

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022724\
 Data File : VX040495.D
 Acq On : 27 Feb 2024 17:22
 Operator : JC/MD
 Sample : P1613-02 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1848

Quant Time: Feb 28 02:07:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

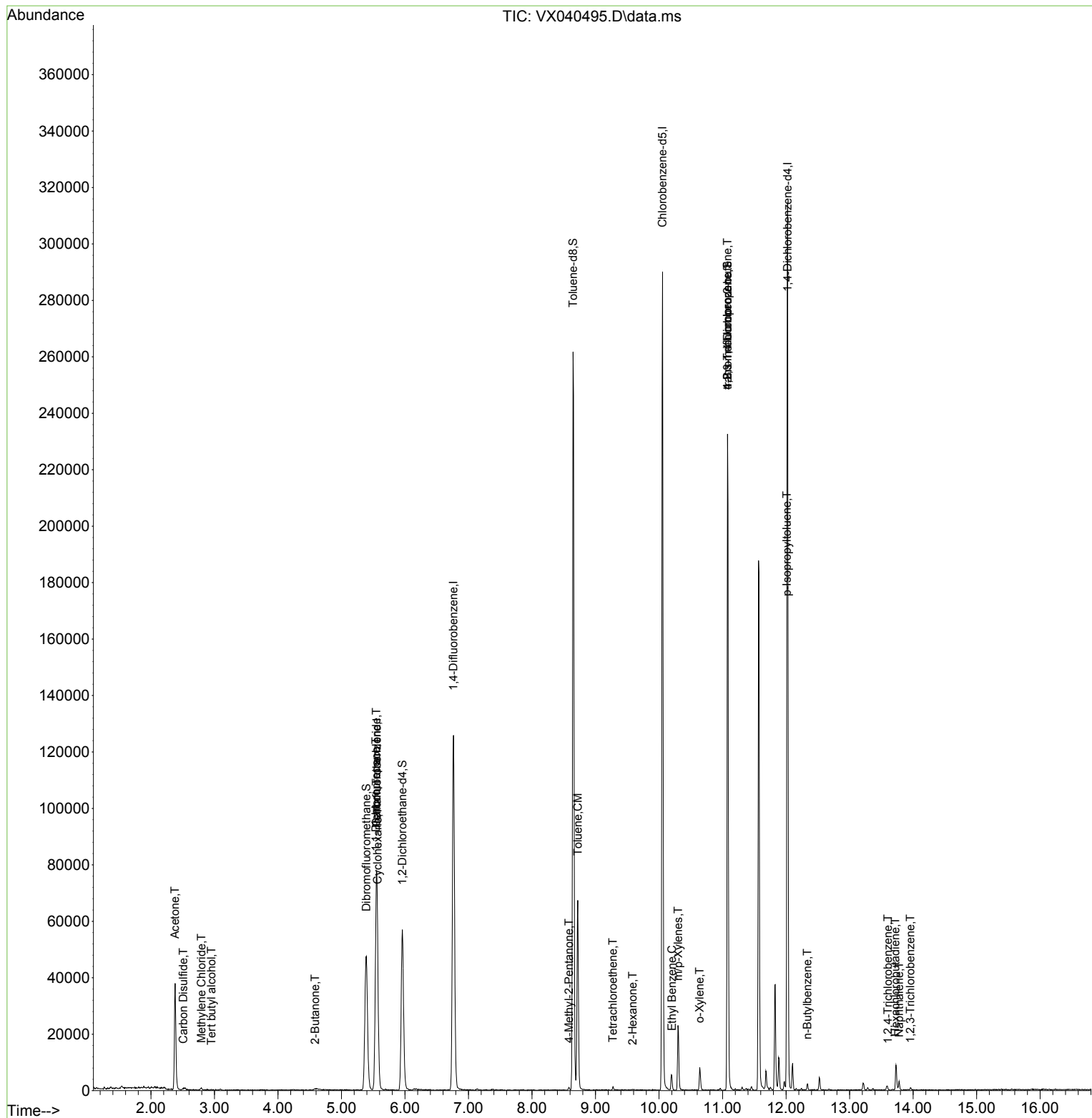
Internal Standards						
1) Pentafluorobenzene	5.556	168	68297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119922	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56291	49.278	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.560%		
35) Dibromofluoromethane	5.391	113	40749	48.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.720%		
50) Toluene-d8	8.647	98	150146	49.601	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.200%		
62) 4-Bromofluorobenzene	11.079	95	59078	51.199	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.400%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	89	0.463	ug/l #	78
16) Acetone	2.380	43	38248	102.672	ug/l	93
17) Carbon Disulfide	2.508	76	763	0.354	ug/l #	86
20) Methylene Chloride	2.794	84	423	0.474	ug/l #	78
25) 2-Butanone	4.587	43	147	0.226	ug/l #	51
31) Cyclohexane	5.568	56	1847	1.427	ug/l #	56
36) 1,1-Dichloropropene	5.544	75	6817	5.306	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7592	6.117	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	682	0.468	ug/l #	74
52) Toluene	8.720	92	24081	11.280	ug/l	96
59) 2-Hexanone	9.586	43	270	0.241	ug/l #	26
64) Tetrachloroethene	9.275	164	193	0.230	ug/l #	44
67) Ethyl Benzene	10.201	91	3625	0.778	ug/l #	85
68) m/p-Xylenes	10.299	106	5252	3.020	ug/l	99
69) o-Xylene	10.640	106	1741	1.047	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	34221	26.291	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	34221	76.459	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1366	0.361	ug/l #	75
89) n-Butylbenzene	12.335	91	891	0.239	ug/l	86
93) 1,2,4-Trichlorobenzene	13.603	180	454	0.356	ug/l #	85
94) Hexachlorobutadiene	13.719	225	166	0.318	ug/l #	27
95) Naphthalene	13.780	128	1127	0.276	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.957	180	295	0.243	ug/l #	75

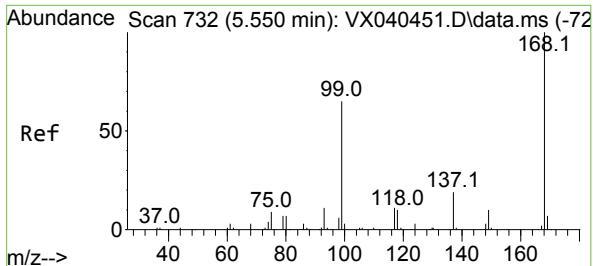
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

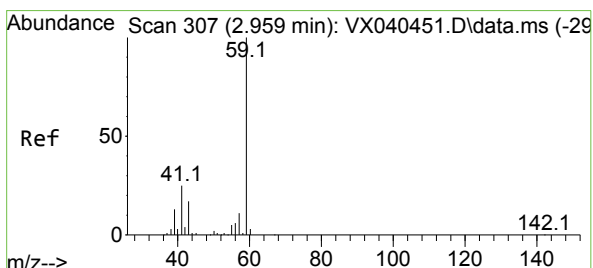
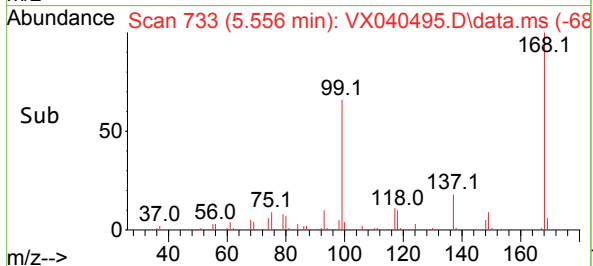
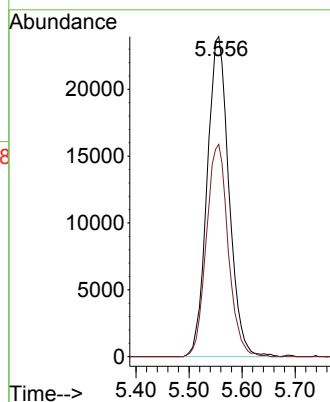
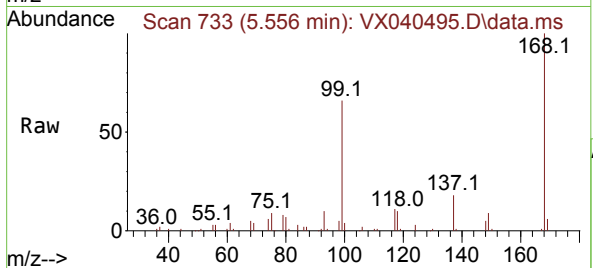




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

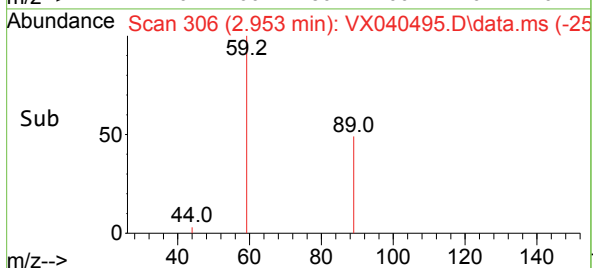
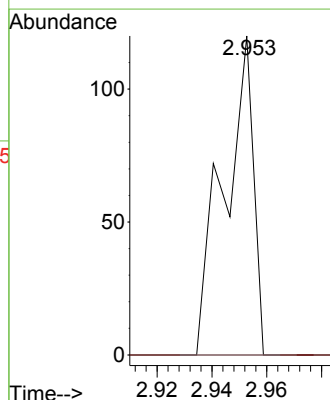
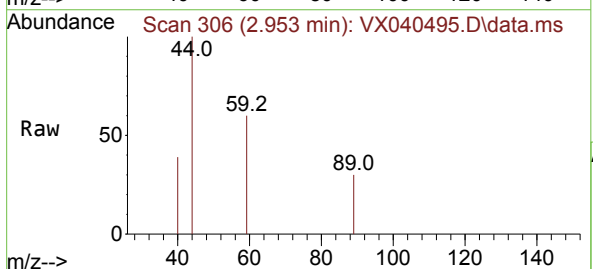
Instrument :
MSVOA_X
ClientSampleId :
1848

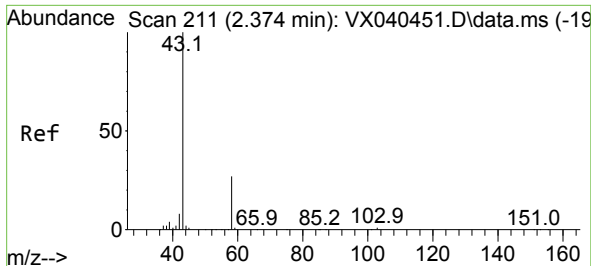
Tgt Ion:168 Resp: 68297
Ion Ratio Lower Upper
168 100
99 66.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.463 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 59 Resp: 89
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

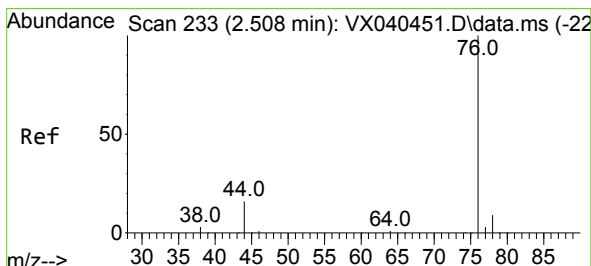
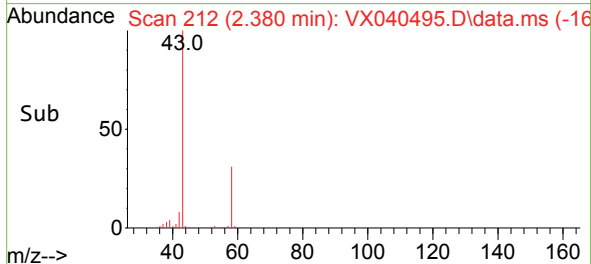
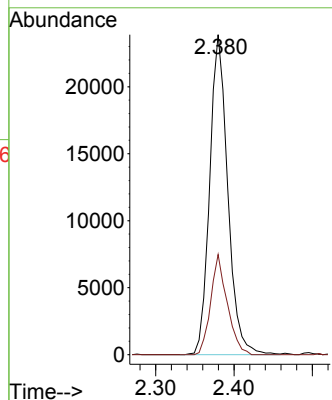
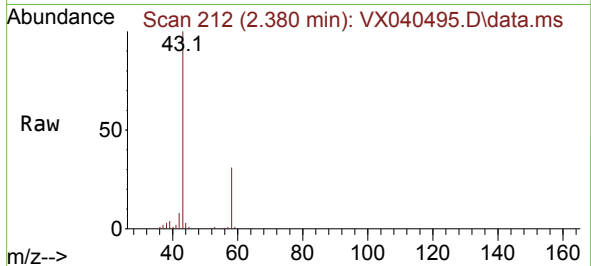




#16
Acetone
Concen: 102.672 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

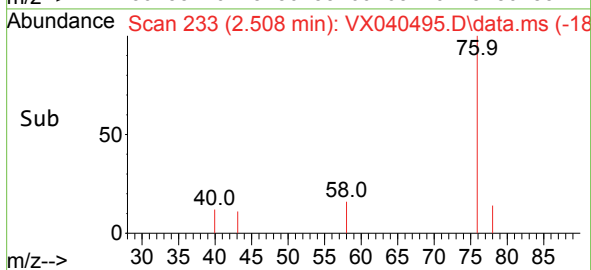
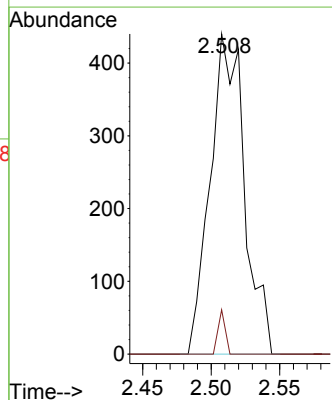
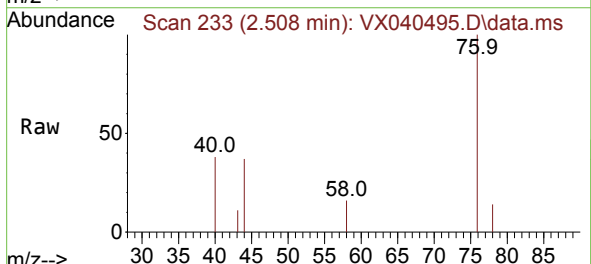
Instrument :
MSVOA_X
ClientSampleId :
1848

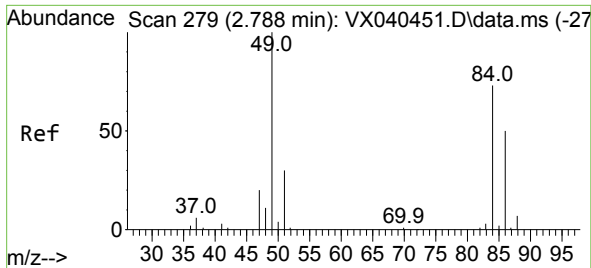
Tgt Ion: 43 Resp: 38248
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#17
Carbon Disulfide
Concen: 0.354 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 76 Resp: 763
Ion Ratio Lower Upper
76 100
78 13.9 7.0 10.6#



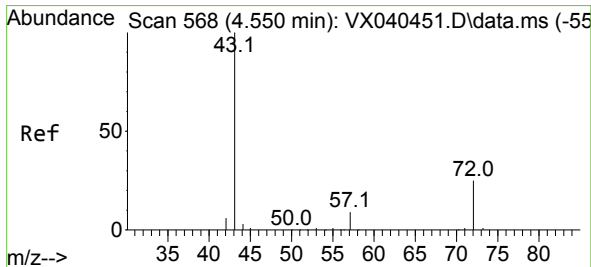
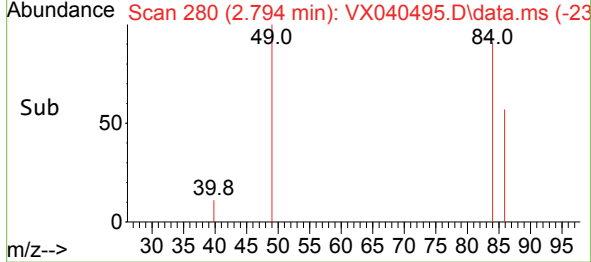
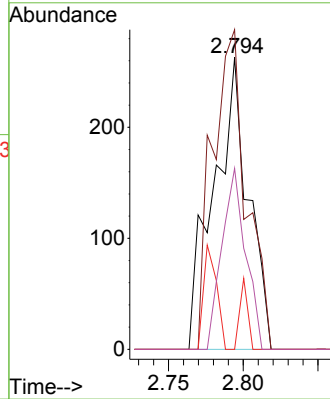
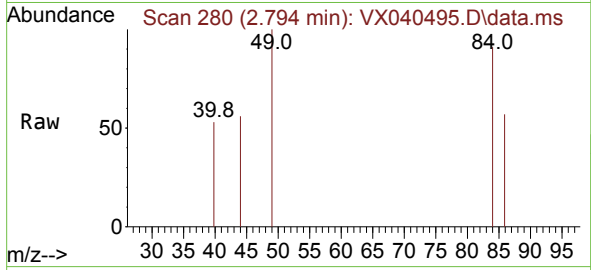


#20
Methylene Chloride
Concen: 0.474 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Instrument :
MSVOA_X
ClientSampleId :
1848

Tgt Ion: 84 Resp: 423

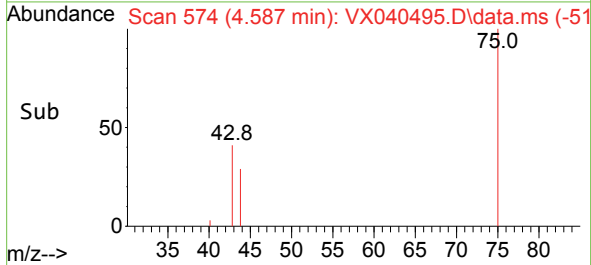
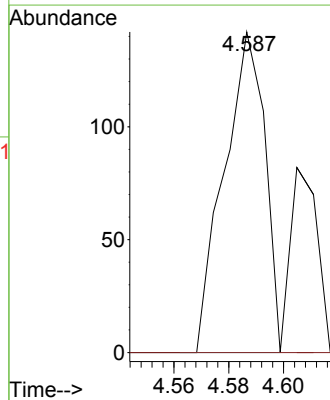
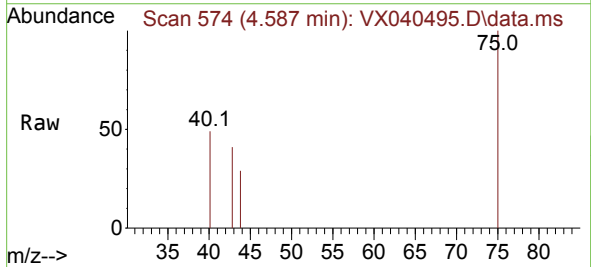
Ion	Ratio	Lower	Upper
84	100		
49	109.5	103.6	155.4
51	0.0	33.8	50.6#
86	62.0	49.4	74.0

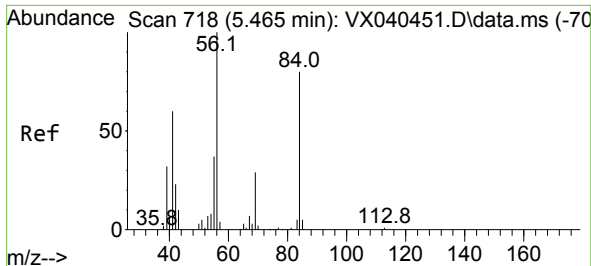


#25
2-Butanone
Concen: 0.226 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.037 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 43 Resp: 147

Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

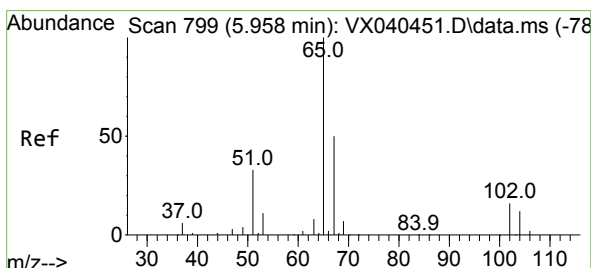
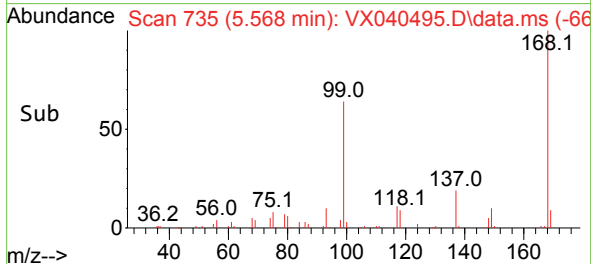
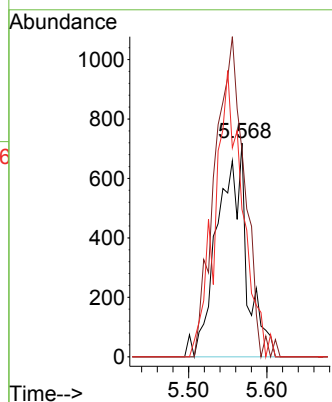
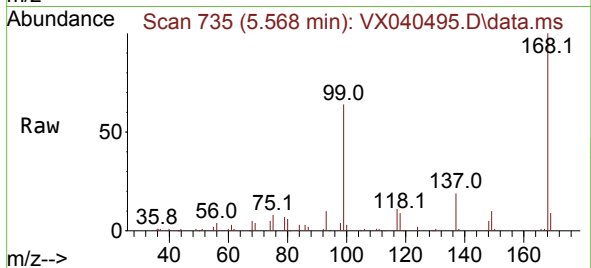




#31
Cyclohexane
Concen: 1.427 ug/l
RT: 5.568 min Scan# 718
Delta R.T. 0.104 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

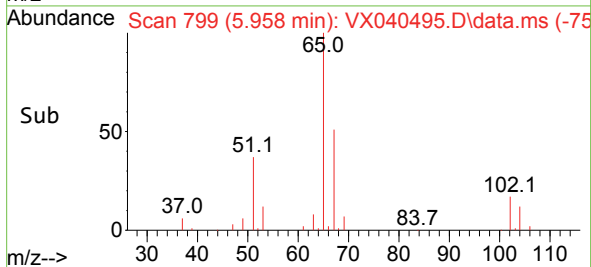
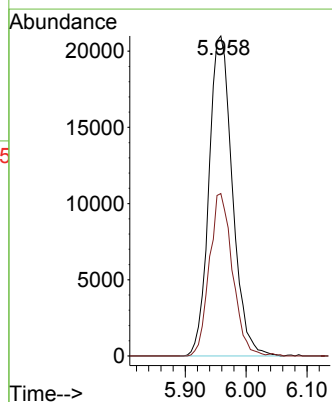
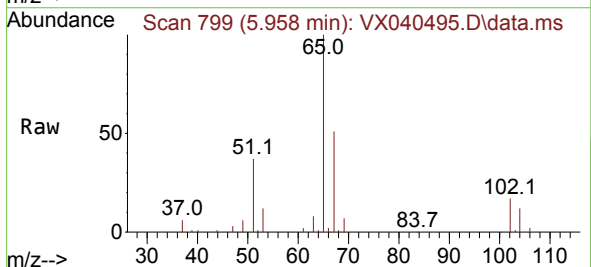
Instrument :
MSVOA_X
ClientSampleId :
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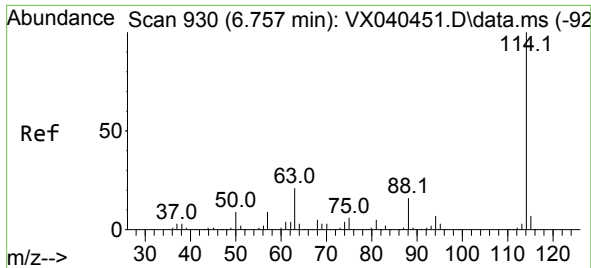
Tgt Ion: 56 Resp: 1847
Ion Ratio Lower Upper
56 100
69 96.8 23.4 35.2#
84 69.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.278 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 65 Resp: 56291
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

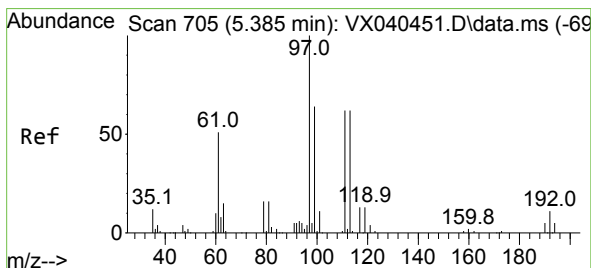
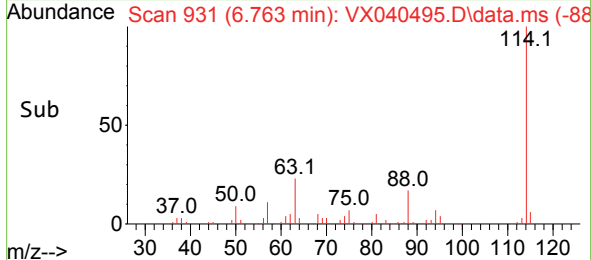
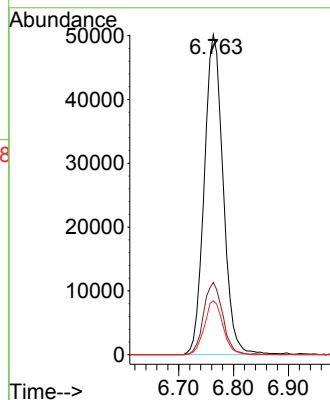
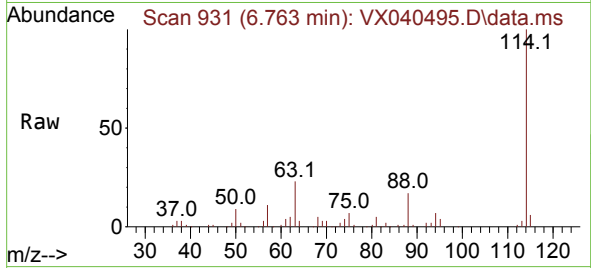




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

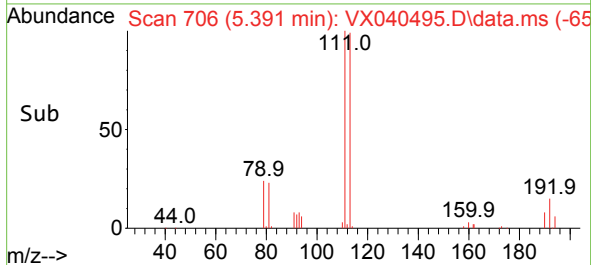
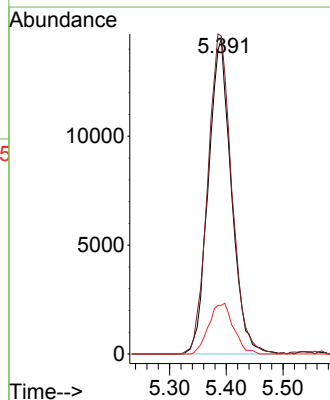
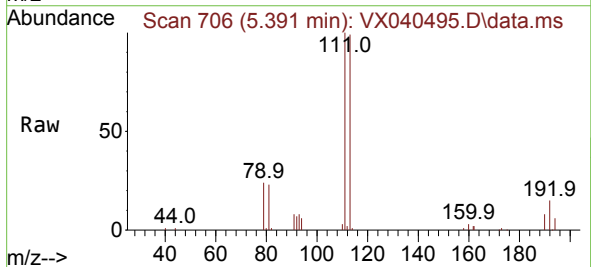
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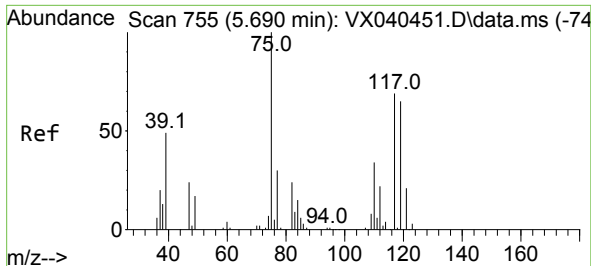
Tgt Ion:114 Resp: 119922
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.0
88 16.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.864 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion:113 Resp: 40749
Ion Ratio Lower Upper
113 100
111 105.6 82.9 124.3
192 17.2 13.3 19.9

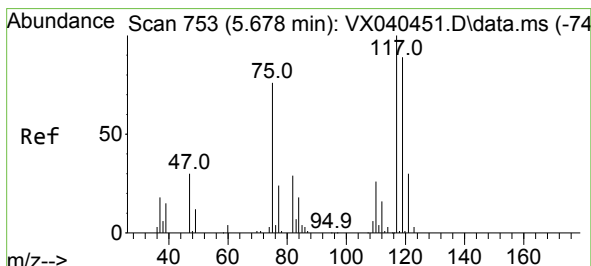
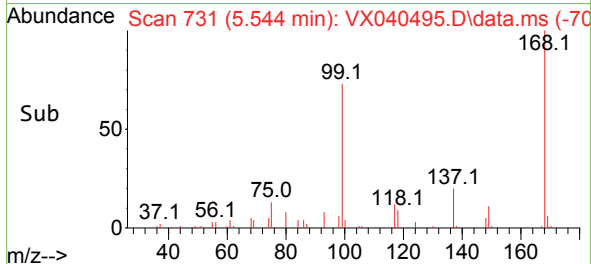
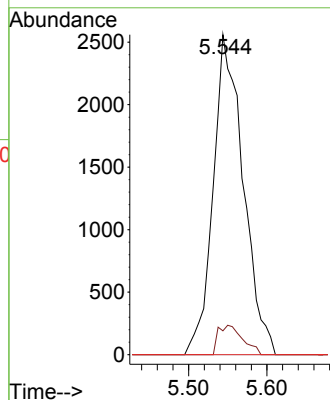
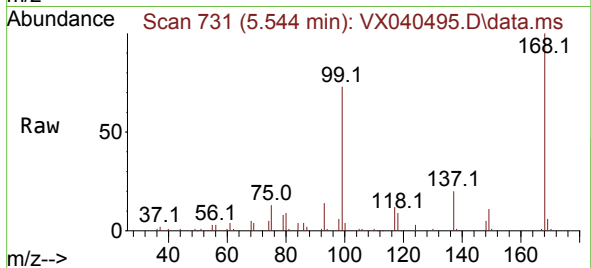




#36
1,1-Dichloropropene
Concen: 5.306 ug/l
RT: 5.544 min Scan# 713
Delta R.T. -0.146 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

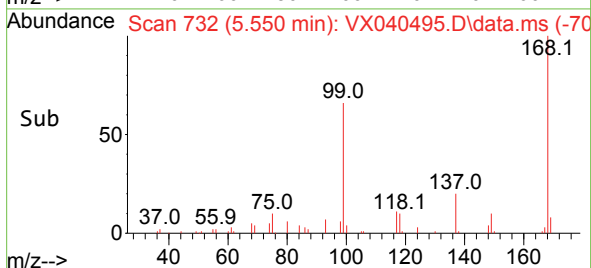
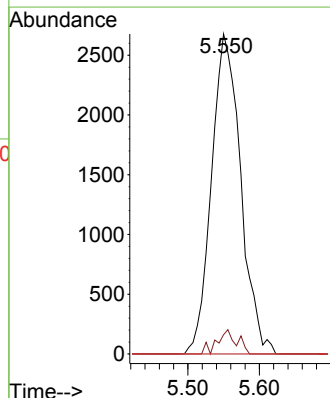
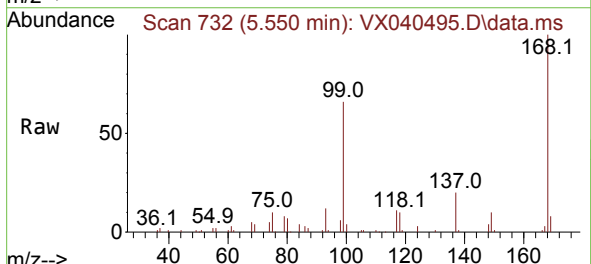
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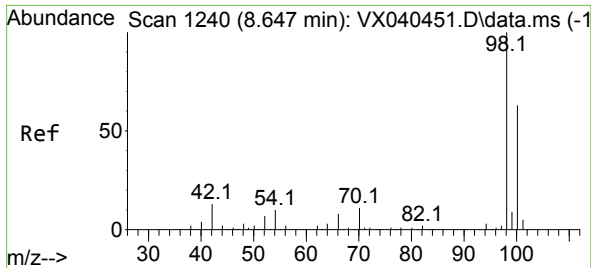
Tgt Ion: 75 Resp: 6817
Ion Ratio Lower Upper
75 100
110 7.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.117 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 117 Resp: 7592
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.4 36.6#

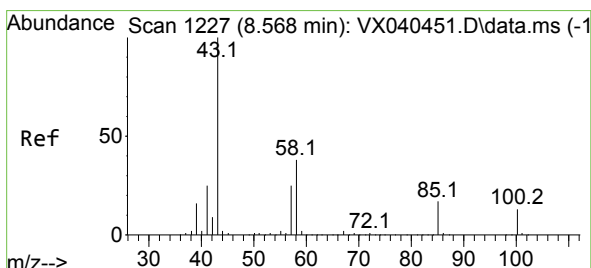
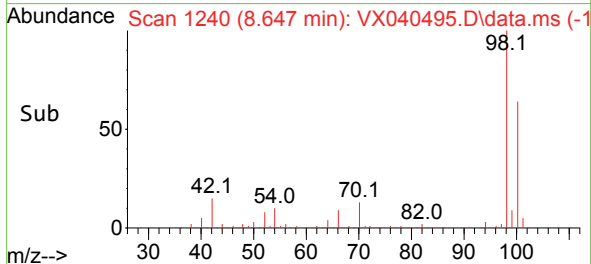
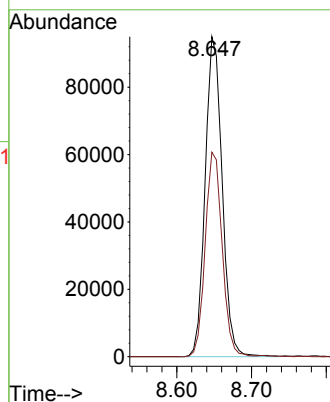
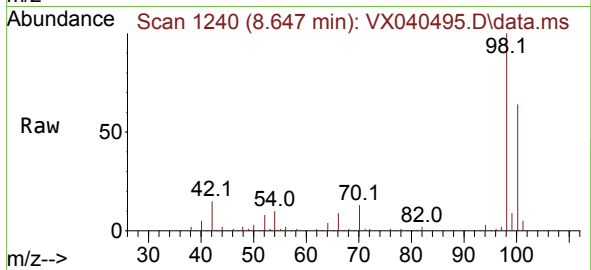




#50
Toluene-d8
Concen: 49.601 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

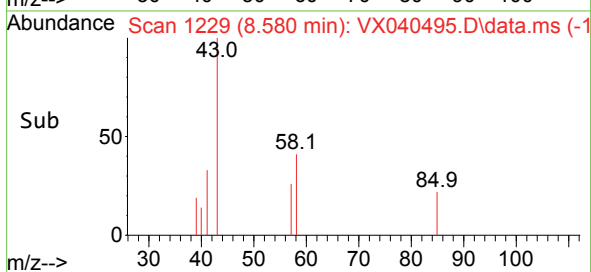
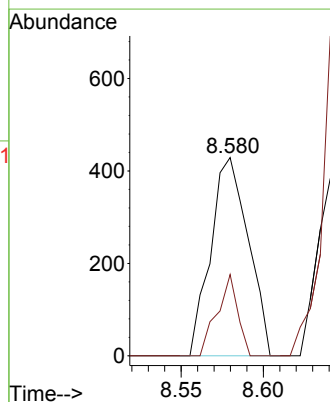
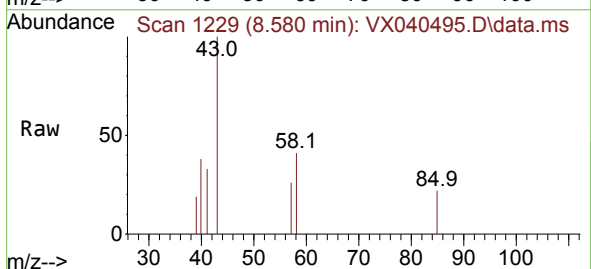
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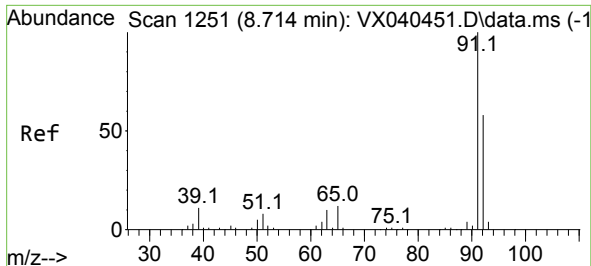
Tgt Ion: 98 Resp: 150146
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
58 22.4 30.4 45.6#

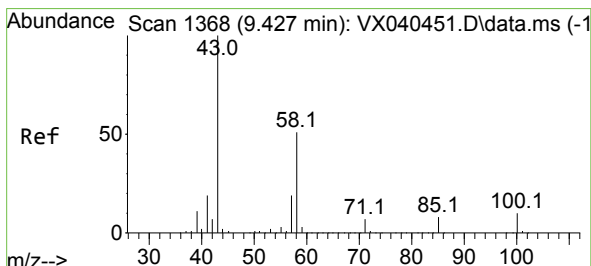
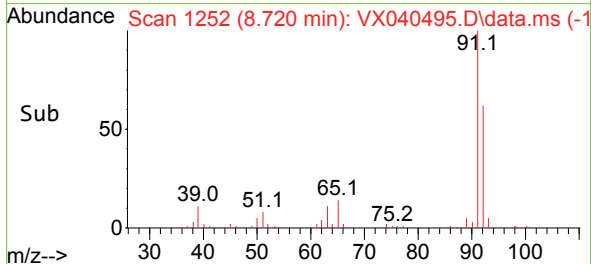
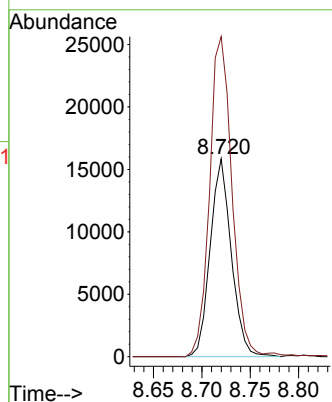
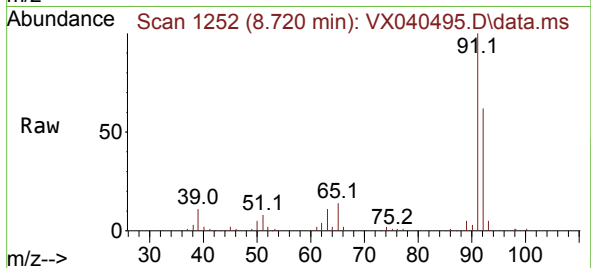




#52
Toluene
Concen: 11.280 ug/l
RT: 8.720 min Scan# 11848
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

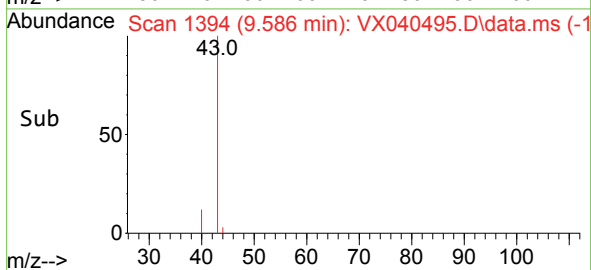
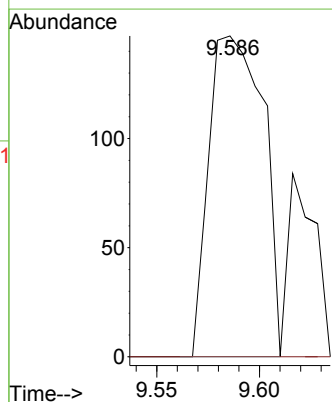
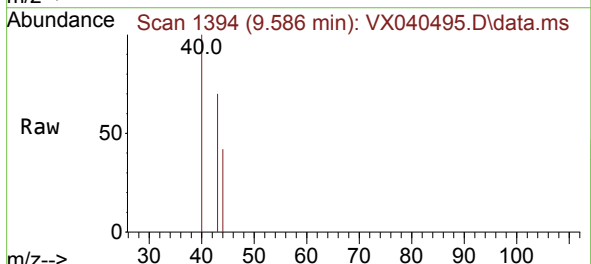
Instrument :
MSVOA_X
ClientSampleId :
1848

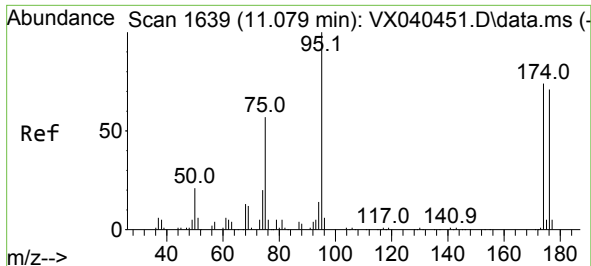
Tgt Ion: 92 Resp: 24081
Ion Ratio Lower Upper
92 100
91 172.5 134.2 201.2



#59
2-Hexanone
Concen: 0.241 ug/l
RT: 9.586 min Scan# 1394
Delta R.T. 0.158 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 43 Resp: 270
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

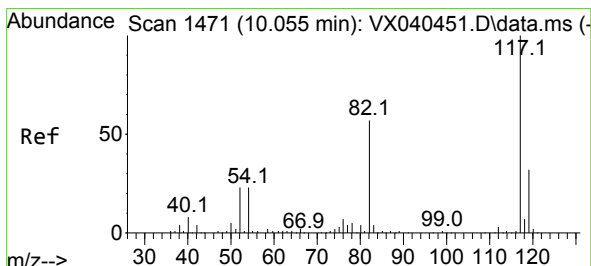
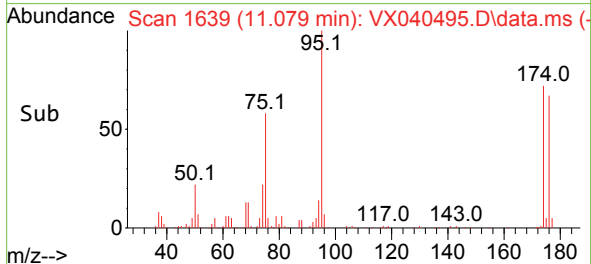
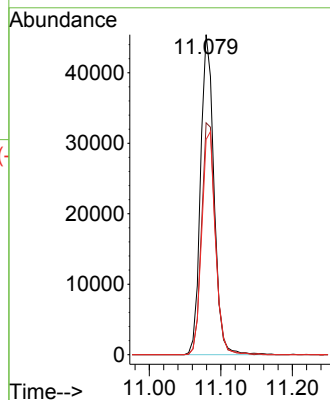
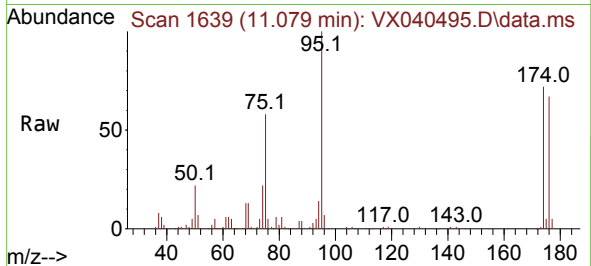




#62
4-Bromofluorobenzene
Concen: 51.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

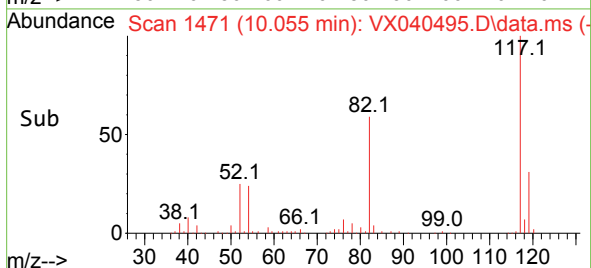
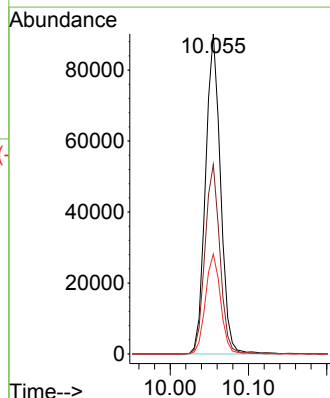
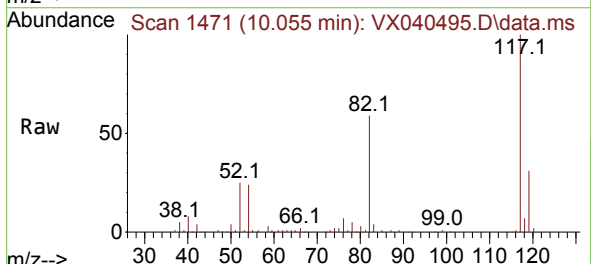
Instrument :
MSVOA_X
ClientSampleId :
1848

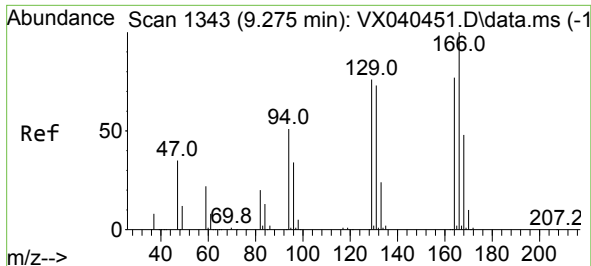
Tgt Ion: 95 Resp: 59078
Ion Ratio Lower Upper
95 100
174 74.5 0.0 135.6
176 71.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

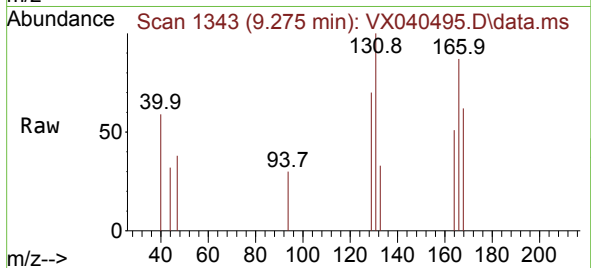
Tgt Ion: 117 Resp: 119609
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 31.2 25.5 38.3



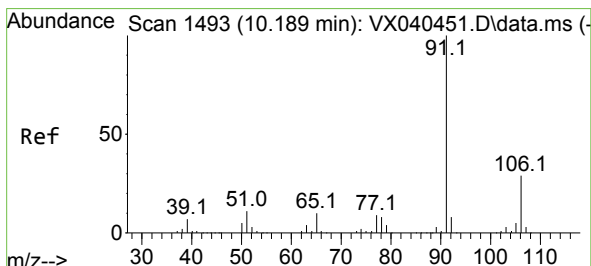
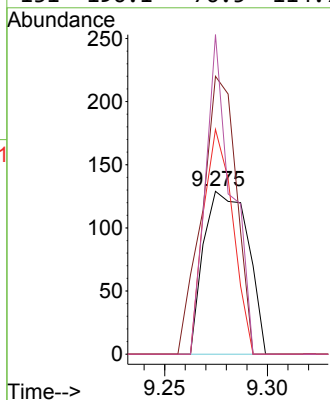
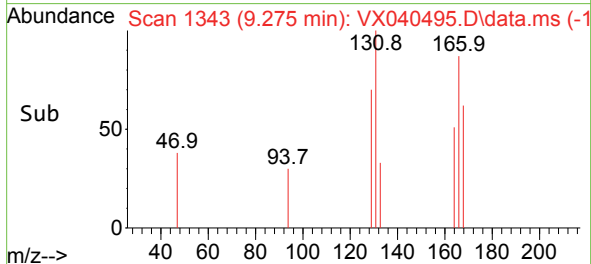


#64
Tetrachloroethene
Concen: 0.230 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Instrument :
MSVOA_X
ClientSampleId :
1848

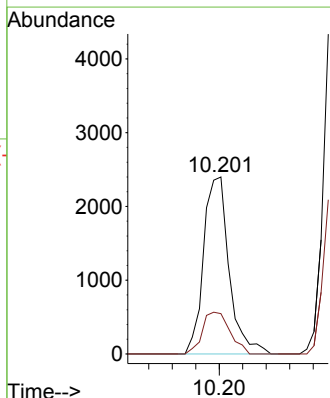
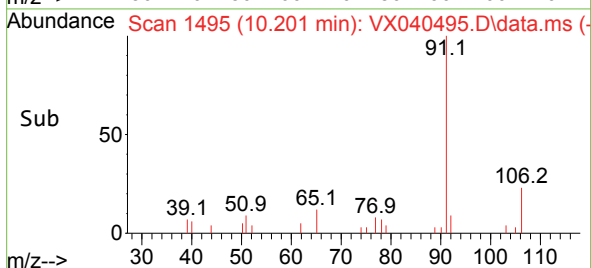
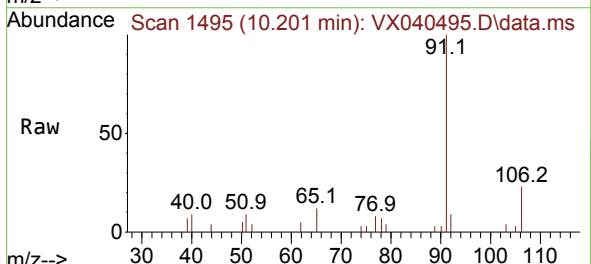


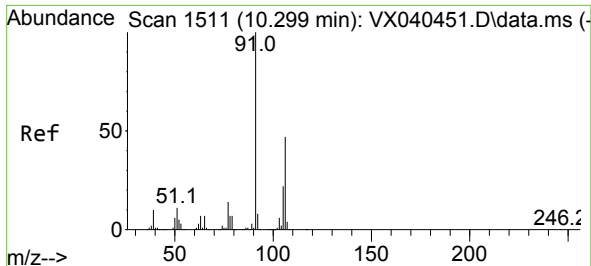
Tgt Ion:164 Resp: 193
Ion Ratio Lower Upper
164 100
166 170.5 102.7 154.1#
129 138.0 80.4 120.6#
131 196.1 76.5 114.7#



#67
Ethyl Benzene
Concen: 0.778 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.012 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 91 Resp: 3625
Ion Ratio Lower Upper
91 100
106 22.8 24.9 37.3#

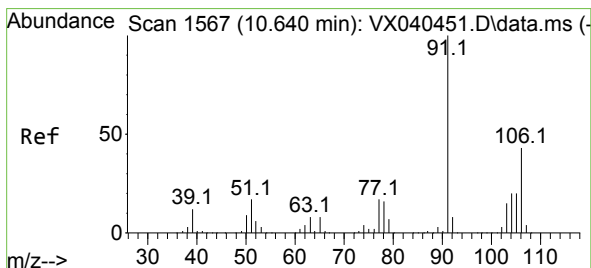
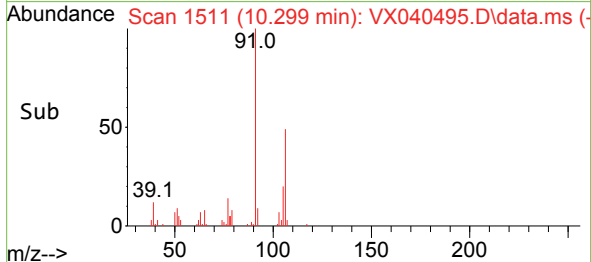
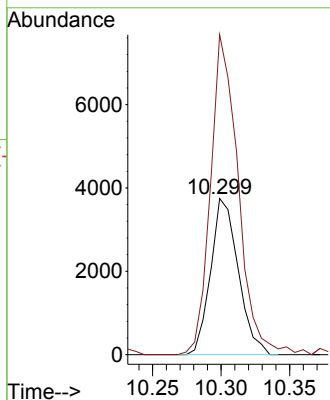
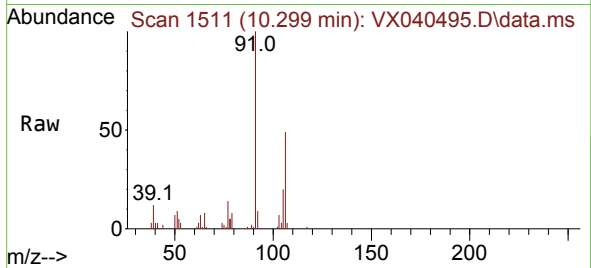




#68
m/p-Xylenes
Concen: 3.020 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

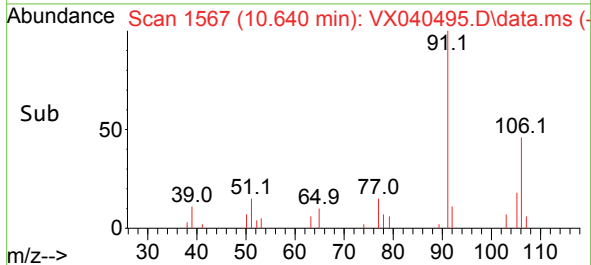
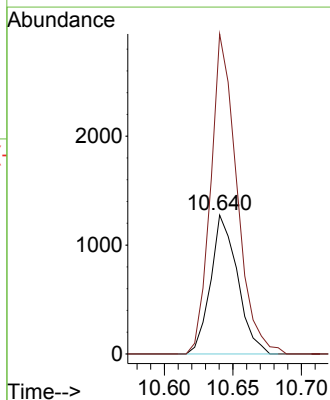
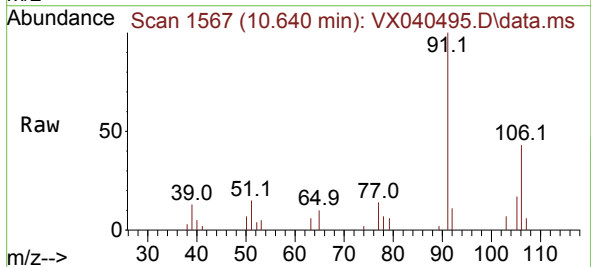
Instrument :
MSVOA_X
ClientSampleId :
1848

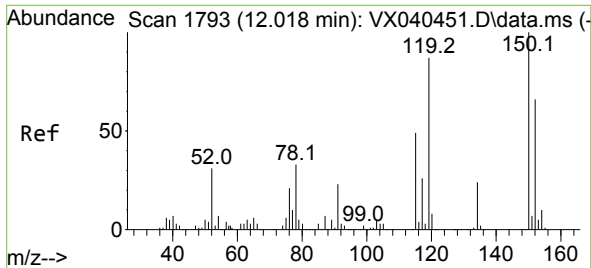
Tgt Ion:106 Resp: 5252
Ion Ratio Lower Upper
106 100
91 206.1 165.5 248.3



#69
o-Xylene
Concen: 1.047 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion:106 Resp: 1741
Ion Ratio Lower Upper
106 100
91 224.1 108.9 326.8

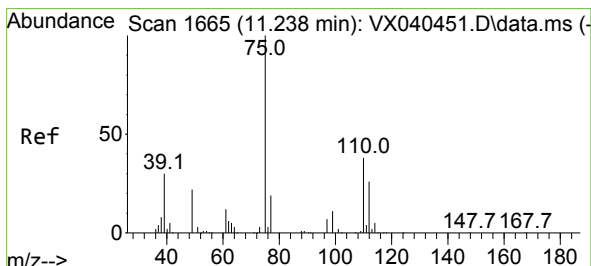
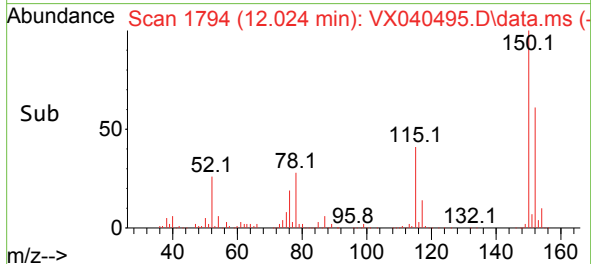
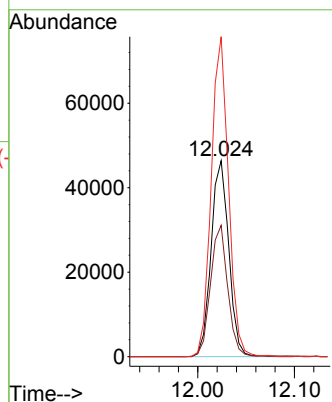
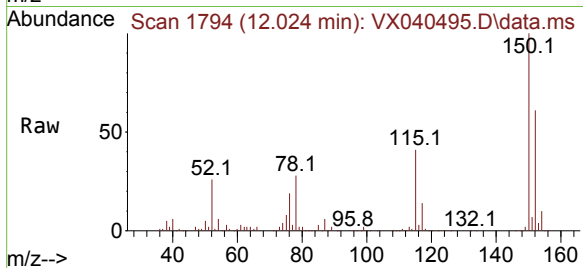




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

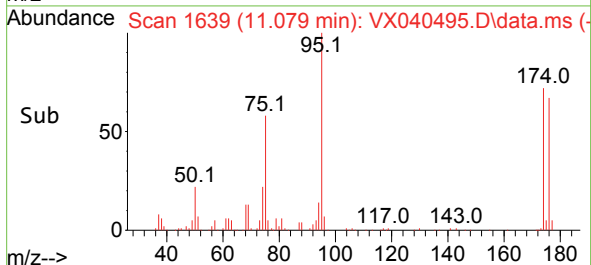
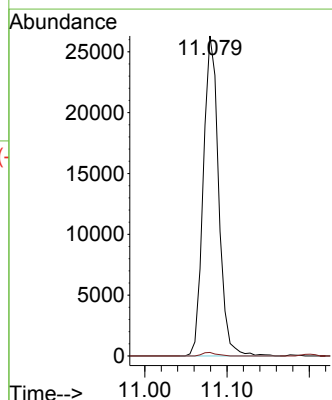
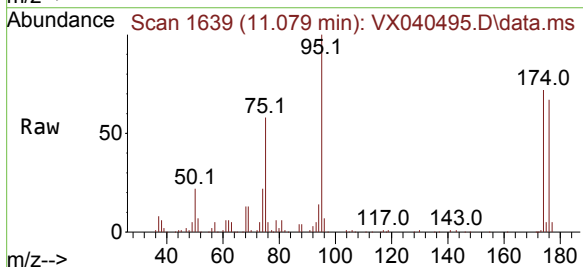
Instrument :
MSVOA_X
ClientSampleId :
1848

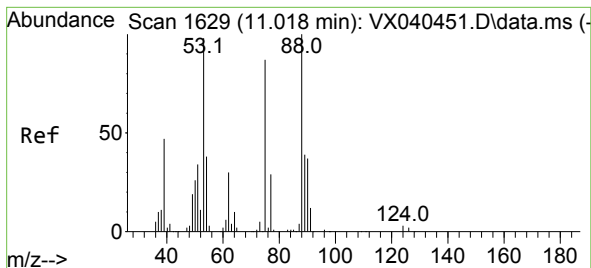
Tgt Ion:152 Resp: 59142
Ion Ratio Lower Upper
152 100
115 65.3 43.3 129.9
150 159.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 26.291 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 75 Resp: 34221
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#

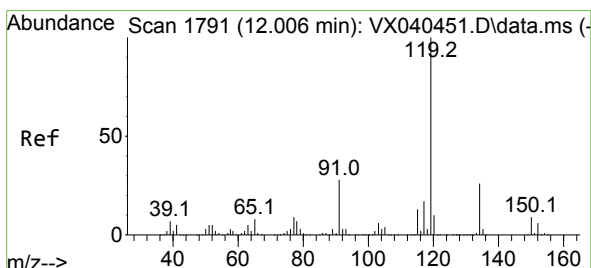
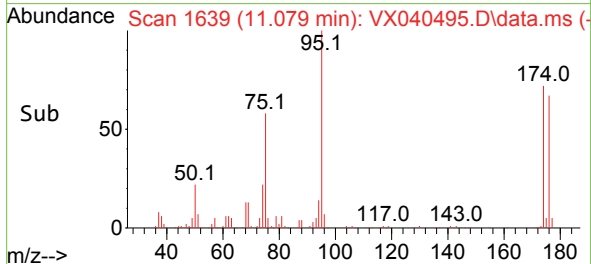
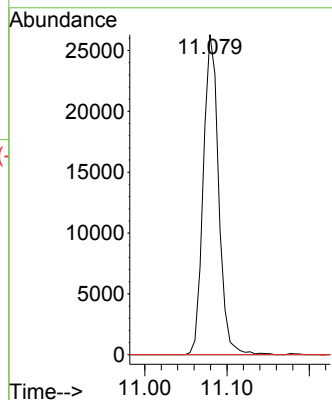
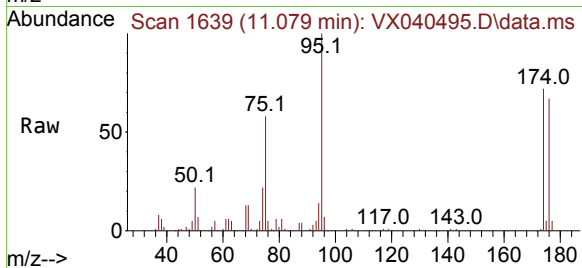




#81
trans-1,4-Dichloro-2-butene
Concen: 76.459 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

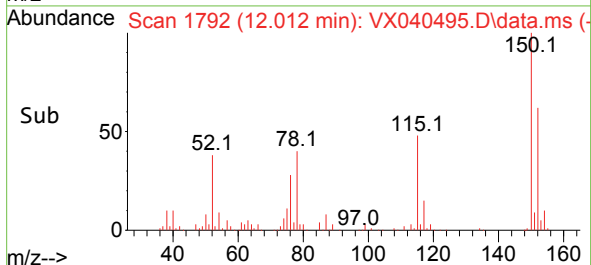
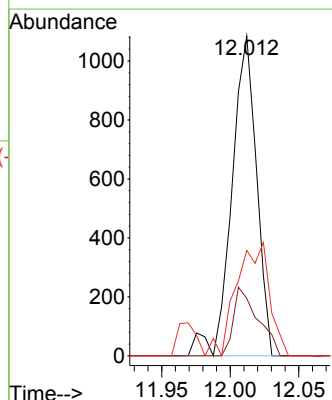
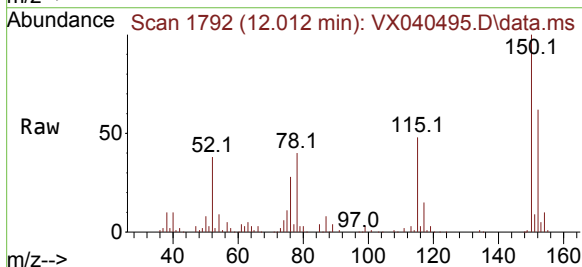
Instrument :
MSVOA_X
ClientSampleId :
1848

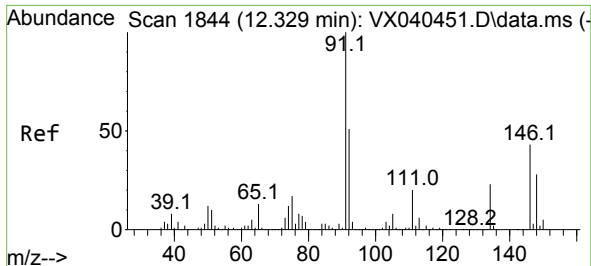
Tgt Ion: 75 Resp: 34221
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.361 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 119 Resp: 1366
Ion Ratio Lower Upper
119 100
134 21.2 12.8 38.3
91 47.4 13.1 39.3#

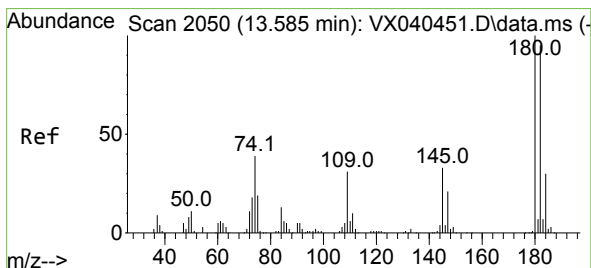
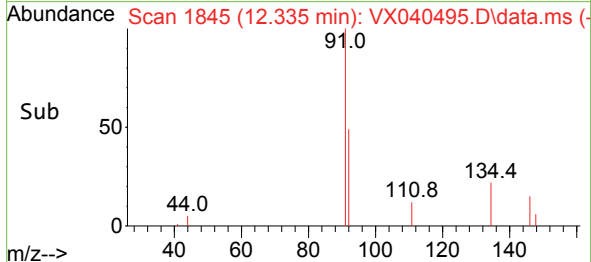
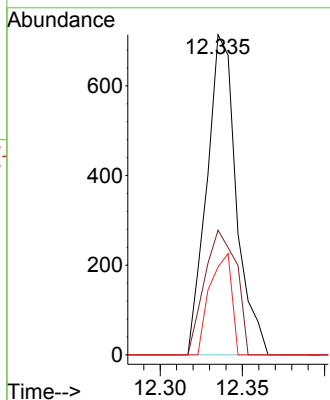
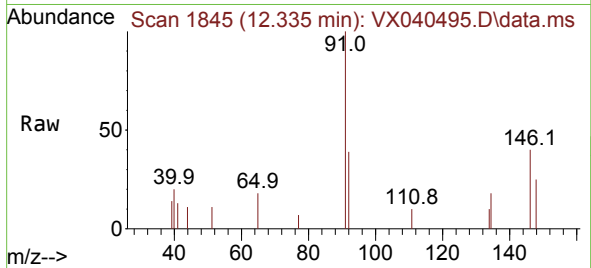




#89
n-Butylbenzene
Concen: 0.239 ug/l
RT: 12.335 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

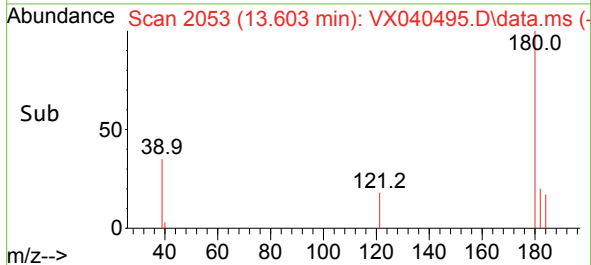
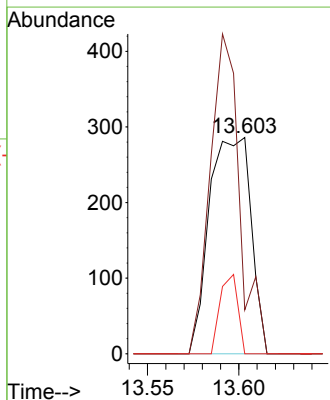
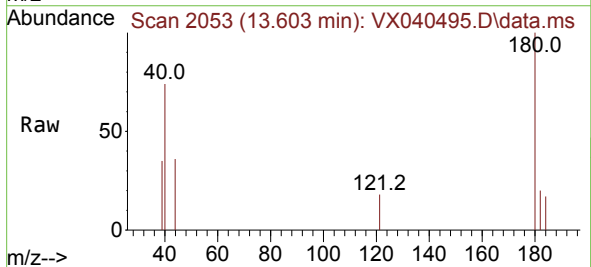
Instrument :
MSVOA_X
ClientSampleId :
1848

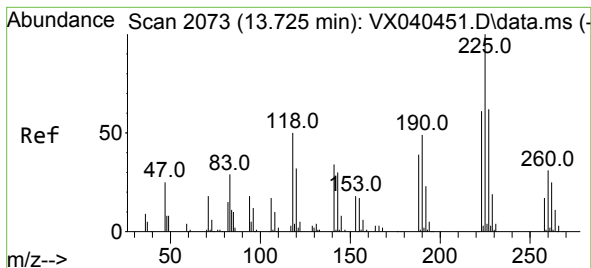
Tgt Ion: 91 Resp: 891
Ion Ratio Lower Upper
91 100
92 41.8 27.4 82.0
134 23.2 12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.356 ug/l
RT: 13.603 min Scan# 2053
Delta R.T. 0.018 min
Lab File: VX040495.D
Acq: 27 Feb 2024 17:22

Tgt Ion: 180 Resp: 454
Ion Ratio Lower Upper
180 100
182 104.4 48.3 144.8
145 15.6 18.0 54.0#





#94

Hexachlorobutadiene

Concen: 0.318 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX040495.D

Acq: 27 Feb 2024 17:22

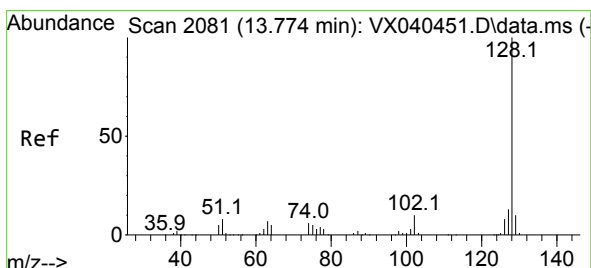
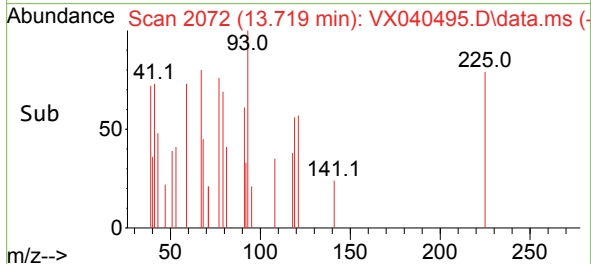
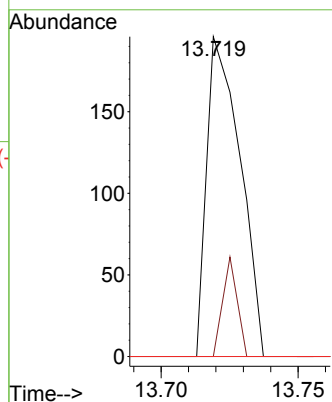
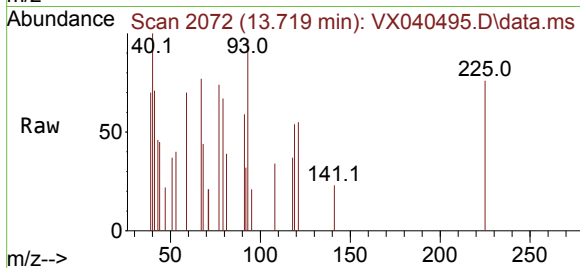
Instrument :

MSVOA_X

ClientSampleId :

1848

Tgt Ion:225	Resp:	166
Ion Ratio	Lower	Upper
225	100	
223	13.3	31.1 93.2#
227	0.0	32.5 97.5#



#95

Naphthalene

Concen: 0.276 ug/l

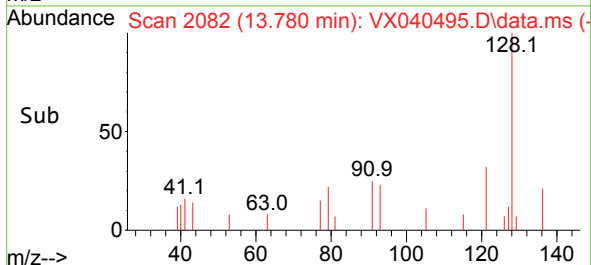
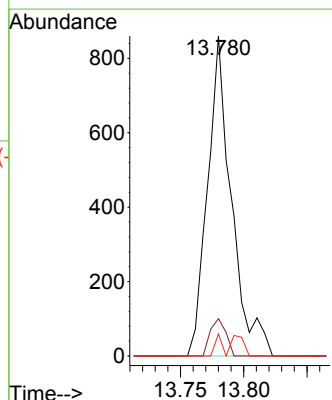
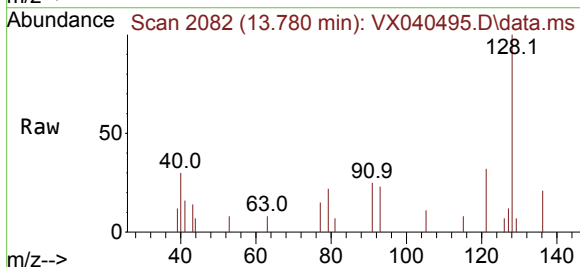
RT: 13.780 min Scan# 2082

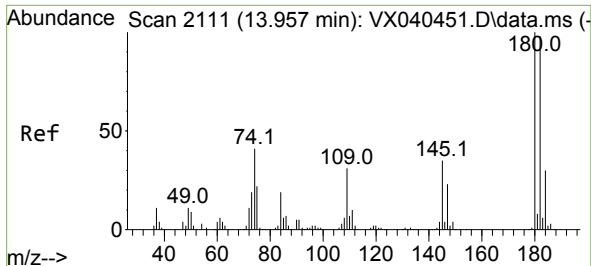
Delta R.T. 0.006 min

Lab File: VX040495.D

Acq: 27 Feb 2024 17:22

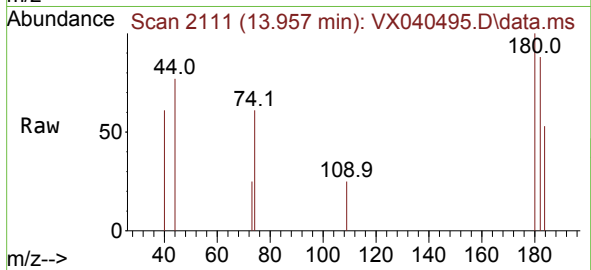
Tgt Ion:128	Resp:	1127
Ion Ratio	Lower	Upper
128	100	
127	7.6	10.3 15.5#
129	2.0	8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. -0.000 min
 Lab File: VX040495.D
 Acq: 27 Feb 2024 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 1848



Tgt Ion:180 Resp: 295
 Ion Ratio Lower Upper
 180 100
 182 111.5 46.9 140.6
 145 11.9 17.8 53.5#

