

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050323\
 Data File : VX035497.D
 Acq On : 03 May 2023 10:11
 Operator : JC/MD
 Sample : VX0503MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBL01

Quant Time: May 03 15:17:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

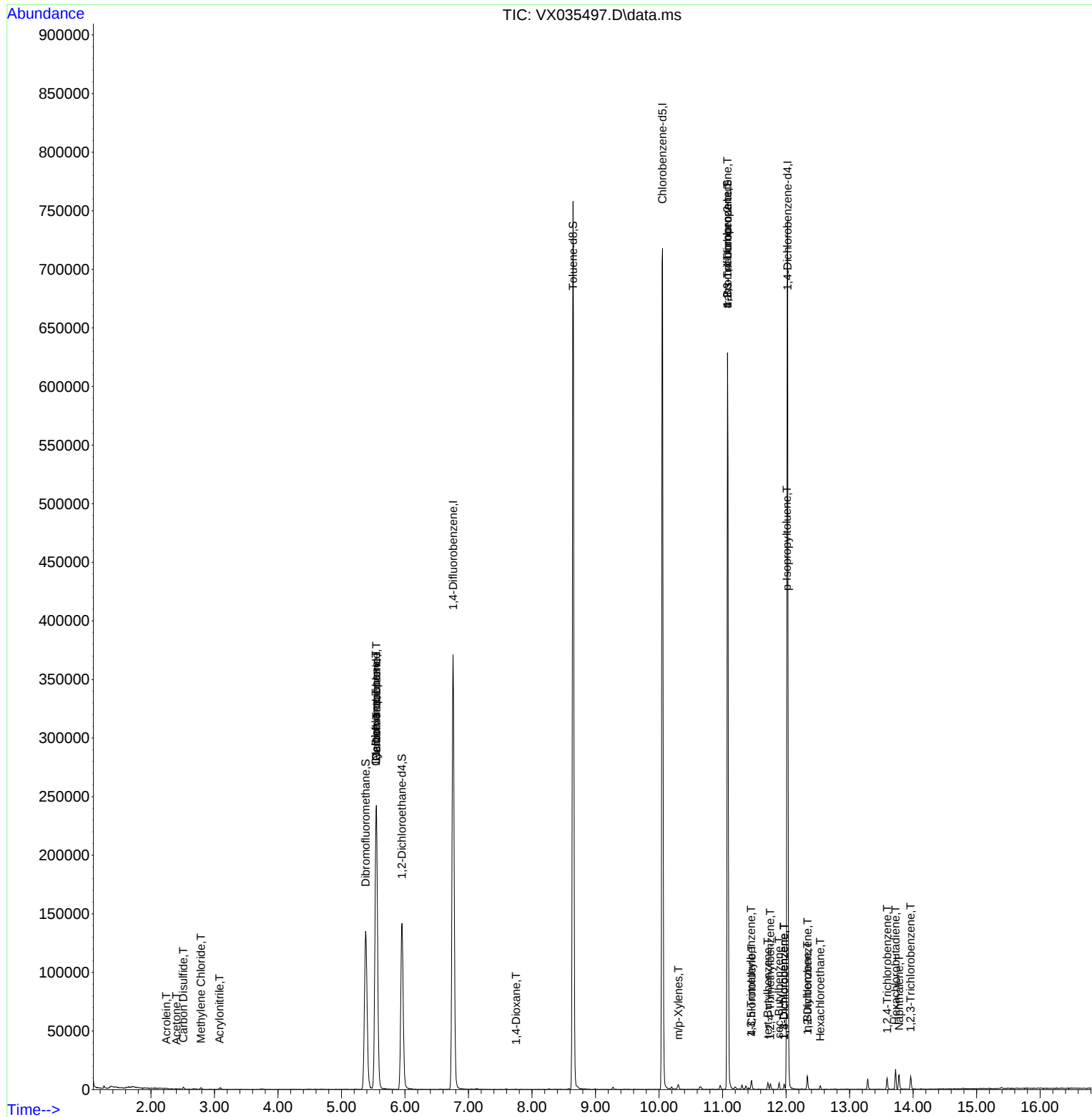
Internal Standards						
1) Pentafluorobenzene	5.549	168	241197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	392482	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	348068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	139983	48.106	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.220%		
35) Dibromofluoromethane	5.379	113	120142	49.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.740%		
50) Toluene-d8	8.646	98	453926	49.952	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.900%		
62) 4-Bromofluorobenzene	11.079	95	172582	50.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.960%		
Target Compounds					Qvalue	
13) Acrolein	2.239	56	427	0.819	ug/l #	79
15) Acrylonitrile	3.080	53	504	0.380	ug/l #	77
16) Acetone	2.398	43	564	0.446	ug/l	97
17) Carbon Disulfide	2.507	76	2062	0.367	ug/l #	85
20) Methylene Chloride	2.788	84	786	0.271	ug/l #	75
31) Cyclohexane	5.543	56	4396	1.065	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	17598	4.679	ug/l #	50
38) Carbon Tetrachloride	5.549	117	23618	6.614	ug/l #	17
49) 1,4-Dioxane	7.750	88	44	0.637	ug/l #	23
68) m/p-Xylenes	10.305	106	1115	0.223	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	83730	25.489	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	2237	0.220	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	83730	82.553	ug/l #	8
82) 4-Chlorotoluene	11.457	91	2163	0.223	ug/l	95
83) tert-Butylbenzene	11.713	119	2593	0.255	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	2305	0.226	ug/l	90
85) sec-Butylbenzene	11.890	105	3288	0.263	ug/l	92
86) p-Isopropyltoluene	12.012	119	3220	0.303	ug/l	88
87) 1,3-Dichlorobenzene	11.969	146	1667	0.293	ug/l	98
88) 1,4-Dichlorobenzene	11.969	146	1667	0.280	ug/l	98
89) n-Butylbenzene	12.335	91	3141	0.350	ug/l	94
90) Hexachloroethane	12.536	117	375	0.231	ug/l	67
91) 1,2-Dichlorobenzene	12.341	146	1569	0.276	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	2708	0.757	ug/l	96
94) Hexachlorobutadiene	13.725	225	2531	1.613	ug/l	93
95) Naphthalene	13.780	128	8913	0.810	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	2977	0.827	ug/l	91

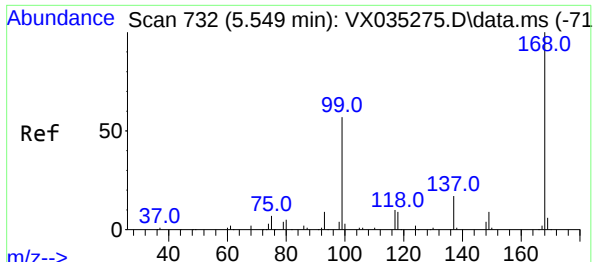
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050323\
Data File : VX035497.D
Acq On : 03 May 2023 10:11
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Sample : VX0503MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
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Instrument :
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ClientSampleId :
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Quant Time: May 03 15:17:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration

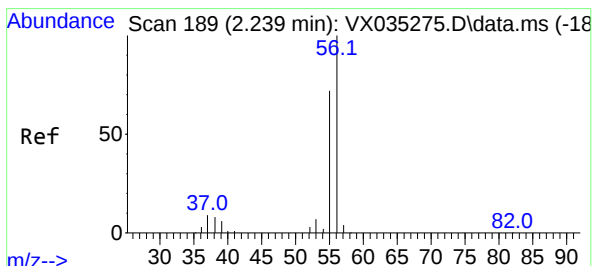
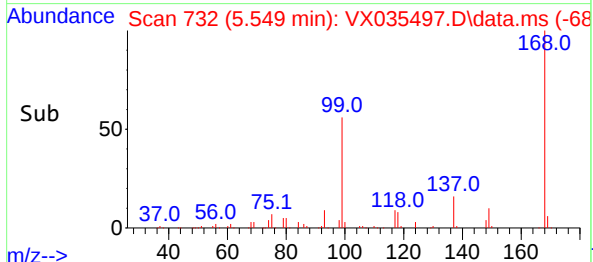
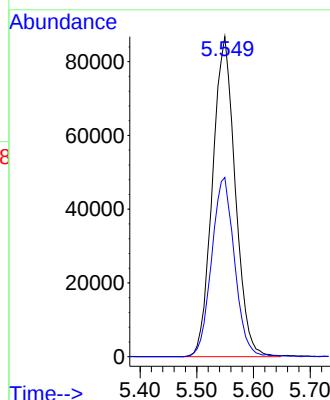
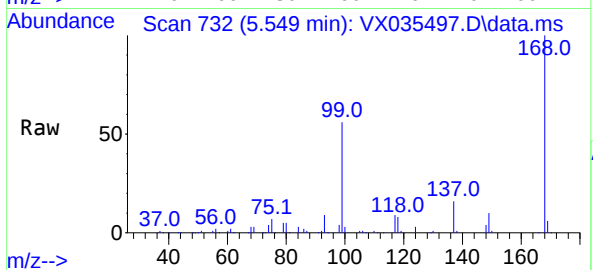




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

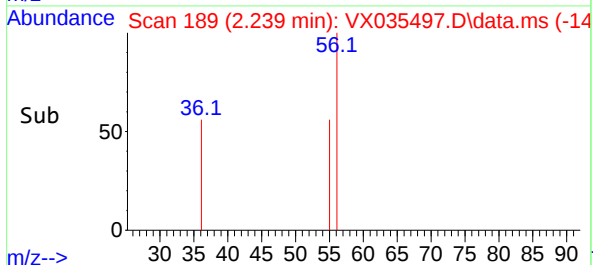
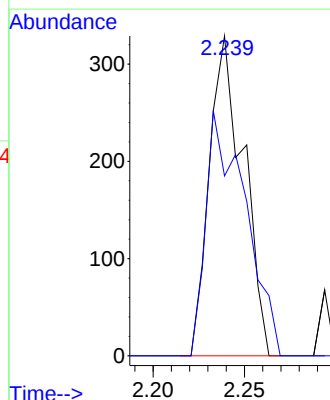
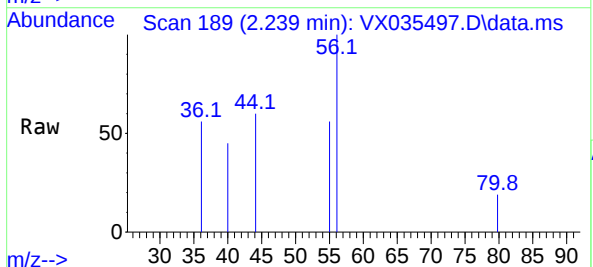
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

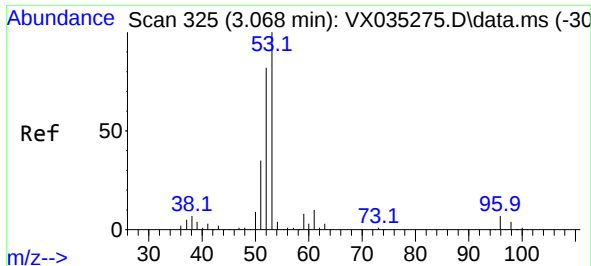
Tgt Ion:168 Resp: 241197
Ion Ratio Lower Upper
168 100
99 56.0 45.7 68.5



#13
Acrolein
Concen: 0.819 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion: 56 Resp: 427
Ion Ratio Lower Upper
56 100
55 88.5 56.6 85.0#

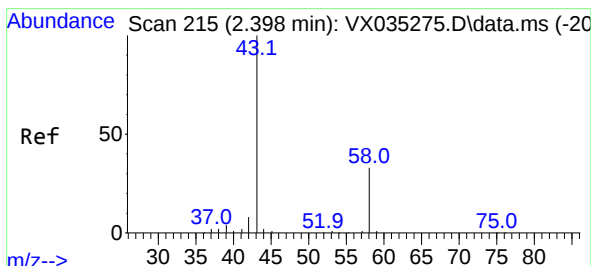
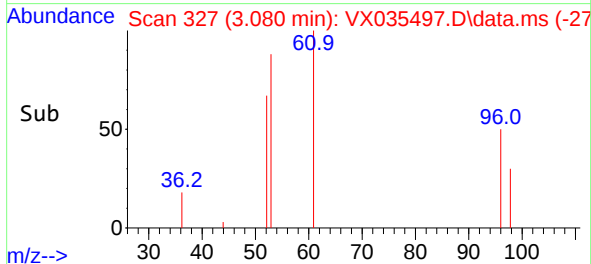
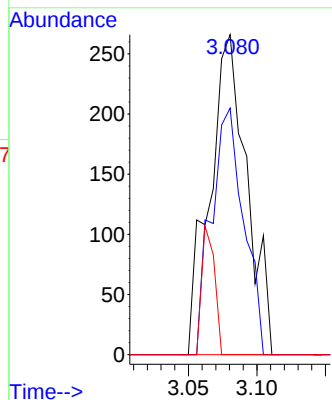
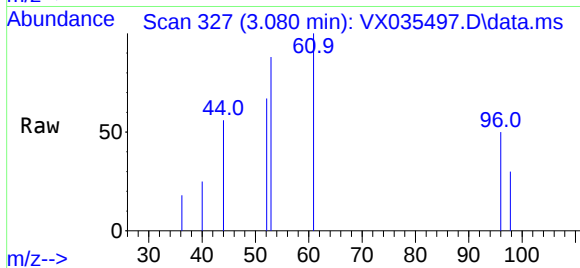




#15
Acrylonitrile
Concen: 0.380 ug/l
RT: 3.080 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

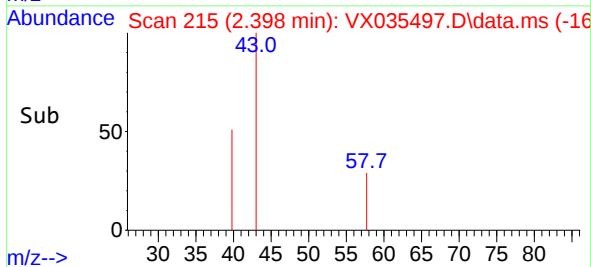
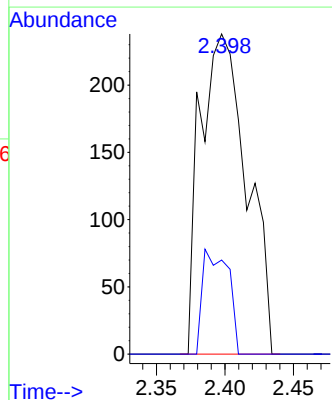
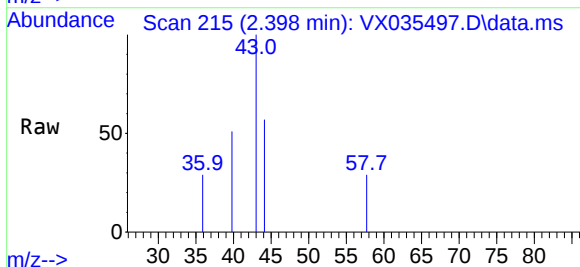
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

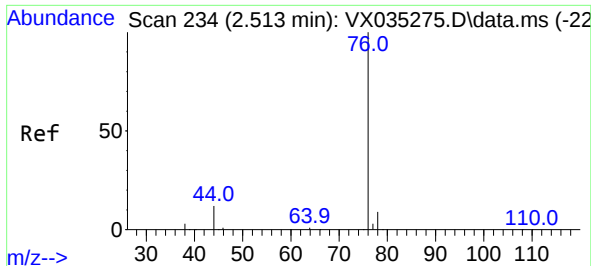
Tgt Ion: 53 Resp: 504
Ion Ratio Lower Upper
53 100
52 67.1 66.2 99.2
51 13.9 28.3 42.5#



#16
Acetone
Concen: 0.446 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 29.4 24.7 37.1





#17

Carbon Disulfide

Concen: 0.367 ug/l

RT: 2.507 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX035497.D

Acq: 03 May 2023 10:11

Instrument :

MSVOA_X

ClientSampleId :

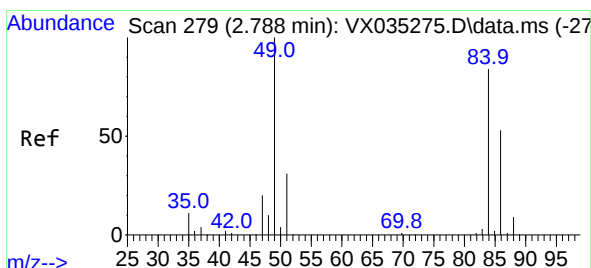
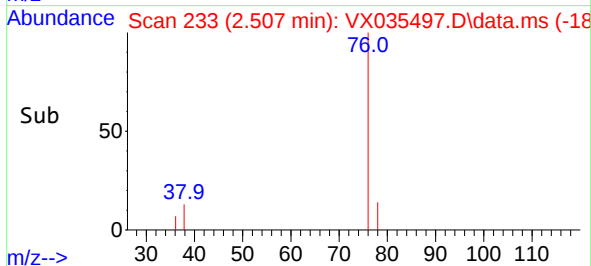
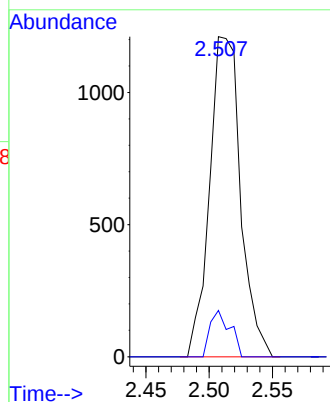
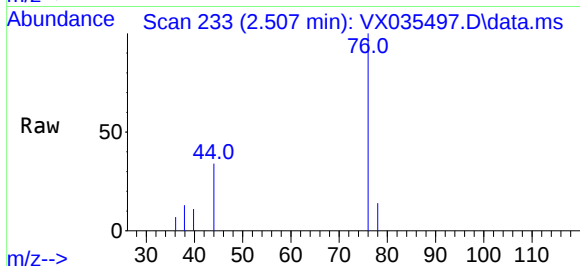
VX0503MBL01

Tgt Ion: 76 Resp: 2062

Ion Ratio Lower Upper

76 100

78 14.5 7.2 10.8#



#20

Methylene Chloride

Concen: 0.271 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035497.D

Acq: 03 May 2023 10:11

Tgt Ion: 84 Resp: 786

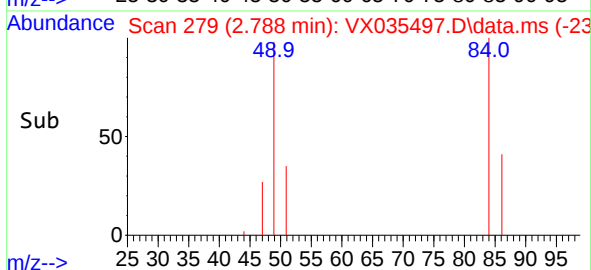
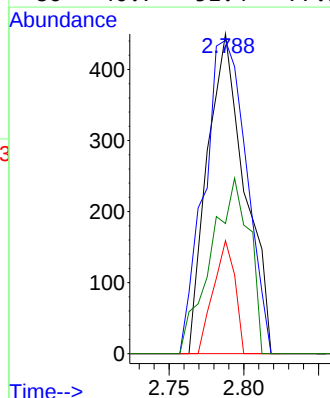
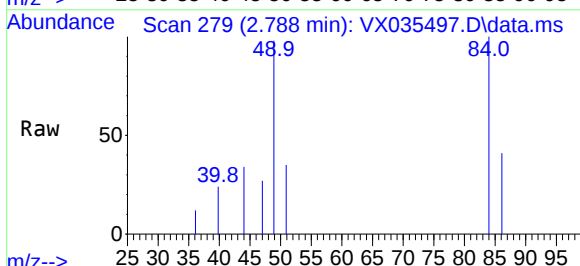
Ion Ratio Lower Upper

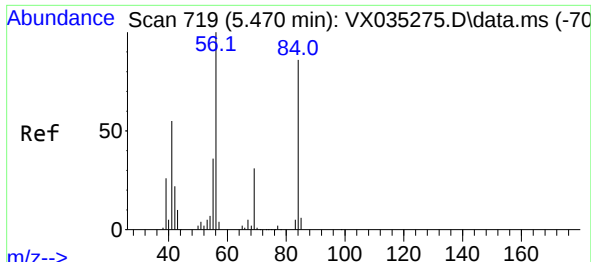
84 100

49 98.0 103.8 155.8#

51 35.3 31.8 47.8

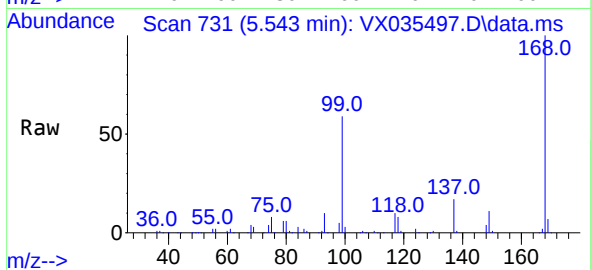
86 40.7 51.4 77.2#



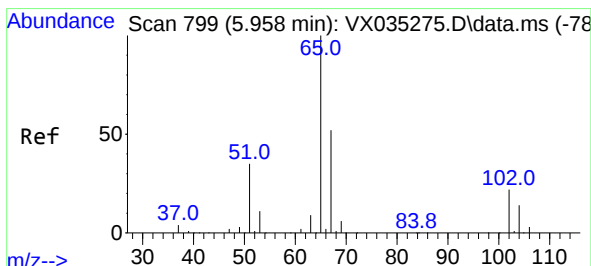
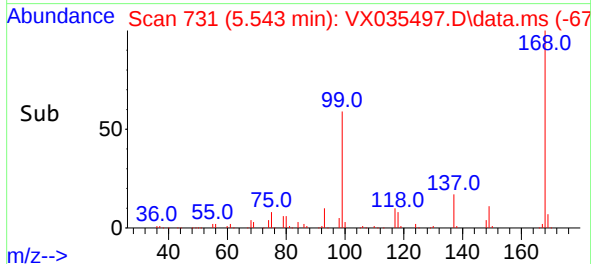
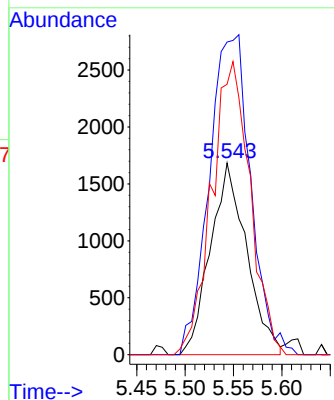


#31
Cyclohexane
Concen: 1.065 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

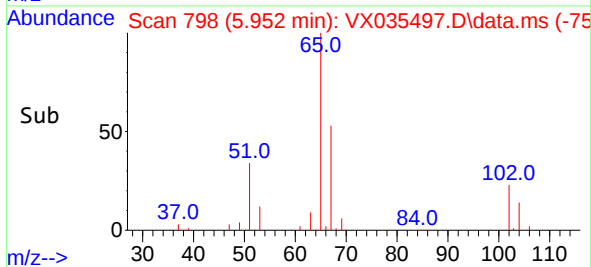
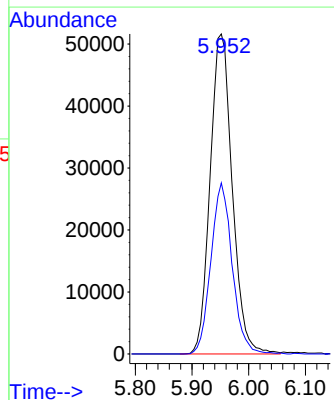
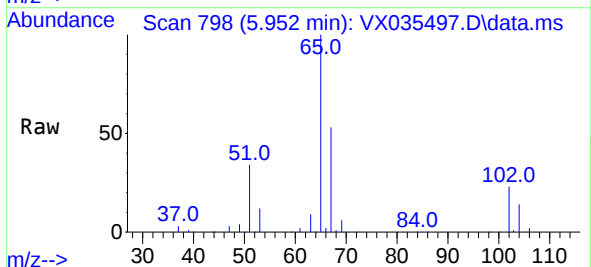


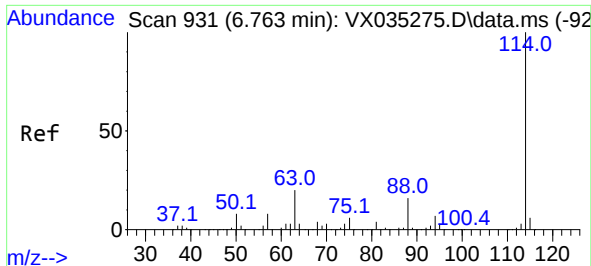
Tgt Ion: 56 Resp: 4396
Ion Ratio Lower Upper
56 100
69 163.1 23.7 35.5#
84 138.1 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.106 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion: 65 Resp: 139983
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0

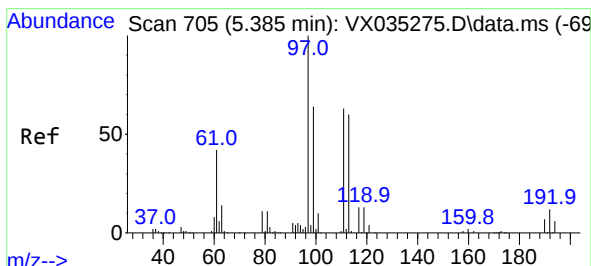
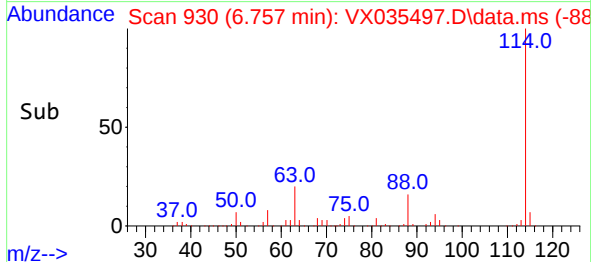
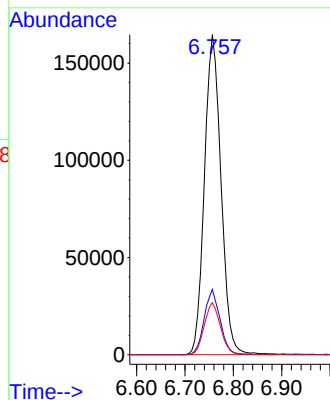
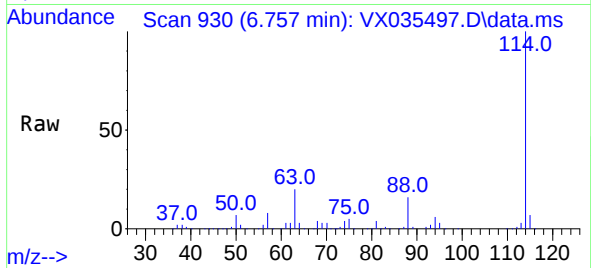




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

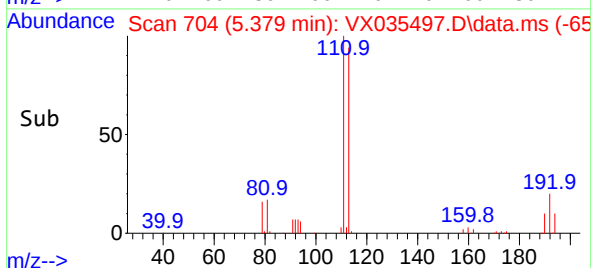
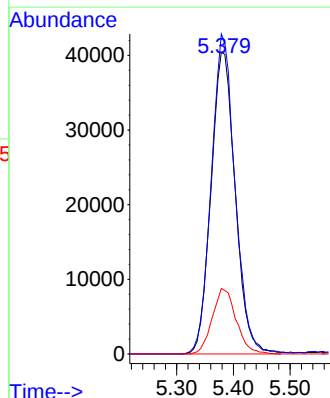
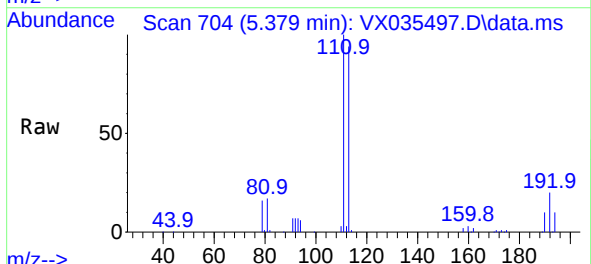
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MSVOA_X
ClientSampleId :
VX0503MBL01

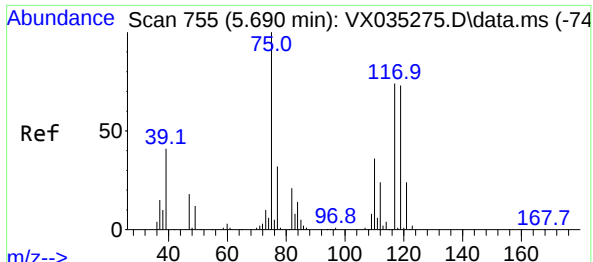
Tgt Ion:114 Resp: 392482
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.2
88 16.2 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.873 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion:113 Resp: 120142
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 21.4 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.679 ug/l

RT: 5.543 min Scan# 71

Delta R.T. -0.147 min

Lab File: VX035497.D

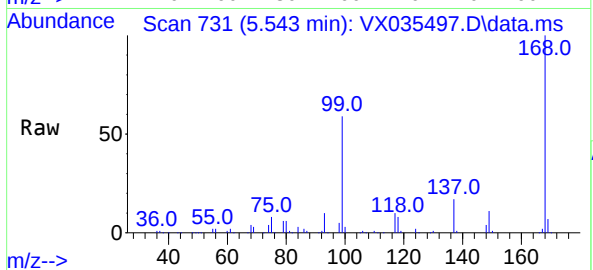
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Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01



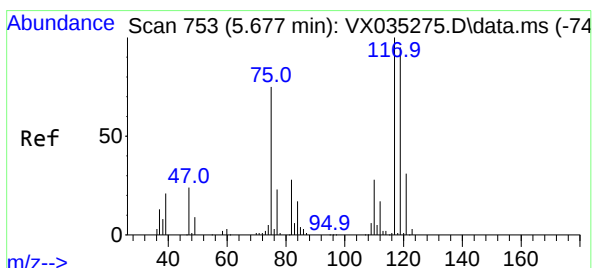
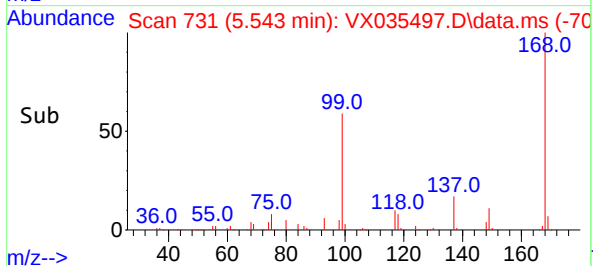
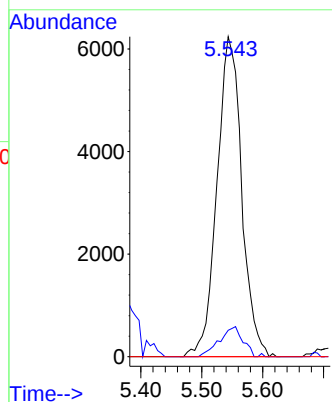
Tgt Ion: 75 Resp: 17598

Ion Ratio Lower Upper

75 100

110 8.9 17.5 52.5#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 6.614 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX035497.D

Acq: 03 May 2023 10:11

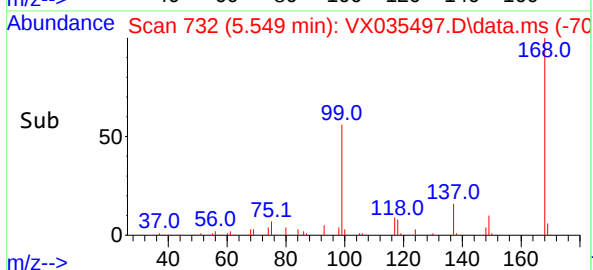
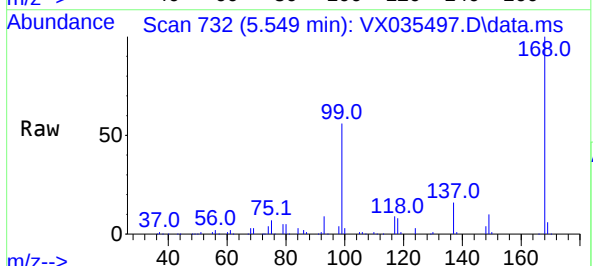
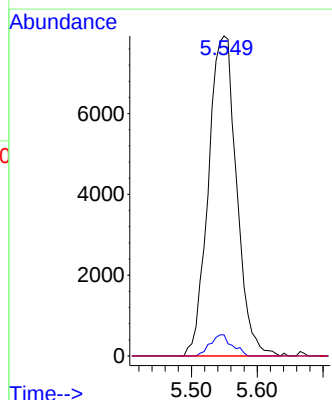
Tgt Ion: 117 Resp: 23618

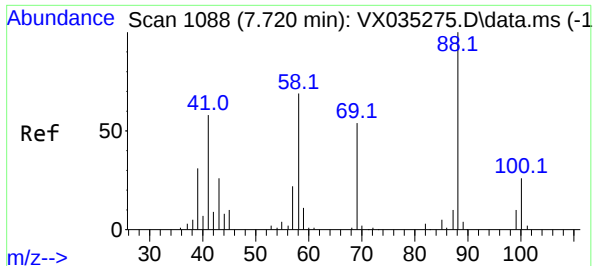
Ion Ratio Lower Upper

117 100

119 6.6 76.6 114.8#

121 0.0 23.8 35.6#

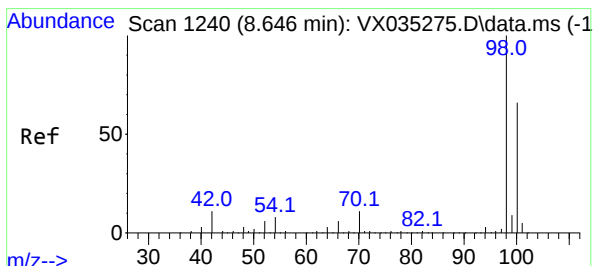
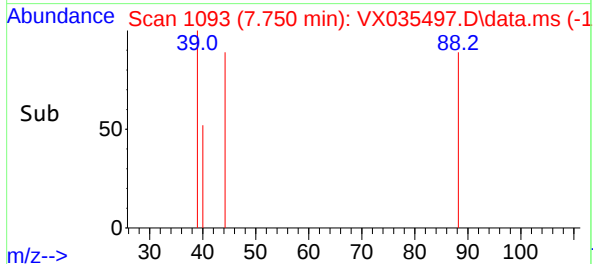
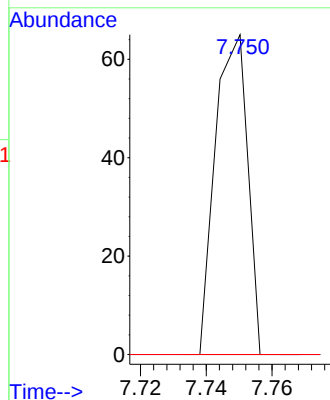
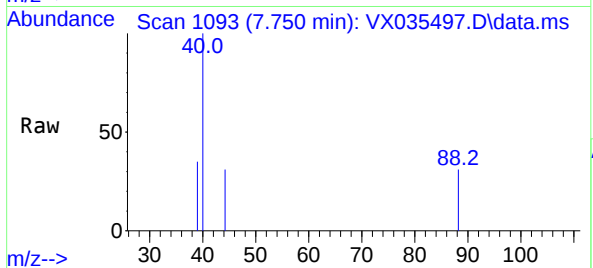




#49
1,4-Dioxane
Concen: 0.637 ug/l
RT: 7.750 min Scan# 1088
Delta R.T. 0.030 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

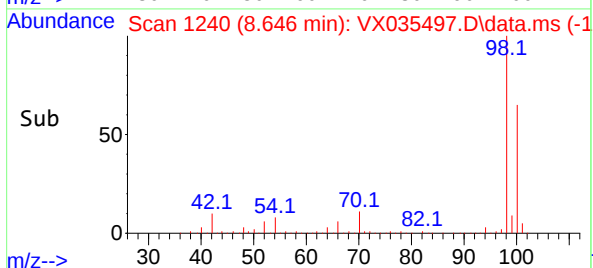
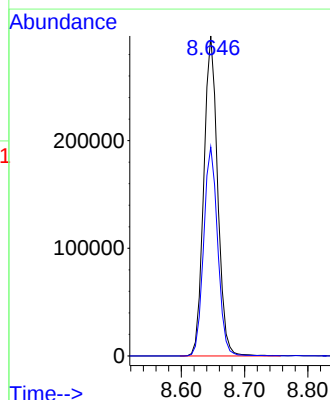
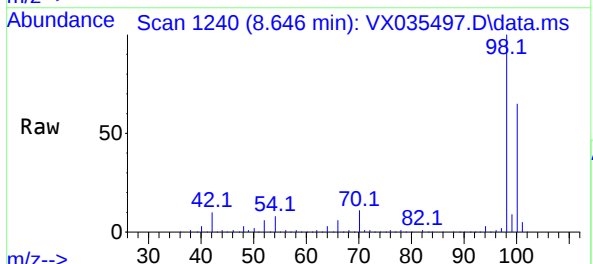
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

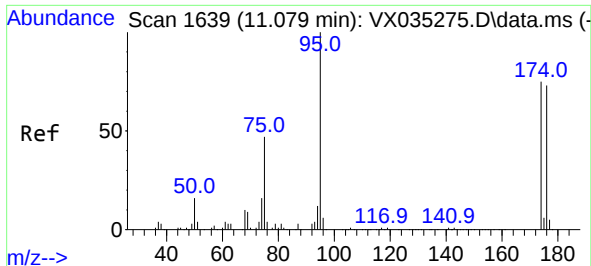
Tgt Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 0.0 56.8 85.2#



#50
Toluene-d8
Concen: 49.952 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion: 98 Resp: 453926
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7

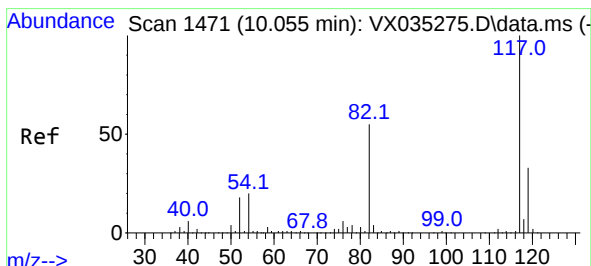
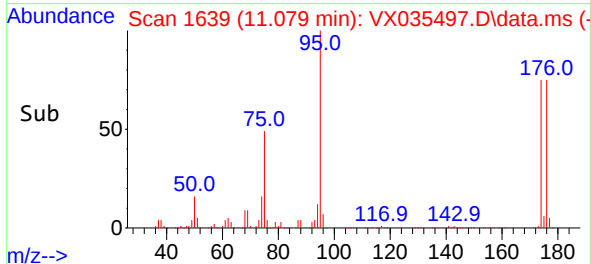
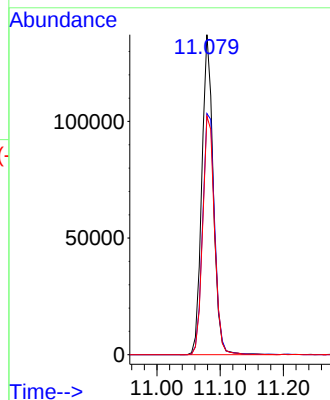
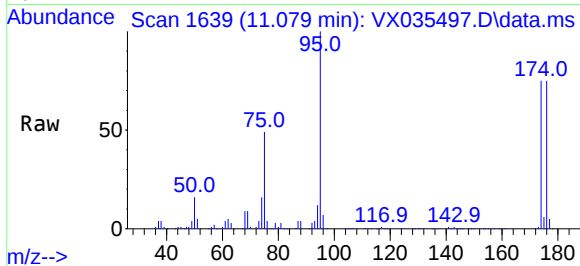




#62
4-Bromofluorobenzene
Concen: 50.485 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

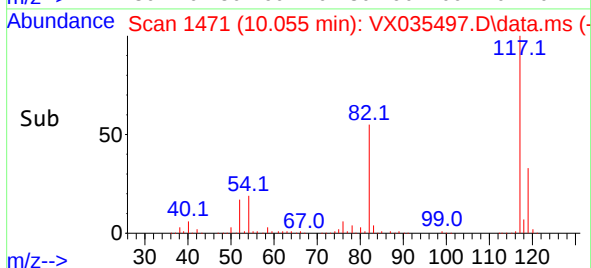
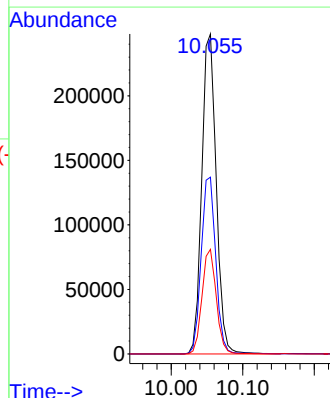
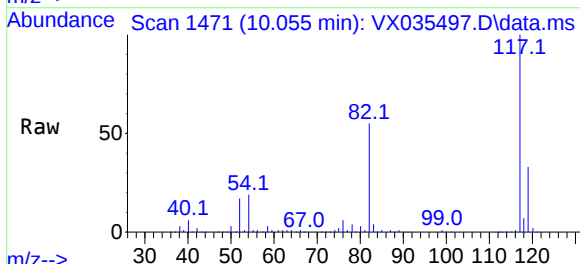
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

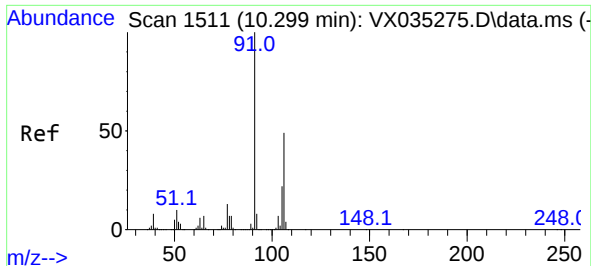
Tgt Ion: 95 Resp: 172582
Ion Ratio Lower Upper
95 100
174 79.9 0.0 147.4
176 77.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion: 117 Resp: 348068
Ion Ratio Lower Upper
117 100
82 55.2 45.0 67.4
119 32.7 26.0 39.0

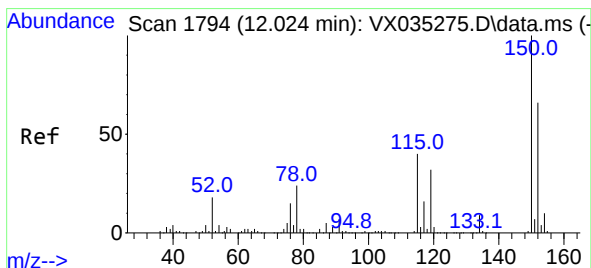
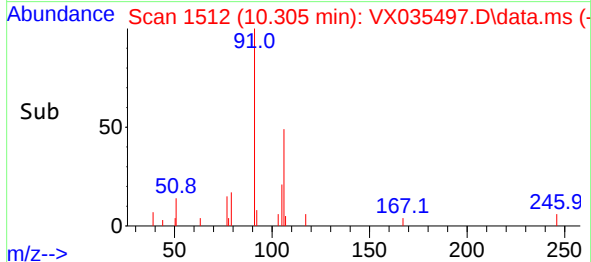
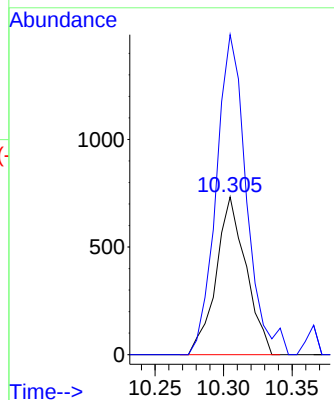
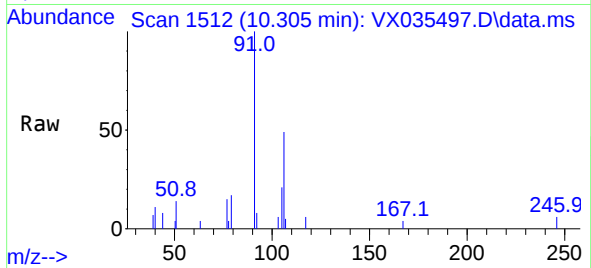




#68
m/p-Xylenes
Concen: 0.223 ug/l
RT: 10.305 min Scan# 1115
Delta R.T. 0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

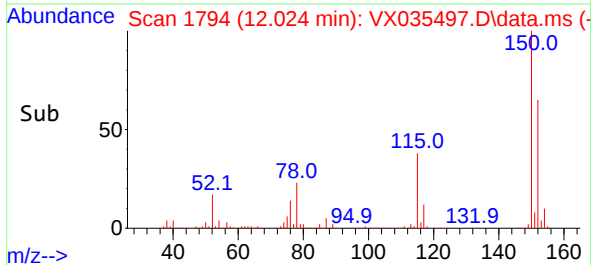
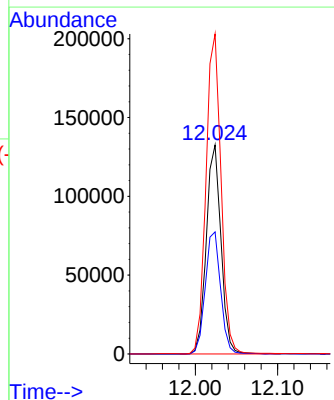
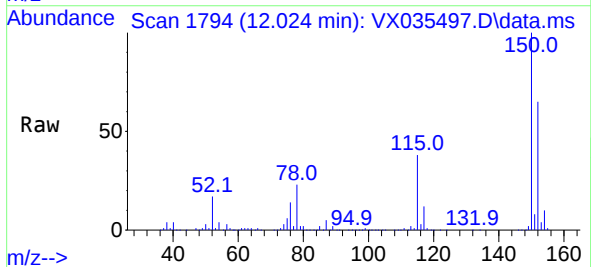
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

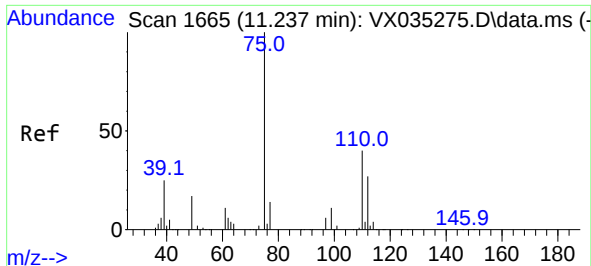
Tgt Ion:106 Resp: 1115
Ion Ratio Lower Upper
106 100
91 204.4 164.0 246.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion:152 Resp: 164679
Ion Ratio Lower Upper
152 100
115 60.9 45.0 135.0
150 156.8 0.0 352.4

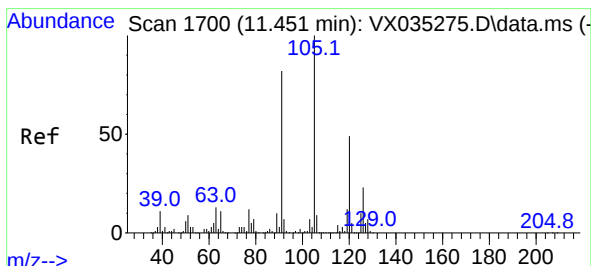
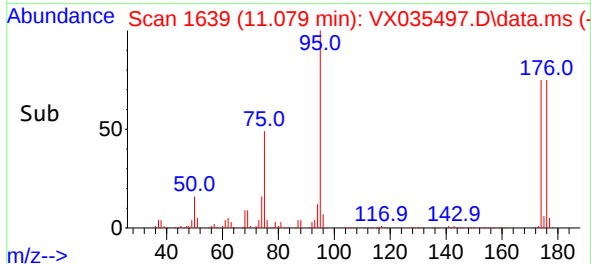
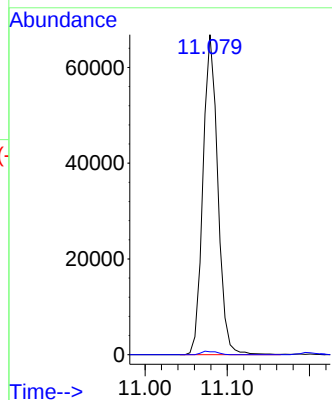
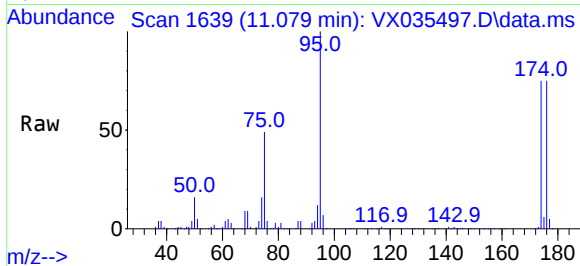




#76
1,2,3-Trichloropropane
Concen: 25.489 ug/l
RT: 11.079 min Scan# 1665
Delta R.T. -0.158 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

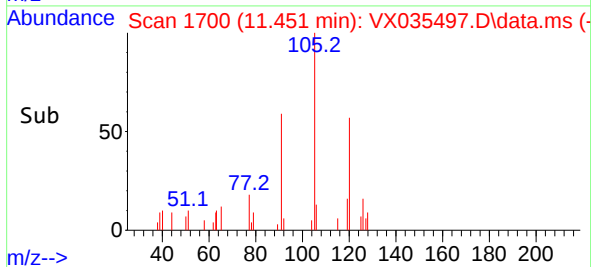
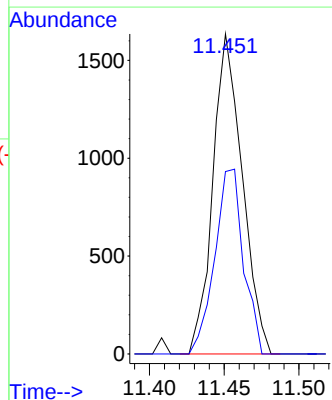
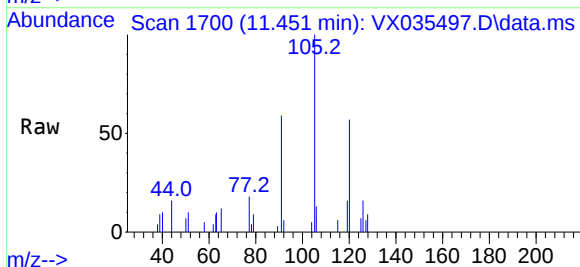
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

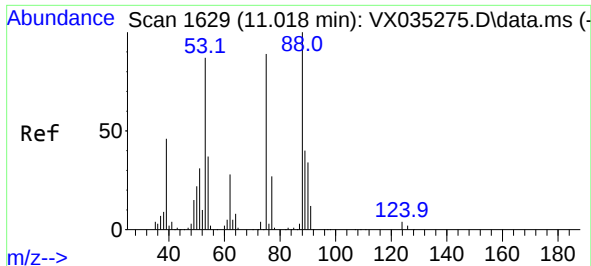
Tgt Ion: 75 Resp: 83730
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.220 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion:105 Resp: 2237
Ion Ratio Lower Upper
105 100
120 56.3 23.7 71.1

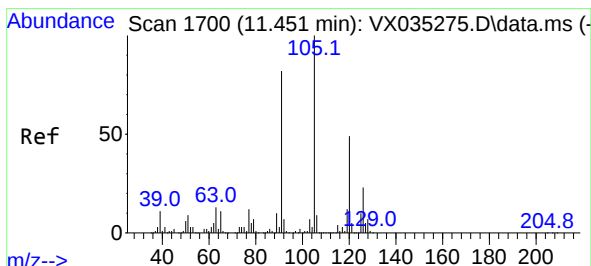
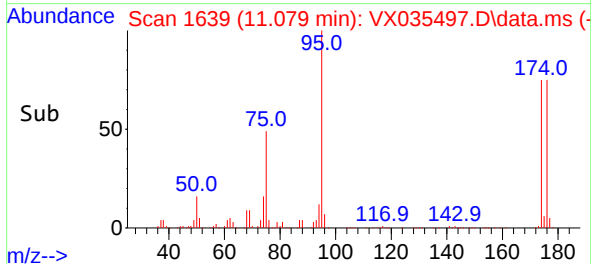
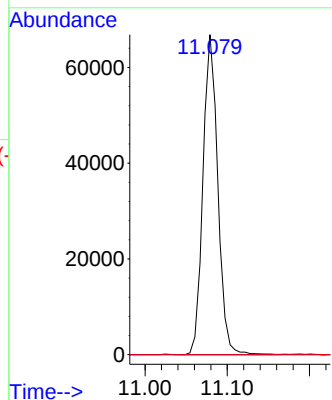
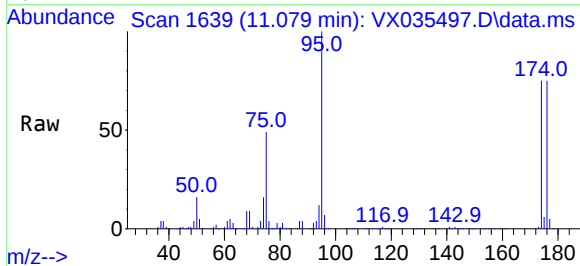




#81
trans-1,4-Dichloro-2-butene
Concen: 82.553 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

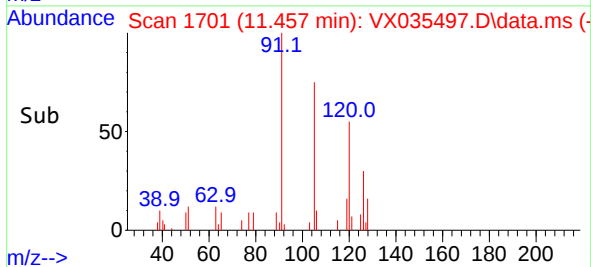
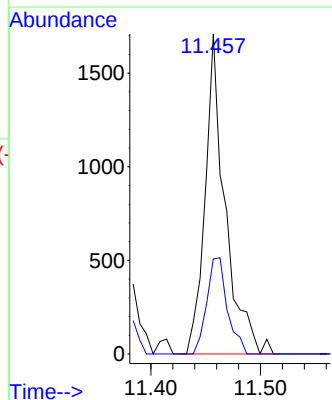
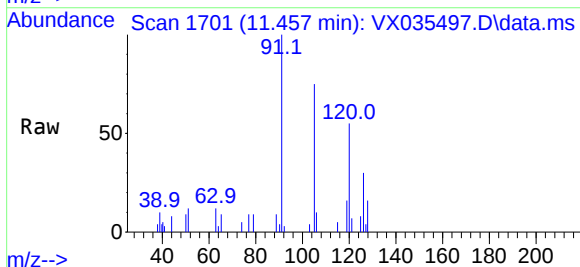
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

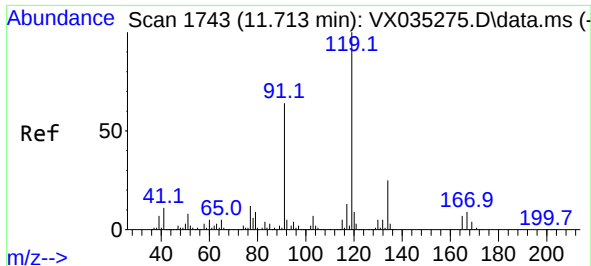
Tgt Ion: 75 Resp: 83730
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.223 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion: 91 Resp: 2163
Ion Ratio Lower Upper
91 100
126 30.9 14.2 42.6

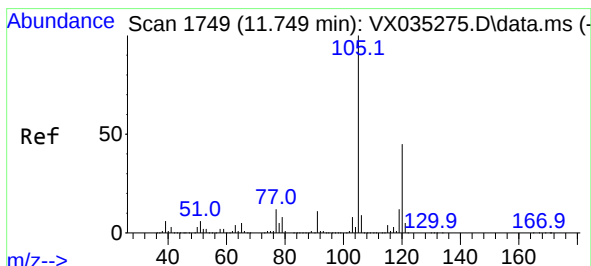
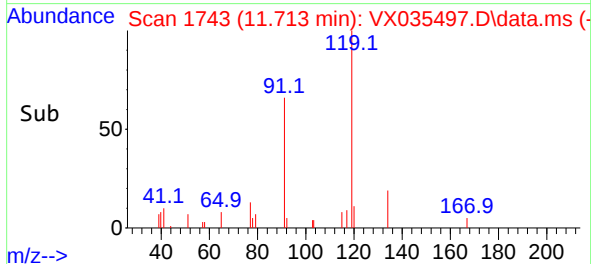
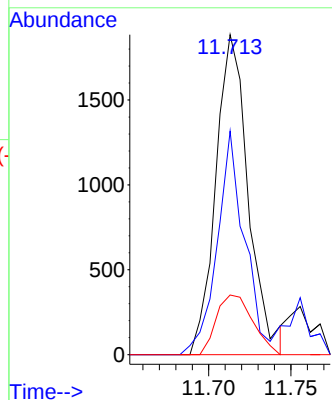
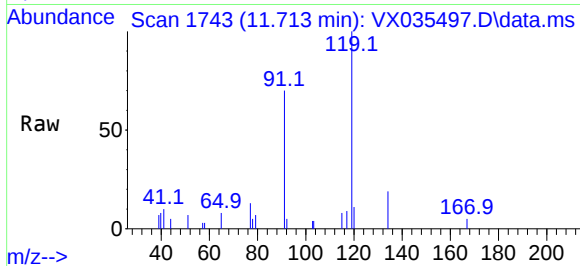




#83
tert-Butylbenzene
Concen: 0.255 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

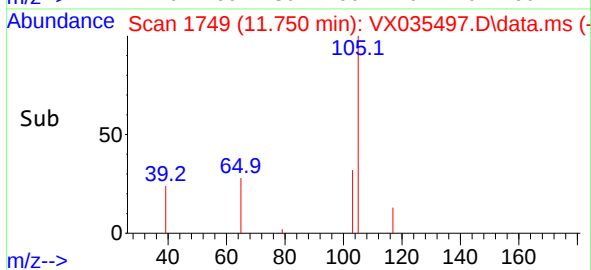
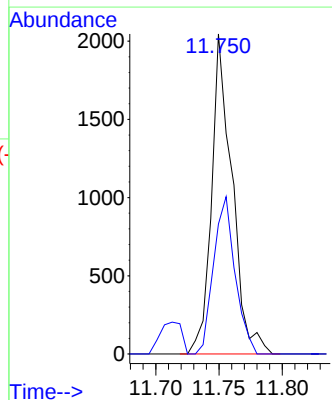
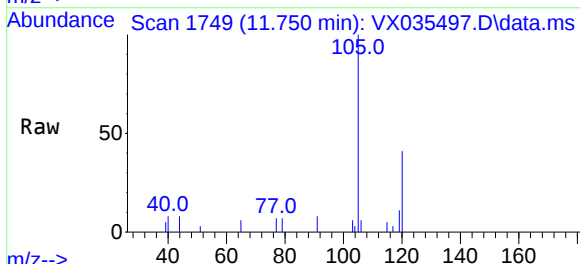
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

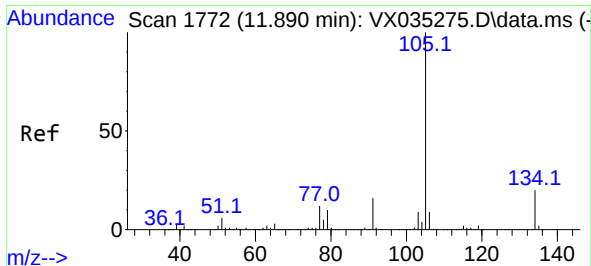
Tgt Ion:	119	Resp:	2593
Ion	Ratio	Lower	Upper
119	100		
91	58.8	30.6	92.0
134	20.8	11.8	35.4



#84
1,2,4-Trimethylbenzene
Concen: 0.226 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion:	105	Resp:	2305
Ion	Ratio	Lower	Upper
105	100		
120	51.5	22.4	67.0

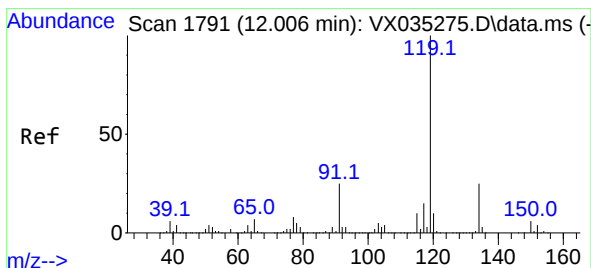
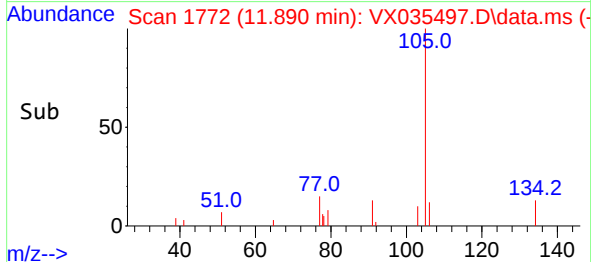
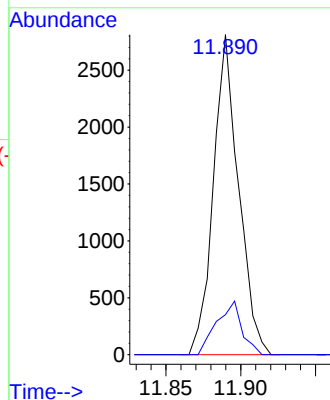
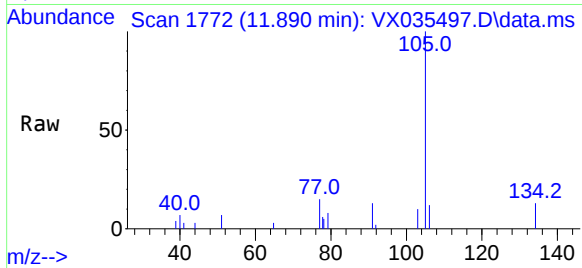




#85
 sec-Butylbenzene
 Concen: 0.263 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX035497.D
 Acq: 03 May 2023 10:11

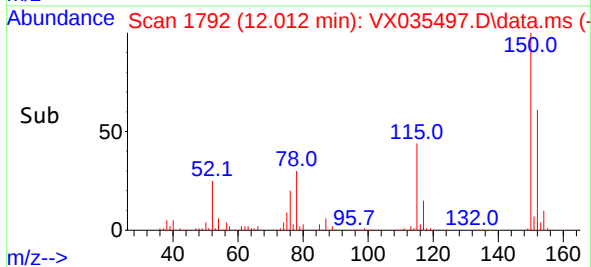
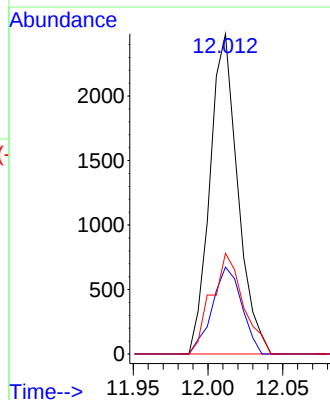
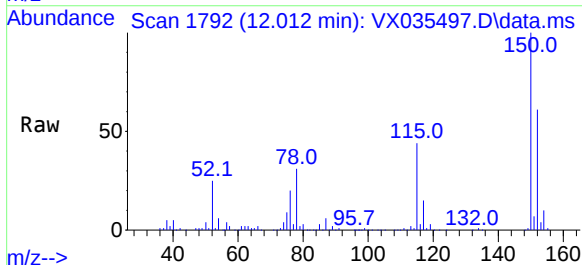
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBL01

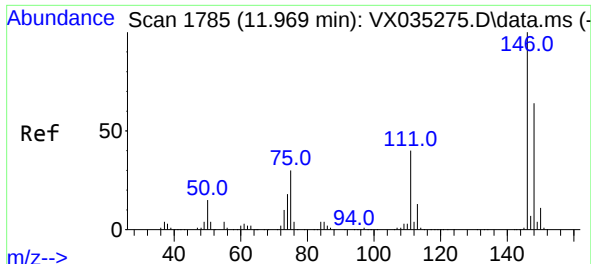
Tgt Ion:105 Resp: 3288
 Ion Ratio Lower Upper
 105 100
 134 16.8 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 0.303 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX035497.D
 Acq: 03 May 2023 10:11

Tgt Ion:119 Resp: 3220
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.2 39.5
 91 36.0 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 0.293 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX035497.D

Acq: 03 May 2023 10:11

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01

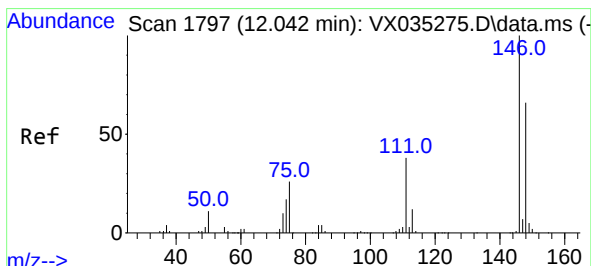
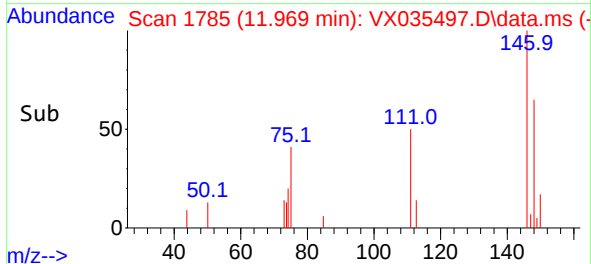
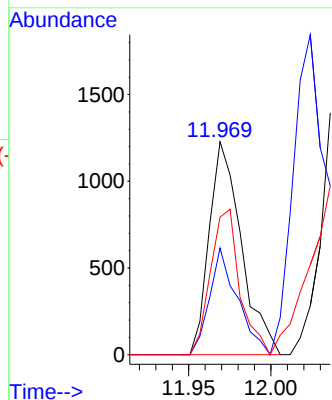
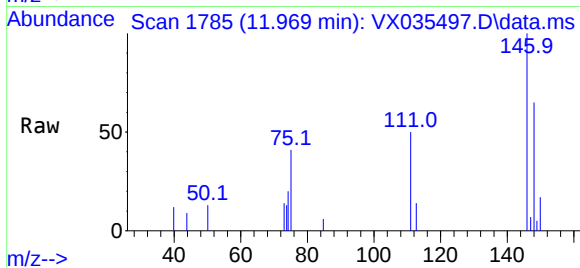
Tgt Ion:146 Resp: 1667

Ion Ratio Lower Upper

146 100

111 43.5 20.9 62.8

148 62.2 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.280 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.073 min

Lab File: VX035497.D

Acq: 03 May 2023 10:11

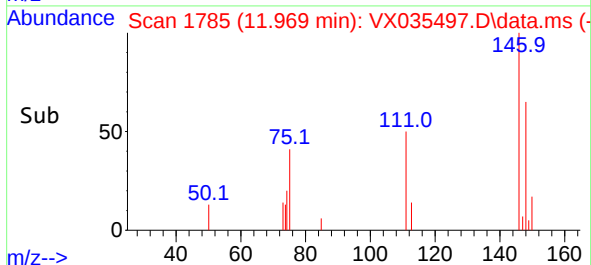
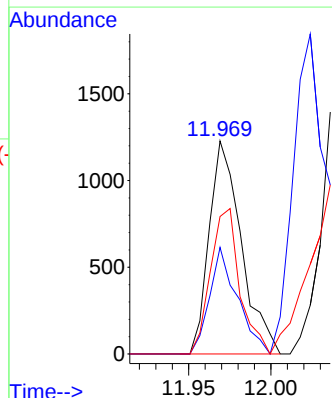
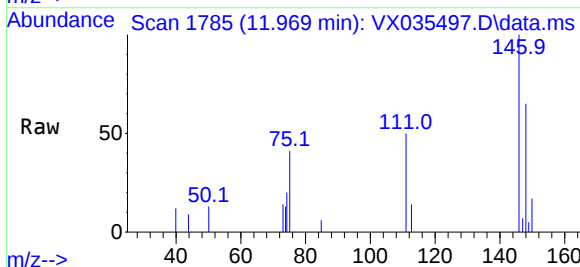
Tgt Ion:146 Resp: 1667

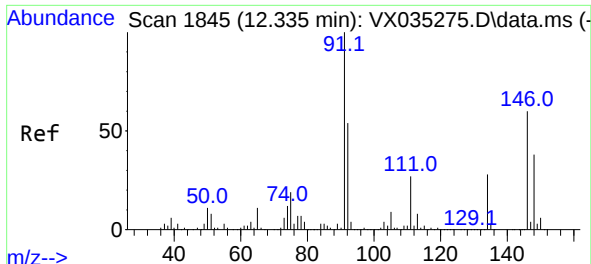
Ion Ratio Lower Upper

146 100

111 43.5 20.6 61.9

148 62.2 31.8 95.4





#89

n-Butylbenzene

Concen: 0.350 ug/l

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035497.D

Acq: 03 May 2023 10:11

Instrument :

MSVOA_X

ClientSampleId :

VX0503MBL01

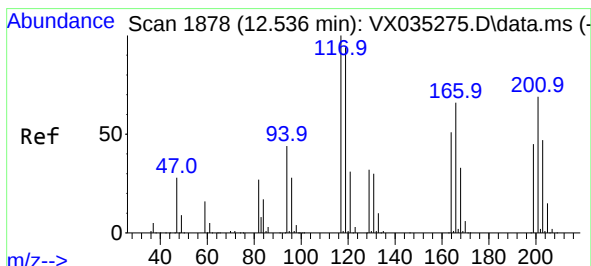
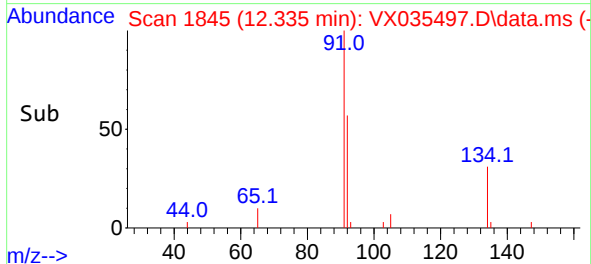
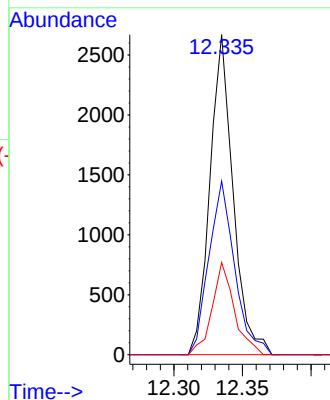
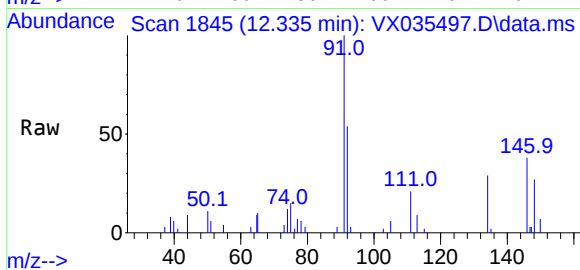
Tgt Ion: 91 Resp: 3141

Ion Ratio Lower Upper

91 100

92 60.3 27.7 83.0

134 27.6 13.0 38.9



#90

Hexachloroethane

Concen: 0.231 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX035497.D

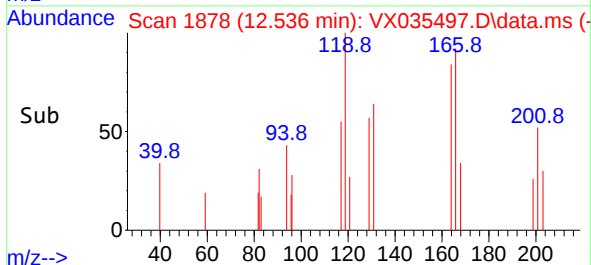
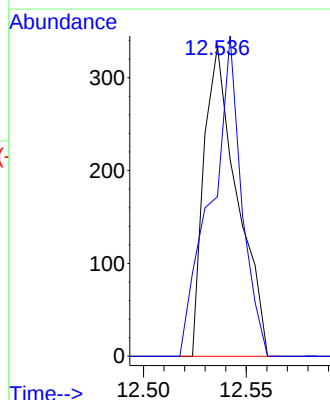
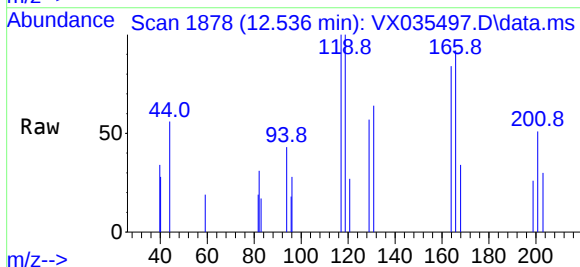
Acq: 03 May 2023 10:11

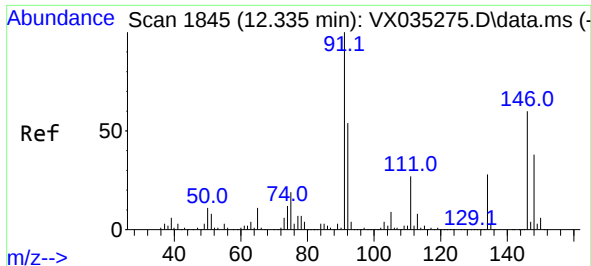
Tgt Ion: 117 Resp: 375

Ion Ratio Lower Upper

117 100

201 95.2 34.4 103.1



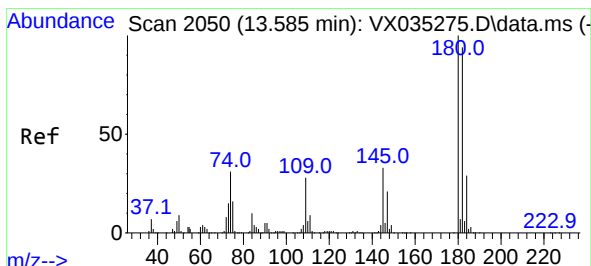
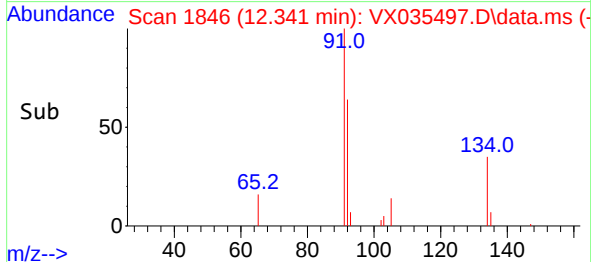
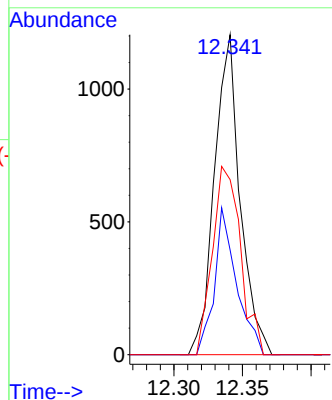
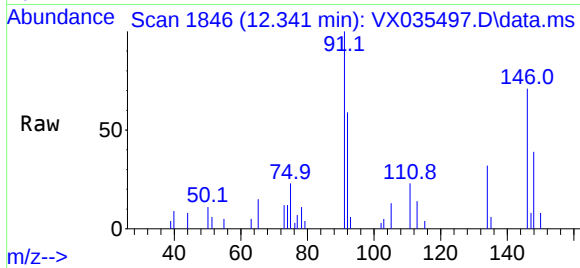


#91
1,2-Dichlorobenzene
Concen: 0.276 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

Tgt Ion:146 Resp: 1569

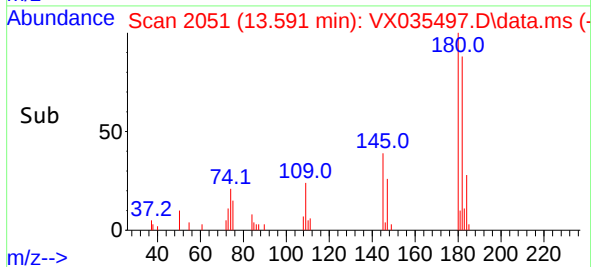
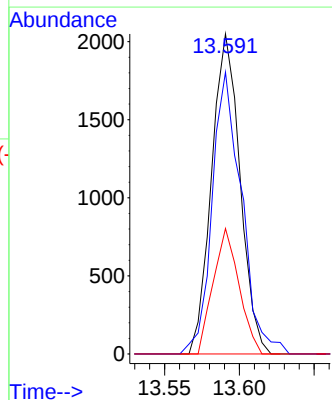
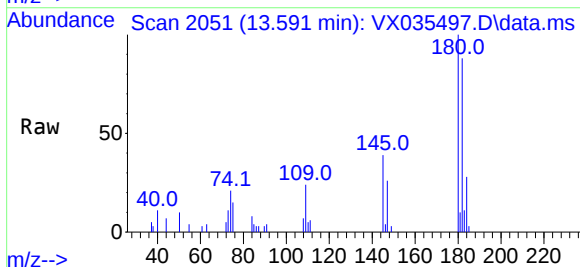
Ion	Ratio	Lower	Upper
146	100		
111	39.5	22.0	66.0
148	64.4	32.0	96.0

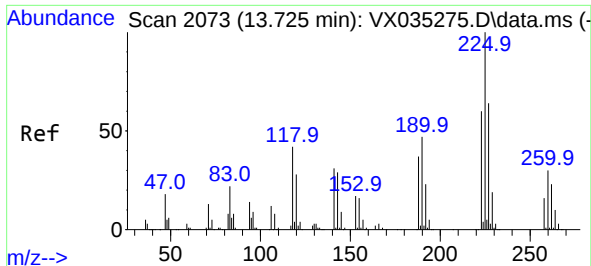


#93
1,2,4-Trichlorobenzene
Concen: 0.757 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

Tgt Ion:180 Resp: 2708

Ion	Ratio	Lower	Upper
180	100		
182	91.1	47.0	141.0
145	35.6	15.9	47.7

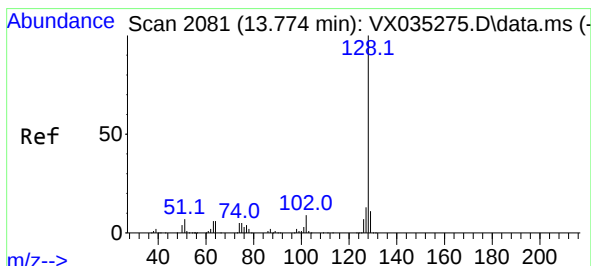
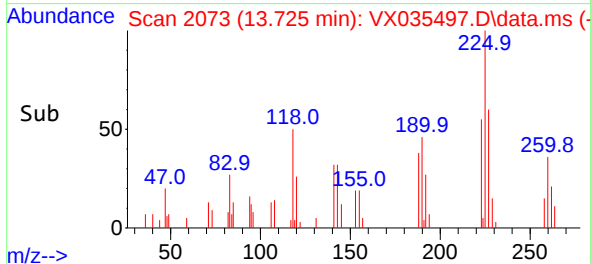
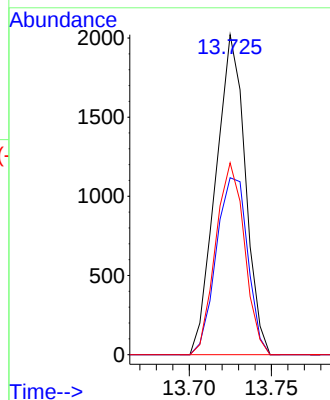
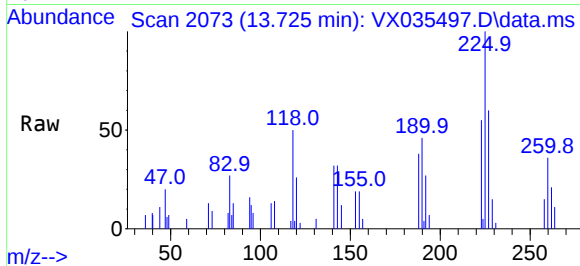




#94
Hexachlorobutadiene
Concen: 1.613 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

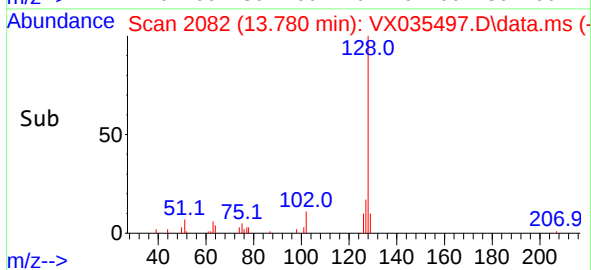
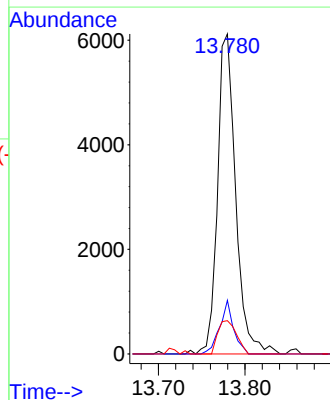
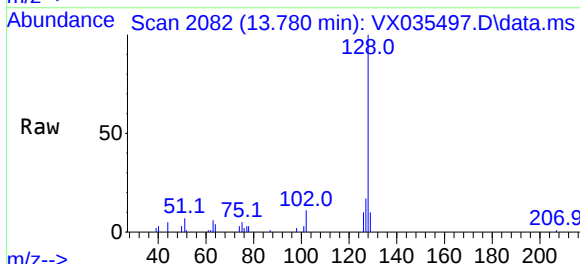
Instrument :
MSVOA_X
ClientSampleId :
VX0503MBL01

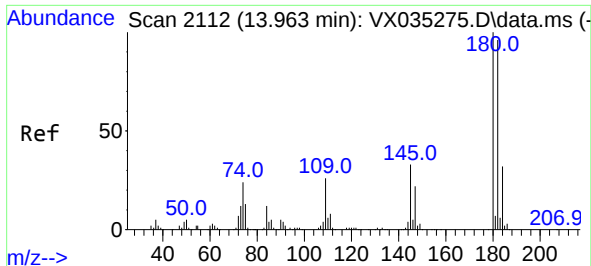
Tgt Ion:	225	Resp:	2531
Ion	Ratio	Lower	Upper
225	100		
223	58.9	32.1	96.5
227	58.6	31.8	95.4



#95
Naphthalene
Concen: 0.810 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035497.D
Acq: 03 May 2023 10:11

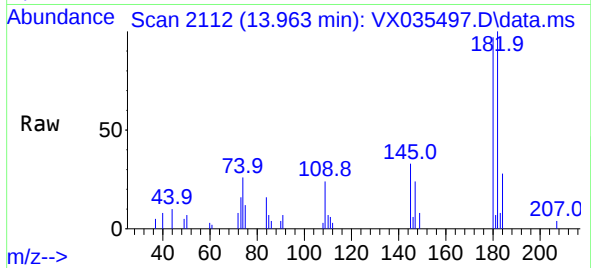
Tgt Ion:	128	Resp:	8913
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.7	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.827 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035497.D
 Acq: 03 May 2023 10:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503MBL01



Tgt Ion:180 Resp: 2977

Ion	Ratio	Lower	Upper
180	100		
182	106.1	48.0	144.2
145	32.2	17.7	53.1

