

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042823\
 Data File : VX035413.D
 Acq On : 29 Apr 2023 00:36
 Operator : JC/MD
 Sample : PB152434TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

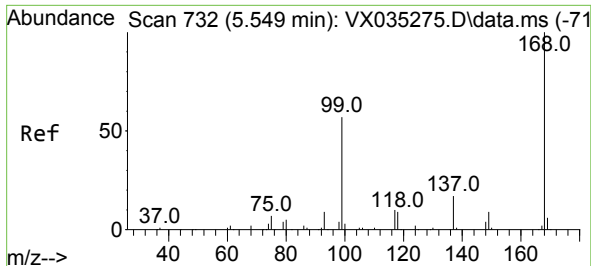
Instrument :
 MSVOA_X
 ClientSampleId :
 PB152434TB

Quant Time: Apr 29 02:04:20 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	5.556	168	251972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414442	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	182711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148753	48.934	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.860%		
35) Dibromofluoromethane	5.385	113	128197	50.397	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.800%		
50) Toluene-d8	8.647	98	486873	50.738	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.480%		
62) 4-Bromofluorobenzene	11.079	95	186910	51.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	595	0.245	ug/l #	42
11) Tert butyl alcohol	3.001	59	3389	6.123	ug/l #	84
13) Acrolein	2.239	56	125	0.230	ug/l #	65
16) Acetone	2.392	43	23278	17.631	ug/l	98
17) Carbon Disulfide	2.514	76	1525	0.260	ug/l #	92
18) Methyl Acetate	2.709	43	2068	0.405	ug/l	93
20) Methylene Chloride	2.788	84	9193	3.037	ug/l	94
25) 2-Butanone	4.580	43	16998	8.821	ug/l #	88
31) Cyclohexane	5.550	56	4463	1.035	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18064	4.548	ug/l #	51
37) Ethyl Acetate	4.714	43	47831	13.185	ug/l #	96
38) Carbon Tetrachloride	5.556	117	24753	6.565	ug/l #	15
43) Isopropyl Acetate	6.336	43	185802	30.481	ug/l	95
48) Methyl methacrylate	7.799	41	151330	50.611	ug/l #	44
49) 1,4-Dioxane	7.799	88	385	5.282	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	144092	38.477	ug/l #	51
52) Toluene	8.720	92	6959	0.964	ug/l	93
53) t-1,3-Dichloropropene	8.958	75	1607	0.423	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	72368	16.868	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	8751	1.777	ug/l #	42
59) 2-Hexanone	9.482	43	113342	40.287	ug/l #	53
74) N-amyl acetate	10.774	43	3026	0.603	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	91920	25.220	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	91920	81.684	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.591	180	1292	0.326	ug/l	88
94) Hexachlorobutadiene	13.725	225	1159	0.666	ug/l	97
95) Naphthalene	13.780	128	3214	0.263	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.963	180	1171	0.293	ug/l	87

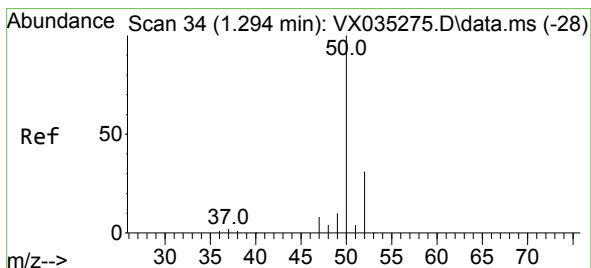
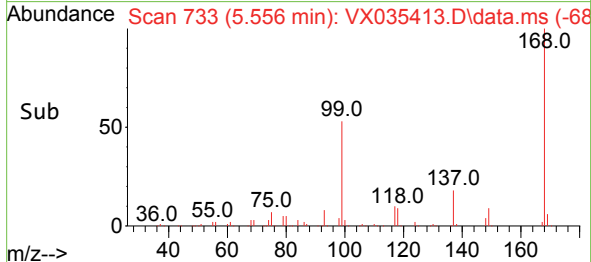
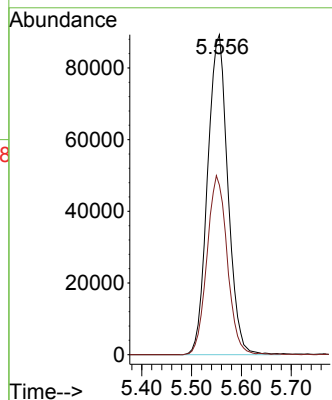
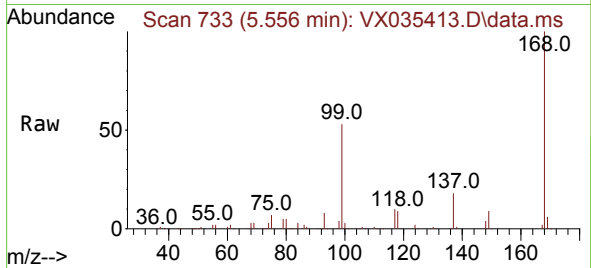
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

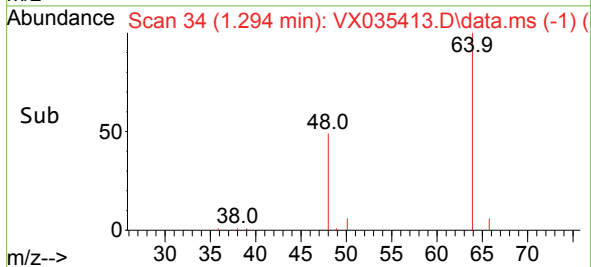
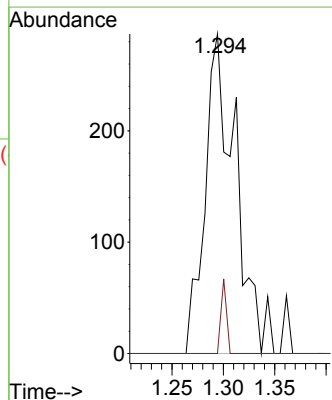
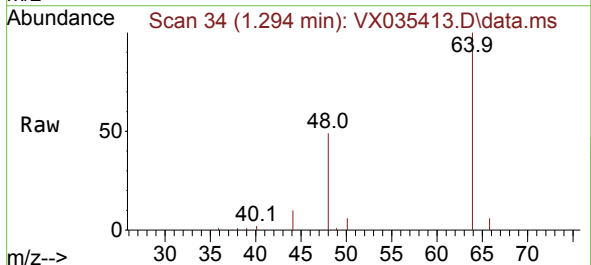
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

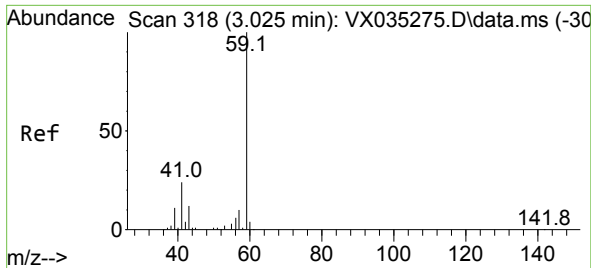
Tgt Ion:168 Resp: 251972
Ion Ratio Lower Upper
168 100
99 53.0 45.7 68.5



#3
Chloromethane
Concen: 0.245 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 50 Resp: 595
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

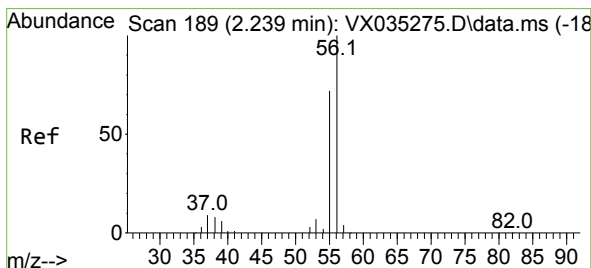
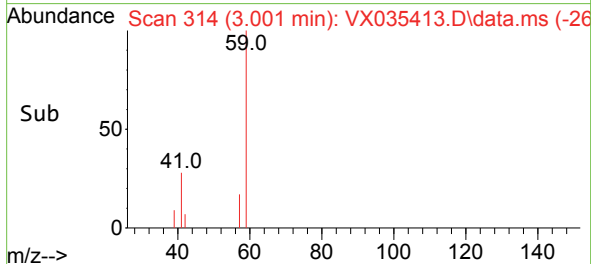
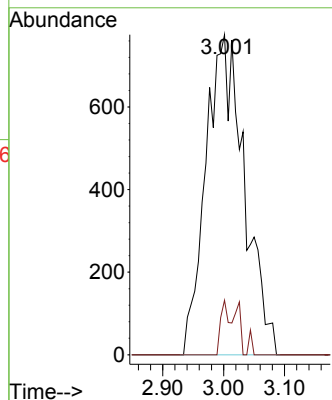
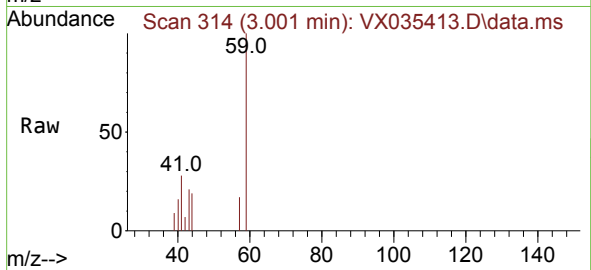




#11
Tert butyl alcohol
Concen: 6.123 ug/l
RT: 3.001 min Scan# 31
Delta R.T. -0.024 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

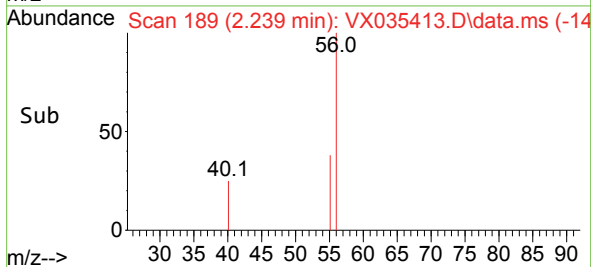
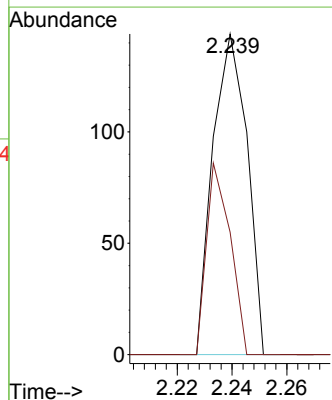
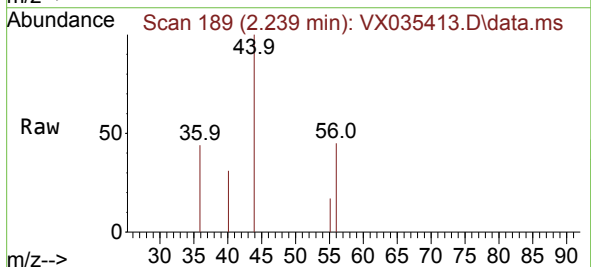
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

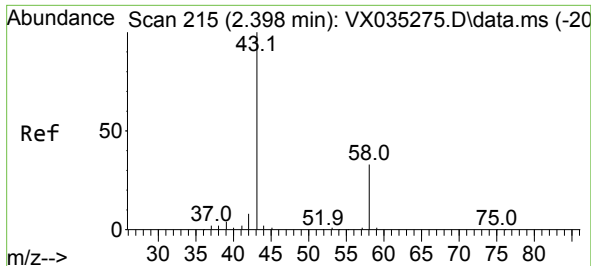
Tgt Ion: 59 Resp: 3389
Ion Ratio Lower Upper
59 100
57 4.1 8.1 12.1#



#13
Acrolein
Concen: 0.230 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 41.6 56.6 85.0#

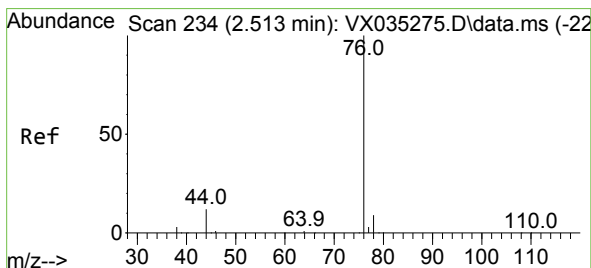
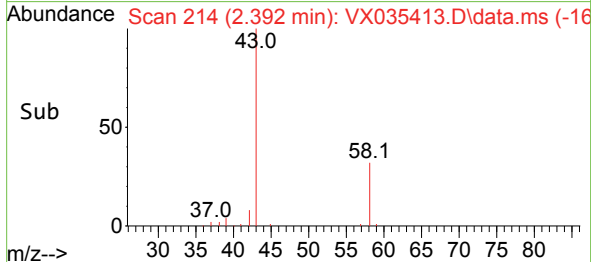
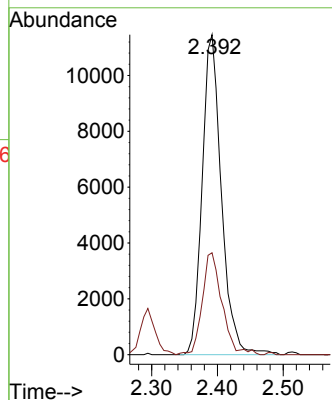
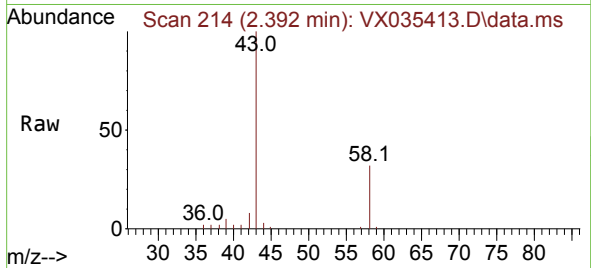




#16
Acetone
Concen: 17.631 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

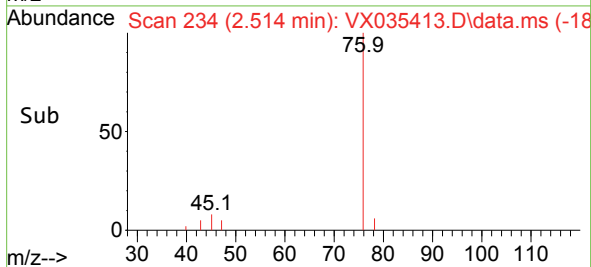
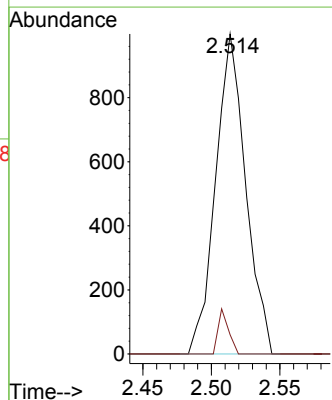
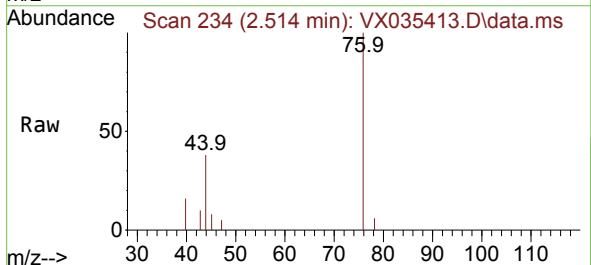
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

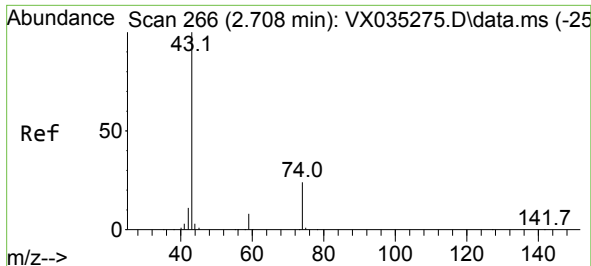
Tgt Ion: 43 Resp: 23278
Ion Ratio Lower Upper
43 100
58 31.9 24.7 37.1



#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 76 Resp: 1525
Ion Ratio Lower Upper
76 100
78 6.0 7.2 10.8#

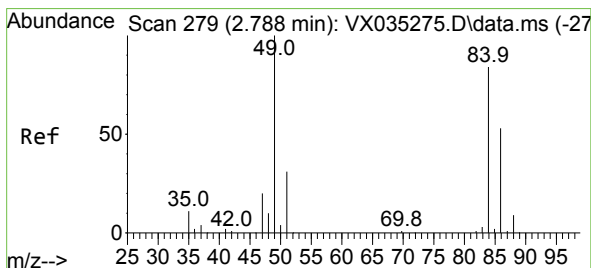
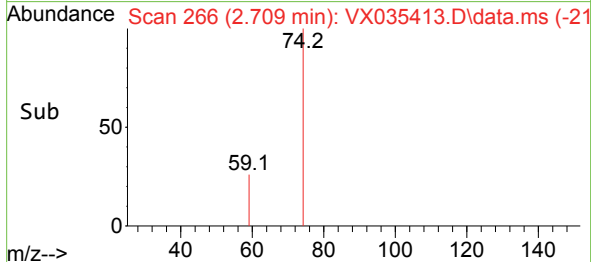
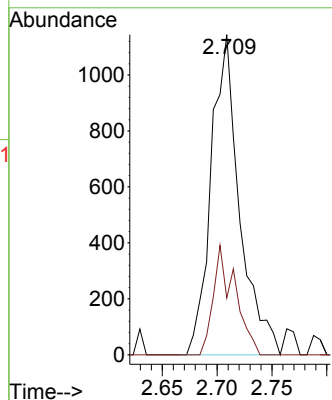
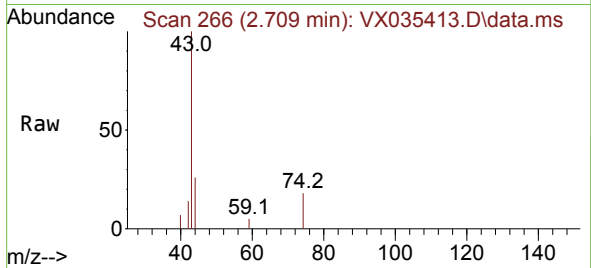




#18
Methyl Acetate
Concen: 0.405 ug/l
RT: 2.709 min Scan# 2068
Delta R.T. 0.001 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

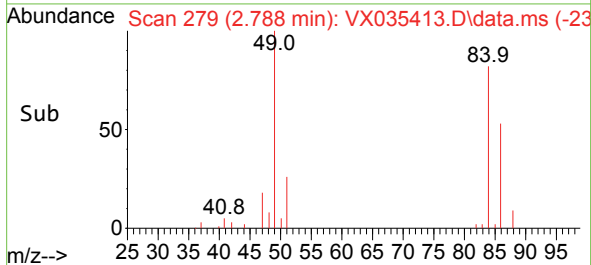
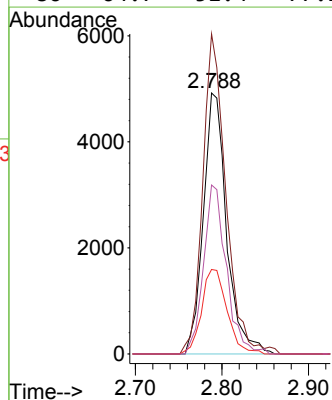
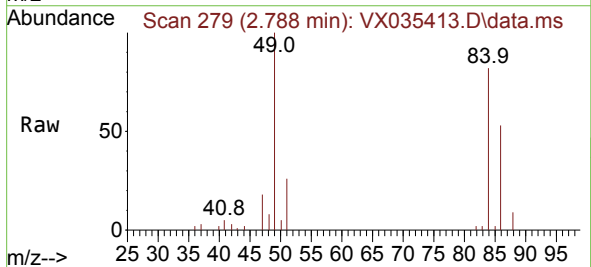
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

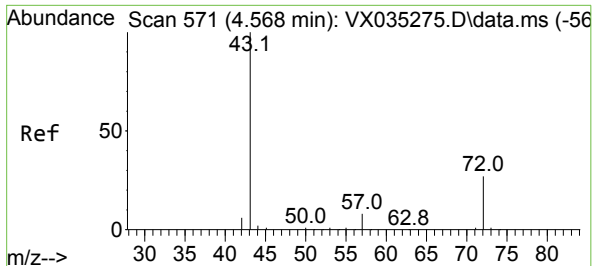
Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
74 26.1 18.3 27.5



#20
Methylene Chloride
Concen: 3.037 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 84 Resp: 9193
Ion Ratio Lower Upper
84 100
49 122.6 103.8 155.8
51 32.4 31.8 47.8
86 64.7 51.4 77.2

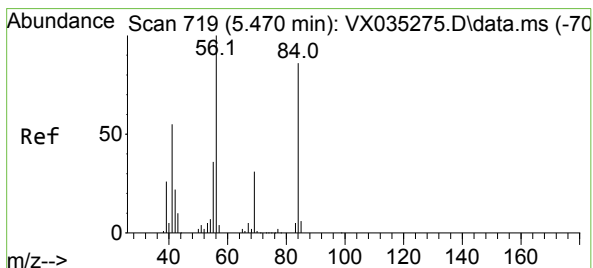
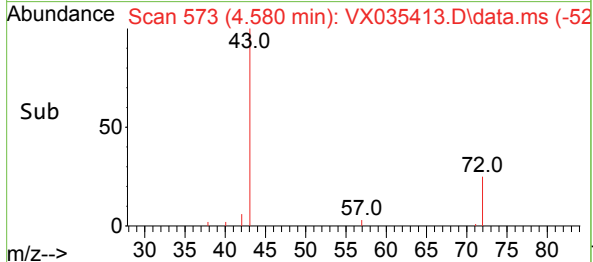
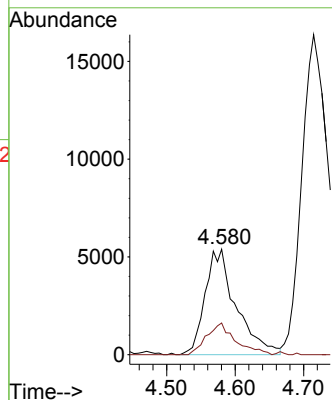
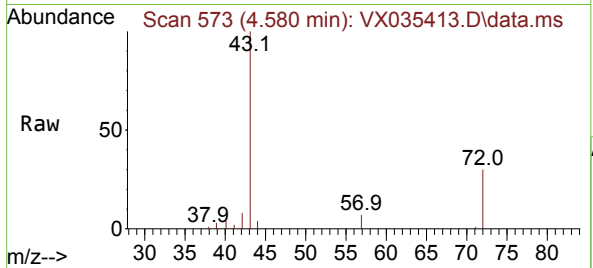




#25
2-Butanone
Concen: 8.821 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

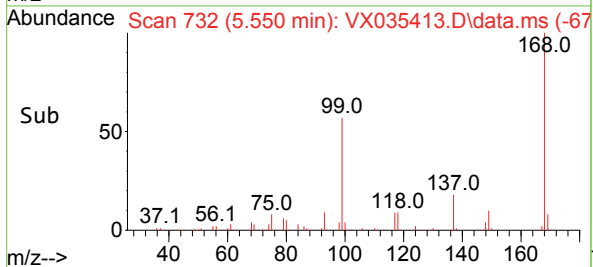
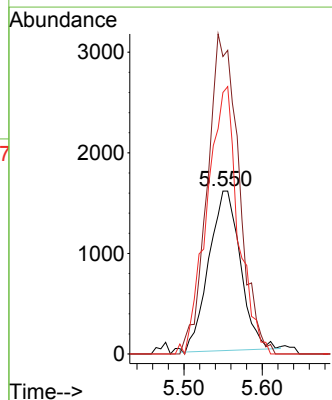
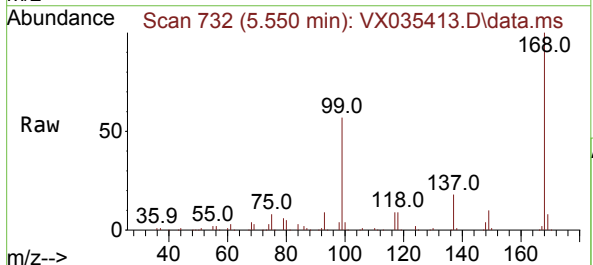
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

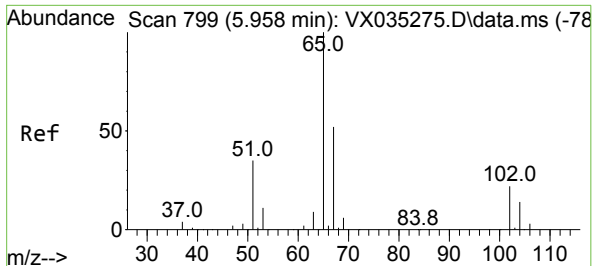
Tgt Ion: 43 Resp: 16998
Ion Ratio Lower Upper
43 100
72 30.0 19.3 28.9#



#31
Cyclohexane
Concen: 1.035 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 56 Resp: 4463
Ion Ratio Lower Upper
56 100
69 188.9 23.7 35.5#
84 166.0 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.934 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

Instrument :

MSVOA_X

ClientSampleId :

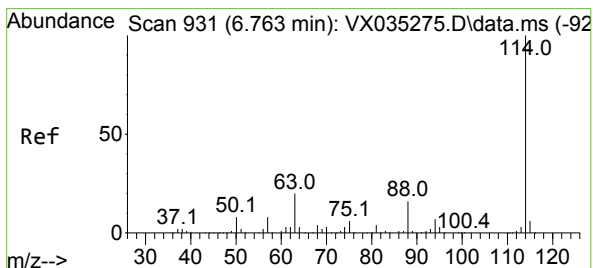
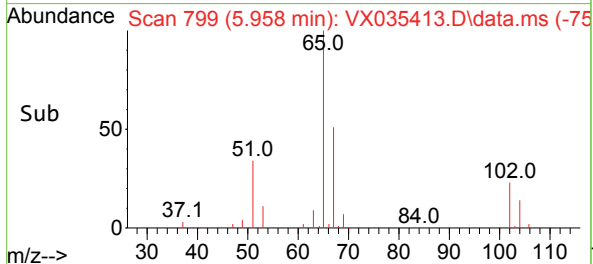
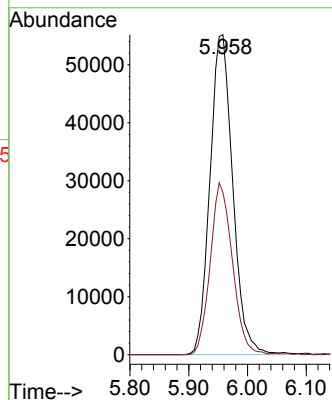
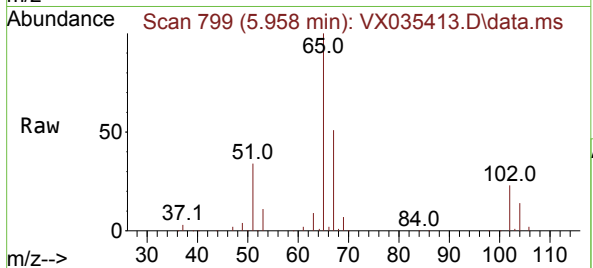
PB152434TB

Tgt Ion: 65 Resp: 148753

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

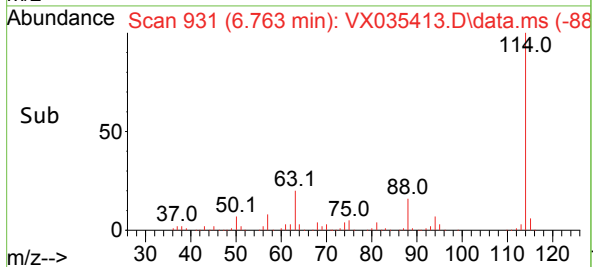
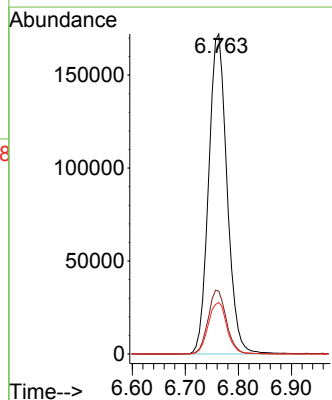
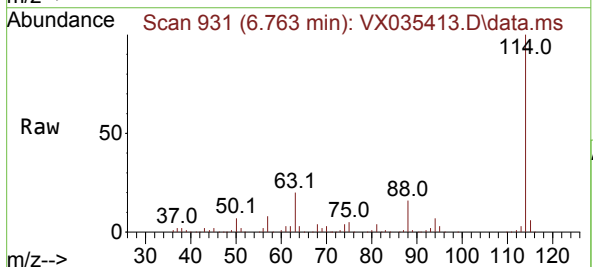
Tgt Ion: 114 Resp: 414442

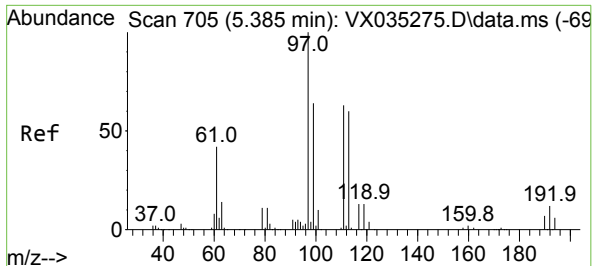
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.2

88 16.1 0.0 33.2

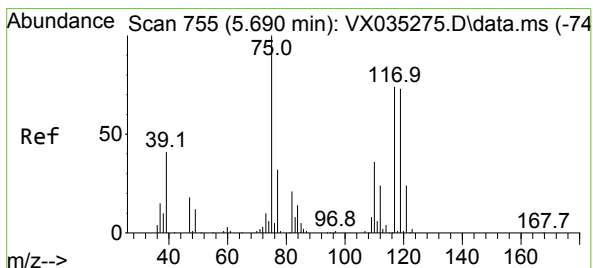
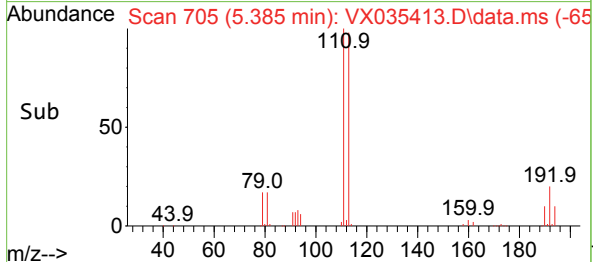
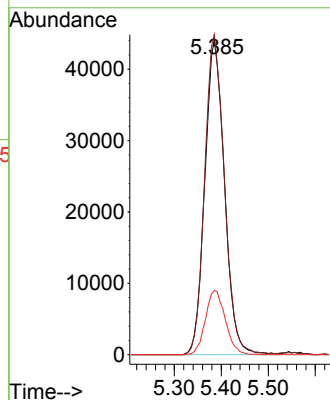
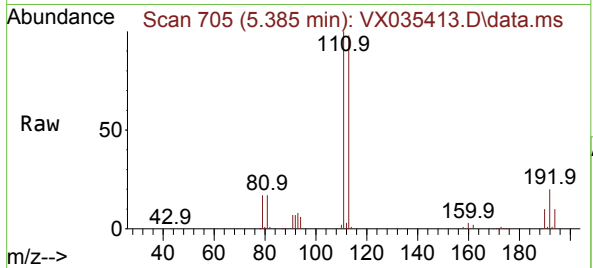




#35
Dibromofluoromethane
Concen: 50.397 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

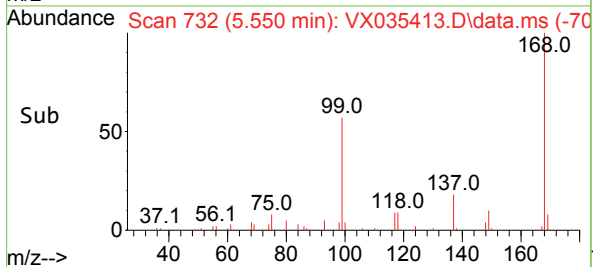
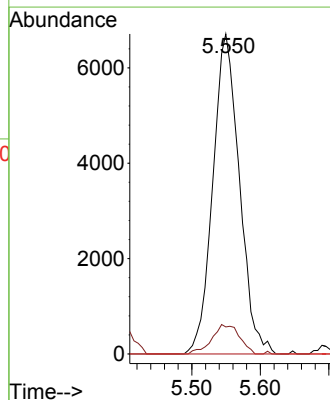
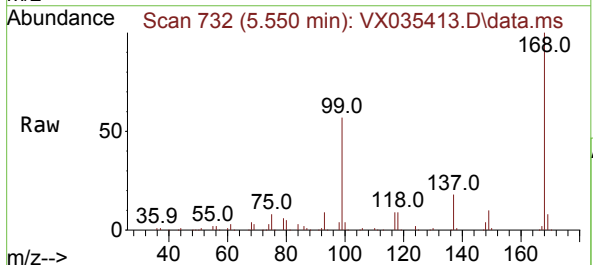
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

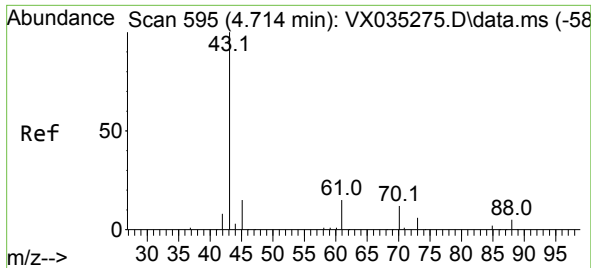
Tgt Ion:113 Resp: 128197
Ion Ratio Lower Upper
113 100
111 101.9 83.7 125.5
192 20.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.548 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 75 Resp: 18064
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.185 ug/l

RT: 4.714 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB152434TB

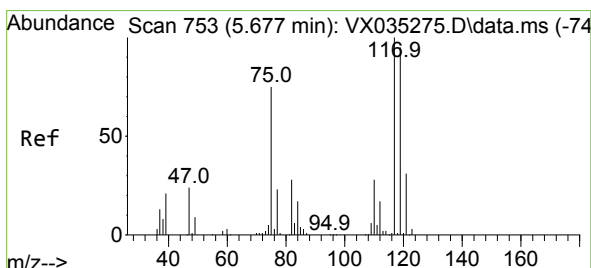
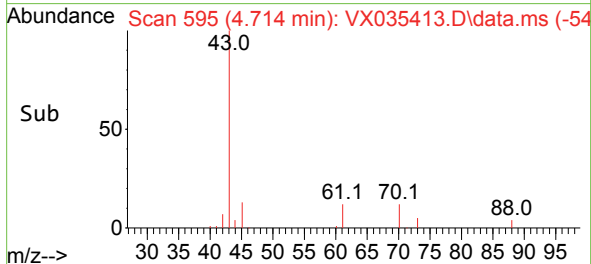
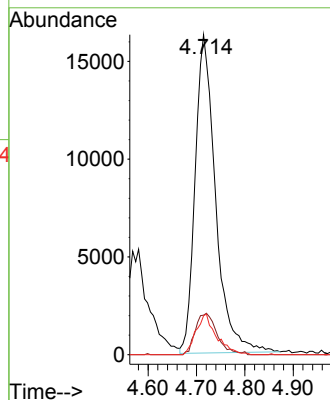
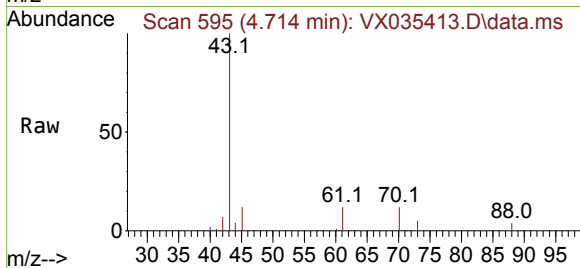
Tgt Ion: 43 Resp: 47831

Ion Ratio Lower Upper

43 100

61 13.9 10.2 15.4

70 12.7 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 6.565 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

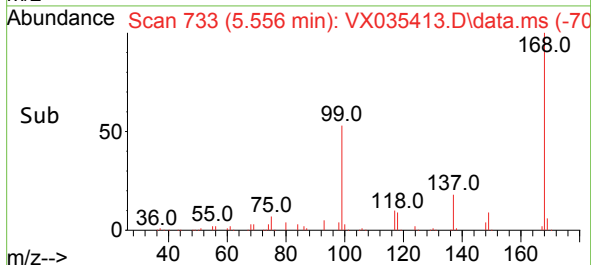
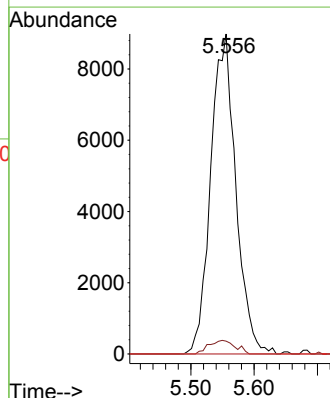
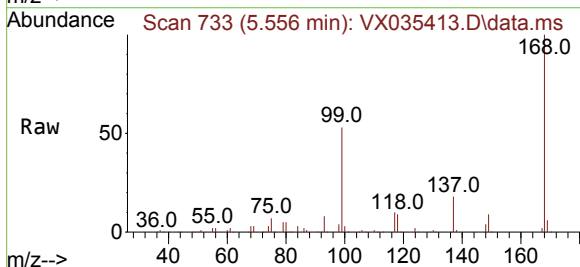
Tgt Ion: 117 Resp: 24753

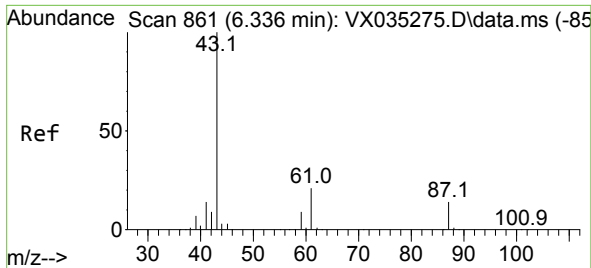
Ion Ratio Lower Upper

117 100

119 4.0 76.6 114.8#

121 0.0 23.8 35.6#

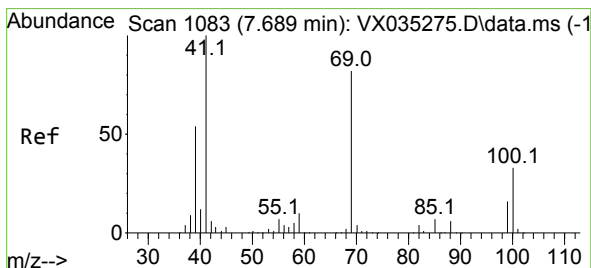
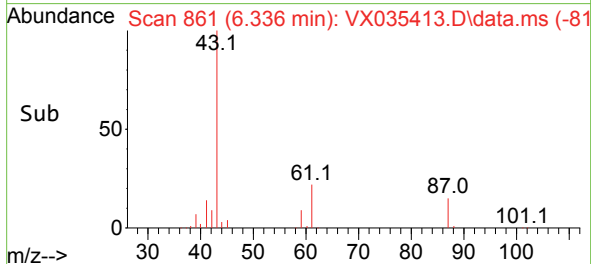
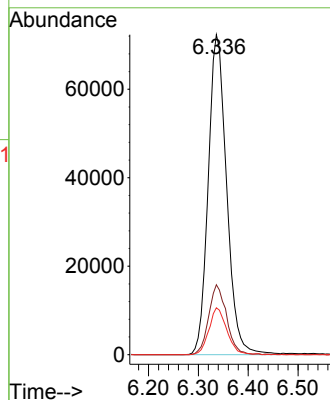
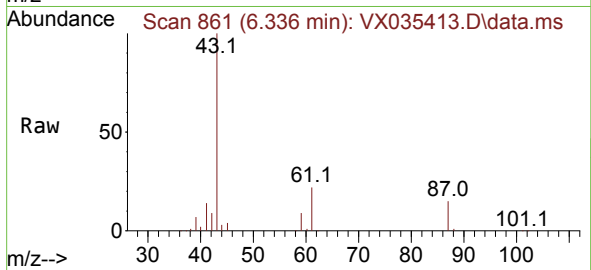




#43
Isopropyl Acetate
Concen: 30.481 ug/l
RT: 6.336 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

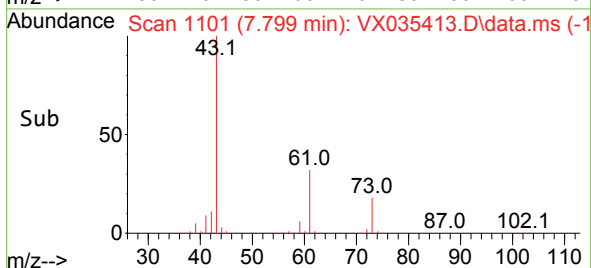
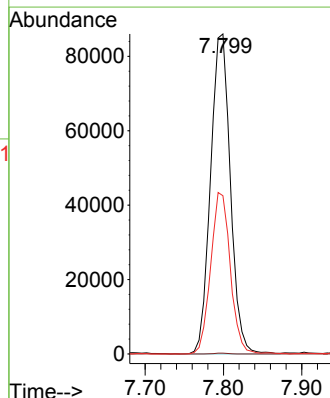
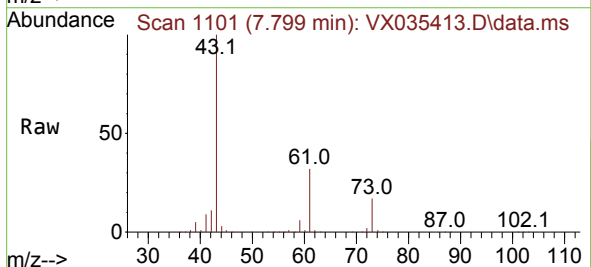
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

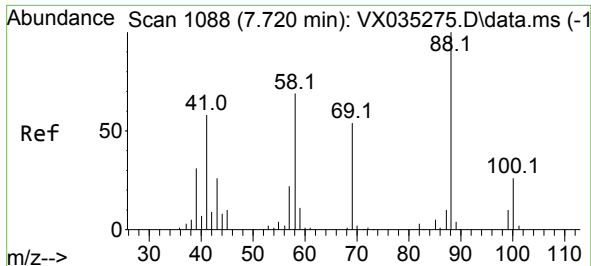
Tgt Ion: 43 Resp: 185802
Ion Ratio Lower Upper
43 100
61 21.2 15.2 22.8
87 14.3 9.8 14.8



#48
Methyl methacrylate
Concen: 50.611 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 41 Resp: 151330
Ion Ratio Lower Upper
41 100
69 0.2 62.2 93.4#
39 50.1 47.7 71.5





#49

1,4-Dioxane

Concen: 5.282 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.079 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB152434TB

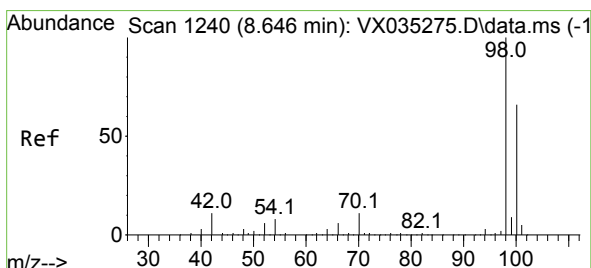
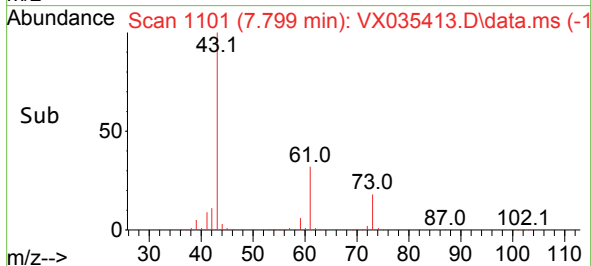
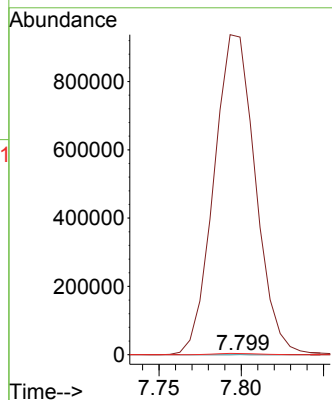
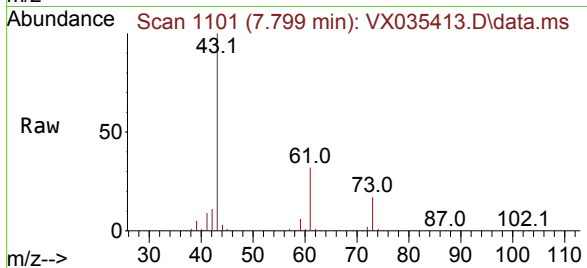
Tgt Ion: 88 Resp: 385

Ion Ratio Lower Upper

88 100

43 430296.6 27.7 41.5#

58 1703.6 56.8 85.2#



#50

Toluene-d8

Concen: 50.738 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX035413.D

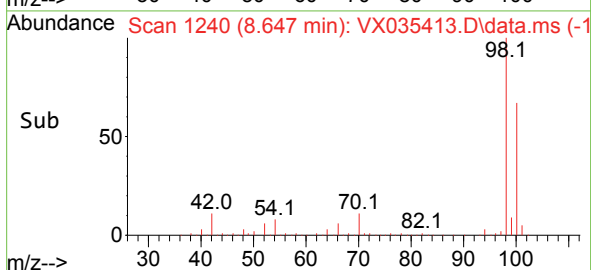
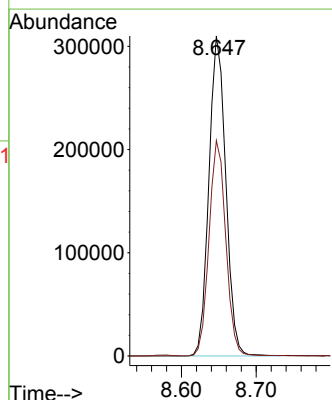
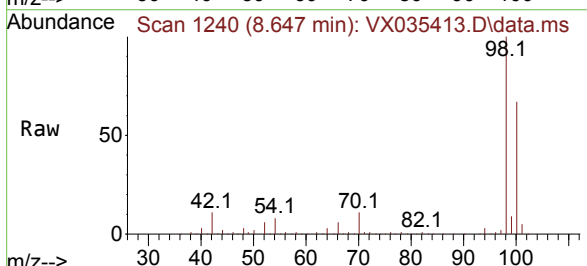
Acq: 29 Apr 2023 00:36

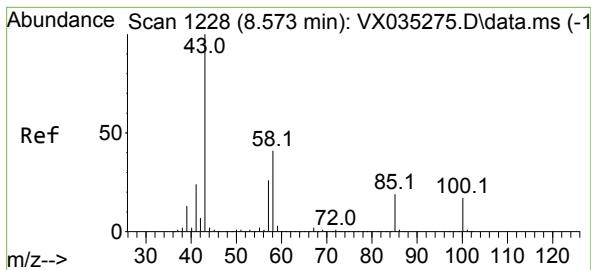
Tgt Ion: 98 Resp: 486873

Ion Ratio Lower Upper

98 100

100 67.0 52.5 78.7

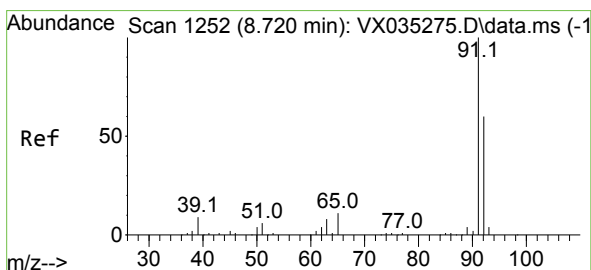
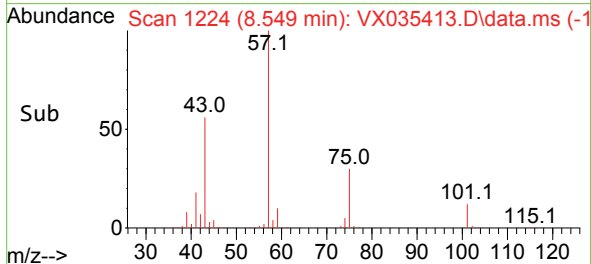
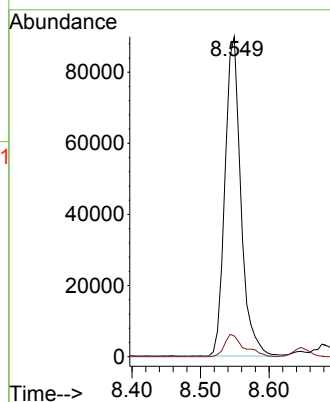
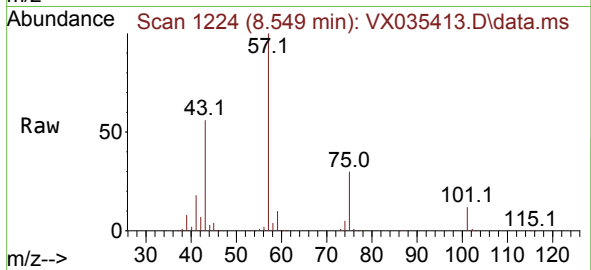




#51
4-Methyl-2-Pentanone
Concen: 38.477 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

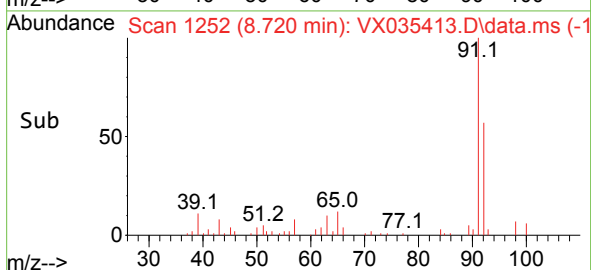
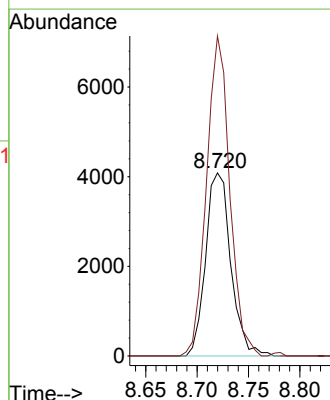
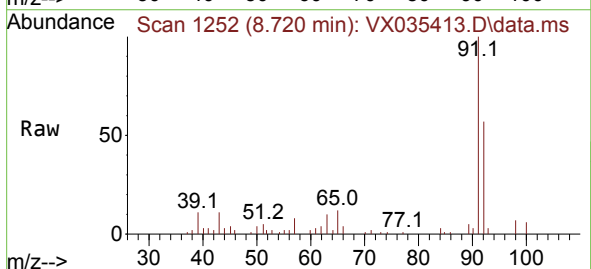
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

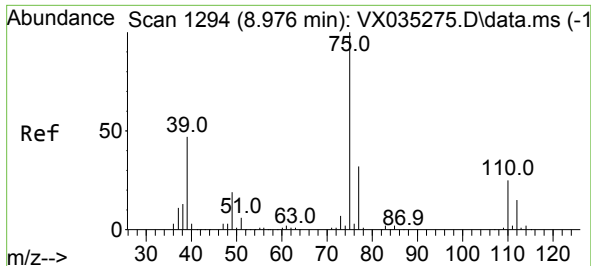
Tgt Ion: 43 Resp: 144092
Ion Ratio Lower Upper
43 100
58 8.6 30.6 46.0#



#52
Toluene
Concen: 0.964 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 92 Resp: 6959
Ion Ratio Lower Upper
92 100
91 161.1 136.8 205.2

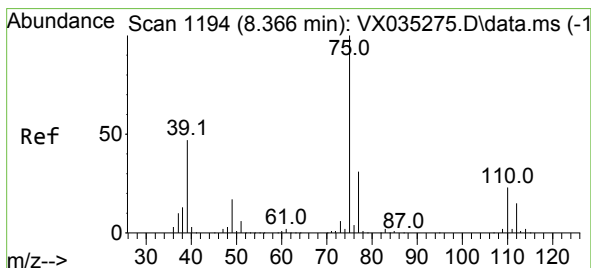
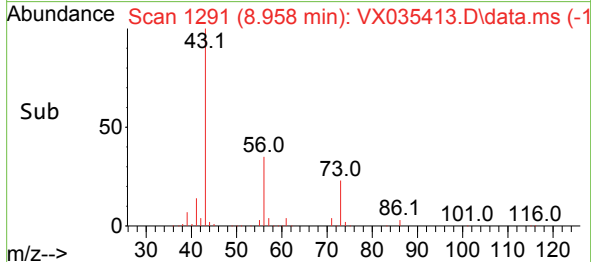
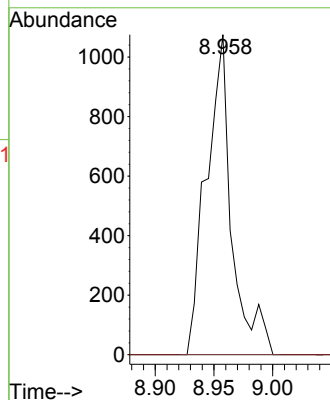
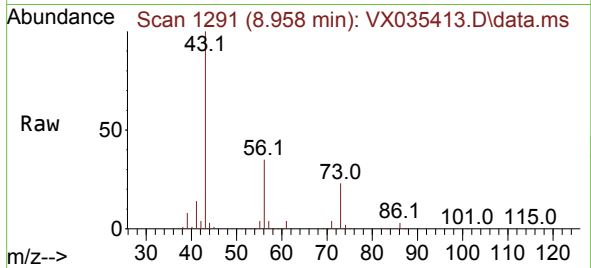




#53
 t-1,3-Dichloropropene
 Concen: 0.423 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX035413.D
 Acq: 29 Apr 2023 00:36

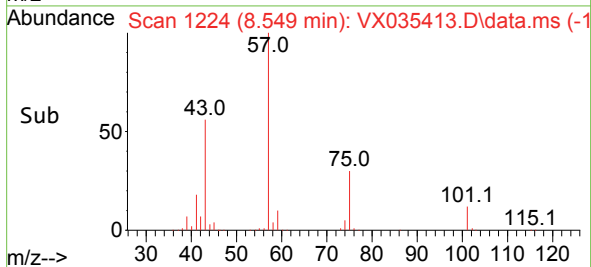
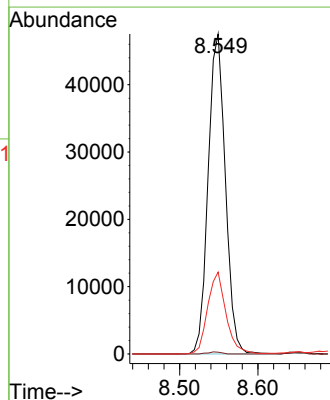
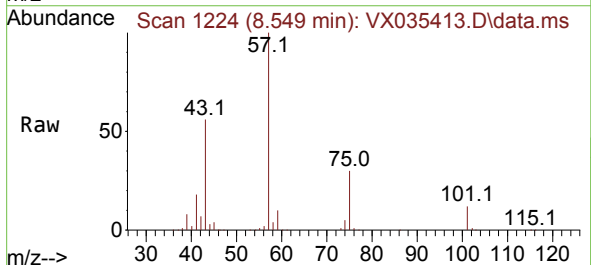
Instrument :
 MSVOA_X
 ClientSampleId :
 PB152434TB

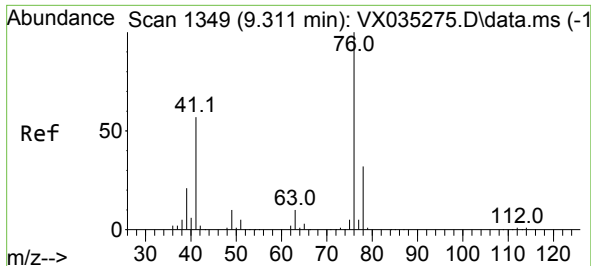
Tgt Ion: 75 Resp: 1607
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 16.868 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX035413.D
 Acq: 29 Apr 2023 00:36

Tgt Ion: 75 Resp: 72368
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 25.6 44.6 66.8#





#57

1,3-Dichloropropane

Concen: 1.777 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

Instrument :

MSVOA_X

ClientSampleId :

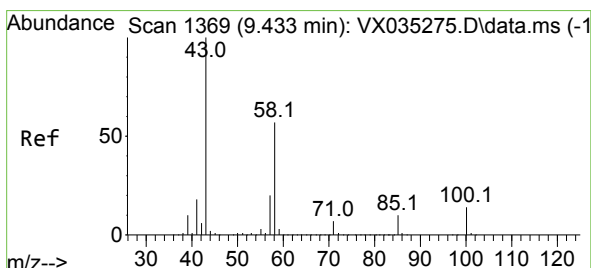
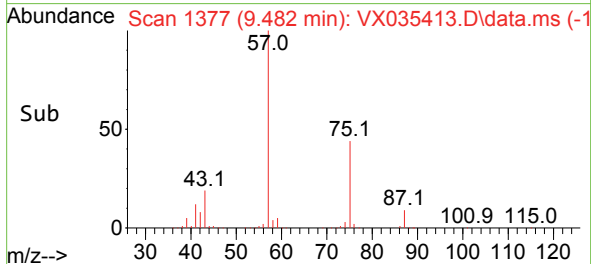
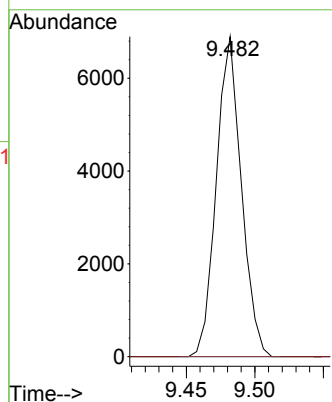
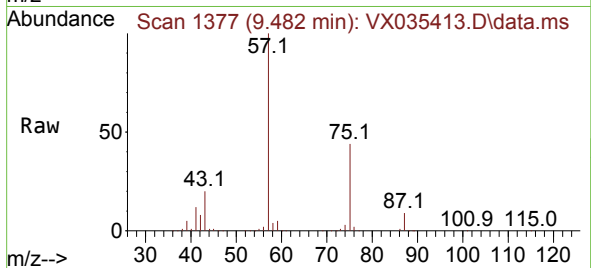
PB152434TB

Tgt Ion: 76 Resp: 8751

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 40.287 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX035413.D

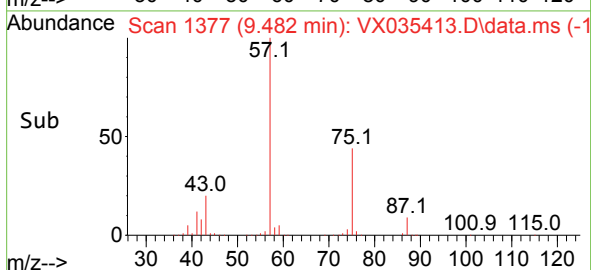
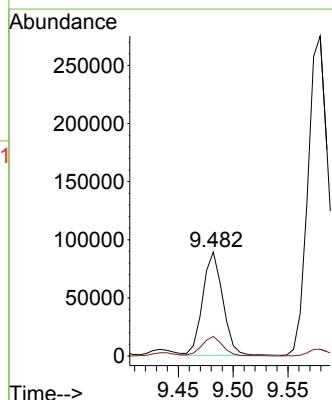
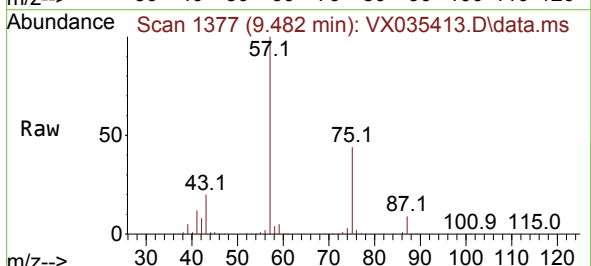
Acq: 29 Apr 2023 00:36

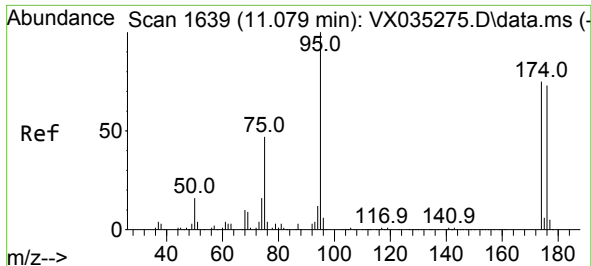
Tgt Ion: 43 Resp: 113342

Ion Ratio Lower Upper

43 100

58 19.4 26.3 78.9#

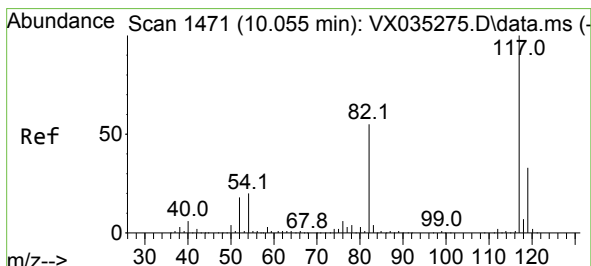
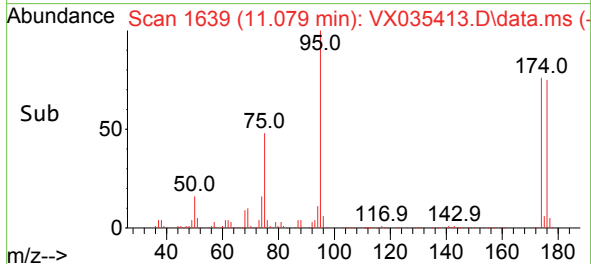
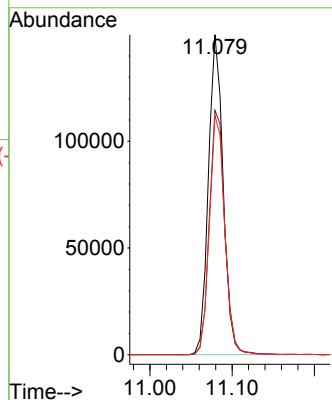
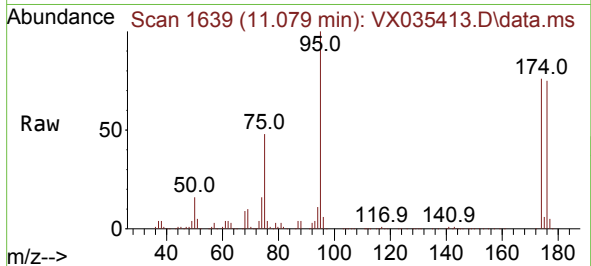




#62
4-Bromofluorobenzene
Concen: 51.779 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

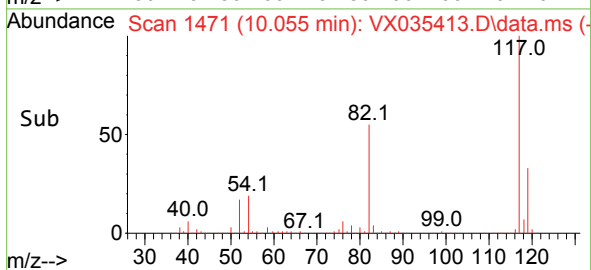
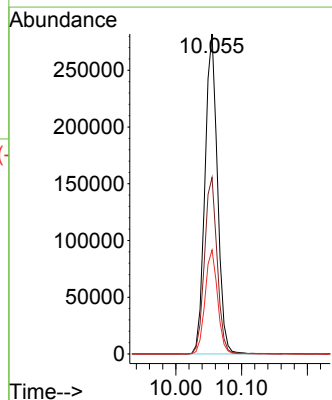
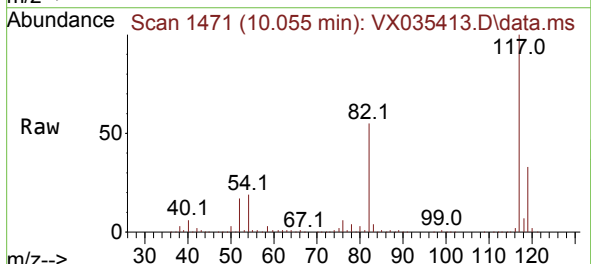
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

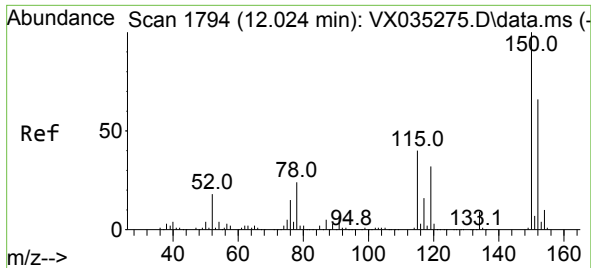
Tgt Ion: 95 Resp: 186910
Ion Ratio Lower Upper
95 100
174 80.0 0.0 147.4
176 77.4 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 117 Resp: 373205
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 32.5 26.0 39.0

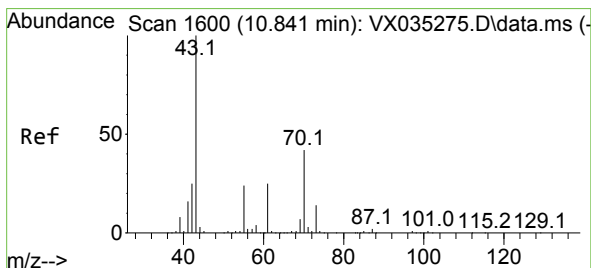
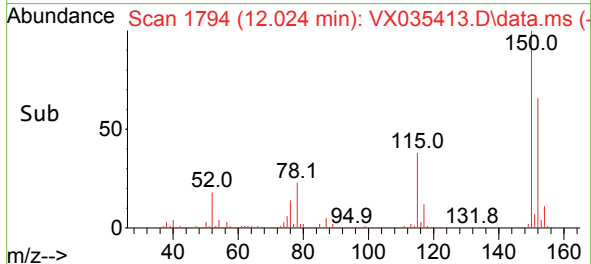
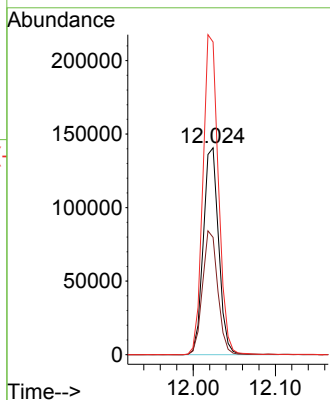
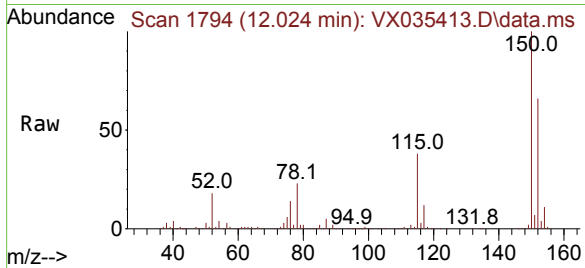




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

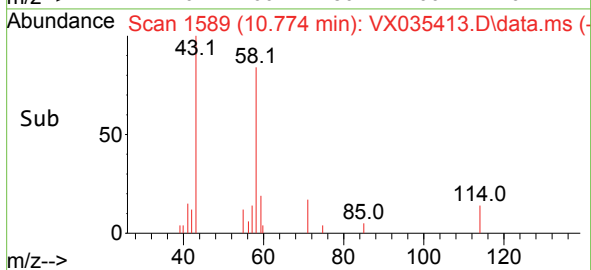
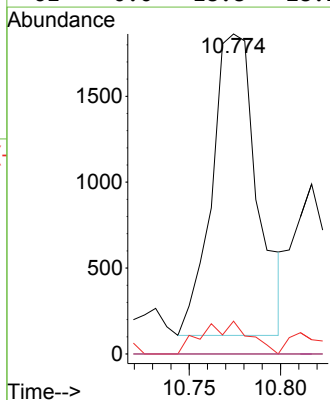
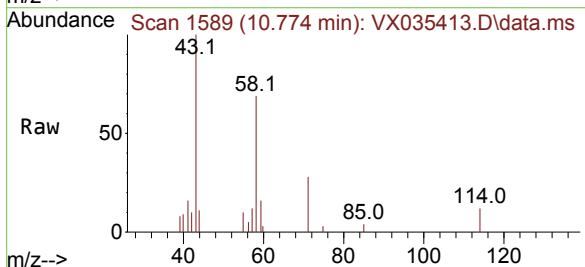
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

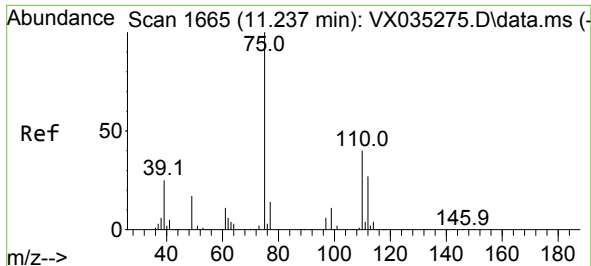
Tgt Ion:152 Resp: 182711
Ion Ratio Lower Upper
152 100
115 59.5 45.0 135.0
150 155.7 0.0 352.4



#74
N-ethyl acetate
Concen: 0.603 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
70 0.0 32.1 48.1#
55 11.2 18.3 27.5#
61 0.0 18.8 28.2#

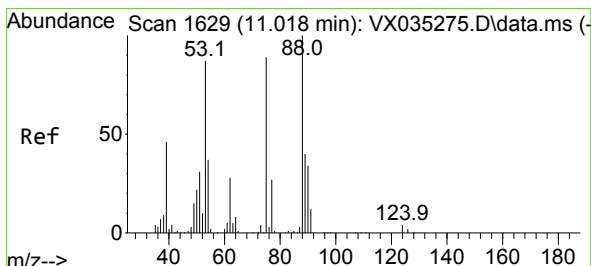
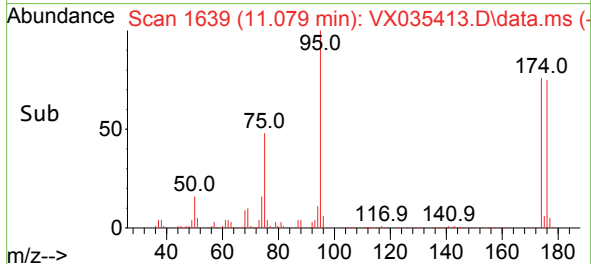
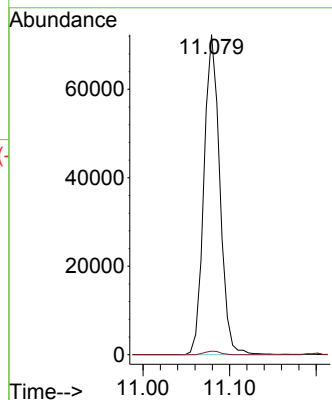
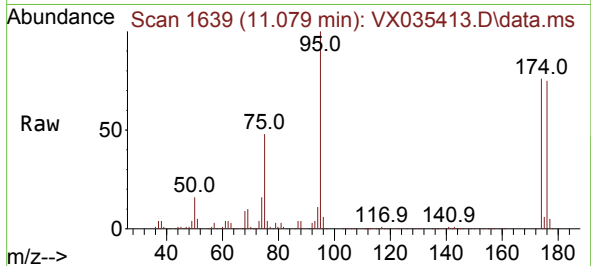




#76
1,2,3-Trichloropropane
Concen: 25.220 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

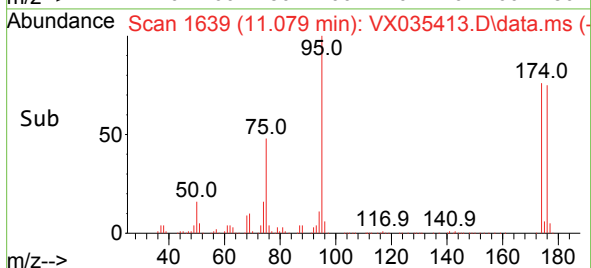
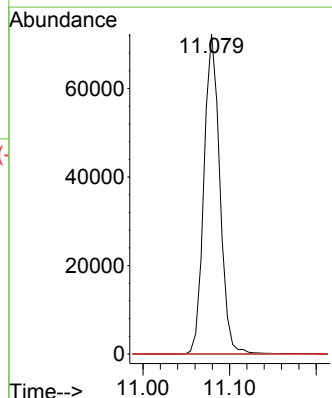
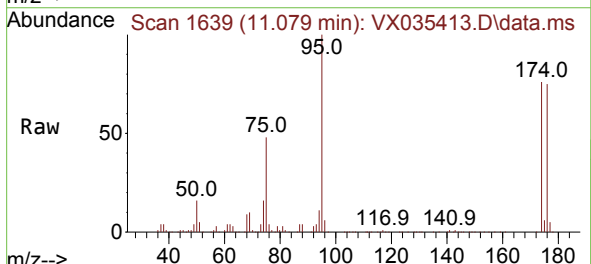
Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

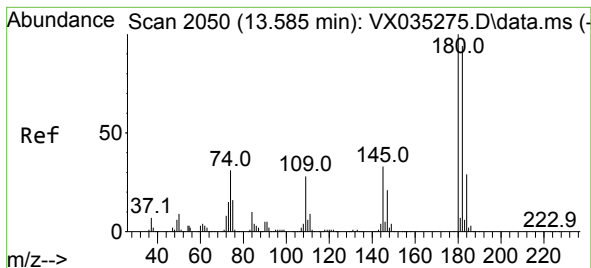
Tgt Ion: 75 Resp: 91920
Ion Ratio Lower Upper
75 100
77 1.1 21.6 64.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.684 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion: 75 Resp: 91920
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.326 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

Instrument :

MSVOA_X

ClientSampleId :

PB152434TB

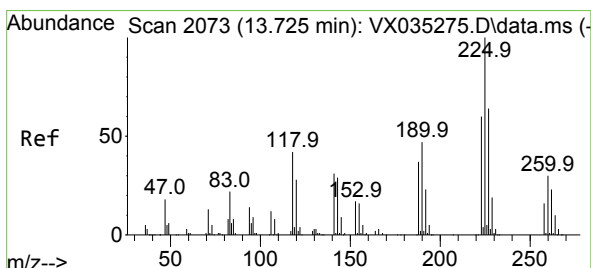
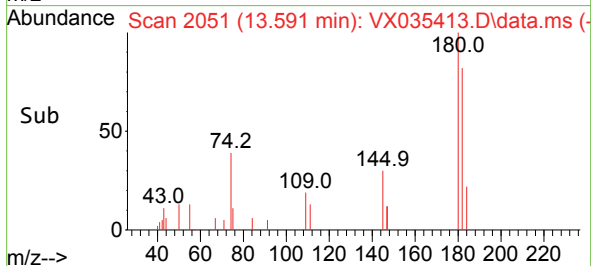
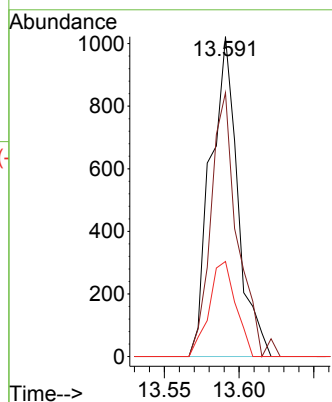
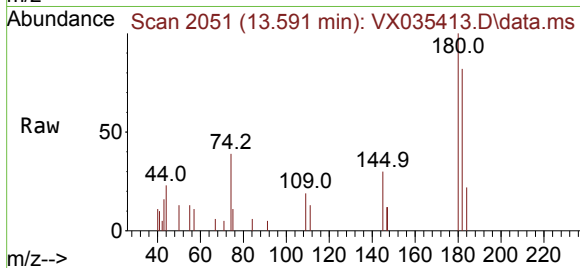
Tgt Ion:180 Resp: 1292

Ion Ratio Lower Upper

180 100

182 80.4 47.0 141.0

145 29.1 15.9 47.7



#94

Hexachlorobutadiene

Concen: 0.666 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX035413.D

Acq: 29 Apr 2023 00:36

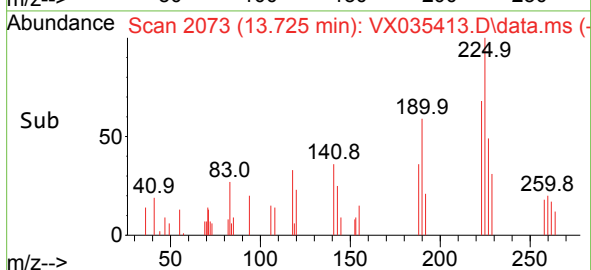
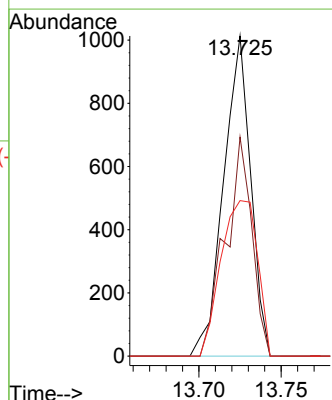
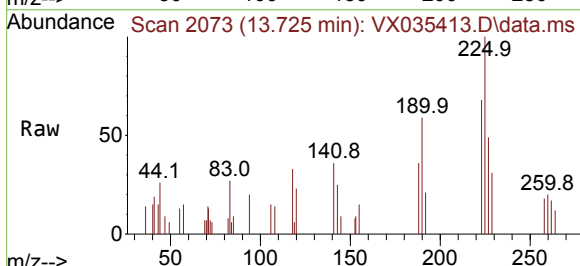
Tgt Ion:225 Resp: 1159

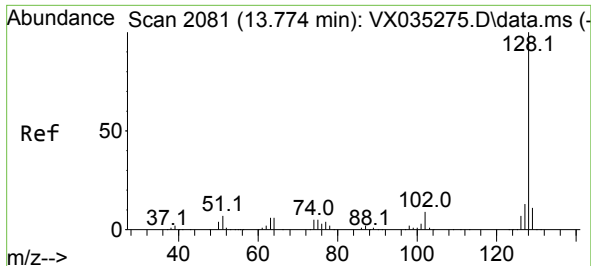
Ion Ratio Lower Upper

225 100

223 67.0 32.1 96.5

227 65.6 31.8 95.4

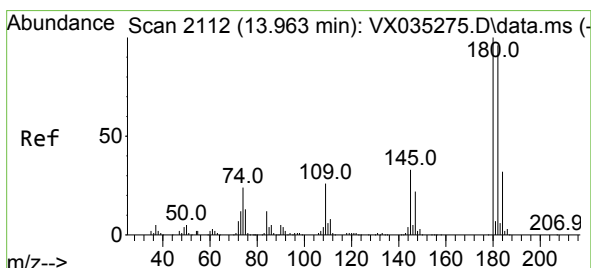
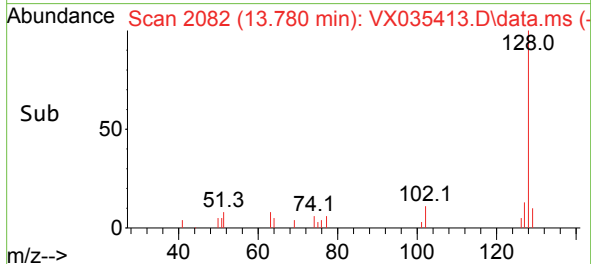
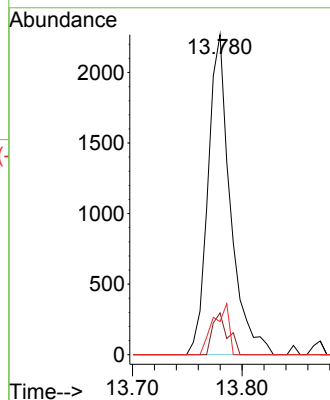
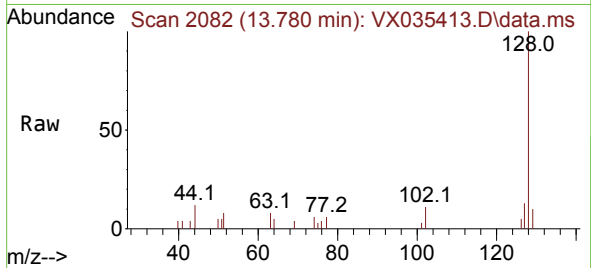




#95
Naphthalene
Concen: 0.263 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Instrument :
MSVOA_X
ClientSampleId :
PB152434TB

Tgt Ion:128 Resp: 3214
Ion Ratio Lower Upper
128 100
127 9.0 10.2 15.4#
129 11.2 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.293 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX035413.D
Acq: 29 Apr 2023 00:36

Tgt Ion:180 Resp: 1171
Ion Ratio Lower Upper
180 100
182 80.3 48.0 144.2
145 32.8 17.7 53.1

