

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035035.D
 Acq On : 12 Apr 2023 10:41
 Operator : JC/MD
 Sample : VX0413MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

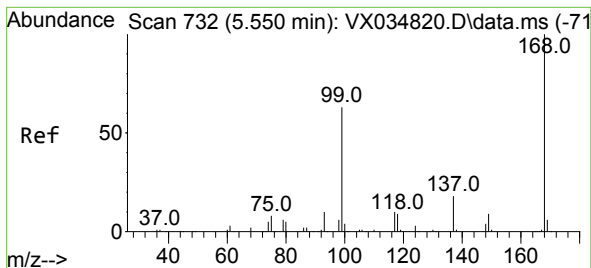
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413MBL01

Quant Time: Apr 13 02:29:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	286137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	483588	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	198549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	196678	44.944	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.880%		
35) Dibromofluoromethane	5.379	113	152403	47.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	8.647	98	576355	48.819	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.640%		
62) 4-Bromofluorobenzene	11.079	95	219541	48.054	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.100%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.941	59	695	0.905	ug/l #	73
13) Acrolein	2.246	56	529	0.669	ug/l	93
15) Acrylonitrile	3.087	53	924	0.535	ug/l	94
16) Acetone	2.392	43	1290	0.726	ug/l #	82
17) Carbon Disulfide	2.514	76	3182	0.433	ug/l #	92
20) Methylene Chloride	2.788	84	978	0.279	ug/l #	73
31) Cyclohexane	5.538	56	6231	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	23911	5.046	ug/l #	50
38) Carbon Tetrachloride	5.550	117	29437	6.589	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	112248	28.058	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	112248	84.087	ug/l #	8
85) sec-Butylbenzene	11.890	105	3908	0.281	ug/l	96
86) p-Isopropyltoluene	12.006	119	3111	0.269	ug/l #	77
89) n-Butylbenzene	12.335	91	5978	0.591	ug/l	96
90) Hexachloroethane	12.536	117	382	0.213	ug/l	67
93) 1,2,4-Trichlorobenzene	13.591	180	2306	0.620	ug/l	97
94) Hexachlorobutadiene	13.725	225	4099	2.507	ug/l	99
95) Naphthalene	13.780	128	5822	0.441	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	2512	0.670	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

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Instrument :

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ClientSampleId :

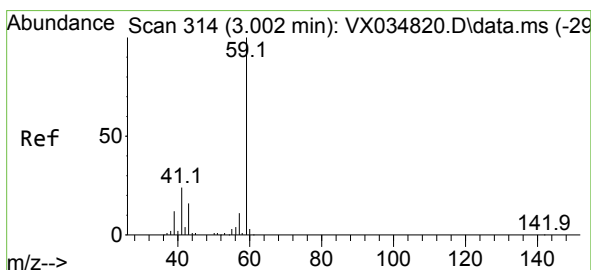
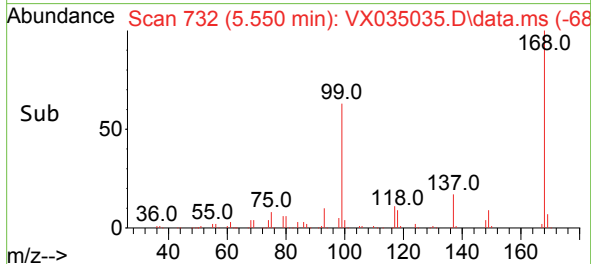
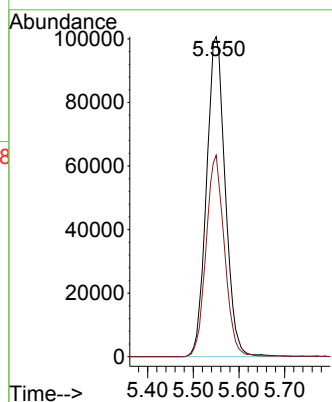
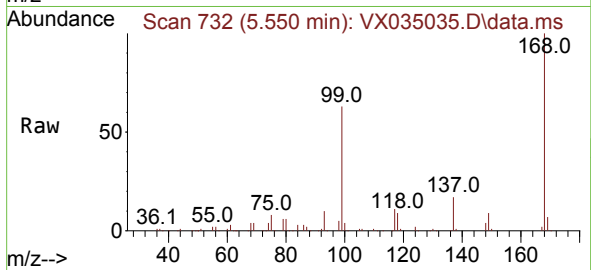
VX0413MBL01

Tgt Ion:168 Resp: 286137

Ion Ratio Lower Upper

168 100

99 63.0 45.7 68.5



#11

Tert butyl alcohol

Concen: 0.905 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.061 min

Lab File: VX035035.D

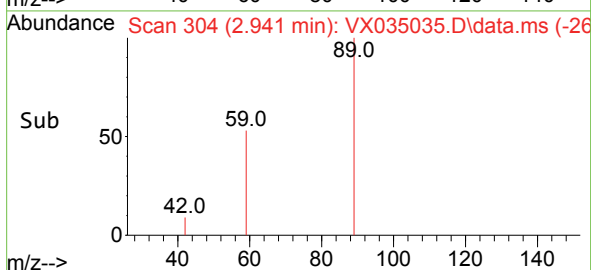
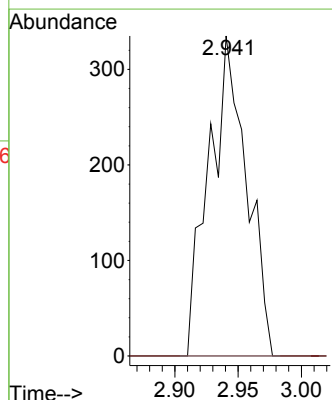
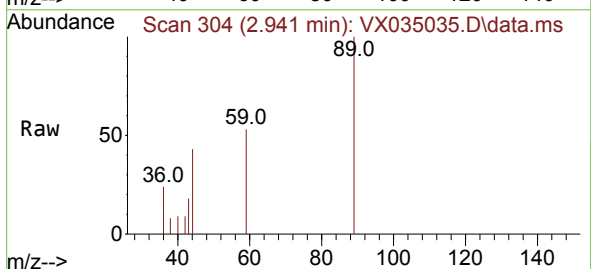
Acq: 12 Apr 2023 10:41

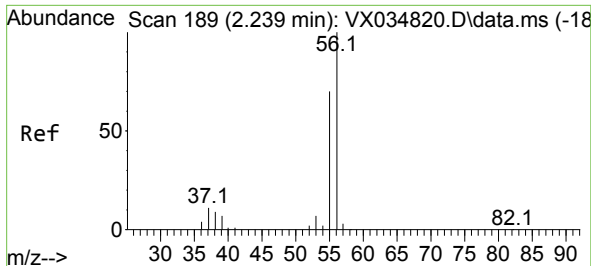
Tgt Ion: 59 Resp: 695

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

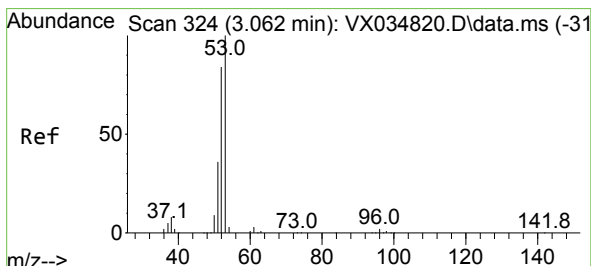
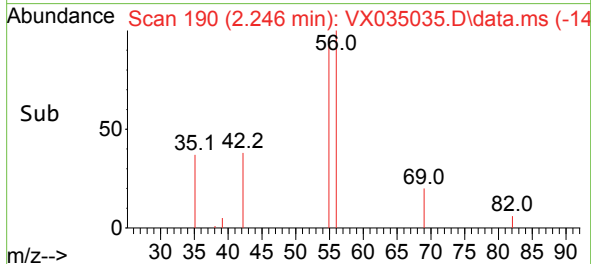
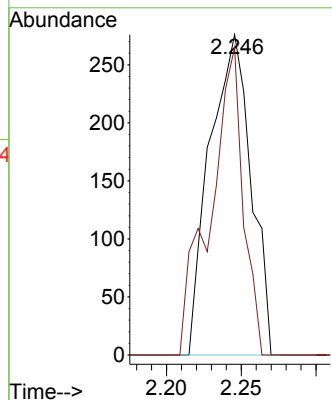
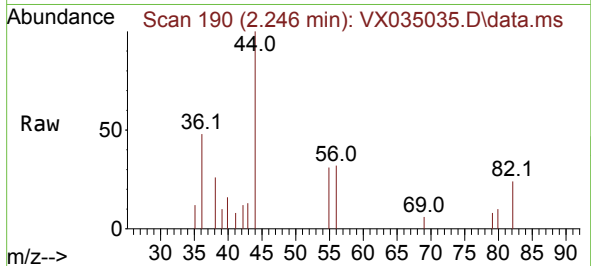




#13
Acrolein
Concen: 0.669 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

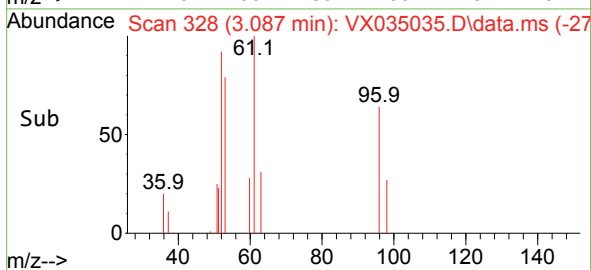
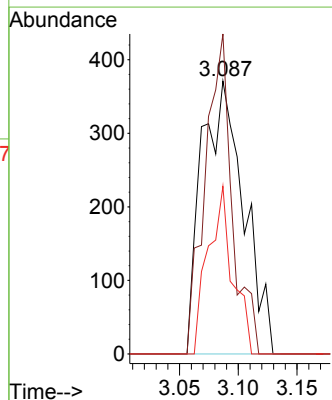
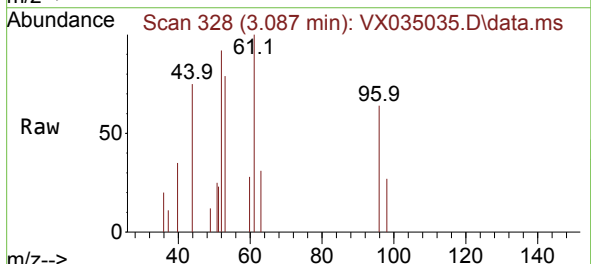
Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

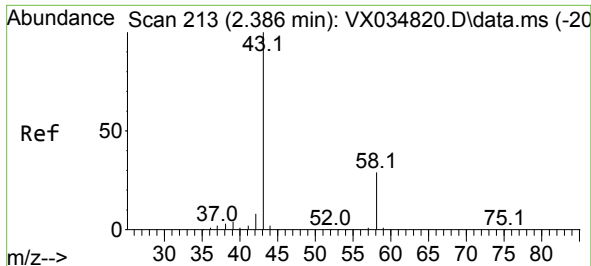
Tgt Ion: 56 Resp: 529
Ion Ratio Lower Upper
56 100
55 76.6 56.6 85.0



#15
Acrylonitrile
Concen: 0.535 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.024 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion: 53 Resp: 924
Ion Ratio Lower Upper
53 100
52 75.1 66.2 99.2
51 35.9 28.3 42.5





#16

Acetone

Concen: 0.726 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX035035.D

Acq: 12 Apr 2023 10:41

Instrument :

MSVOA_X

ClientSampleId :

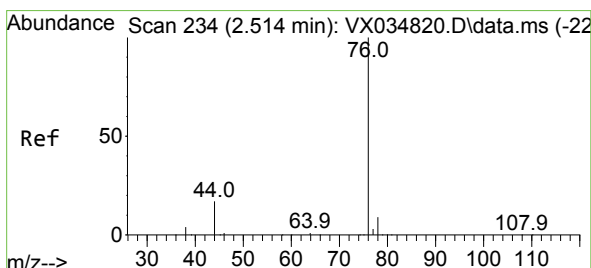
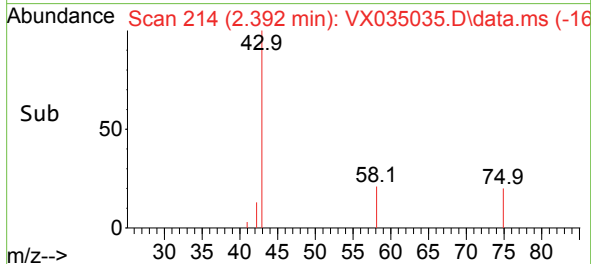
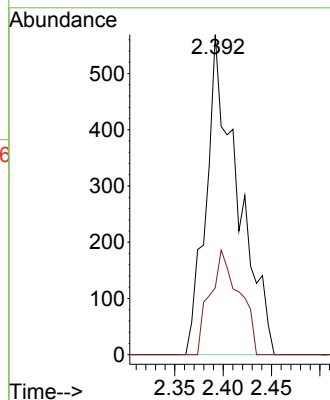
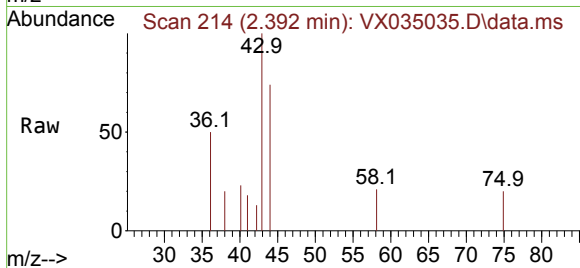
VX0413MBL01

Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 20.9 24.7 37.1#



#17

Carbon Disulfide

Concen: 0.433 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX035035.D

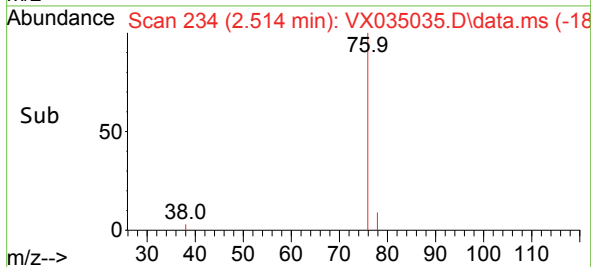
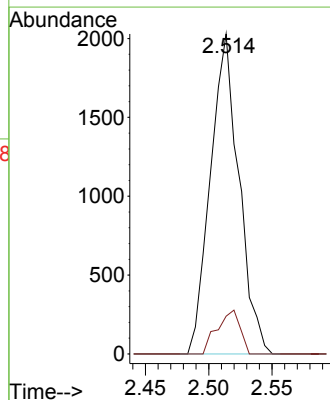
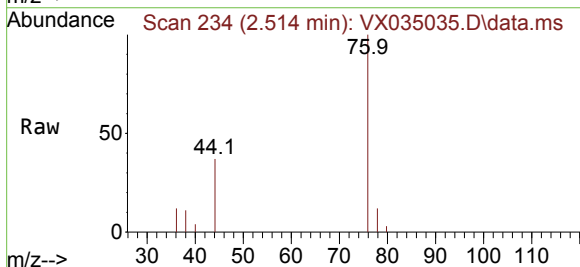
Acq: 12 Apr 2023 10:41

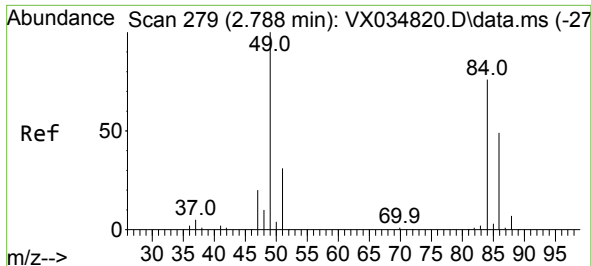
Tgt Ion: 76 Resp: 3182

Ion Ratio Lower Upper

76 100

78 11.8 7.2 10.8#

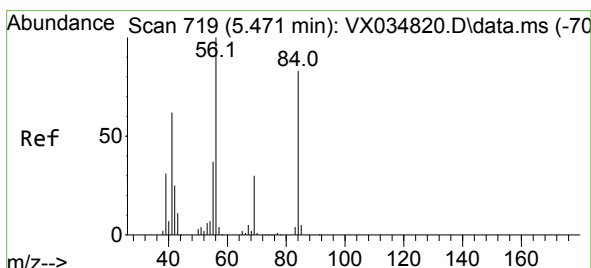
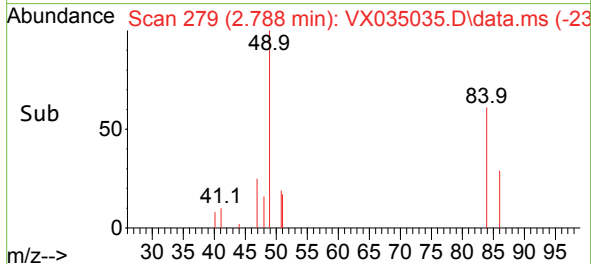
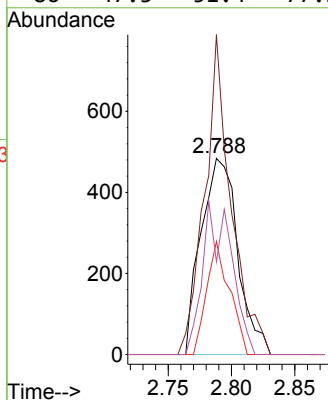
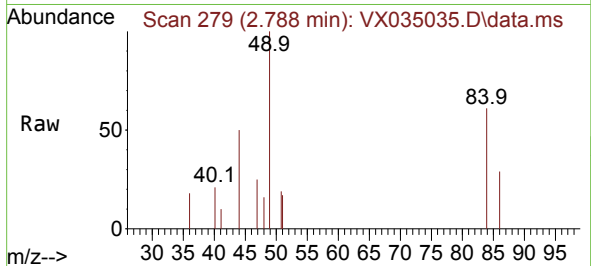




#20
Methylene Chloride
Concen: 0.279 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

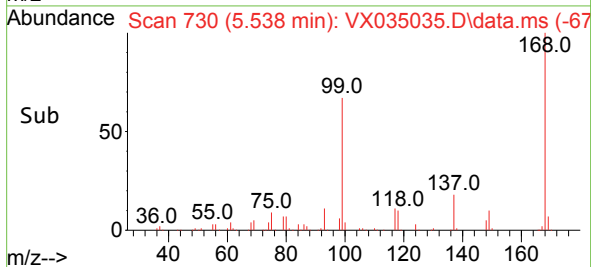
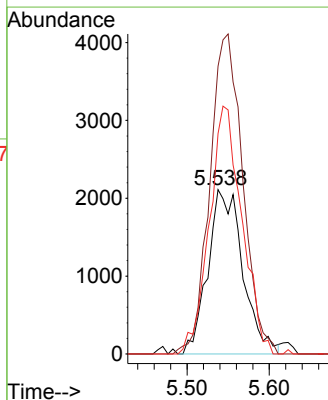
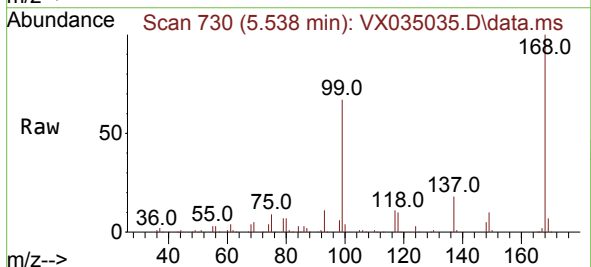
Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

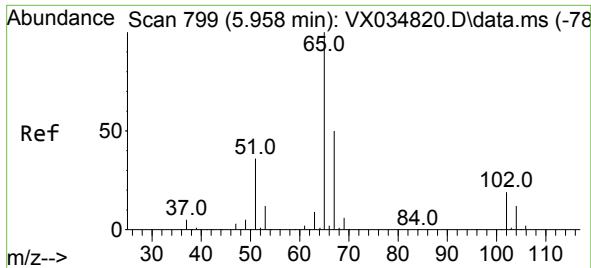
Tgt Ion:	84	Resp:	978
Ion	Ratio	Lower	Upper
84	100		
49	163.0	103.8	155.8#
51	57.6	31.8	47.8#
86	47.3	51.4	77.2#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.067 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion:	56	Resp:	6231
Ion	Ratio	Lower	Upper
56	100		
69	175.1	23.7	35.5#
84	134.1	68.5	102.7#

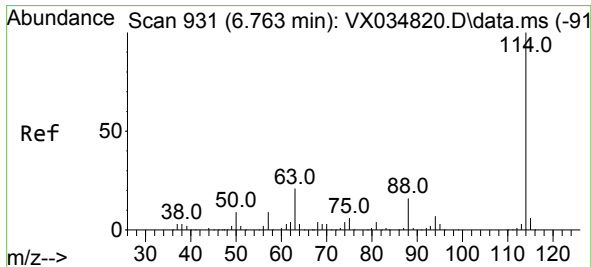
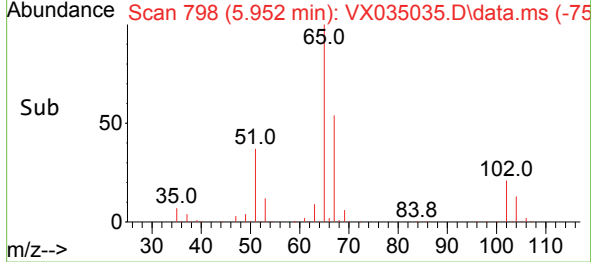
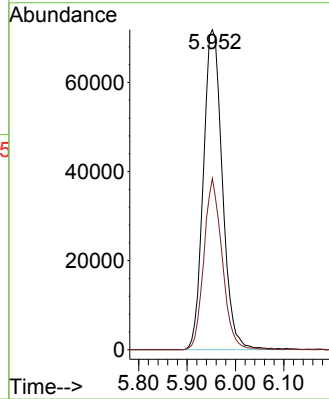
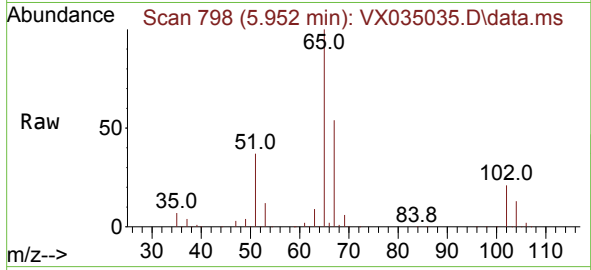




#33
1,2-Dichloroethane-d4
Concen: 44.944 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

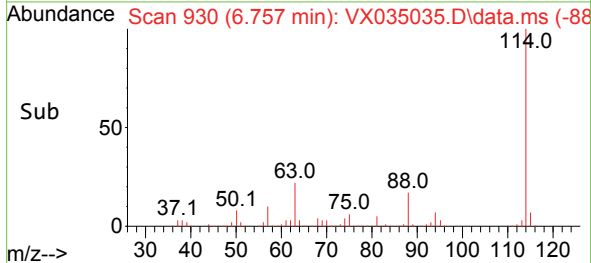
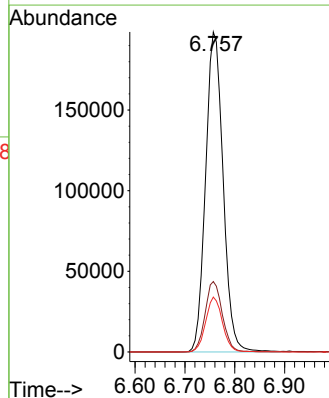
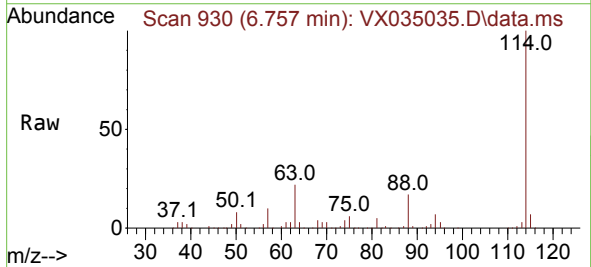
Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

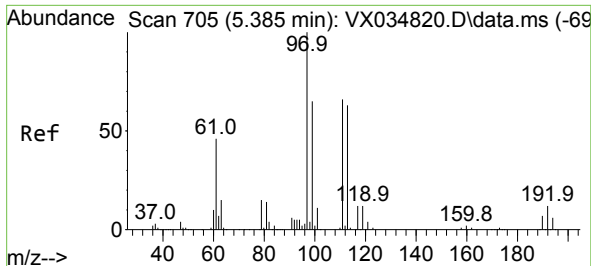
Tgt Ion: 65 Resp: 196678
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion: 114 Resp: 483588
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.2
88 17.2 0.0 33.2

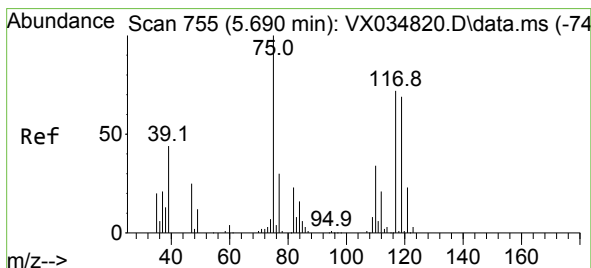
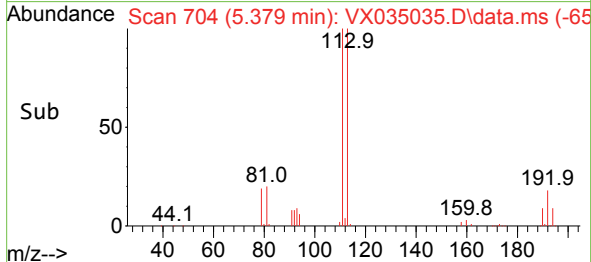
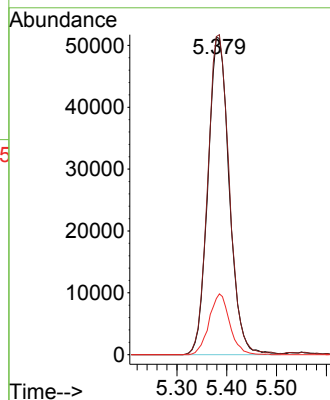
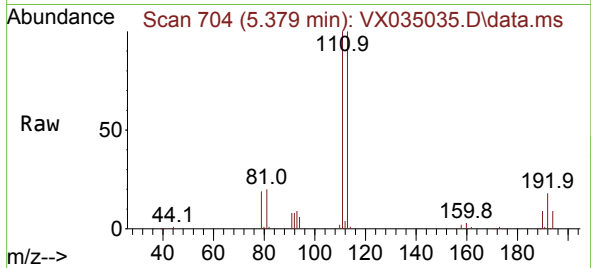




#35
Dibromofluoromethane
Concen: 47.648 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

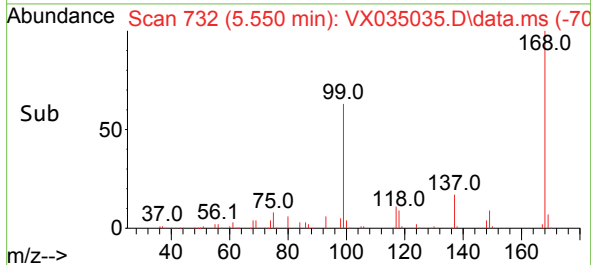
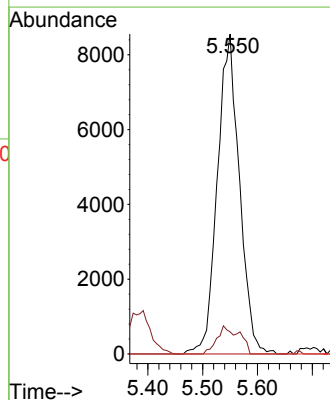
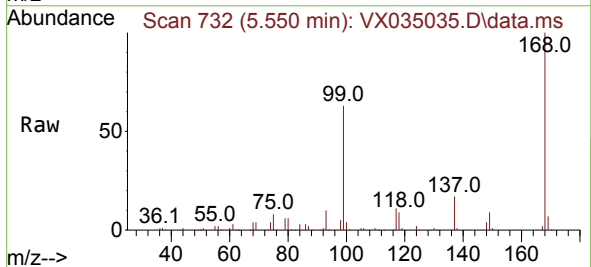
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ClientSampleId :
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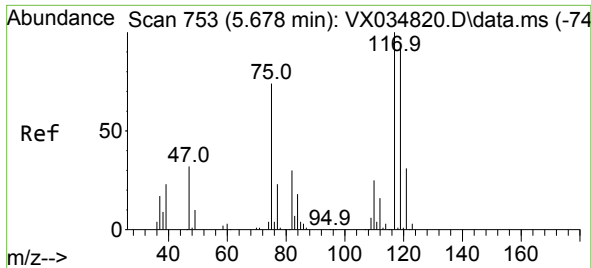
Tgt Ion:113 Resp: 152403
Ion Ratio Lower Upper
113 100
111 101.7 83.7 125.5
192 18.5 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.046 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

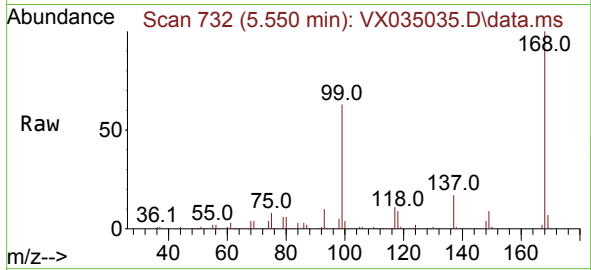
Tgt Ion: 75 Resp: 23911
Ion Ratio Lower Upper
75 100
110 8.8 17.5 52.5#
77 0.0 24.3 36.5#



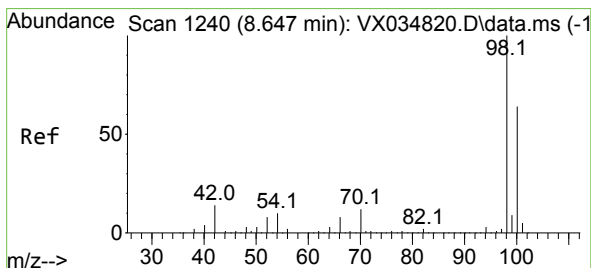
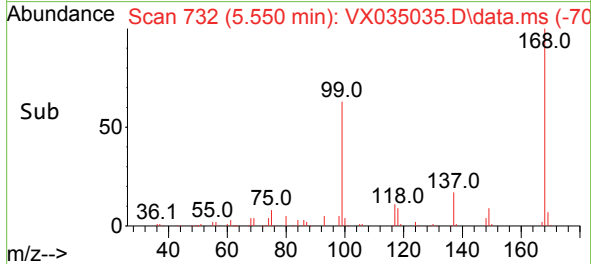
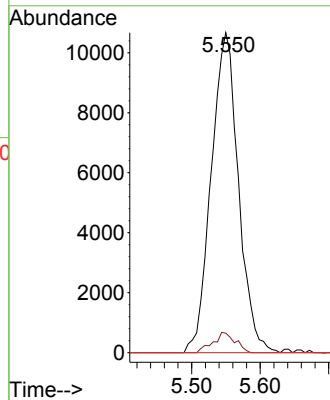


#38
Carbon Tetrachloride
Concen: 6.589 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

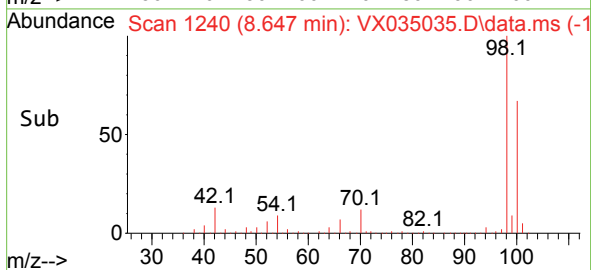
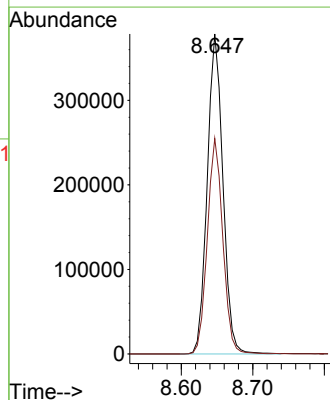
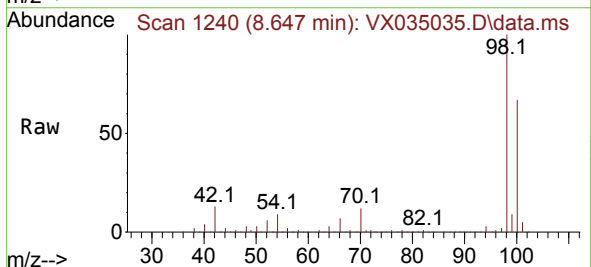


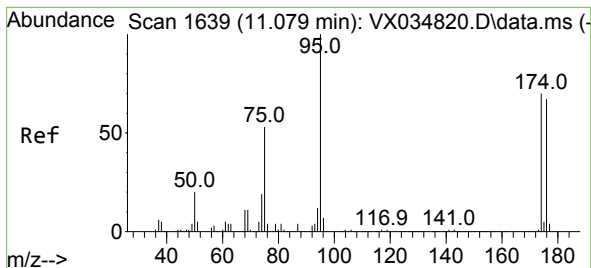
Tgt Ion:117 Resp: 29437
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 48.819 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion: 98 Resp: 576355
Ion Ratio Lower Upper
98 100
100 66.8 52.5 78.7

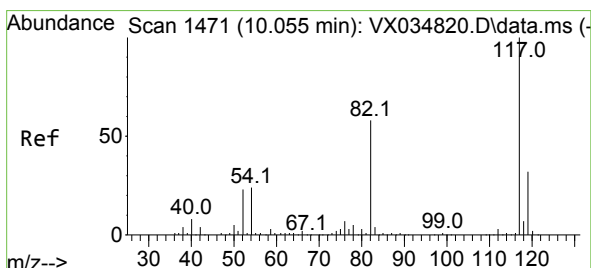
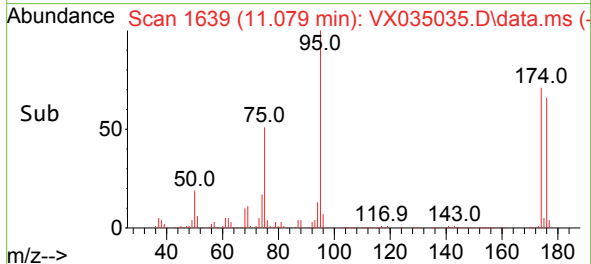
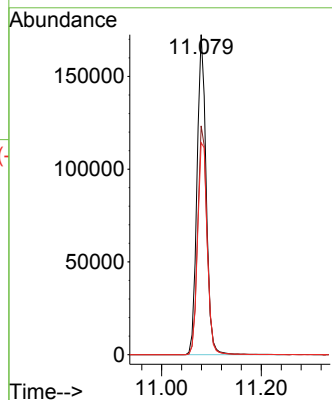
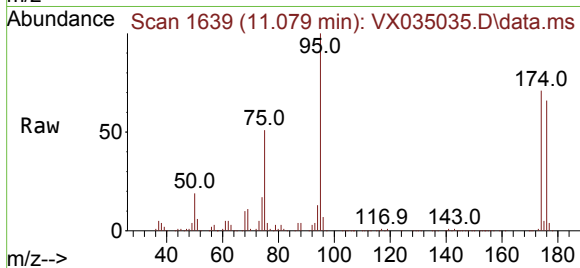




#62
4-Bromofluorobenzene
Concen: 48.054 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

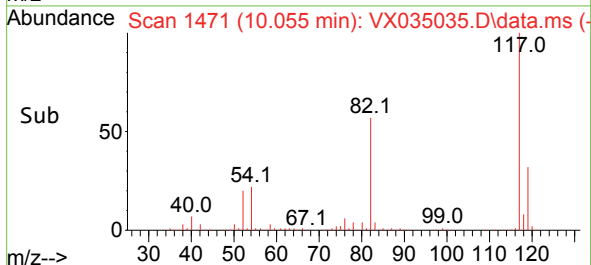
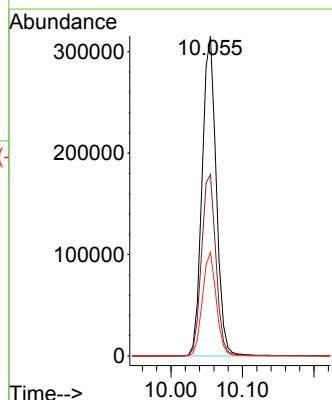
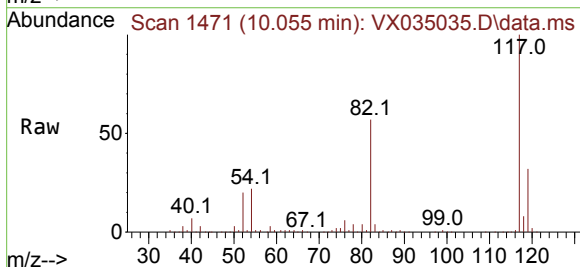
Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

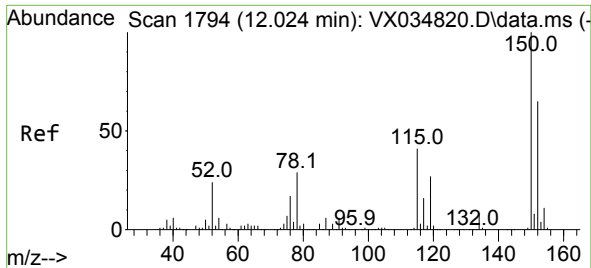
Tgt Ion: 95 Resp: 219541
Ion Ratio Lower Upper
95 100
174 72.7 0.0 147.4
176 70.2 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion: 117 Resp: 434291
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 32.4 26.0 39.0

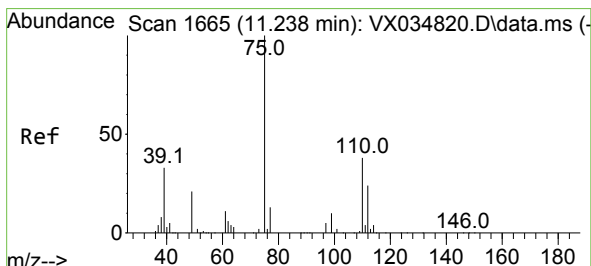
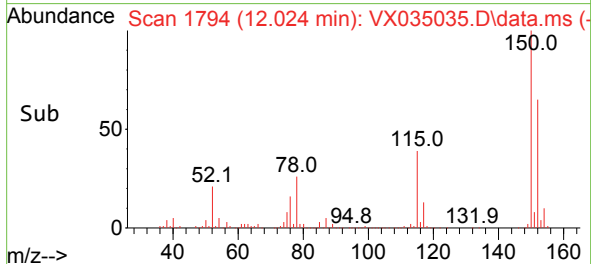
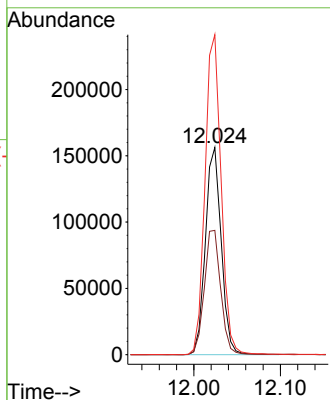
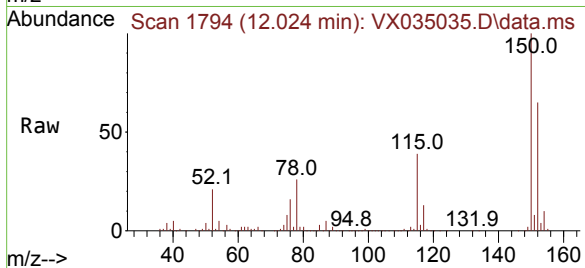




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX035035.D
 Acq: 12 Apr 2023 10:41

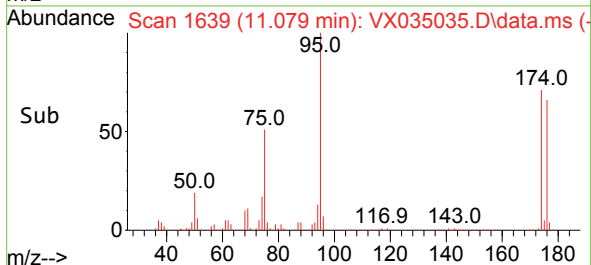
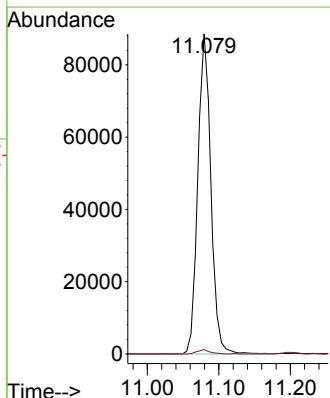
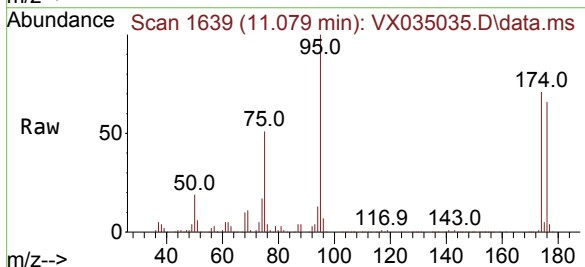
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413MBL01

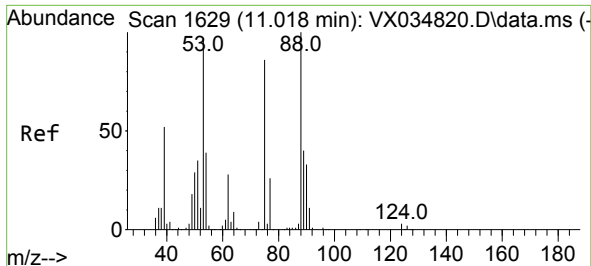
Tgt Ion:152 Resp: 198549
 Ion Ratio Lower Upper
 152 100
 115 62.1 45.0 135.0
 150 156.6 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 28.058 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX035035.D
 Acq: 12 Apr 2023 10:41

Tgt Ion: 75 Resp: 112248
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.6 64.8#

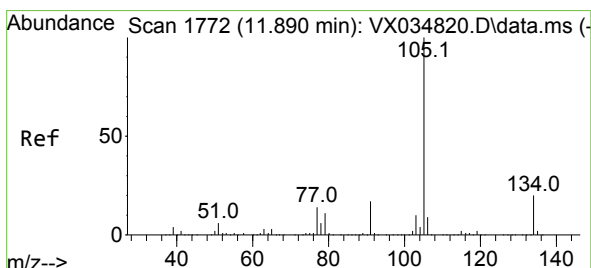
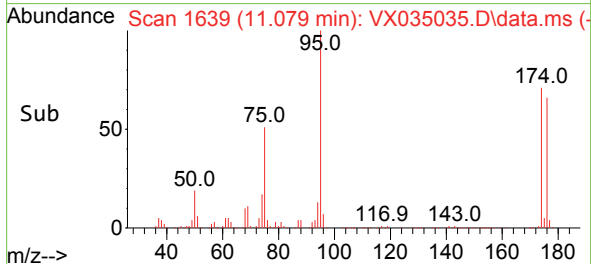
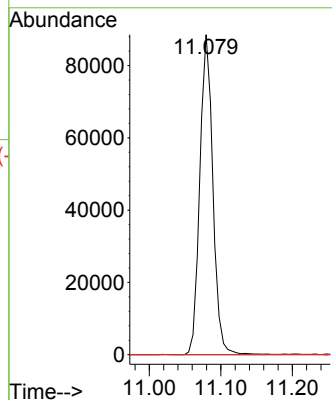
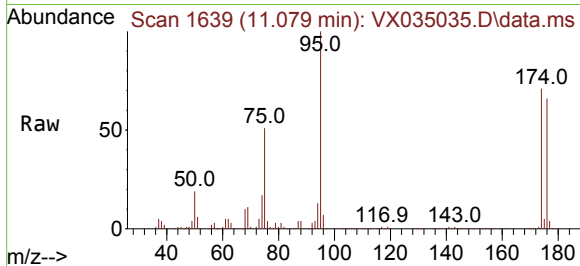




#81
trans-1,4-Dichloro-2-butene
Concen: 84.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

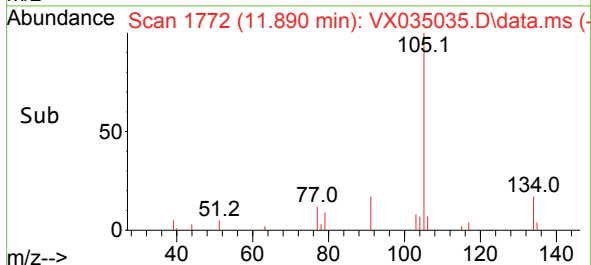
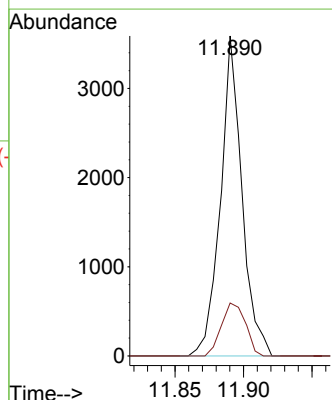
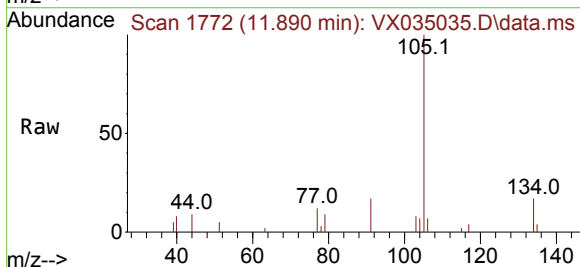
Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

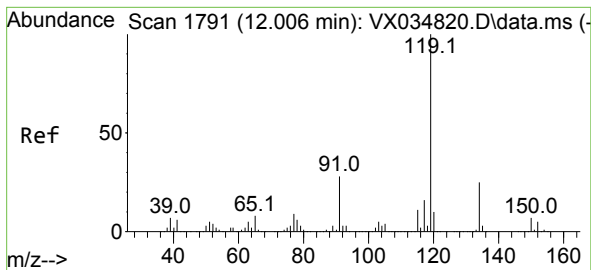
Tgt Ion: 75 Resp: 112248
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#85
sec-Butylbenzene
Concen: 0.281 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion: 105 Resp: 3908
Ion Ratio Lower Upper
105 100
134 18.6 10.2 30.4





#86

p-Isopropyltoluene

Concen: 0.269 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX035035.D

Acq: 12 Apr 2023 10:41

Instrument :

MSVOA_X

ClientSampleId :

VX0413MBL01

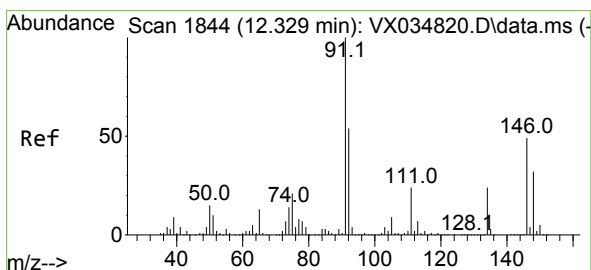
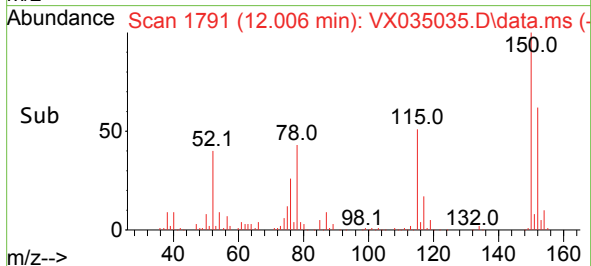
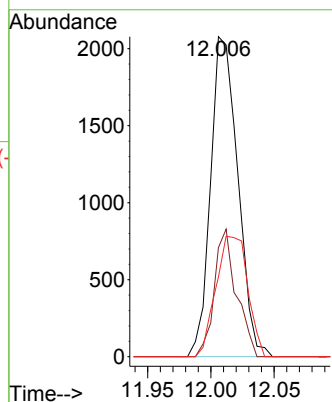
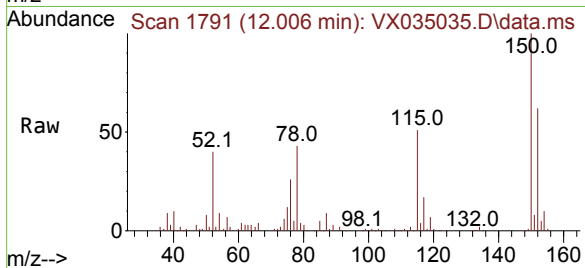
Tgt Ion:119 Resp: 3111

Ion Ratio Lower Upper

119 100

134 32.3 13.2 39.5

91 43.8 12.9 38.7#



#89

n-Butylbenzene

Concen: 0.591 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX035035.D

Acq: 12 Apr 2023 10:41

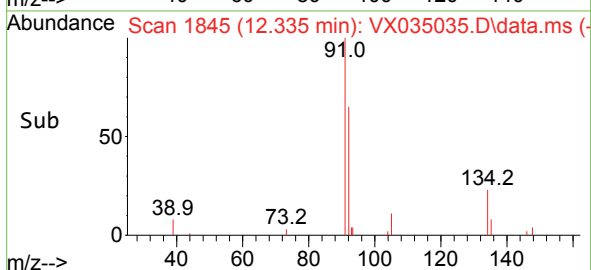
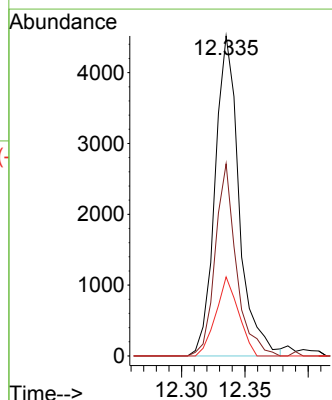
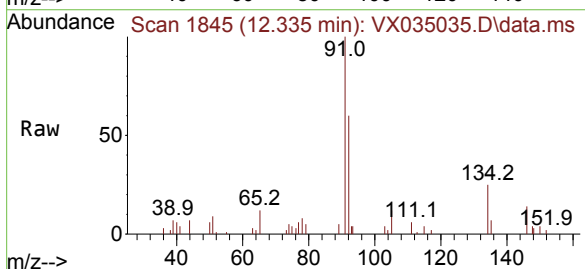
Tgt Ion: 91 Resp: 5978

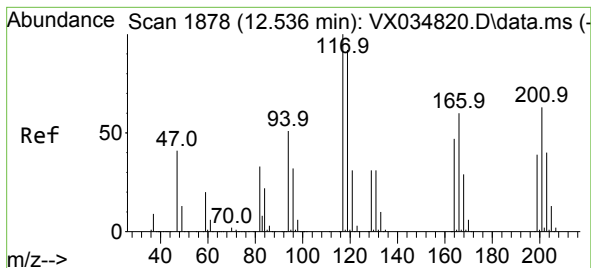
Ion Ratio Lower Upper

91 100

92 52.6 27.7 83.0

134 23.2 13.0 38.9





#90

Hexachloroethane

Concen: 0.213 ug/l

RT: 12.536 min Scan# 117

Delta R.T. 0.000 min

Lab File: VX035035.D

Acq: 12 Apr 2023 10:41

Instrument :

MSVOA_X

ClientSampleId :

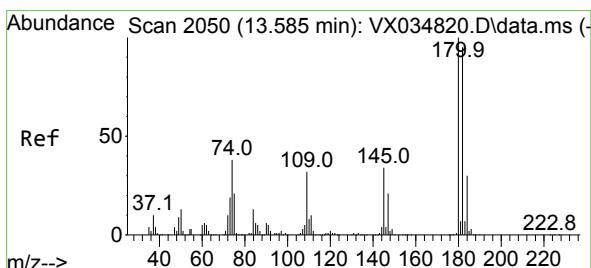
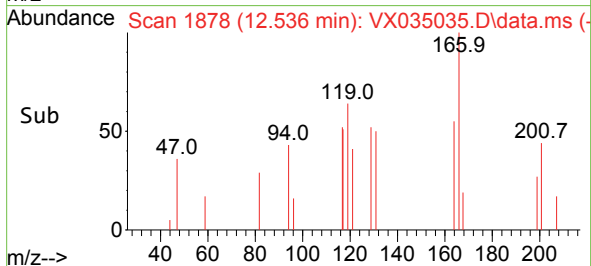
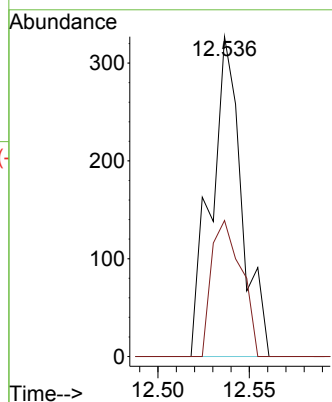
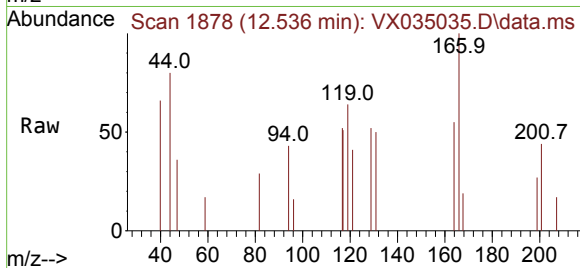
VX0413MBL01

Tgt Ion:117 Resp: 382

Ion Ratio Lower Upper

117 100

201 41.6 34.4 103.1



#93

1,2,4-Trichlorobenzene

Concen: 0.620 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035035.D

Acq: 12 Apr 2023 10:41

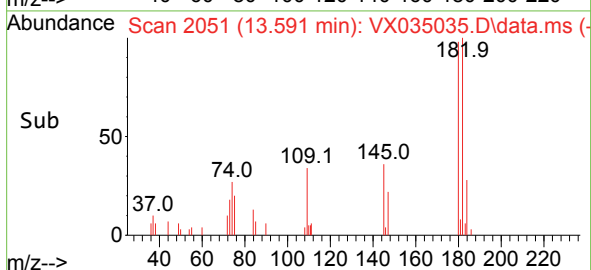
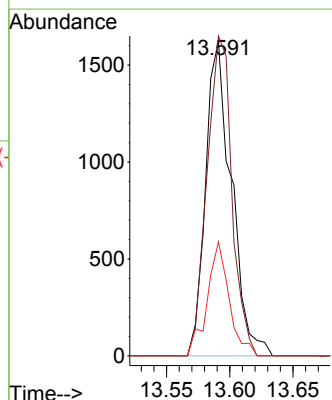
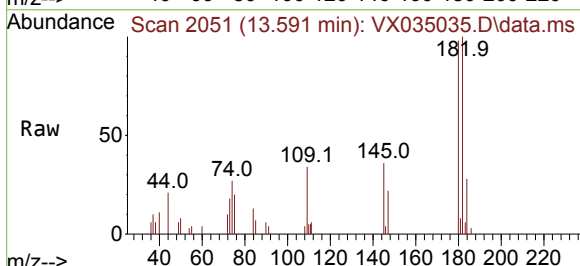
Tgt Ion:180 Resp: 2306

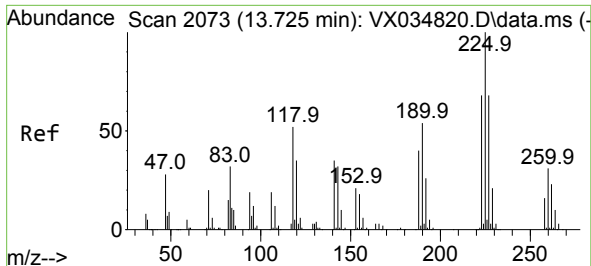
Ion Ratio Lower Upper

180 100

182 97.7 47.0 141.0

145 30.7 15.9 47.7

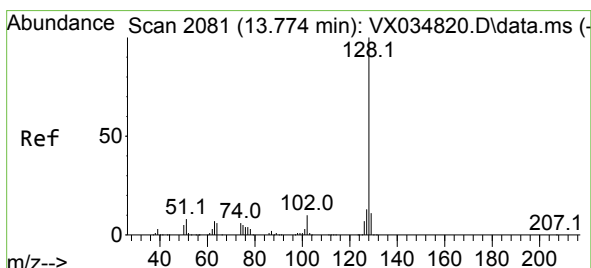
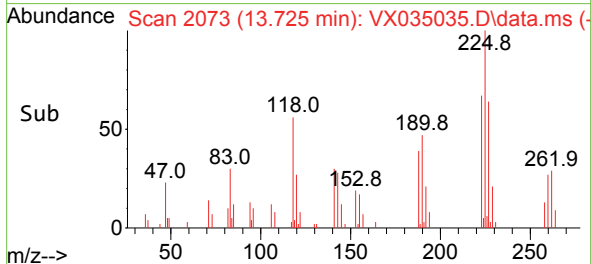
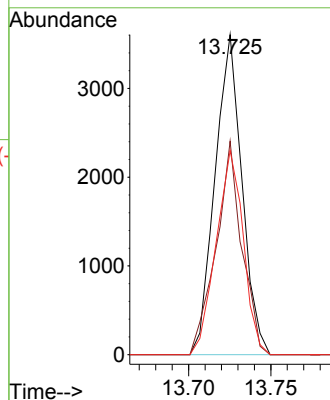
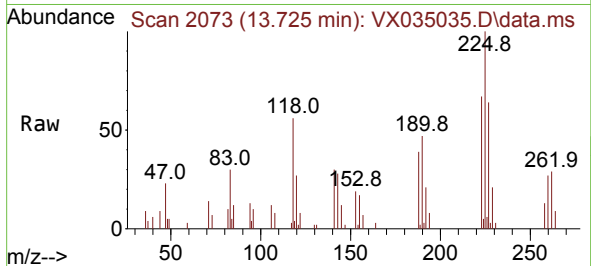




#94
Hexachlorobutadiene
Concen: 2.507 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

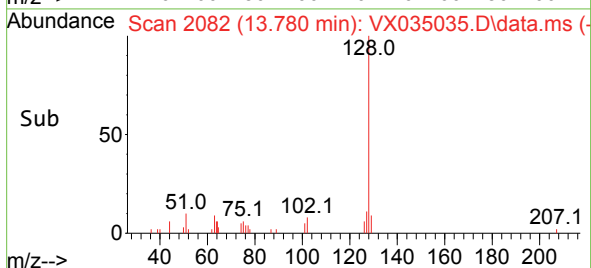
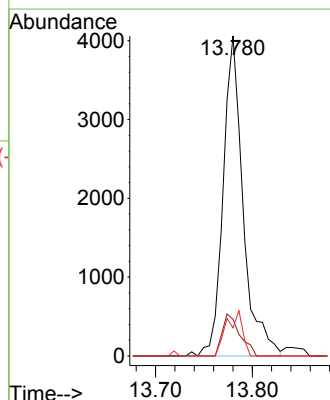
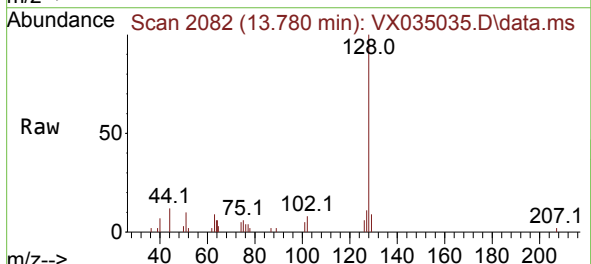
Instrument :
MSVOA_X
ClientSampleId :
VX0413MBL01

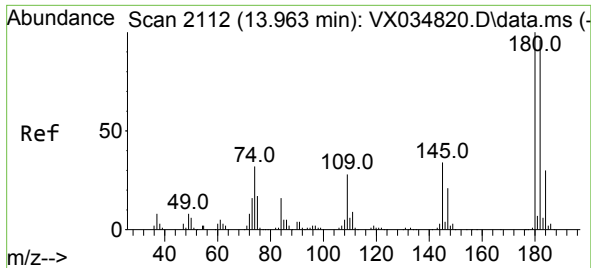
Tgt Ion:	225	Resp:	4099
Ion Ratio	Lower	Upper	
225	100		
223	64.2	32.1	96.5
227	64.4	31.8	95.4



#95
Naphthalene
Concen: 0.441 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035035.D
Acq: 12 Apr 2023 10:41

Tgt Ion:	128	Resp:	5822
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.2	15.4
129	11.3	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.670 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035035.D
 Acq: 12 Apr 2023 10:41

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0413MBL01

Tgt Ion:180	Resp:	2512
Ion	Ratio	Lower Upper
180	100	
182	101.7	48.0 144.2
145	36.2	17.7 53.1

