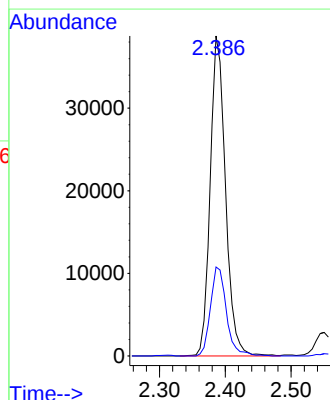
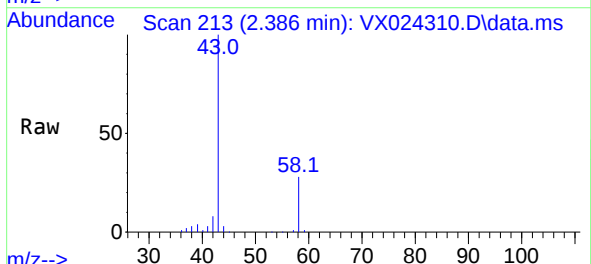
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

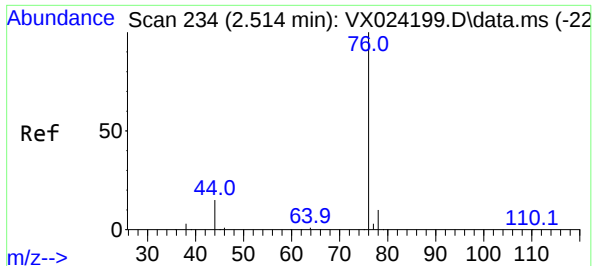
Tgt Ion: 56 Resp: 71
Ion Ratio Lower Upper
56 100
55 29.6 56.4 84.6#



#16
Acetone
Concen: 73.154 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 43 Resp: 62738
Ion Ratio Lower Upper
43 100
58 27.8 27.8 41.8#

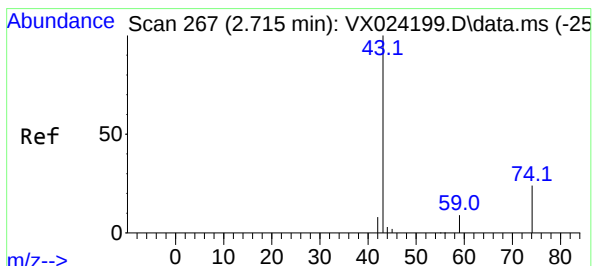
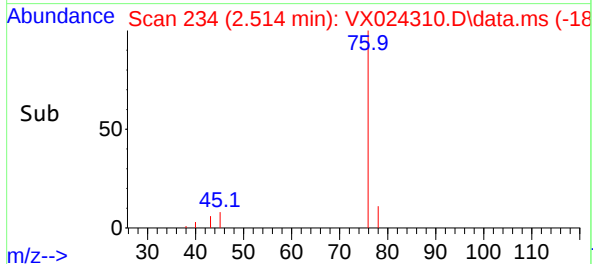
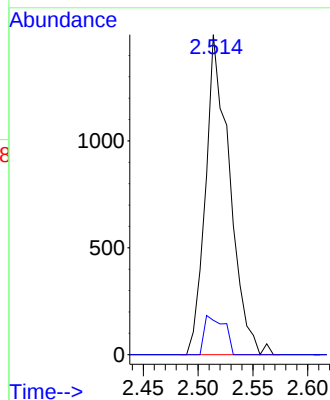
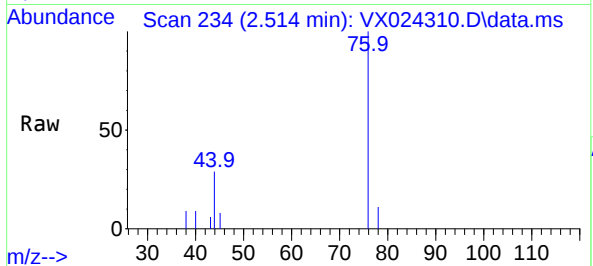




#17
Carbon Disulfide
Concen: 0.704 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

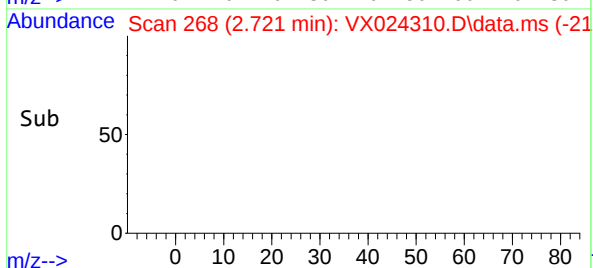
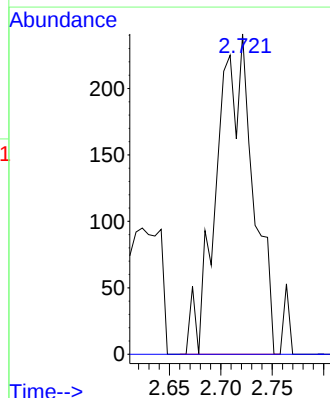
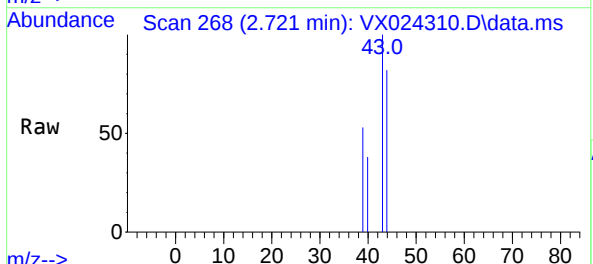
Instrument :
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ClientSampleId :
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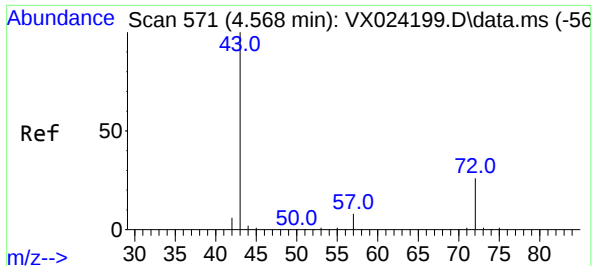
Tgt Ion: 76 Resp: 2293
Ion Ratio Lower Upper
76 100
78 10.8 7.2 10.8



#18
Methyl Acetate
Concen: 0.221 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

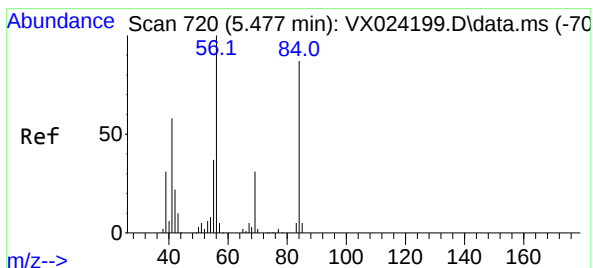
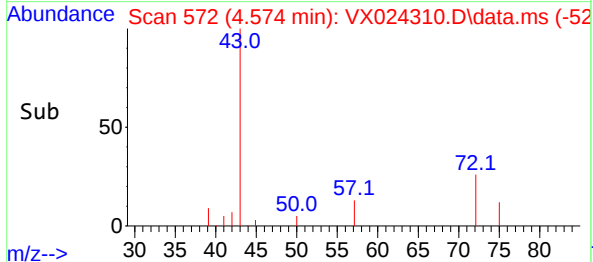
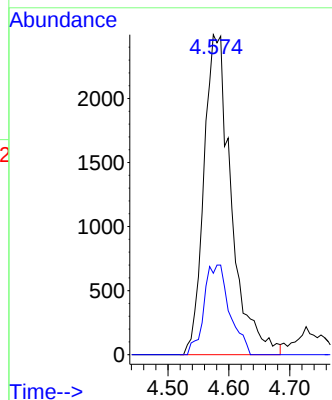
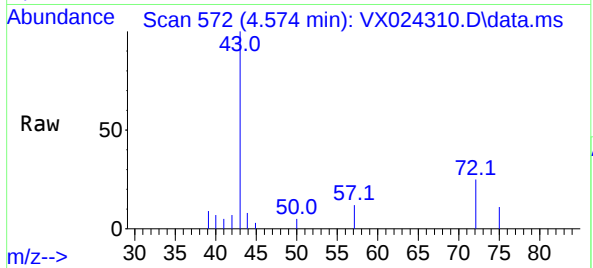




#25
2-Butanone
Concen: 6.176 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

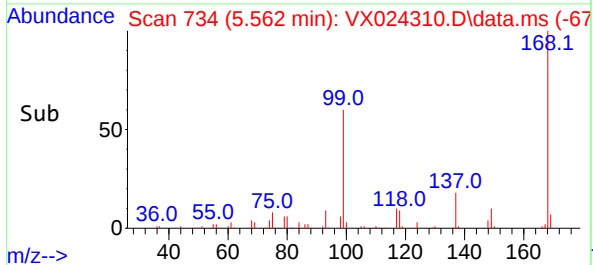
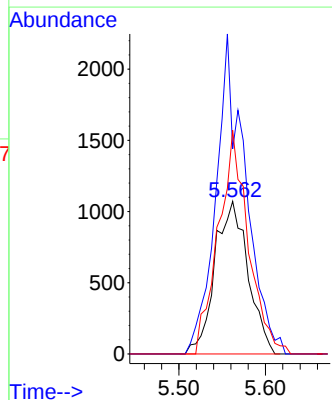
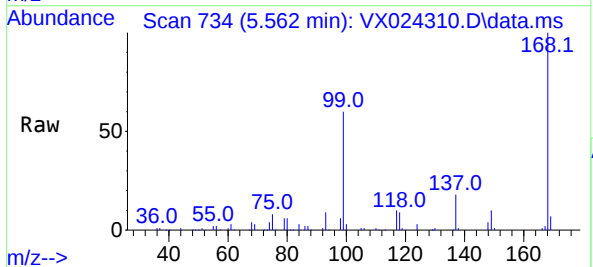
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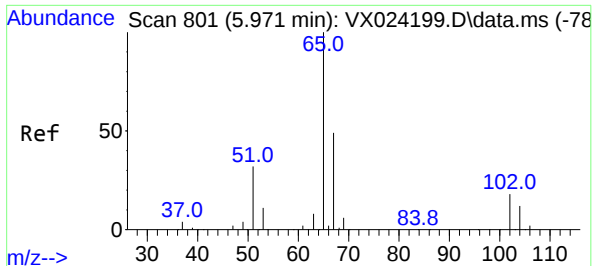
Tgt Ion: 43 Resp: 7801
Ion Ratio Lower Upper
43 100
72 25.5 23.7 35.5



#31
Cyclohexane
Concen: 1.213 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 56 Resp: 2854
Ion Ratio Lower Upper
56 100
69 134.4 25.3 37.9#
84 146.5 71.4 107.0#



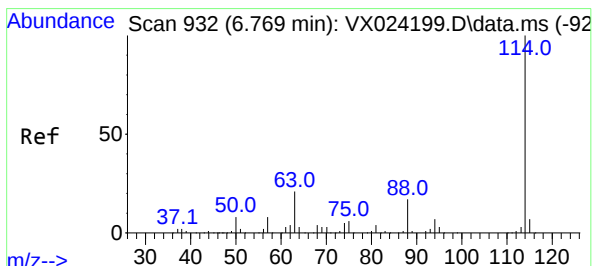
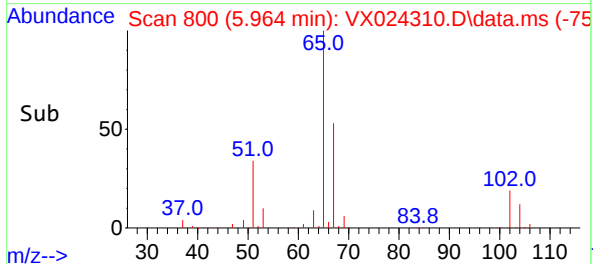
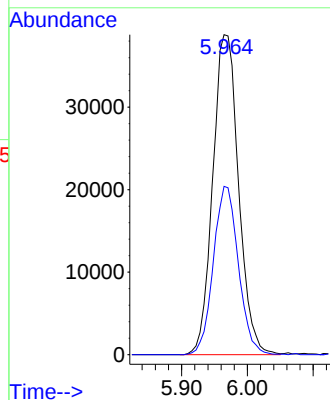
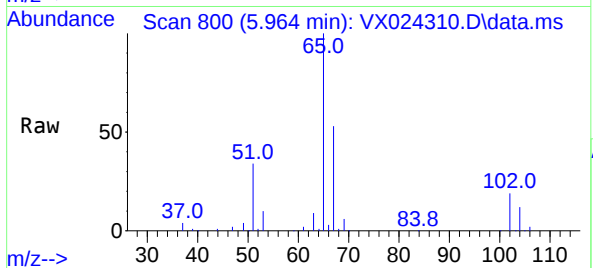


#33

1,2-Dichloroethane-d4
Concen: 52.660 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

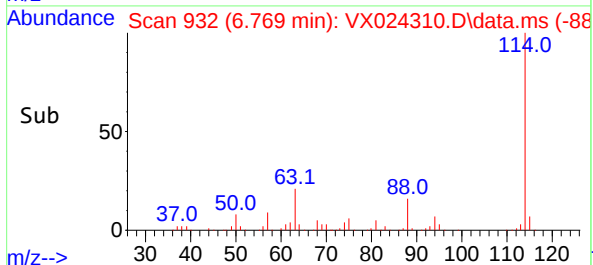
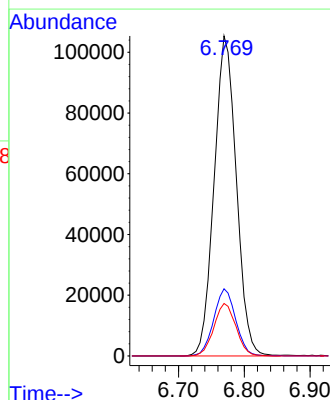
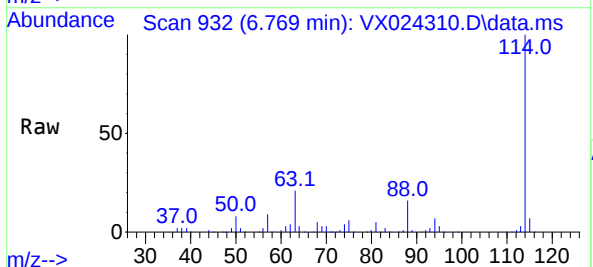
Tgt Ion: 65 Resp: 105917
Ion Ratio Lower Upper
65 100
67 51.0 0.0 105.4

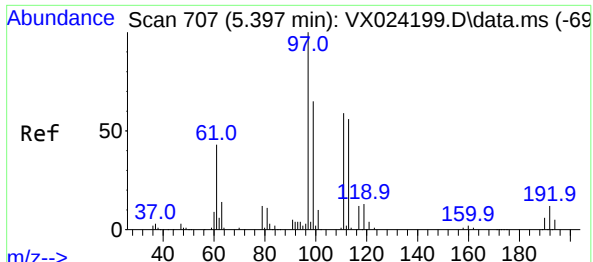


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 114 Resp: 247261
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.621 ug/l

RT: 5.391 min Scan# 706

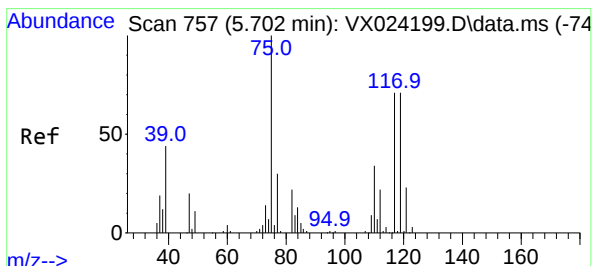
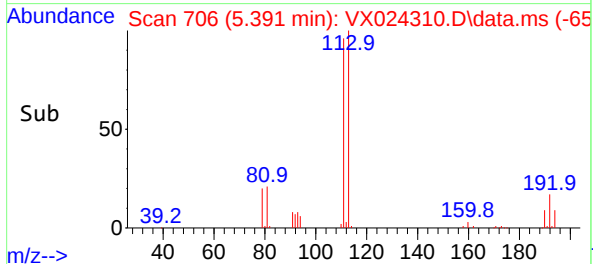
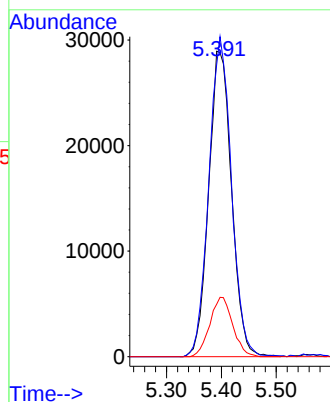
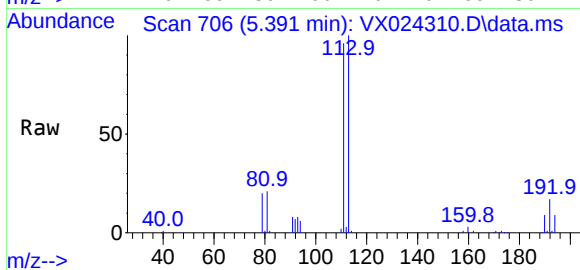
Delta R.T. -0.006 min

Lab File: VX024310.D

Acq: 17 Sep 2021 15:34

Tgt Ion:	113	Resp:	83941
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.9	122.9
192	19.4	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)



#36

1,1-Dichloropropene

Concen: 5.007 ug/l

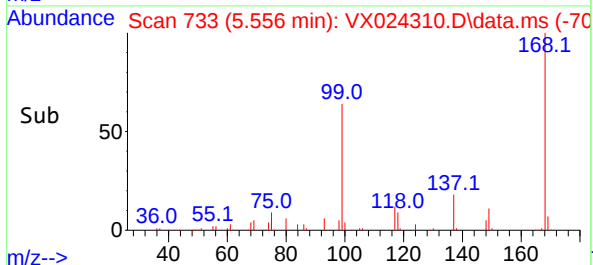
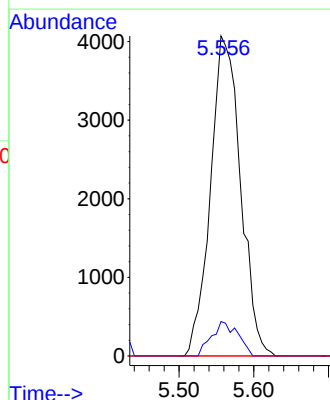
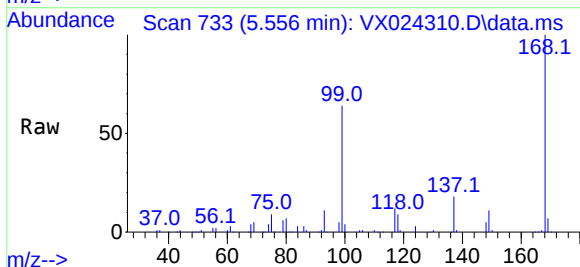
RT: 5.556 min Scan# 733

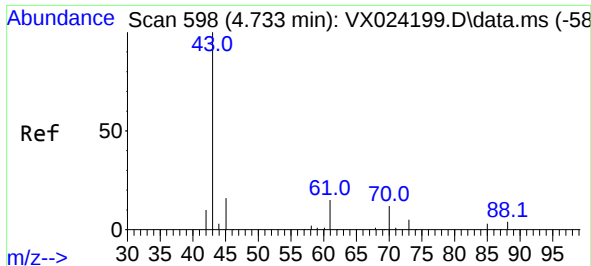
Delta R.T. -0.146 min

Lab File: VX024310.D

Acq: 17 Sep 2021 15:34

Tgt Ion:	75	Resp:	11382
Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.1	54.4#
77	0.0	25.3	37.9#

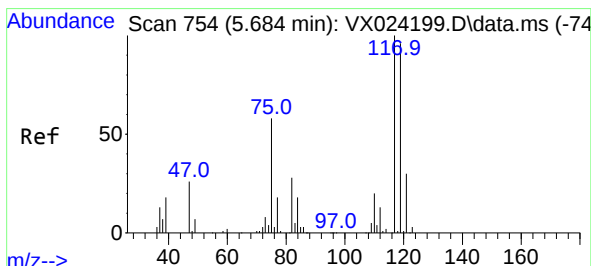
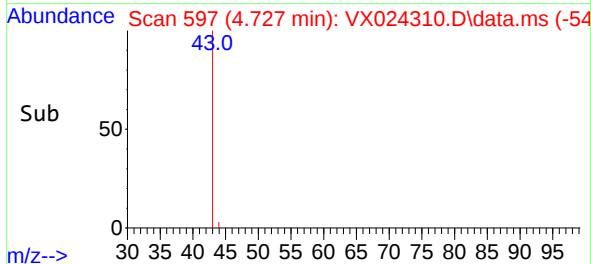
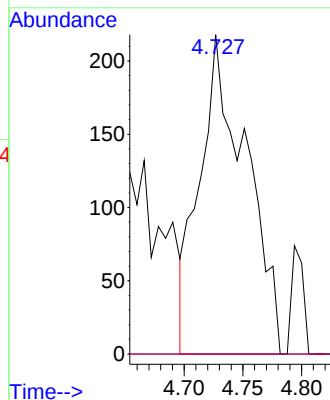
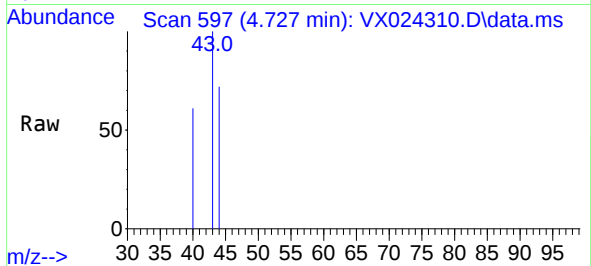




#37
Ethyl Acetate
Concen: 0.226 ug/l
RT: 4.727 min Scan# 597
Delta R.T. -0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

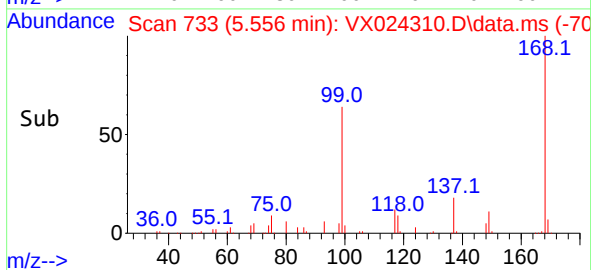
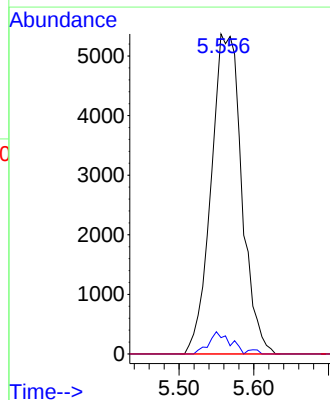
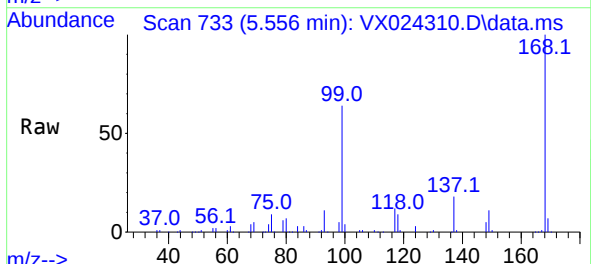
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

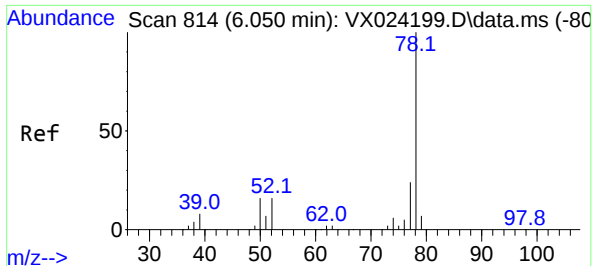
Tgt Ion:	43	Resp:	598
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38
Carbon Tetrachloride
Concen: 5.963 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion:	117	Resp:	15258
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	24.8	37.2#

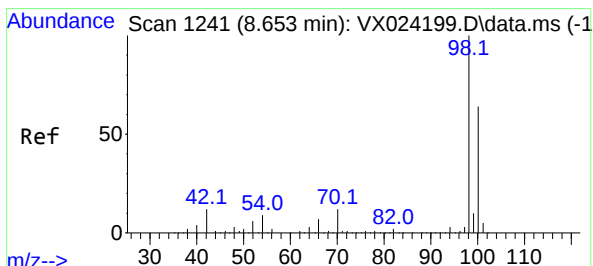
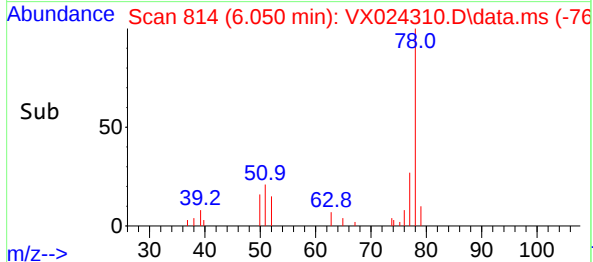
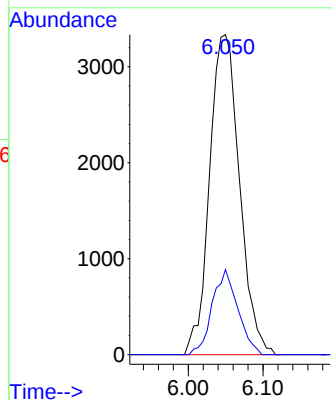
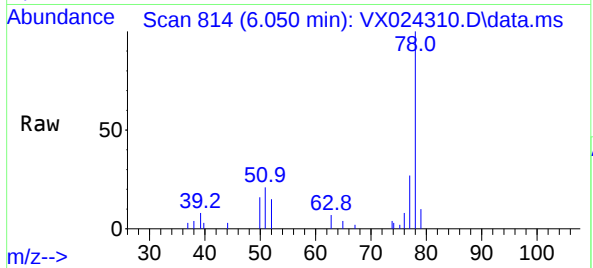




#40
Benzene
Concen: 1.425 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

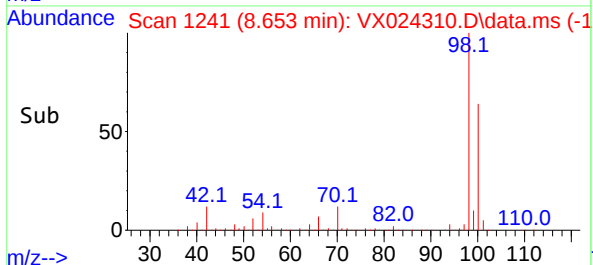
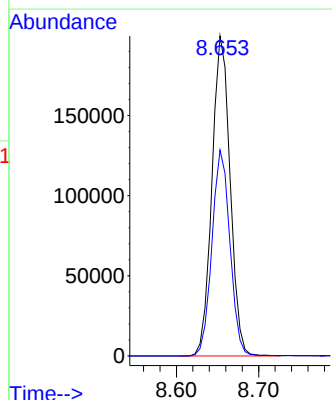
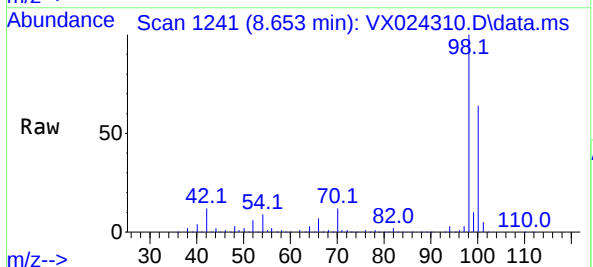
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

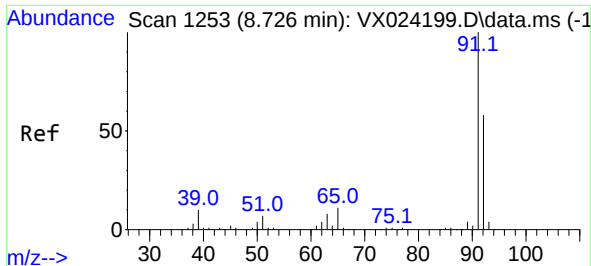
Tgt Ion: 78 Resp: 9289
Ion Ratio Lower Upper
78 100
77 26.6 18.9 28.3



#50
Toluene-d8
Concen: 50.717 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 98 Resp: 306374
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

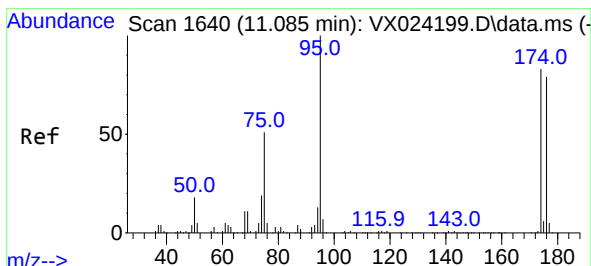
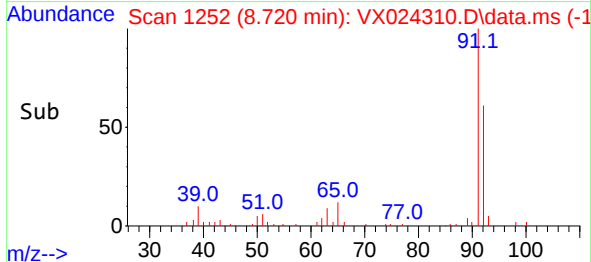
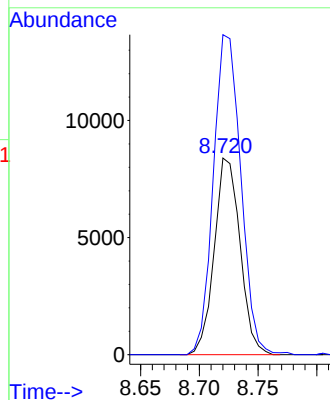
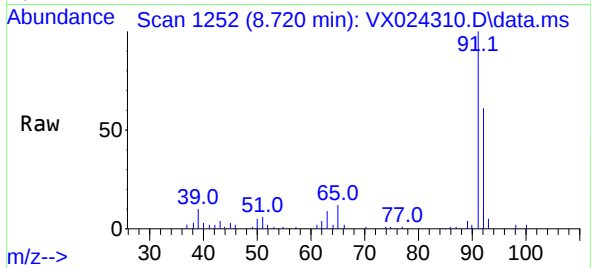




#52
Toluene
Concen: 3.000 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

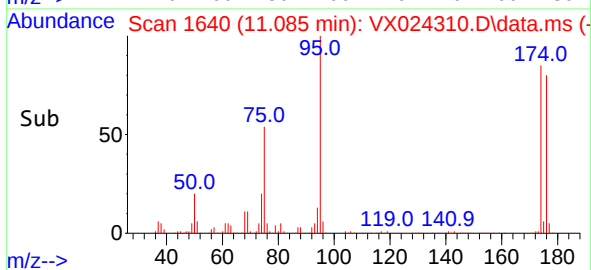
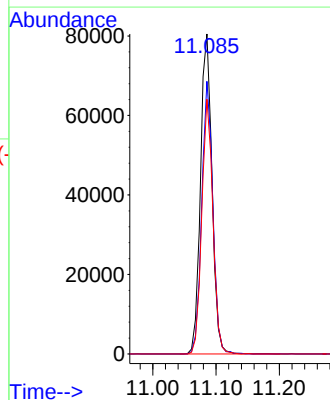
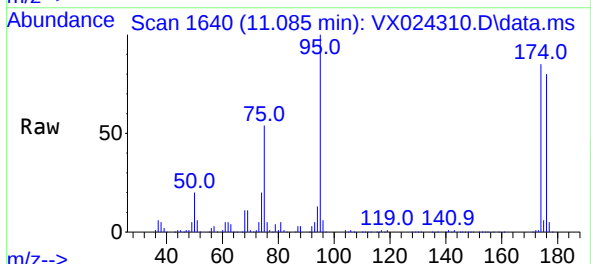
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

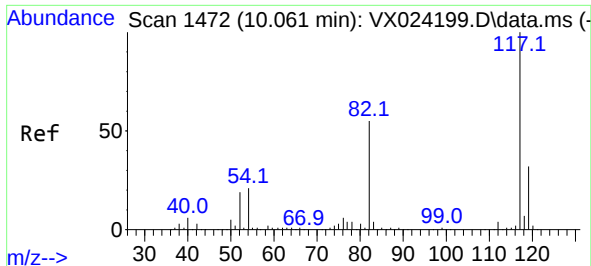
Tgt Ion: 92 Resp: 12820
Ion Ratio Lower Upper
92 100
91 173.4 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 43.398 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 95 Resp: 102024
Ion Ratio Lower Upper
95 100
174 82.2 0.0 154.6
176 76.8 0.0 155.8

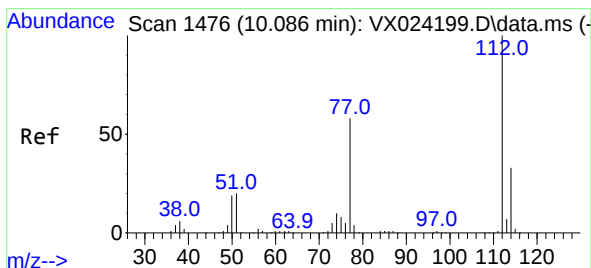
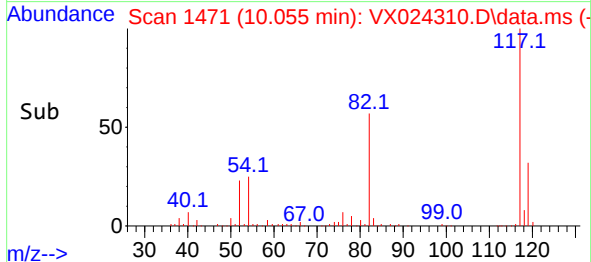
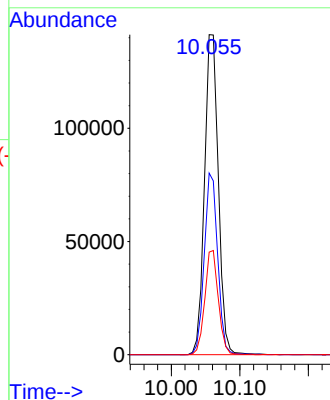
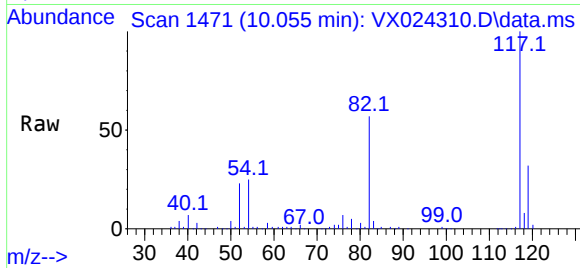




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

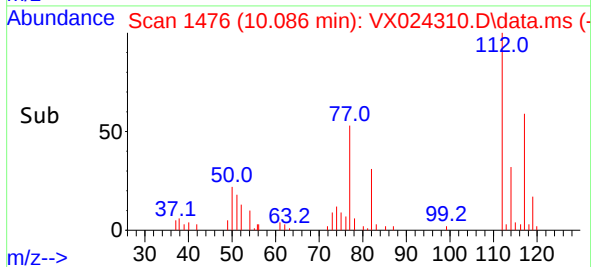
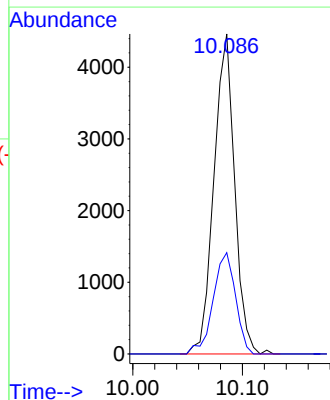
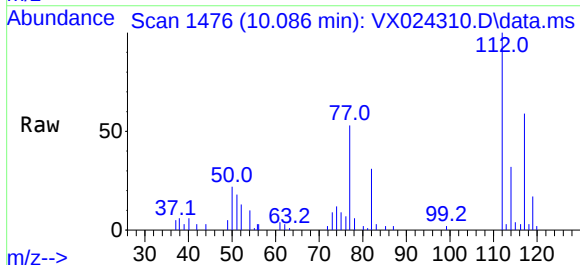
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

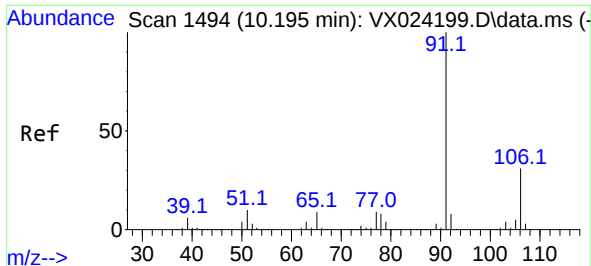
Tgt Ion:117 Resp: 199190
Ion Ratio Lower Upper
117 100
82 56.8 47.4 71.2
119 32.0 26.6 39.8



#65
Chlorobenzene
Concen: 1.430 ug/l
RT: 10.086 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion:112 Resp: 5861
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

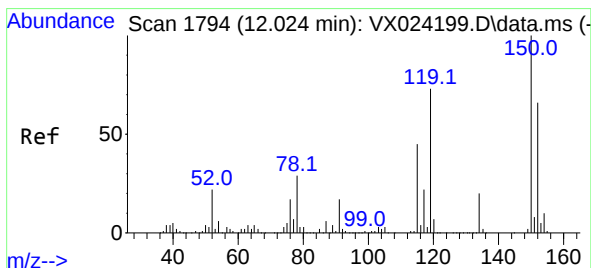
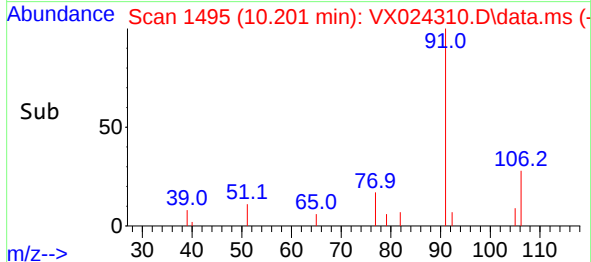
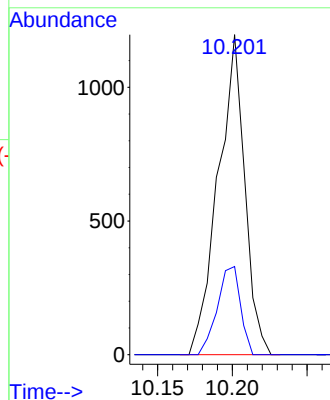
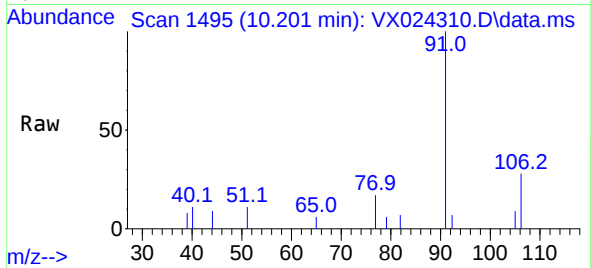




#67
Ethyl Benzene
Concen: 0.206 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

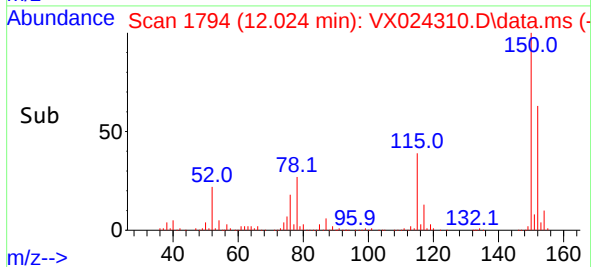
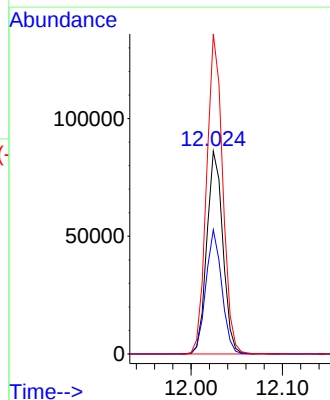
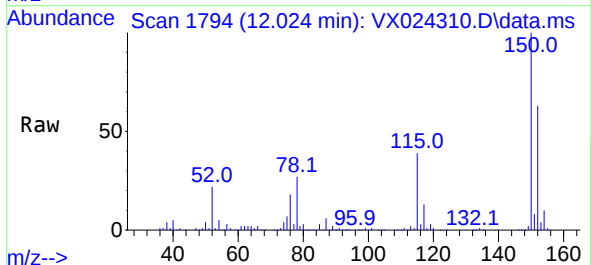
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

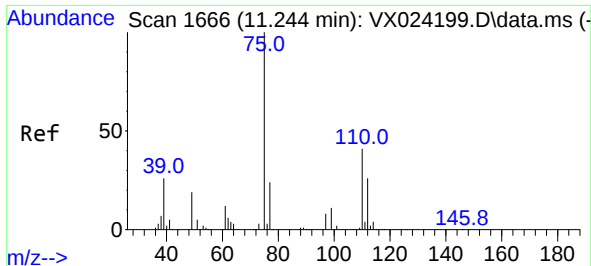
Tgt Ion: 91 Resp: 1480
Ion Ratio Lower Upper
91 100
106 27.6 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion:152 Resp: 104553
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 158.1 0.0 349.0

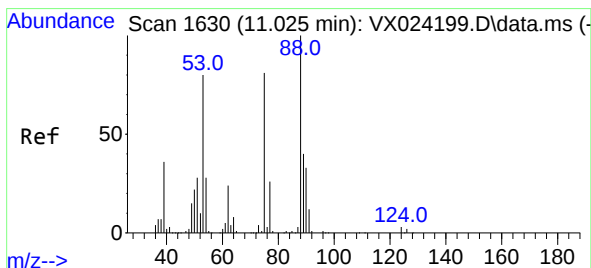
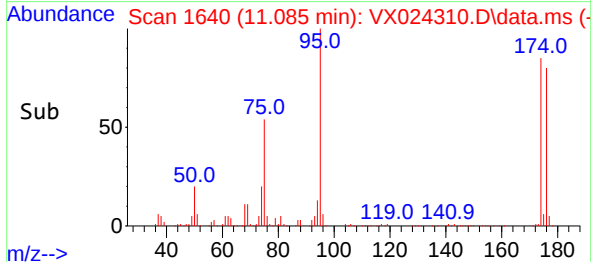
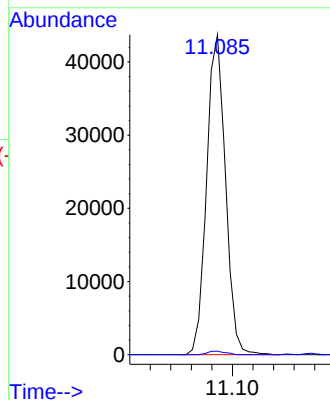
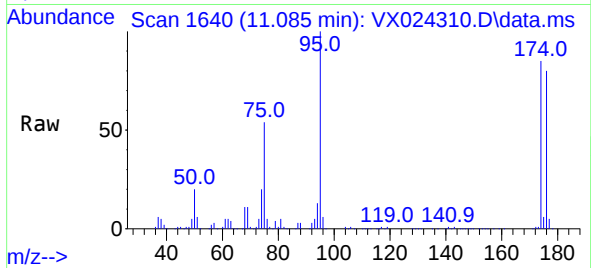




#76
1,2,3-Trichloropropane
Concen: 23.145 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

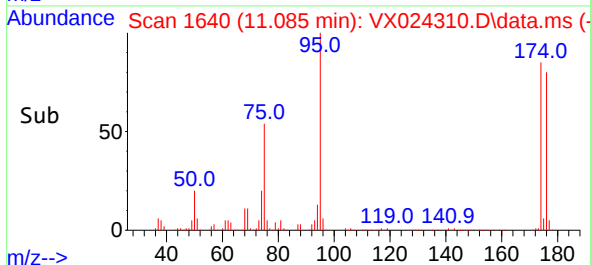
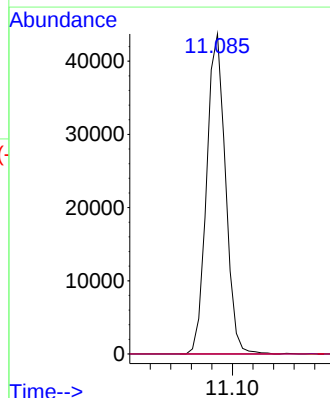
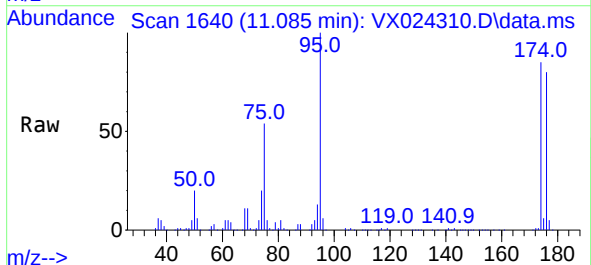
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

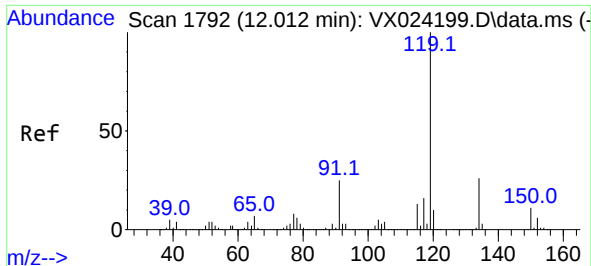
Tgt Ion: 75 Resp: 55644
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.071 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Tgt Ion: 75 Resp: 55644
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

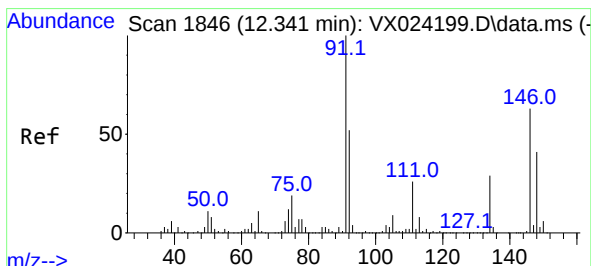
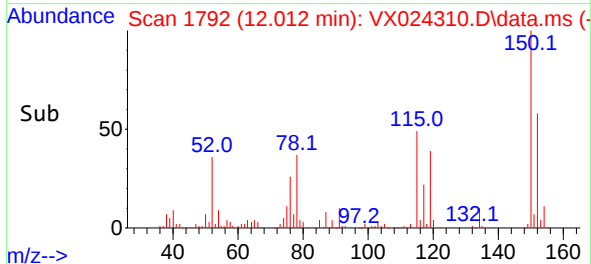
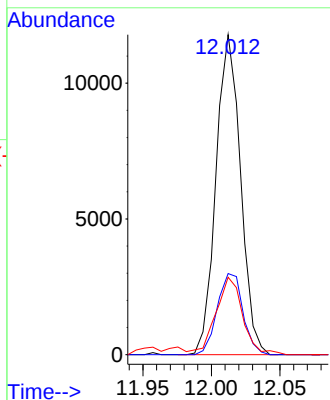
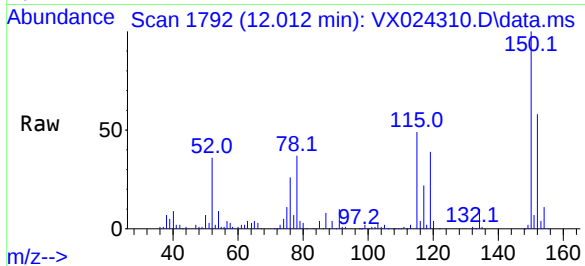




#86
p-Isopropyltoluene
Concen: 2.202 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

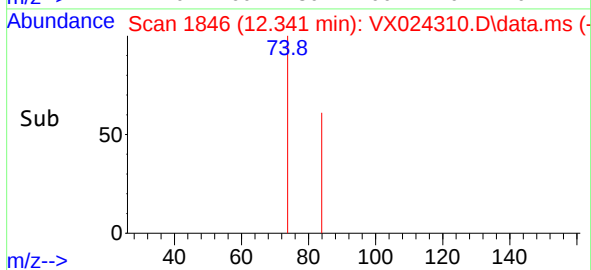
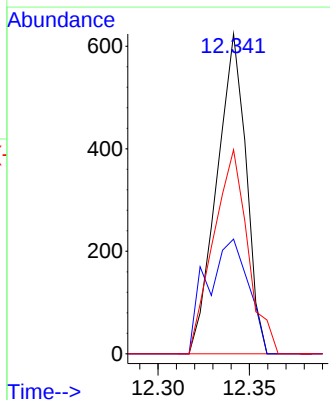
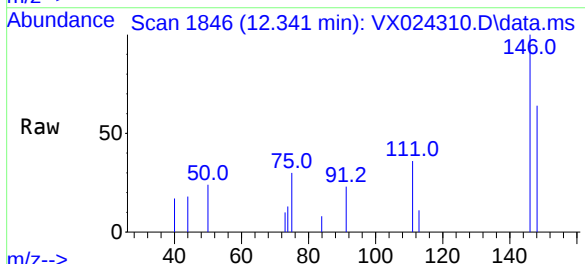
Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)

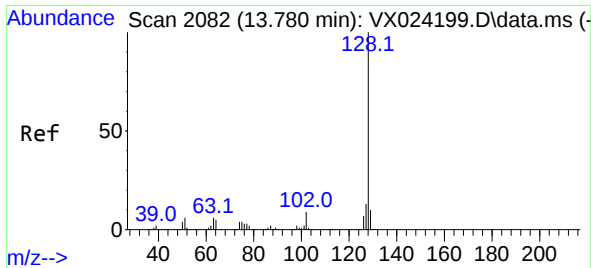
Tgt Ion:	119	Resp:	14667
Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	26.4	11.7	35.0



#91
1,2-Dichlorobenzene
Concen: 0.203 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

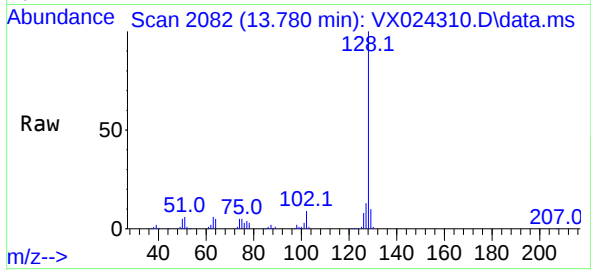
Tgt Ion:	146	Resp:	698
Ion	Ratio	Lower	Upper
146	100		
111	50.4	20.8	62.2
148	74.5	31.9	95.5





#95
Naphthalene
Concen: 8.721 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024310.D
Acq: 17 Sep 2021 15:34

Instrument :
MSVOA_X
ClientSampleId :
SW-CB-04-(1.5)



Tgt Ion:	128	Resp:	57017
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.6	8.8	13.2

