

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060921\
 Data File : VX022609.D
 Acq On : 09 Jun 2021 13:26
 Operator : JC/MD
 Sample : M2644-08 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1824-25

Quant Time: Jun 10 05:41:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 07 14:27:50 2021
 Response via : Initial Calibration

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

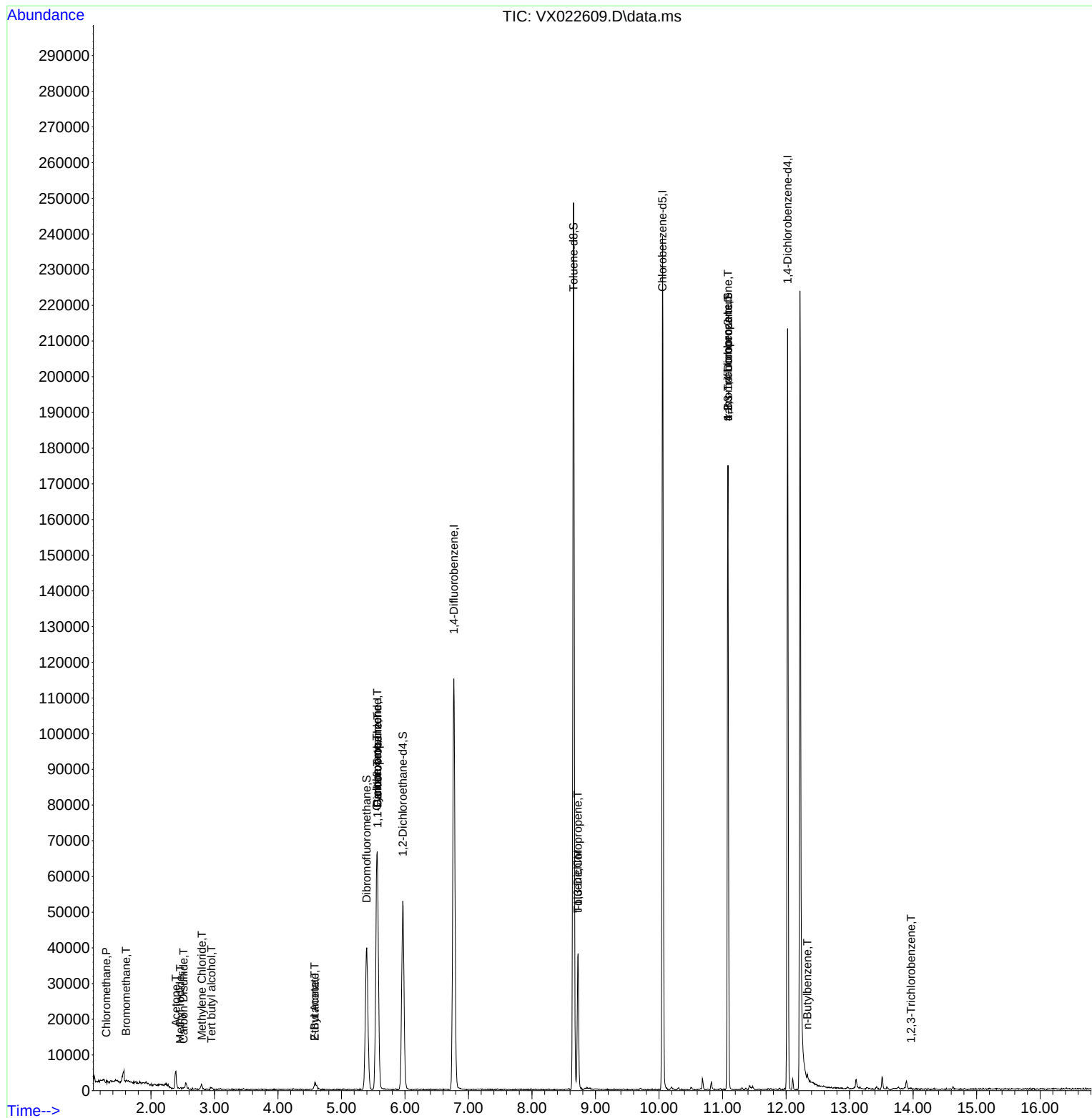
Internal Standards						
1) Pentafluorobenzene	5.562	168	56248	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	113301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	99549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	37375	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	47896	47.90	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.80%		
35) Dibromofluoromethane	5.397	113	33660	47.48	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.96%		
50) Toluene-d8	8.653	98	140224	49.58	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.16%		
62) 4-Bromofluorobenzene	11.085	95	46233	43.98	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.96%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	192	0.24	ug/l	97
5) Bromomethane	1.605	94	147	0.36	ug/l #	2
10) Methyl Iodide	2.459	142	436	0.54	ug/l #	88
11) Tert butyl alcohol	2.952	59	378	1.69	ug/l #	73
16) Acetone	2.392	43	5345	11.90	ug/l	97
17) Carbon Disulfide	2.514	76	633	3.71	ug/l #	75
20) Methylene Chloride	2.800	84	575	0.61	ug/l #	80
25) 2-Butanone	4.574	43	311	0.42	ug/l #	45
31) Cyclohexane	5.556	56	1774	1.50	ug/l #	5
36) 1,1-Dichloropropene	5.568	75	5964	5.44	ug/l #	49
37) Ethyl Acetate	4.574	43	311	0.22	ug/l #	64
38) Carbon Tetrachloride	5.562	117	7189	8.84	ug/l #	16
52) Toluene	8.720	92	13878	6.53	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	62	3.30	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	25369	26.20	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	25369	64.56	ug/l #	12
89) n-Butylbenzene	12.335	91	545	0.22	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.969	180	160	0.22	ug/l #	81

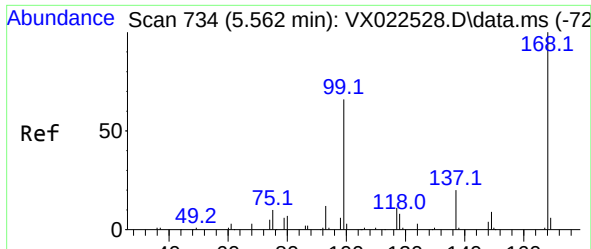
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

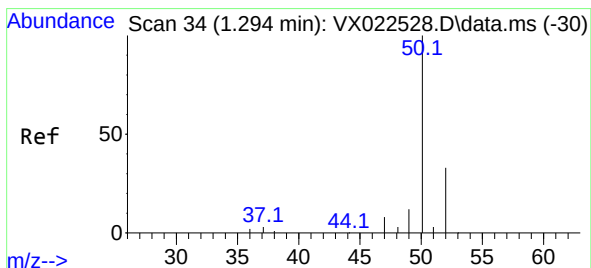
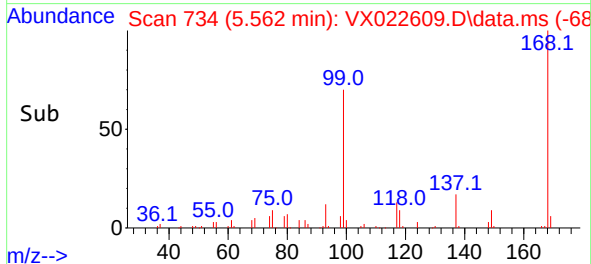
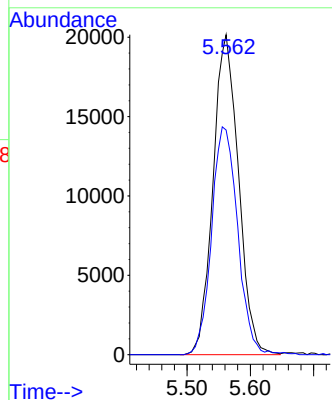
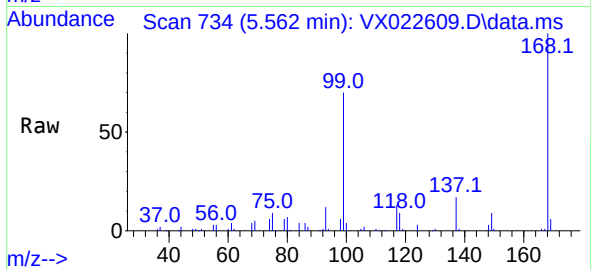




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

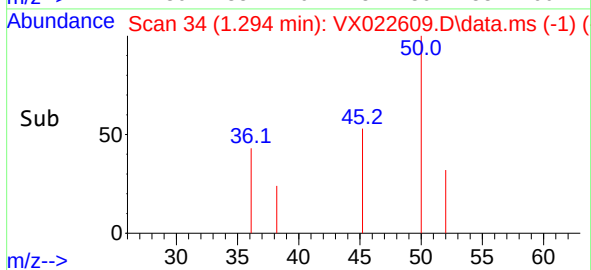
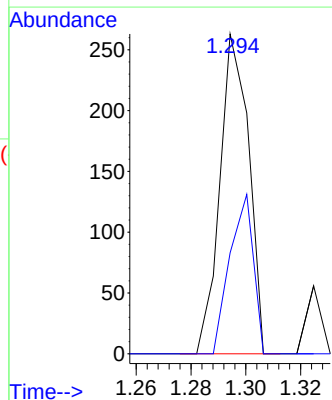
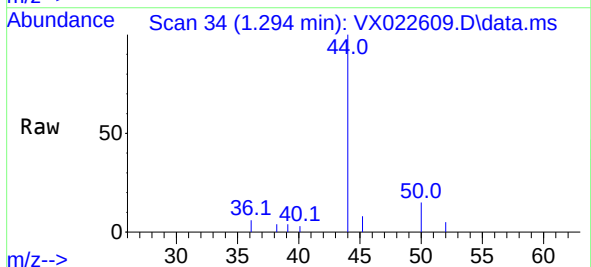
Instrument :
MSVOA_X
ClientSampleId :
1824-25

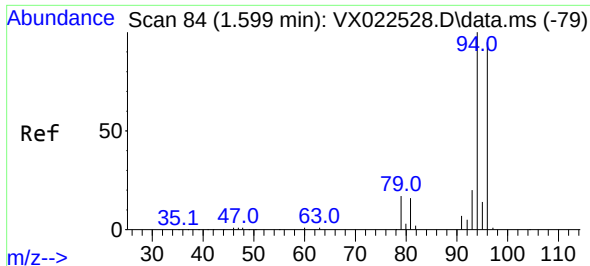
Tgt Ion:168 Resp: 56248
Ion Ratio Lower Upper
168 100
99 70.2 45.8 68.6#



#3
Chloromethane
Concen: 0.24 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 50 Resp: 192
Ion Ratio Lower Upper
50 100
52 31.6 26.4 39.6

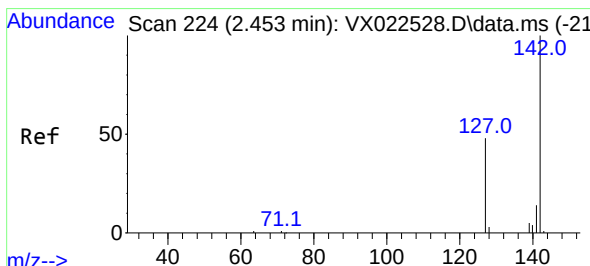
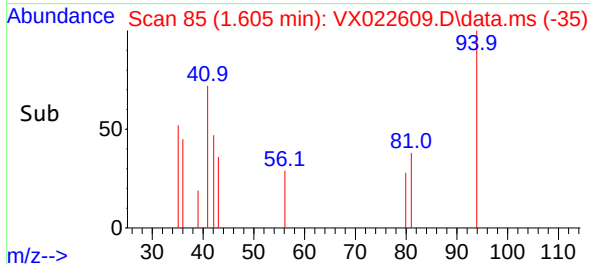
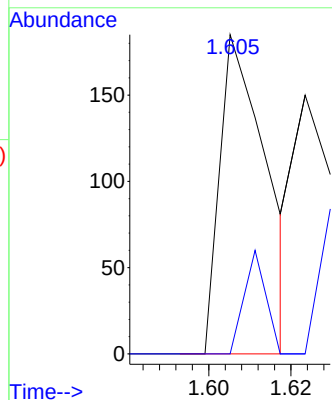
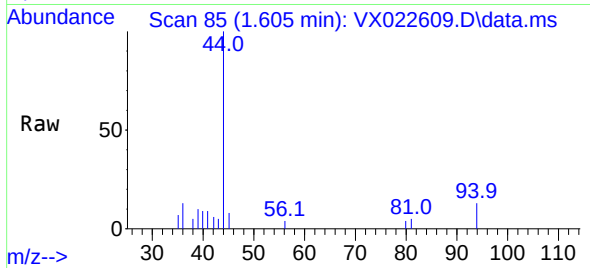




#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

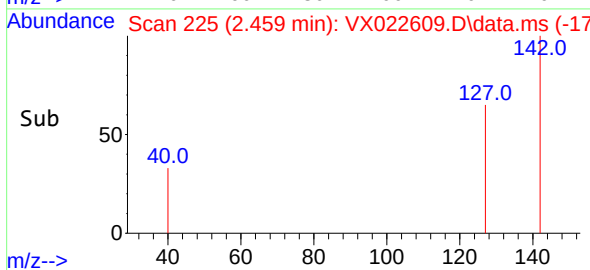
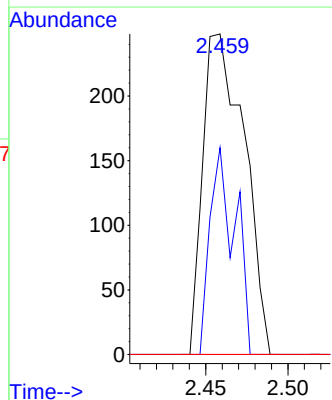
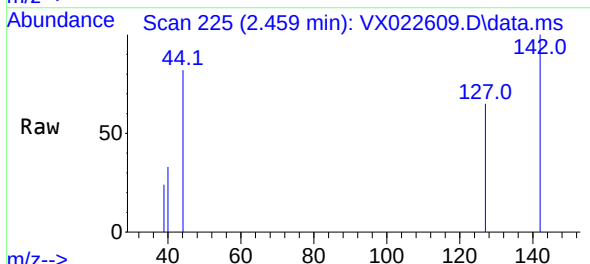
Instrument :
MSVOA_X
ClientSampleId :
1824-25

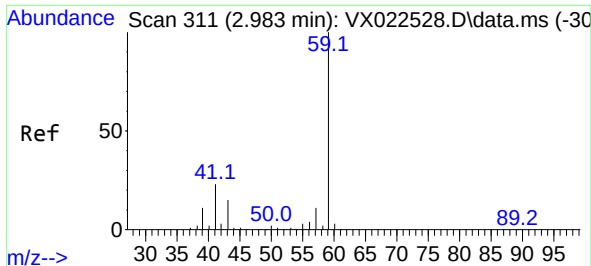
Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#10
Methyl Iodide
Concen: 0.54 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 142 Resp: 436
Ion Ratio Lower Upper
142 100
127 39.2 33.3 49.9
141 0.0 11.4 17.0#

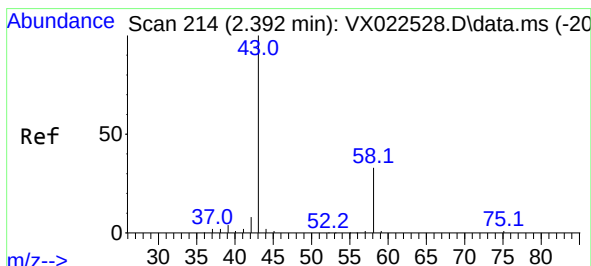
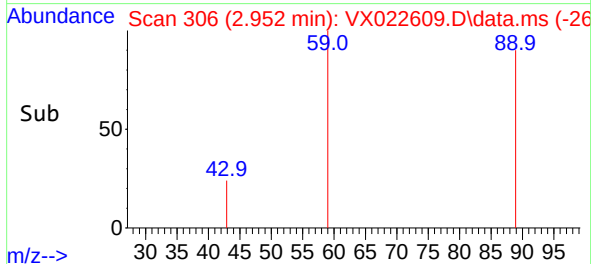
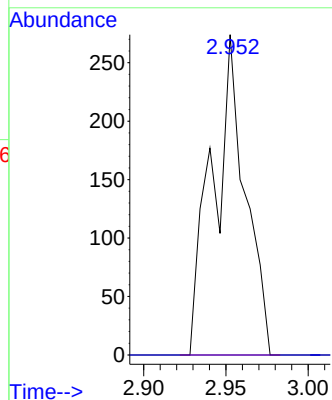
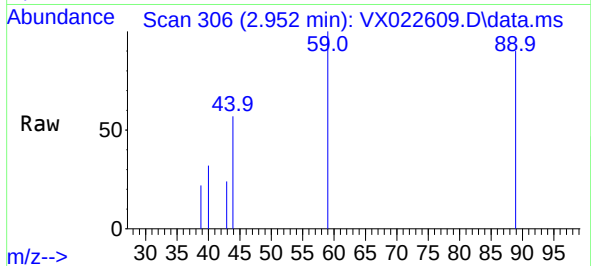




#11
Tert butyl alcohol
Concen: 1.69 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.031 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

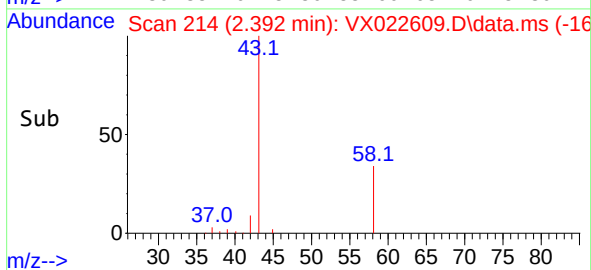
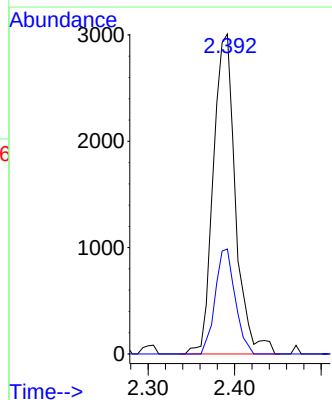
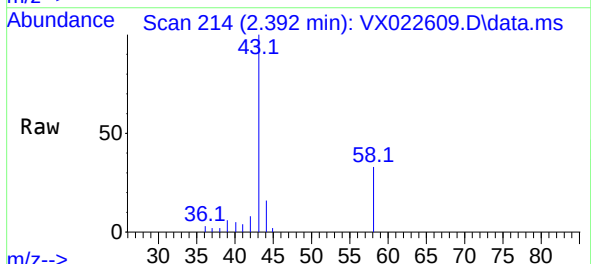
Instrument :
MSVOA_X
ClientSampleId :
1824-25

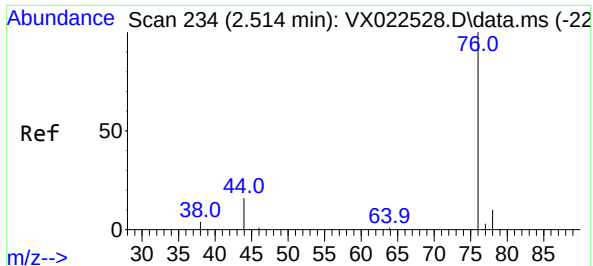
Tgt Ion: 59 Resp: 378
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 11.90 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 43 Resp: 5345
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8

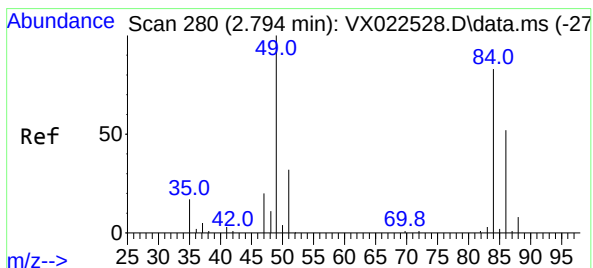
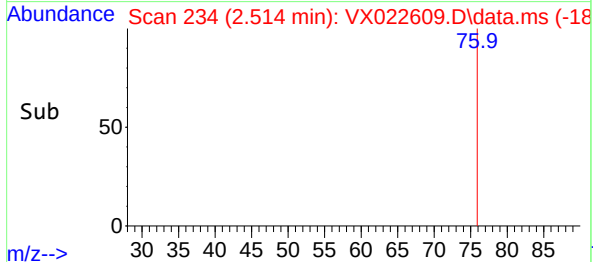
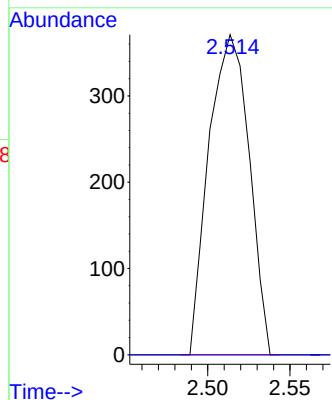
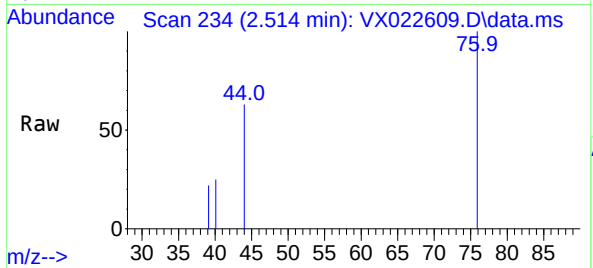




#17
Carbon Disulfide
Concen: 3.71 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

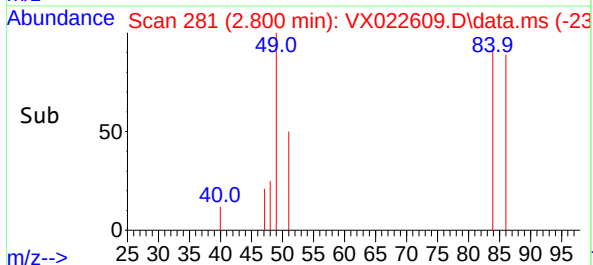
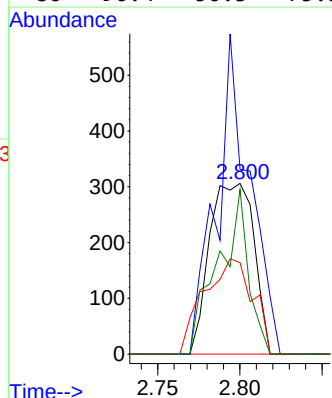
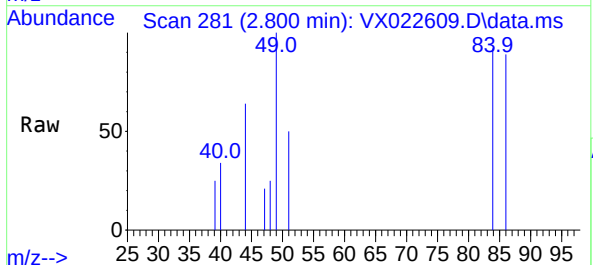
Instrument :
MSVOA_X
ClientSampleId :
1824-25

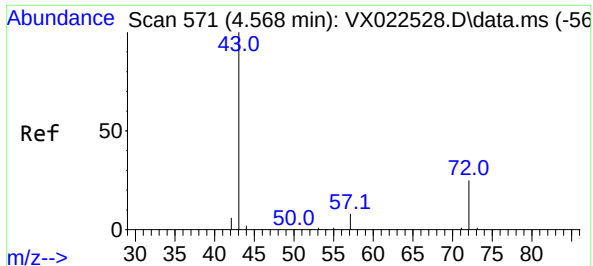
Tgt Ion: 76 Resp: 633
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.61 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 84 Resp: 575
Ion Ratio Lower Upper
84 100
49 108.2 88.6 132.8
51 53.6 27.0 40.6#
86 96.4 50.3 75.5#

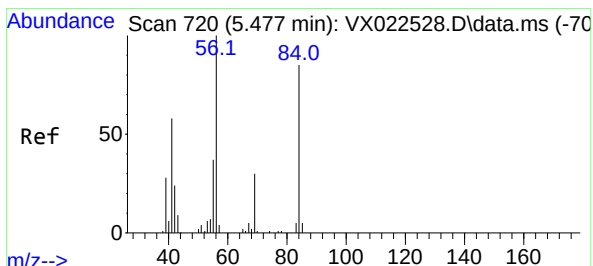
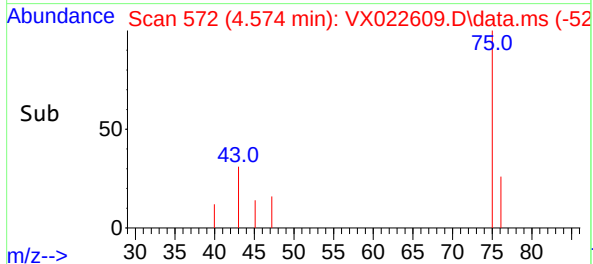
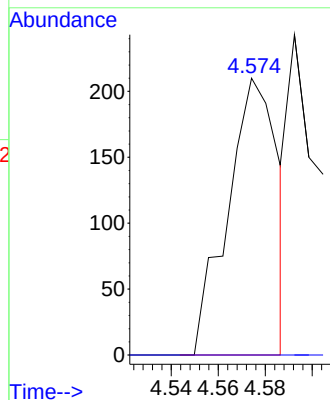
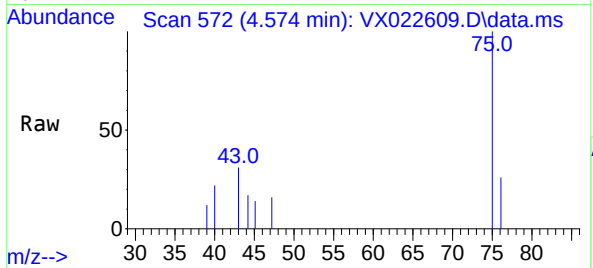




#25
2-Butanone
Concen: 0.42 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

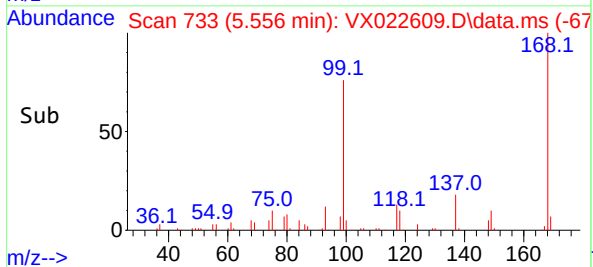
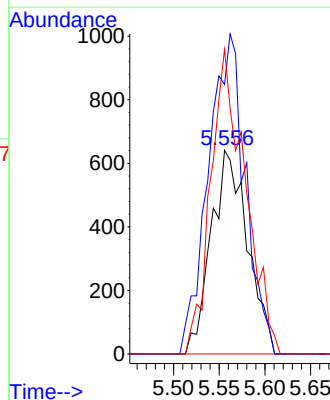
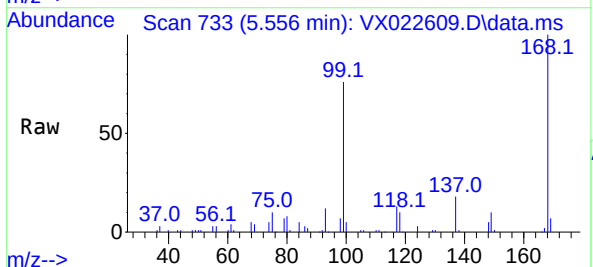
Instrument :
MSVOA_X
ClientSampled :
1824-25

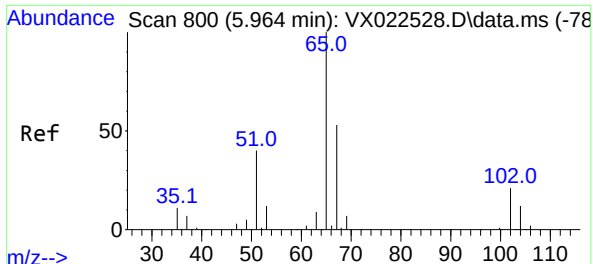
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.50 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 56 Resp: 1774
Ion Ratio Lower Upper
56 100
69 132.3 25.3 37.9#
84 149.5 71.4 107.0#



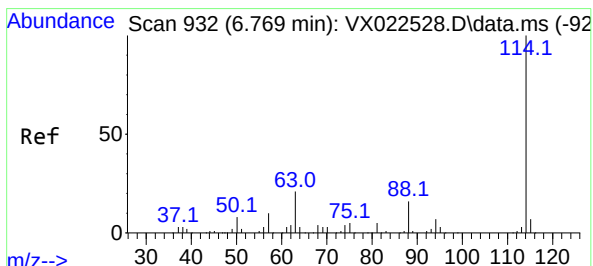
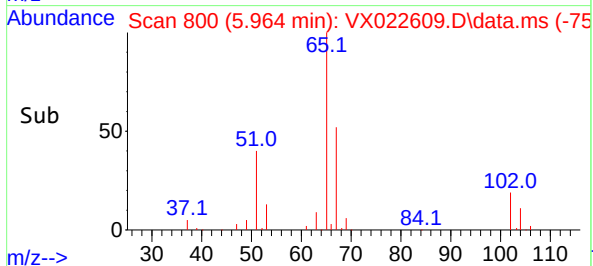
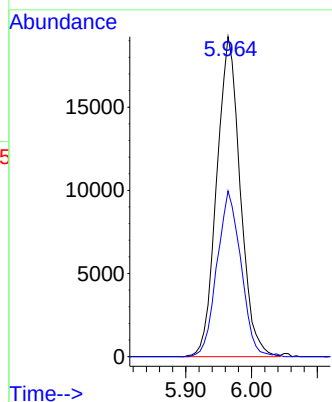
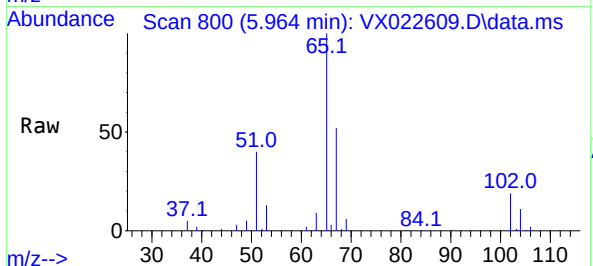


#33

1,2-Dichloroethane-d4
Concen: 47.90 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Instrument :
MSVOA_X
ClientSampled :
1824-25

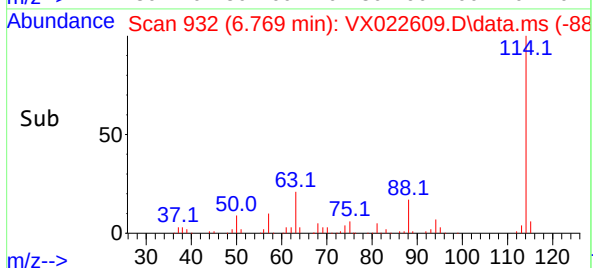
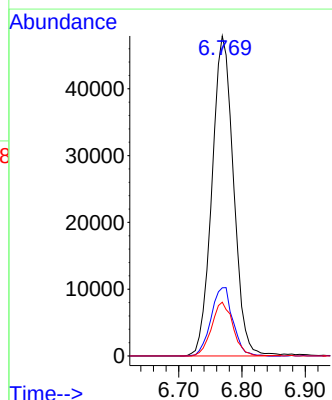
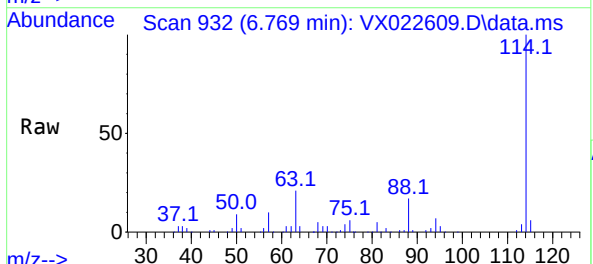
Tgt Ion: 65 Resp: 47896
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.4

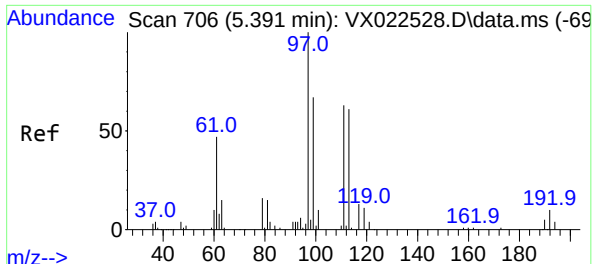


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 114 Resp: 113301
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.8 0.0 32.8

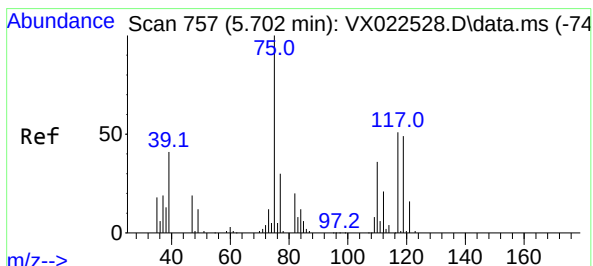
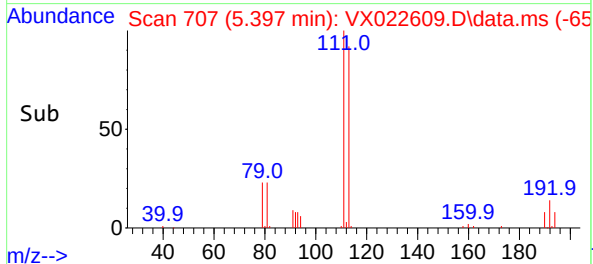
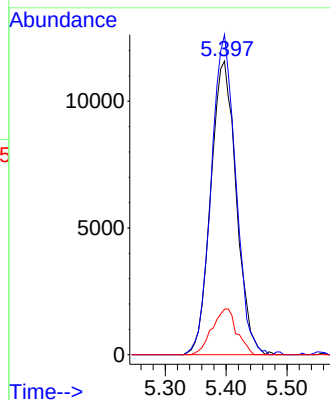
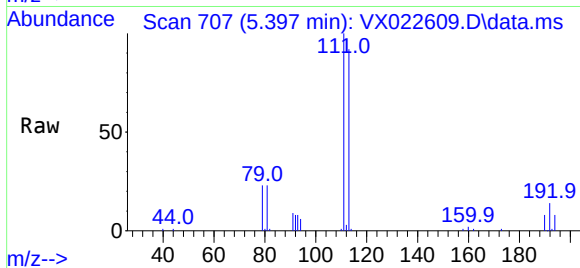




#35
Dibromofluoromethane
Concen: 47.48 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

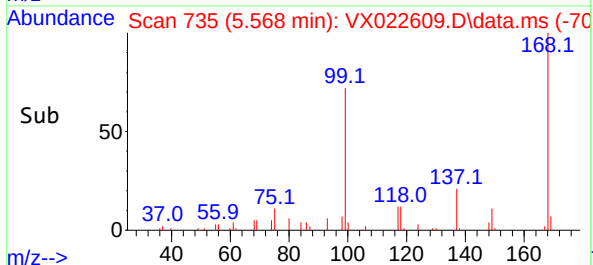
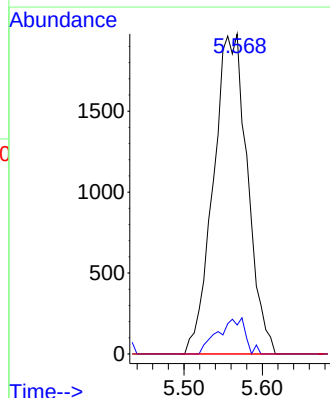
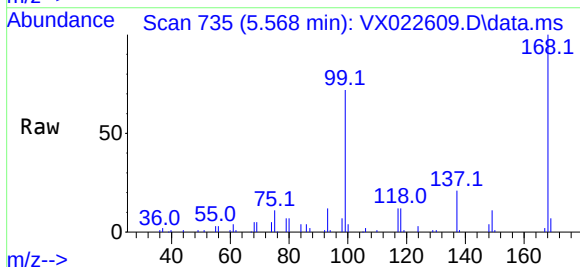
Instrument :
MSVOA_X
ClientSampled :
1824-25

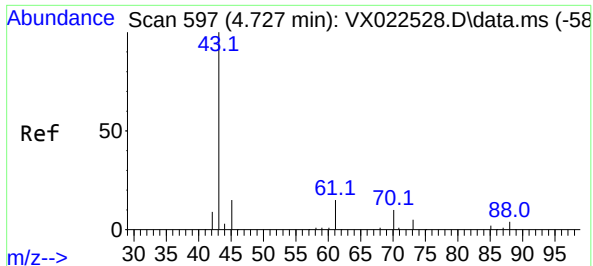
Tgt Ion:113 Resp: 33660
Ion Ratio Lower Upper
113 100
111 104.6 81.9 122.9
192 15.1 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.44 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 75 Resp: 5964
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.22 ug/l

RT: 4.574 min Scan# 572

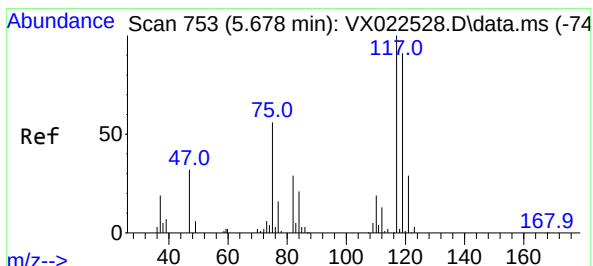
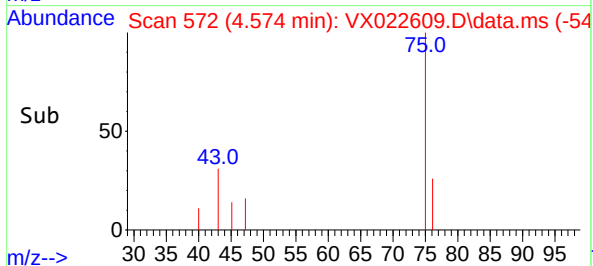
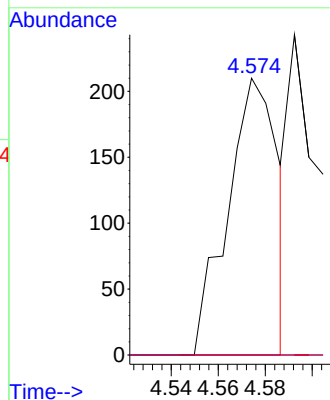
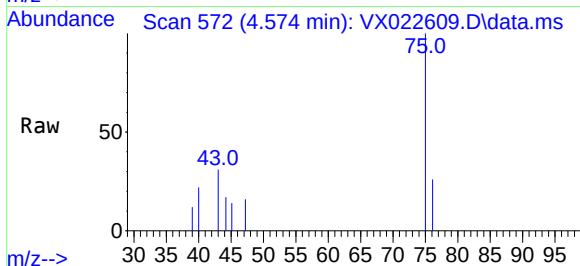
Delta R.T. -0.153 min

Lab File: VX022609.D

Acq: 09 Jun 2021 13:26

Tgt Ion: 43	Resp:	311
Ion	Ratio	Lower Upper
43	100	
61	0.0	12.8 19.2#
70	0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampled :
1824-25



#38

Carbon Tetrachloride

Concen: 8.84 ug/l

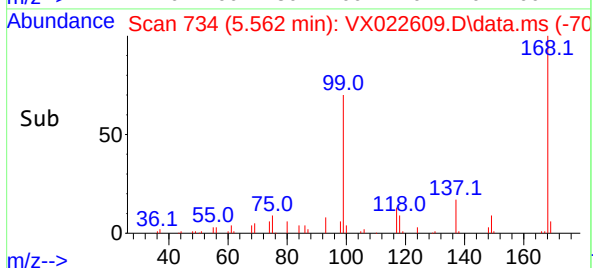
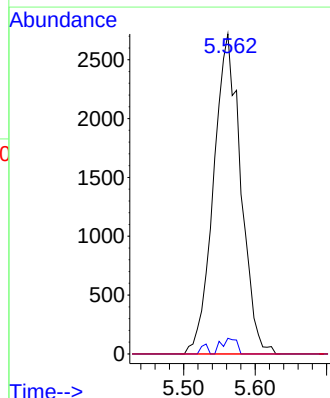
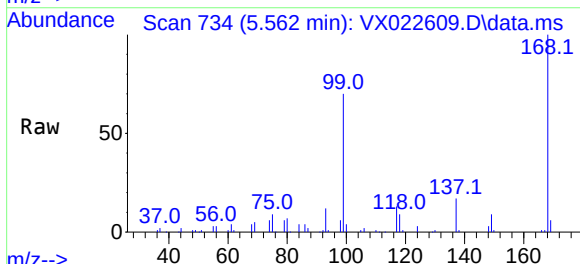
RT: 5.562 min Scan# 734

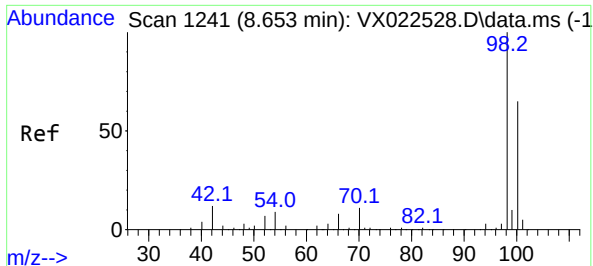
Delta R.T. -0.116 min

Lab File: VX022609.D

Acq: 09 Jun 2021 13:26

Tgt Ion: 117	Resp:	7189
Ion	Ratio	Lower Upper
117	100	
119	4.9	76.2 114.2#
121	0.0	24.8 37.2#

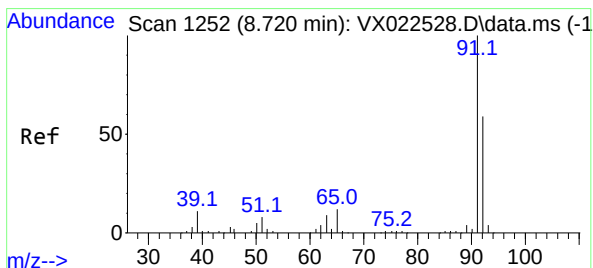
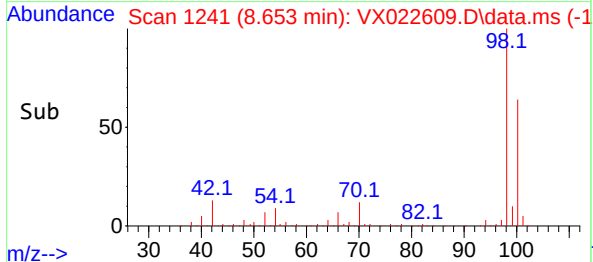
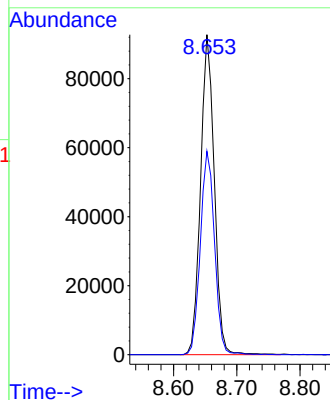
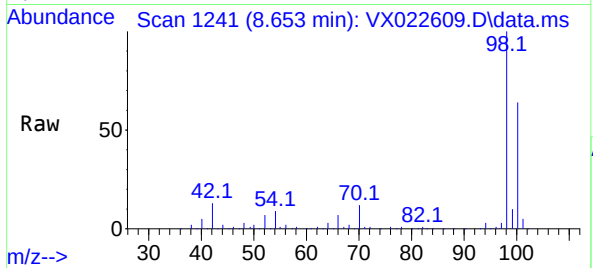




#50
Toluene-d8
Concen: 49.58 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

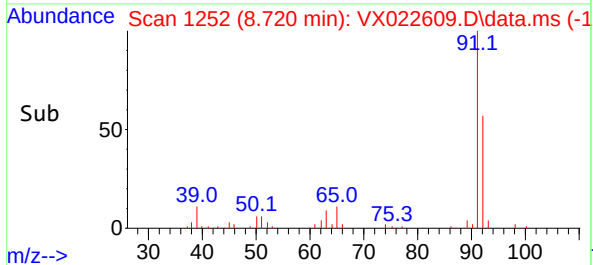
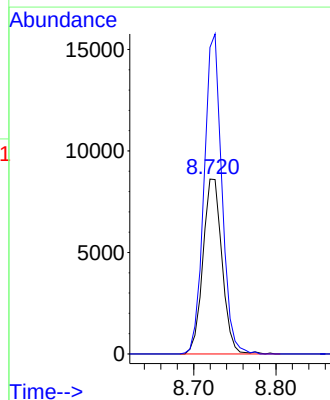
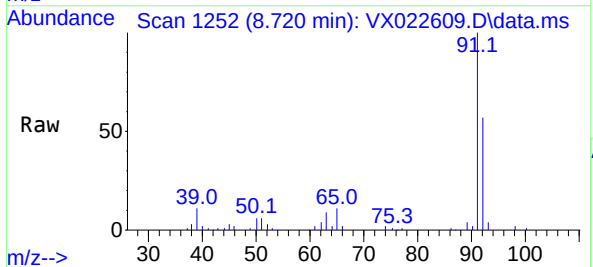
Instrument :
MSVOA_X
ClientSampled :
1824-25

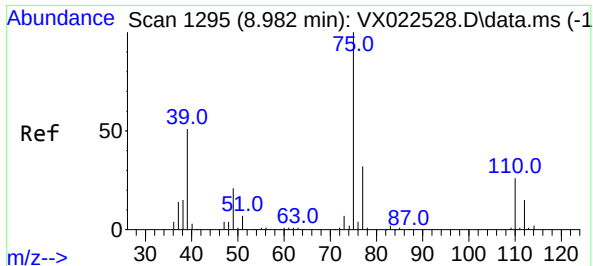
Tgt Ion: 98 Resp: 140224
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#52
Toluene
Concen: 6.53 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 92 Resp: 13878
Ion Ratio Lower Upper
92 100
91 170.3 137.1 205.7

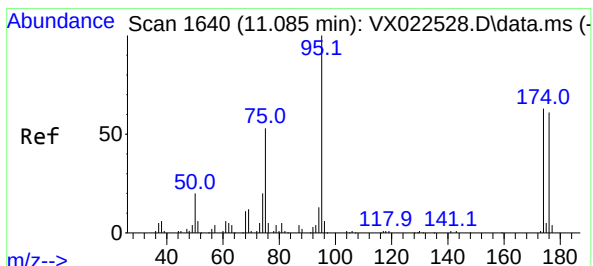
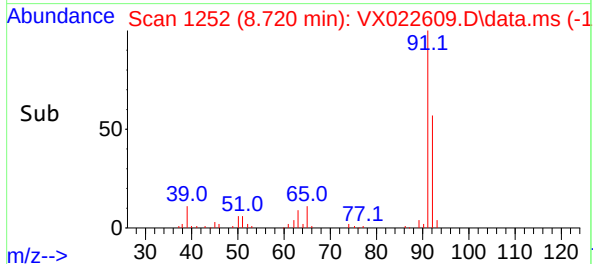
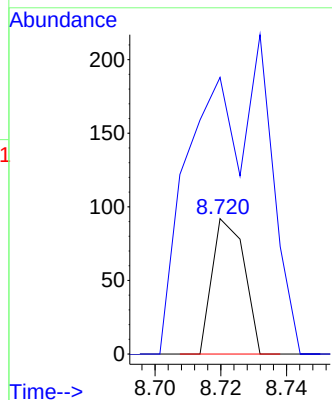
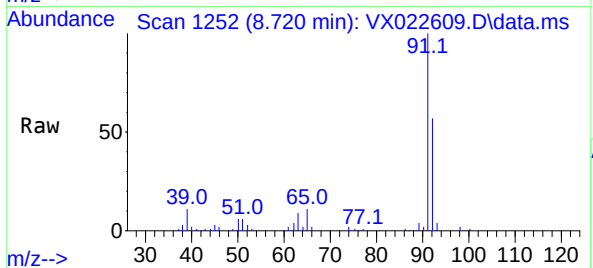




#53
t-1,3-Dichloropropene
Concen: 3.30 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

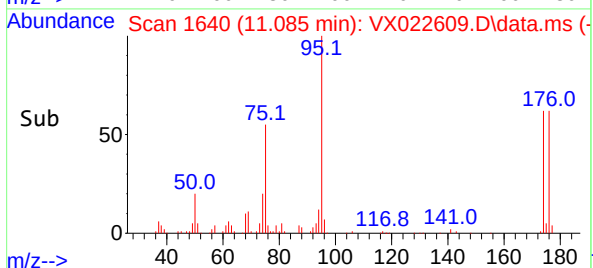
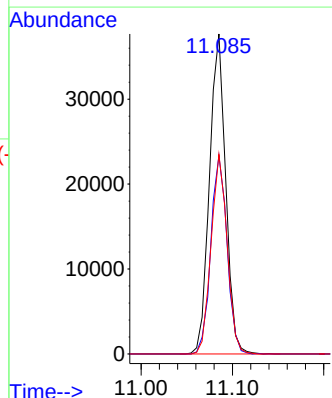
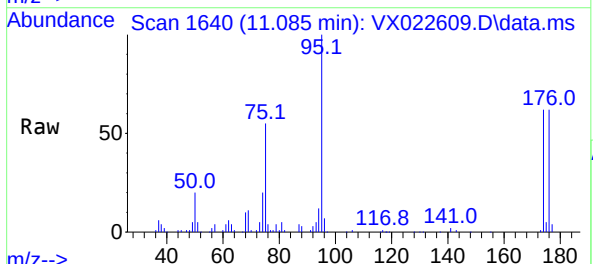
Instrument :
MSVOA_X
ClientSampled :
1824-25

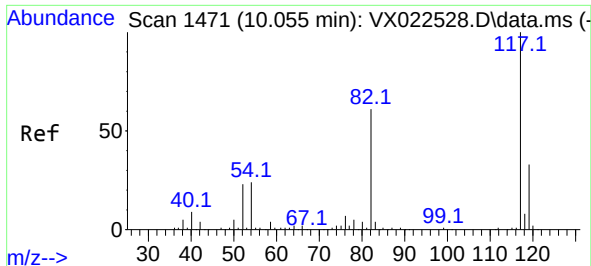
Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
77 125.0 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 43.98 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 95 Resp: 46233
Ion Ratio Lower Upper
95 100
174 62.0 0.0 154.6
176 61.7 0.0 155.8

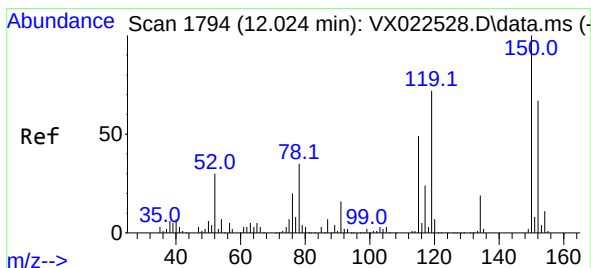
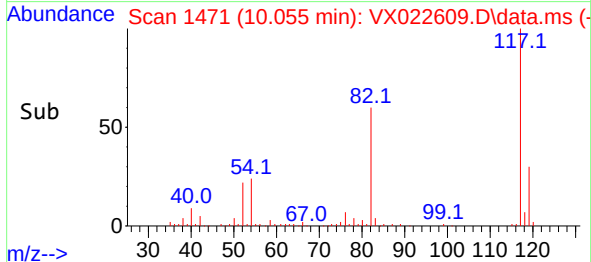
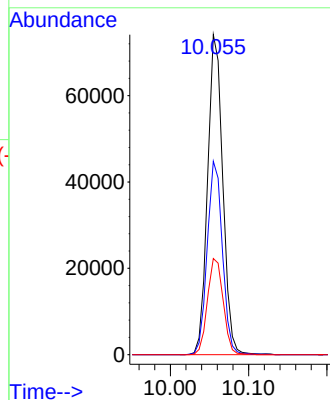
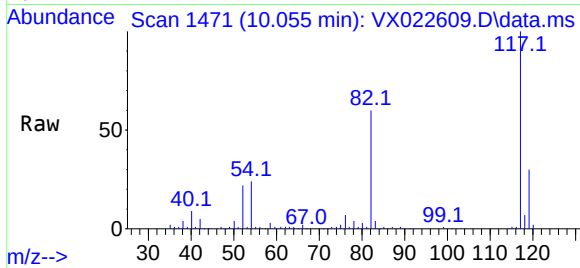




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

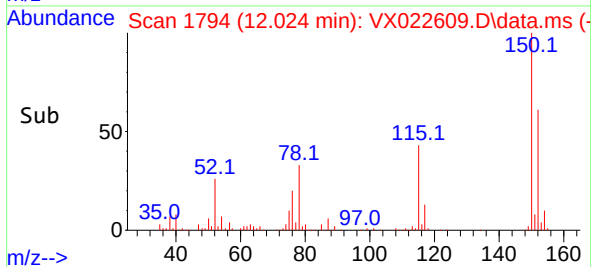
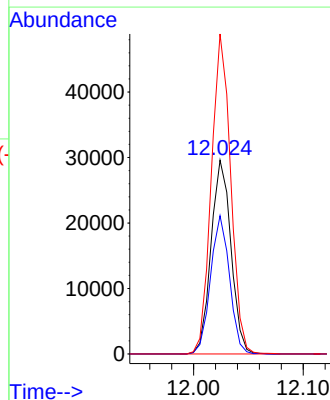
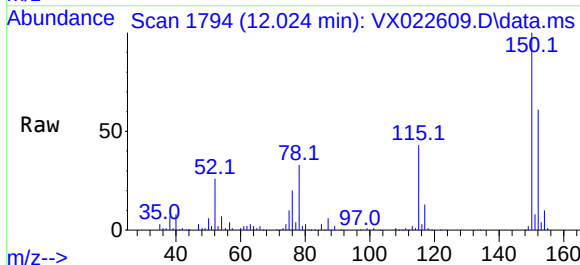
Instrument :
MSVOA_X
ClientSampleId :
1824-25

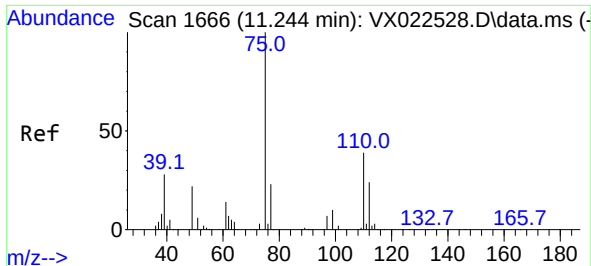
Tgt Ion:	117	Resp:	99549
Ion Ratio	Lower	Upper	
117	100		
82	60.5	47.4	71.2
119	30.1	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion:	152	Resp:	37375
Ion Ratio	Lower	Upper	
152	100		
115	67.8	41.1	123.3
150	160.3	0.0	349.0

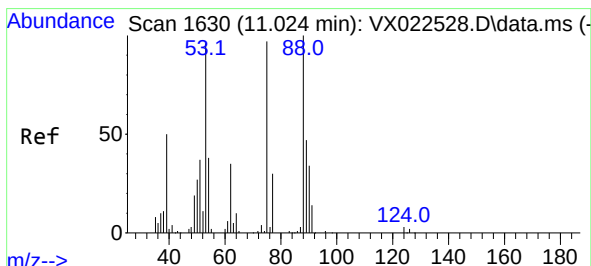
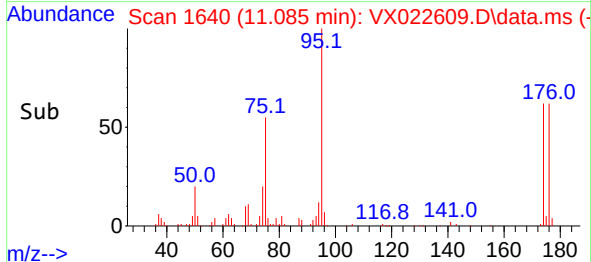
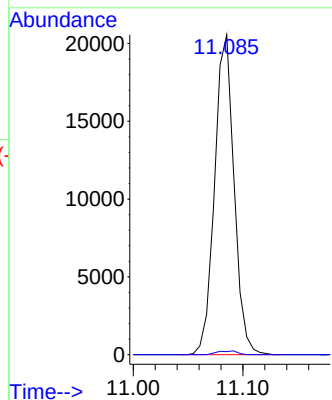
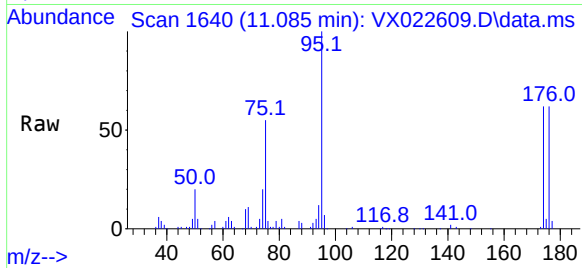




#76
1,2,3-Trichloropropane
Concen: 26.20 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

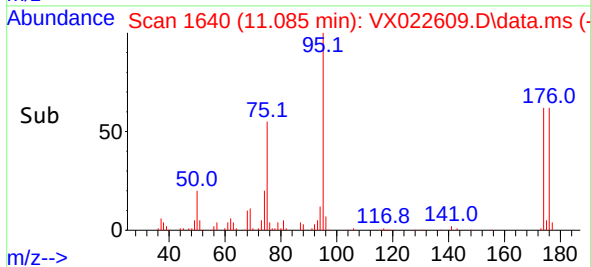
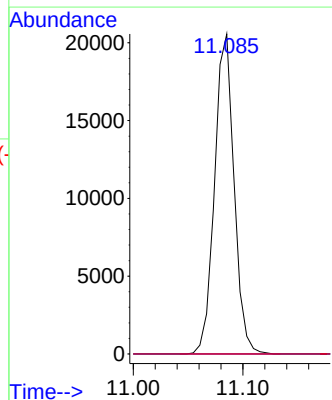
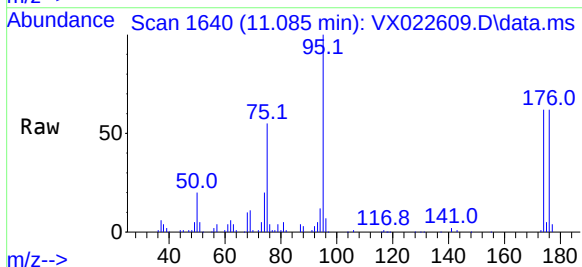
Instrument :
MSVOA_X
ClientSampled :
1824-25

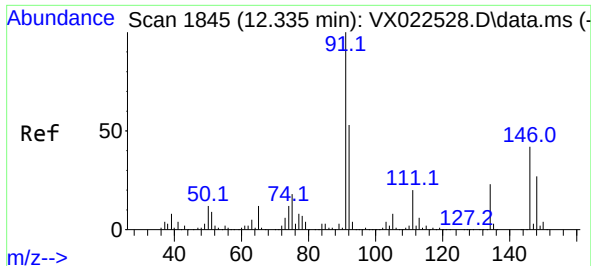
Tgt Ion: 75 Resp: 25369
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.56 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion: 75 Resp: 25369
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

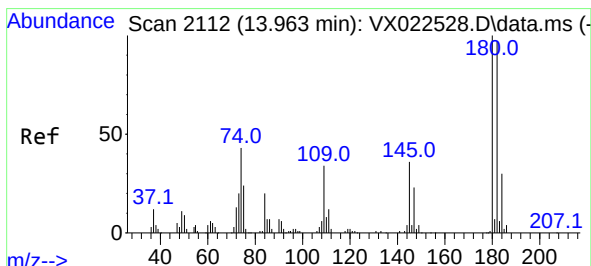
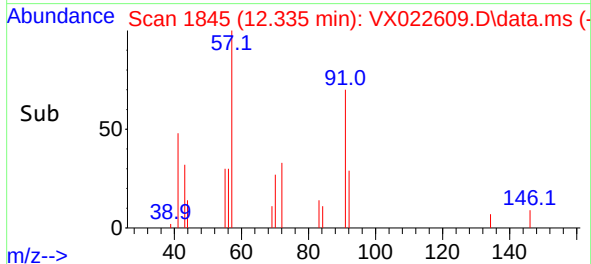
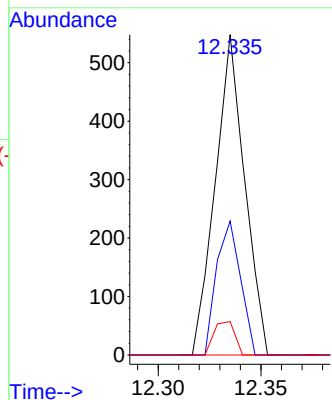
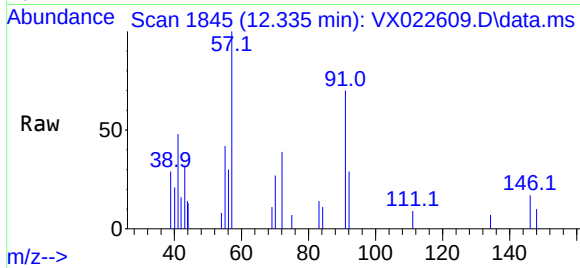




#89
n-Butylbenzene
Concen: 0.22 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Instrument :
MSVOA_X
ClientSampled :
1824-25

Tgt Ion:	91	Resp:	545
Ion	Ratio	Lower	Upper
91	100		
92	33.9	27.4	82.0
134	7.3	13.2	39.5#



#96
1,2,3-Trichlorobenzene
Concen: 0.22 ug/l
RT: 13.969 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VX022609.D
Acq: 09 Jun 2021 13:26

Tgt Ion:	180	Resp:	160
Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.6	142.9
145	0.0	16.1	48.3#

