

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
 Data File : VX028781.D
 Acq On : 18 May 2022 01:02
 Operator : JC/MD
 Sample : PB144875TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144875TB

Quant Time: May 18 04:59:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

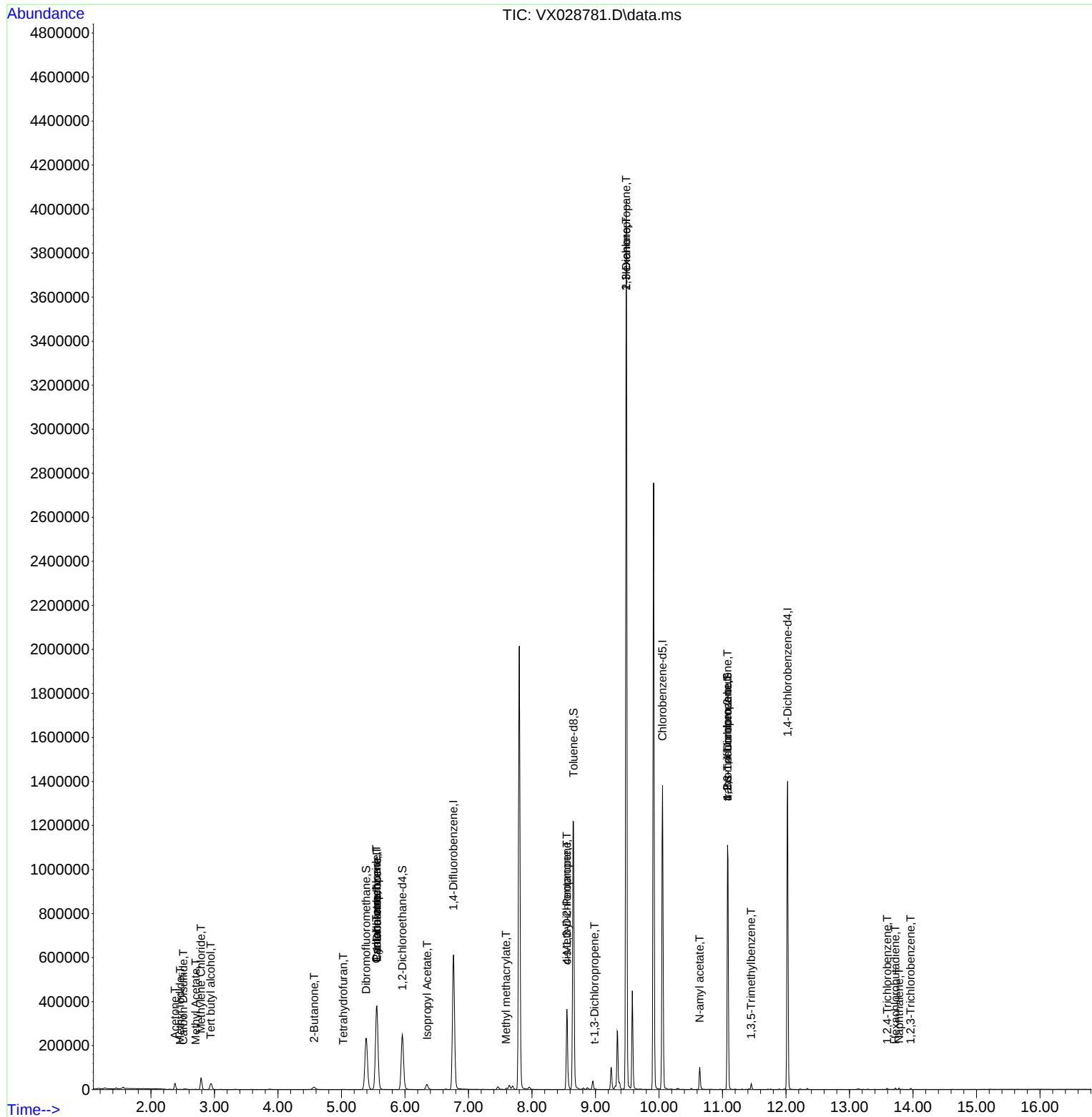
Internal Standards						
1) Pentafluorobenzene	5.556	168	349953	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	614749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	593669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	282605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	253076	52.757	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.520%			
35) Dibromofluoromethane	5.385	113	204044	50.660	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.320%			
50) Toluene-d8	8.653	98	742744	48.912	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.820%			
62) 4-Bromofluorobenzene	11.079	95	302453	53.325	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.660%			
Target Compounds						
						Qvalue
5) Bromomethane	1.618	94	832	Below Cal		91
6) Chloroethane	1.599	64	177	Below Cal	#	86
10) Methyl Iodide	2.459	142	1450	0.310	ug/l #	86
11) Tert butyl alcohol	2.941	59	16808	8.813	ug/l #	76
16) Acetone	2.380	43	30390	14.761	ug/l	93
17) Carbon Disulfide	2.508	76	2119	0.226	ug/l #	78
18) Methyl Acetate	2.703	43	2575	0.499	ug/l #	80
20) Methylene Chloride	2.788	84	23777	5.505	ug/l	93
25) 2-Butanone	4.568	43	6635	2.053	ug/l	96
29) Tetrahydrofuran	5.026	42	502	0.239	ug/l #	75
31) Cyclohexane	5.556	56	7784	1.169	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	28635	4.733	ug/l #	50
38) Carbon Tetrachloride	5.550	117	37867	6.220	ug/l #	15
43) Isopropyl Acetate	6.348	43	31792	3.216	ug/l	95
48) Methyl methacrylate	7.592	41	7873	1.649	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	124461	19.114	ug/l #	43
53) t-1,3-Dichloropropene	8.982	75	352	1.690	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	59230	8.752	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	35748	4.647	ug/l #	43
59) 2-Hexanone	9.482	43	465163	91.950	ug/l #	43
74) N-amyl acetate	10.640	43	22213	2.637	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	160159	24.199	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	10652	0.596	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	160159	70.474	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.591	180	1190	0.211	ug/l	88
94) Hexachlorobutadiene	13.719	225	746	0.325	ug/l	96
95) Naphthalene	13.780	128	4246	0.211	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1314	0.232	ug/l	99

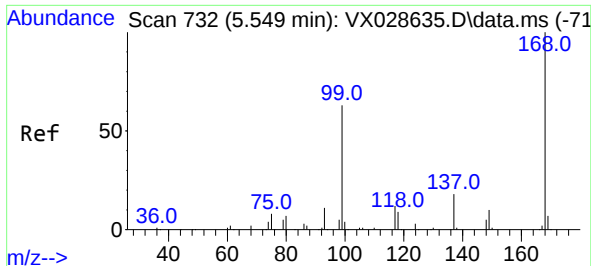
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051722\
Data File : VX028781.D
Acq On : 18 May 2022 01:02
Operator : JC/MD
Sample : PB144875TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

Quant Time: May 18 04:59:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

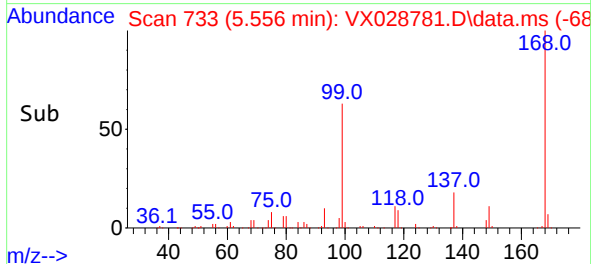
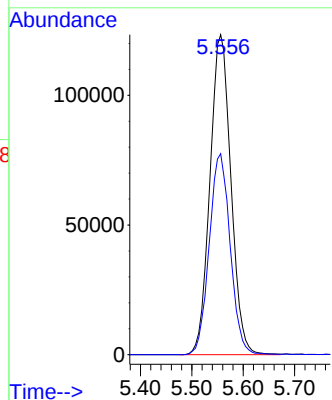
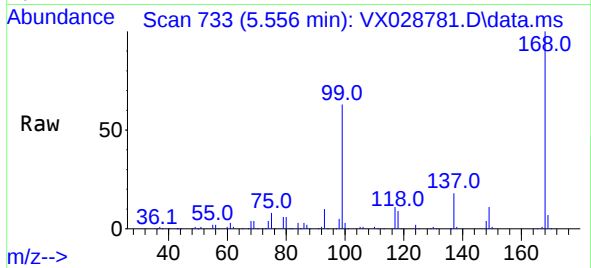




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

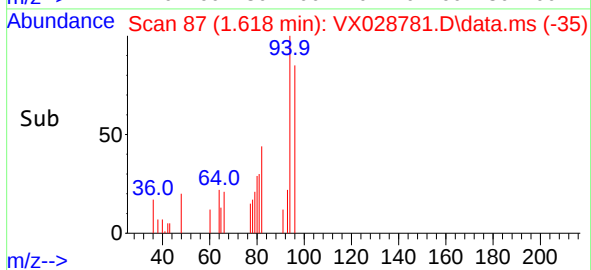
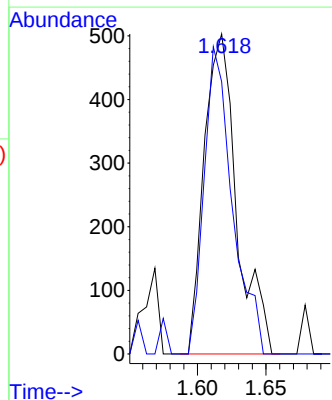
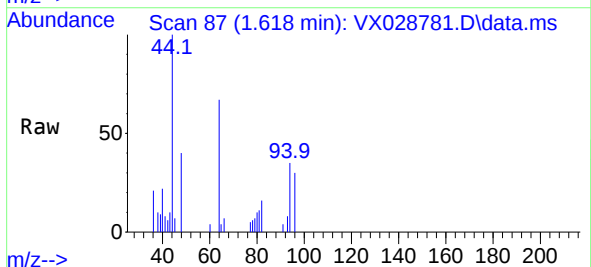
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

Tgt Ion:168 Resp: 349953
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#

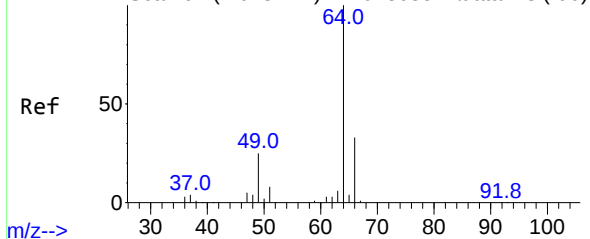


#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 94 Resp: 832
Ion Ratio Lower Upper
94 100
96 85.1 75.3 112.9



Abundance Scan 97 (1.678 min): VX028635.D\data.ms (-90)



#6

Chloroethane

Concen: Below Cal

RT: 1.599 min Scan# 84

Delta R.T. -0.079 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

PB144875TB

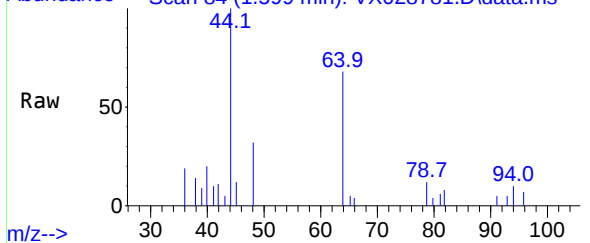
Tgt Ion: 64 Resp: 177

Ion Ratio Lower Upper

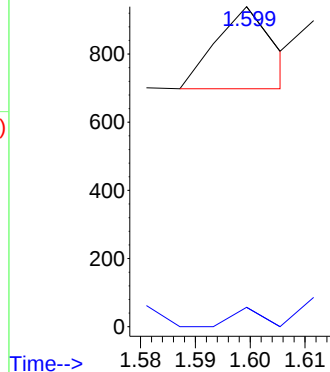
64 100

66 23.7 25.3 37.9#

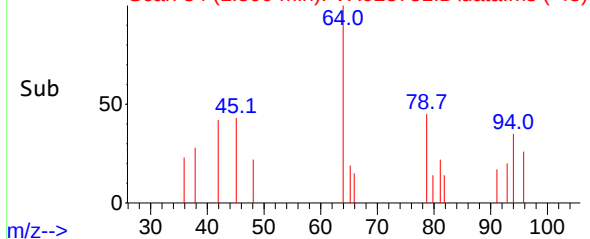
Abundance Scan 84 (1.599 min): VX028781.D\data.ms



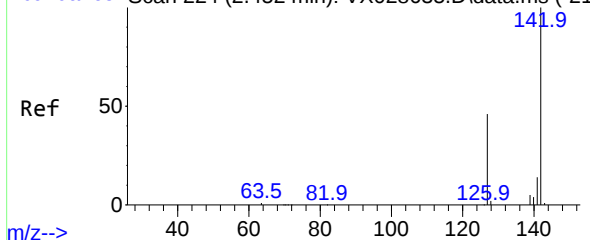
Abundance



Abundance Scan 84 (1.599 min): VX028781.D\data.ms (-48)



Abundance Scan 224 (2.452 min): VX028635.D\data.ms (-21)



#10

Methyl Iodide

Concen: 0.310 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.007 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

Tgt Ion:142 Resp: 1450

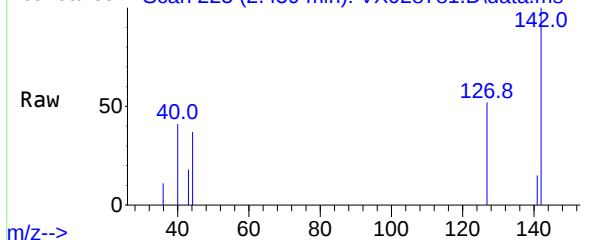
Ion Ratio Lower Upper

142 100

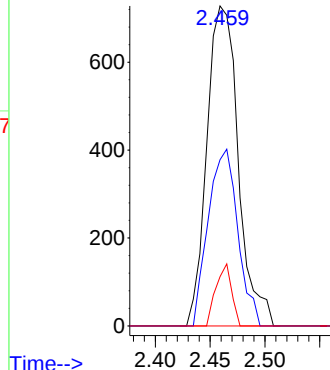
127 51.9 33.9 50.9#

141 9.7 11.4 17.2#

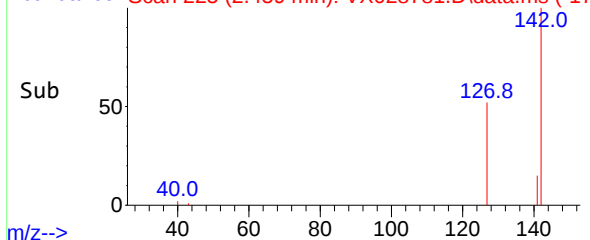
Abundance Scan 225 (2.459 min): VX028781.D\data.ms

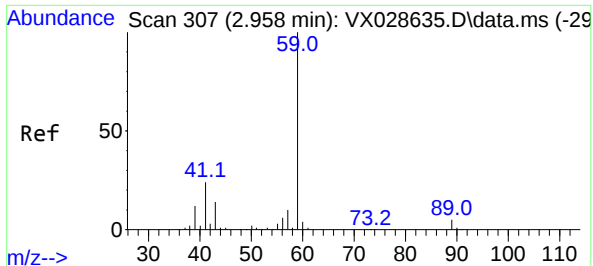


Abundance



Abundance Scan 225 (2.459 min): VX028781.D\data.ms (-17)





#11

Tert butyl alcohol

Concen: 8.813 ug/l

RT: 2.941 min Scan# 307

Delta R.T. -0.017 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

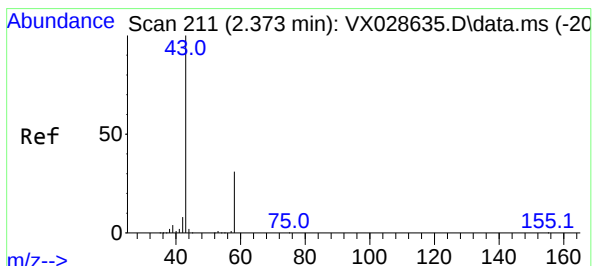
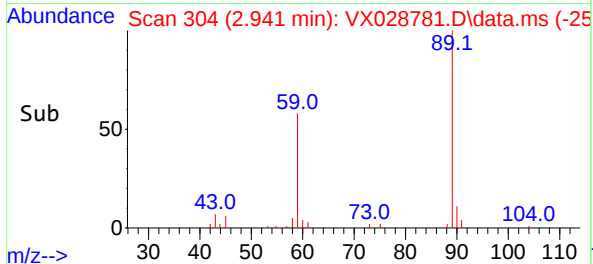
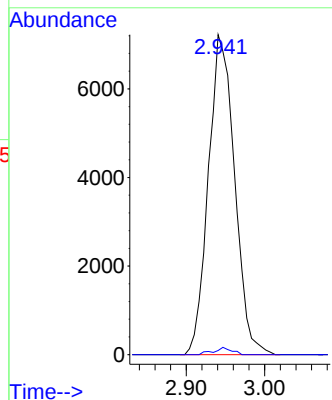
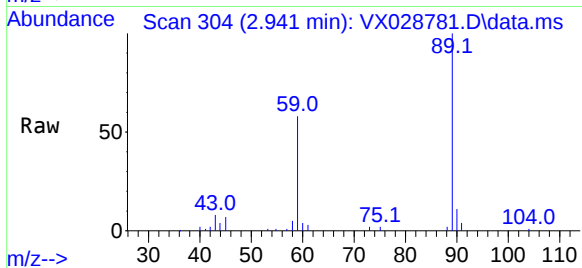
PB144875TB

Tgt Ion: 59 Resp: 16808

Ion Ratio Lower Upper

59 100

57 1.6 8.3 12.5#



#16

Acetone

Concen: 14.761 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX028781.D

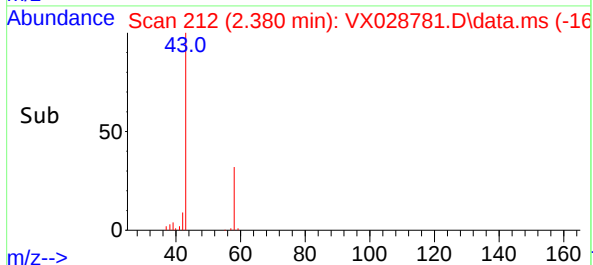
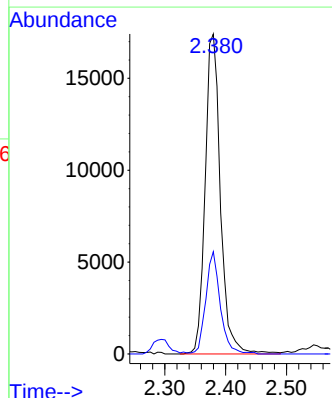
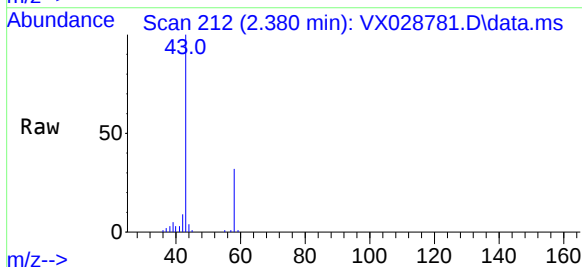
Acq: 18 May 2022 01:02

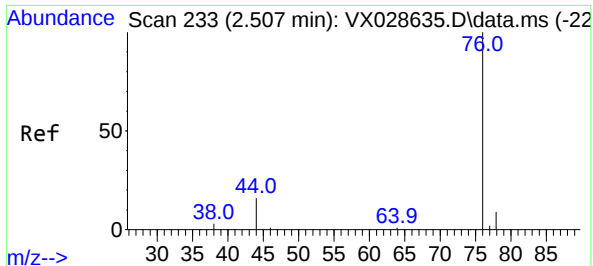
Tgt Ion: 43 Resp: 30390

Ion Ratio Lower Upper

43 100

58 32.0 28.8 43.2

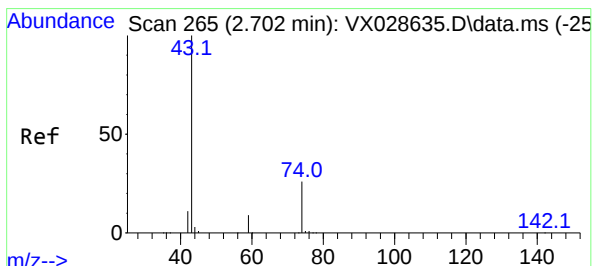
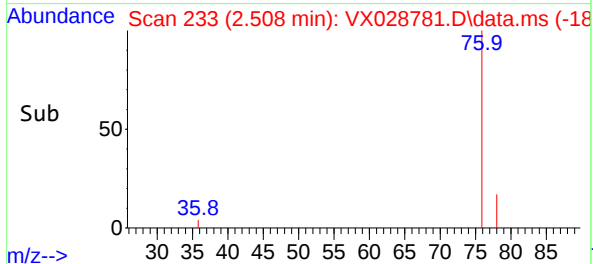
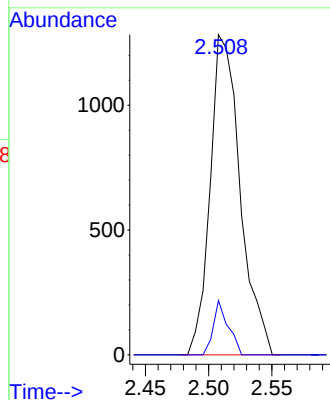
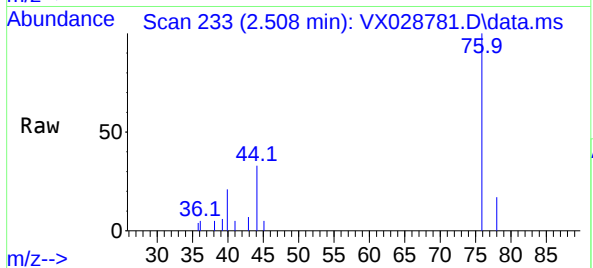




#17
Carbon Disulfide
Concen: 0.226 ug/l
RT: 2.508 min Scan# 2119
Delta R.T. 0.001 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

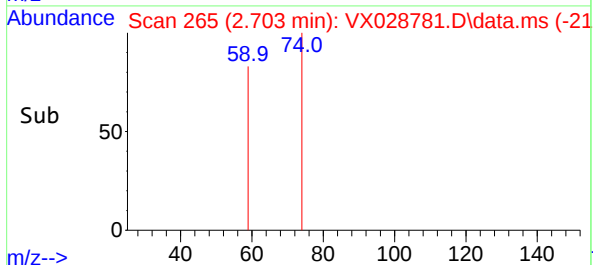
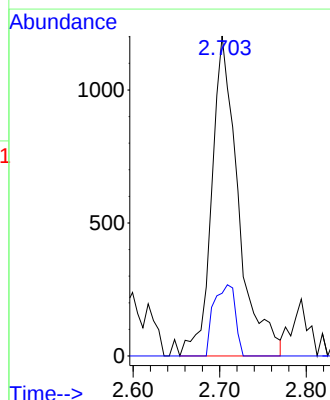
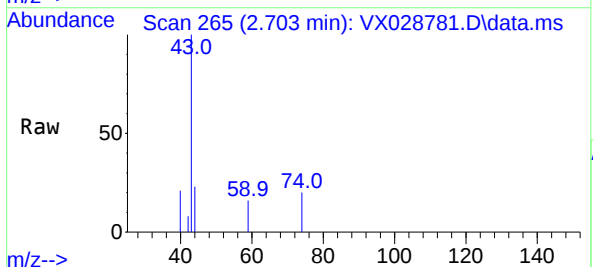
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

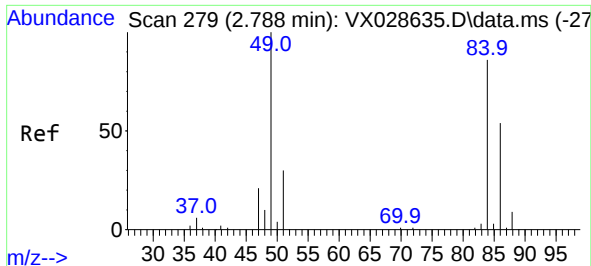
Tgt Ion: 76 Resp: 2119
Ion Ratio Lower Upper
76 100
78 17.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.499 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 43 Resp: 2575
Ion Ratio Lower Upper
43 100
74 17.8 22.8 34.2#



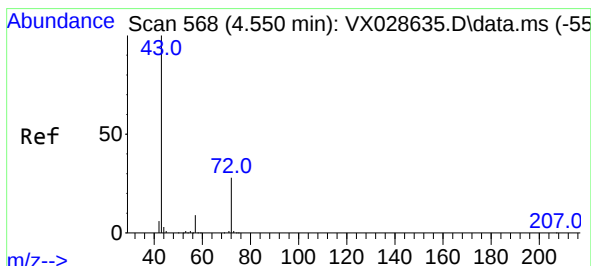
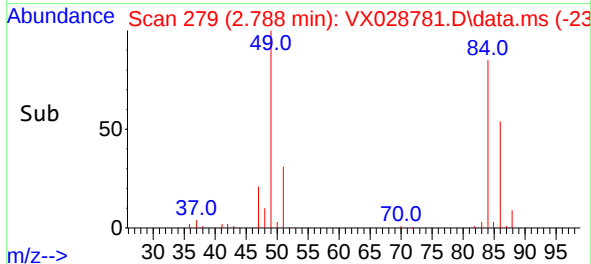
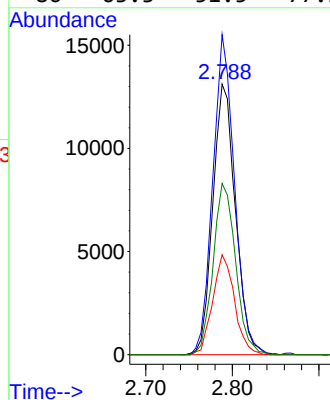
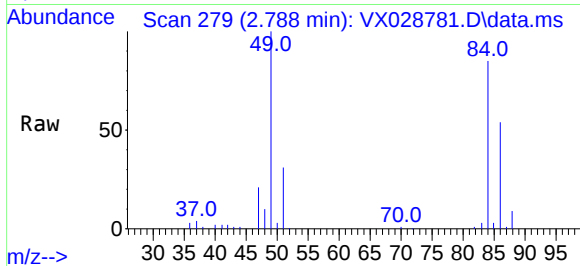


#20
Methylene Chloride
Concen: 5.505 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

Tgt Ion: 84 Resp: 23777

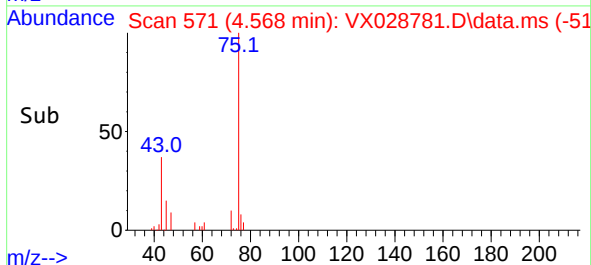
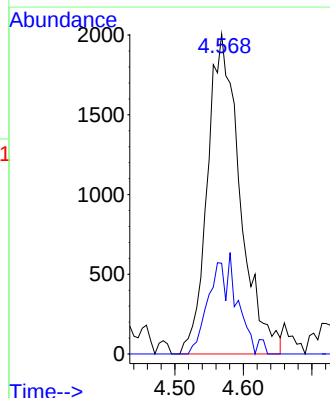
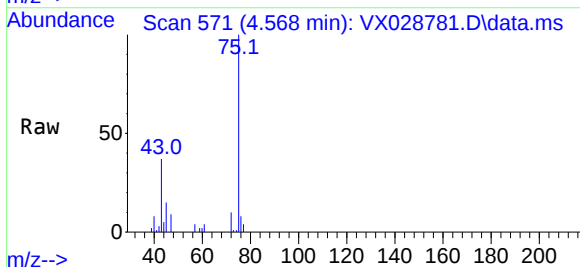
Ion	Ratio	Lower	Upper
84	100		
49	118.2	85.5	128.3
51	37.0	26.6	39.8
86	63.3	51.5	77.3

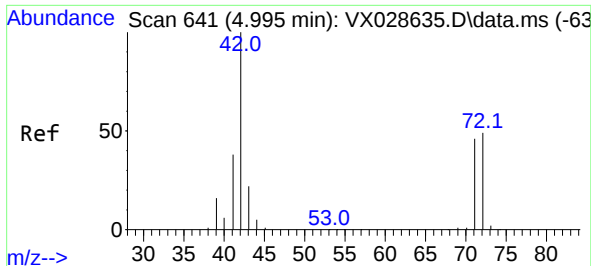


#25
2-Butanone
Concen: 2.053 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 43 Resp: 6635

Ion	Ratio	Lower	Upper
43	100		
72	28.4	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

PB144875TB

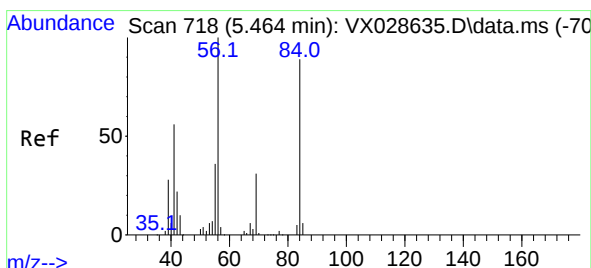
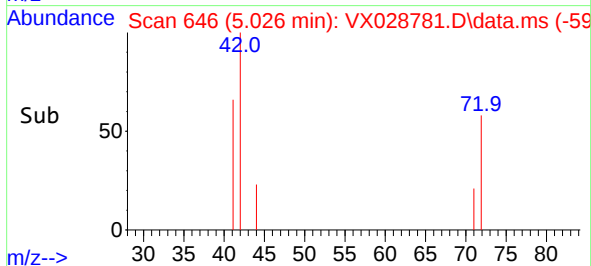
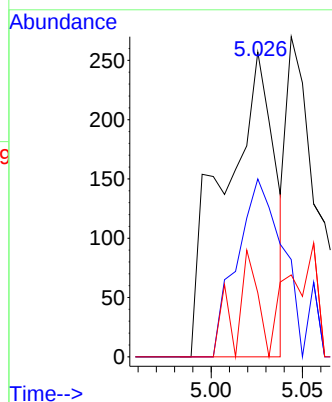
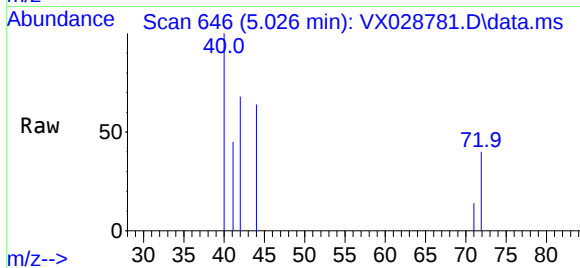
Tgt Ion: 42 Resp: 502

Ion Ratio Lower Upper

42 100

72 56.2 44.1 66.1

71 14.9 40.5 60.7#



#31

Cyclohexane

Concen: 1.169 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

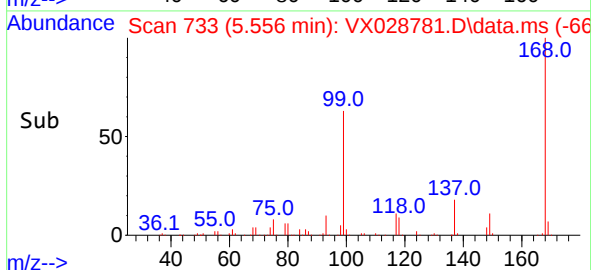
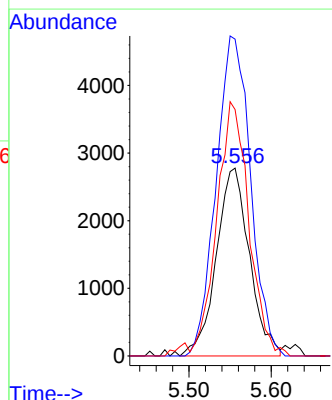
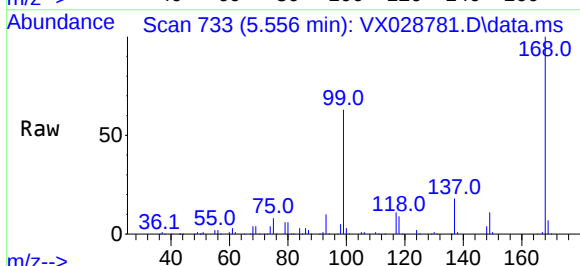
Tgt Ion: 56 Resp: 7784

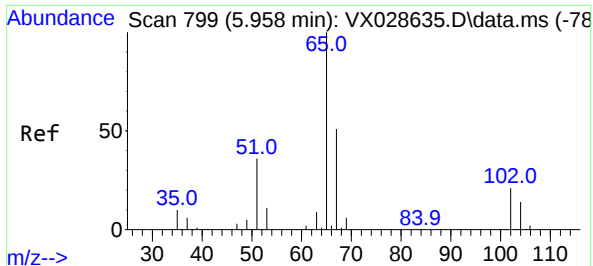
Ion Ratio Lower Upper

56 100

69 168.7 26.7 40.1#

84 126.6 77.2 115.8#

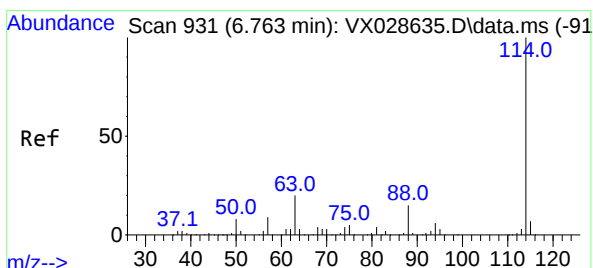
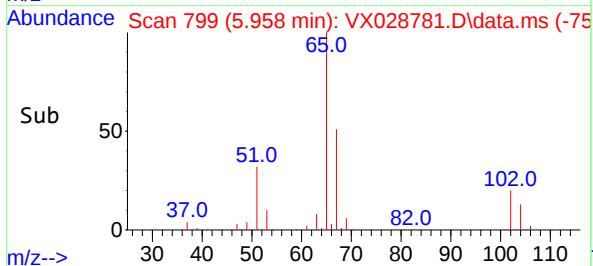
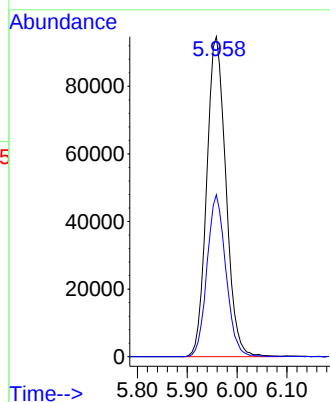
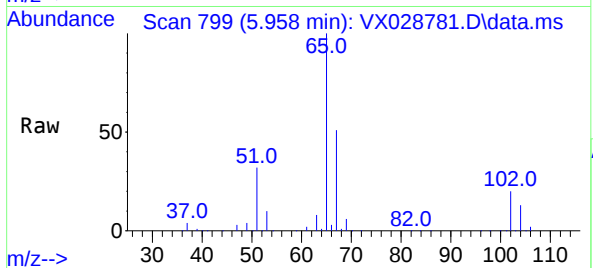




#33
1,2-Dichloroethane-d4
Concen: 52.757 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

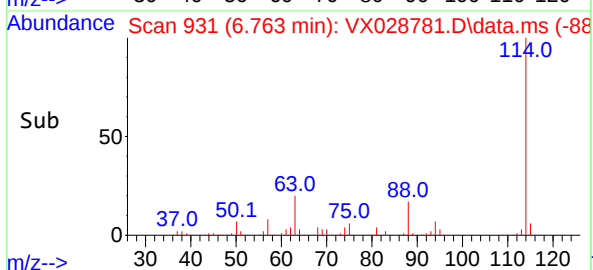
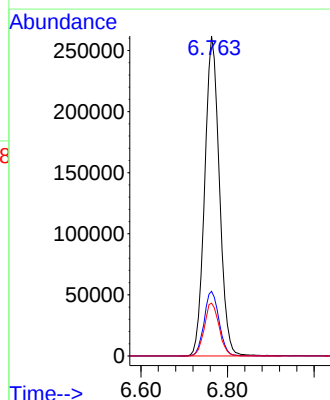
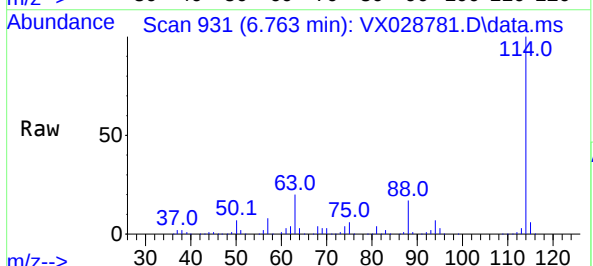
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

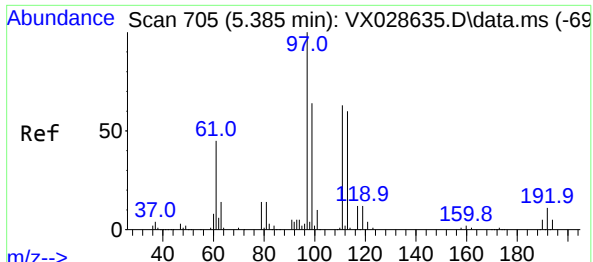
Tgt Ion: 65 Resp: 253076
Ion Ratio Lower Upper
65 100
67 49.7 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 114 Resp: 614749
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.8
88 16.5 0.0 32.4

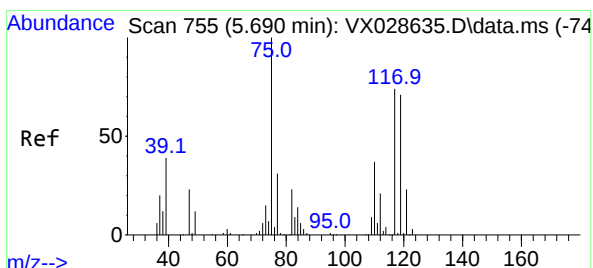
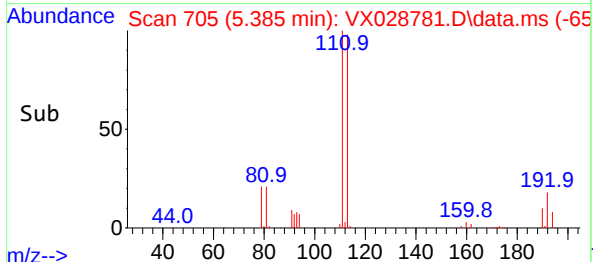
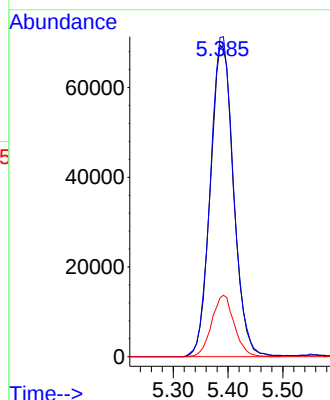
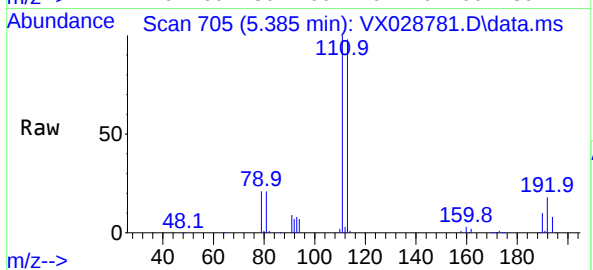




#35
Dibromofluoromethane
Concen: 50.660 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

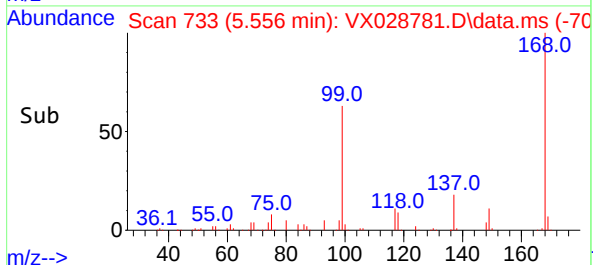
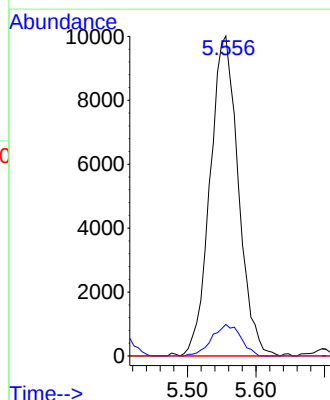
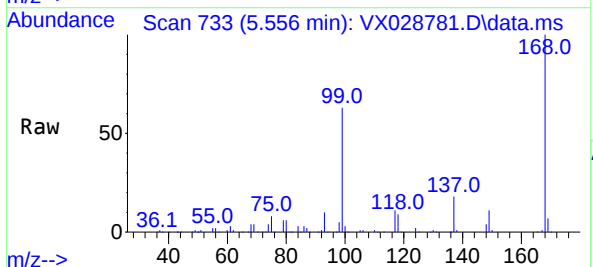
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

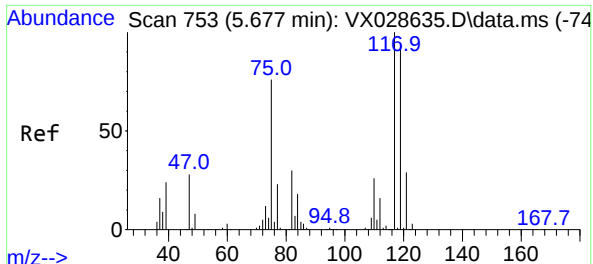
Tgt Ion:113 Resp: 204044
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.733 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

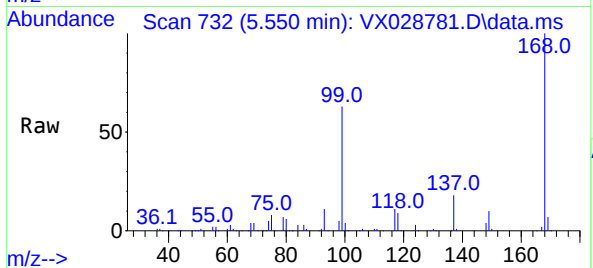
Tgt Ion: 75 Resp: 28635
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



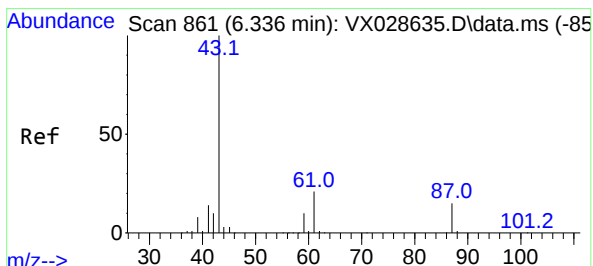
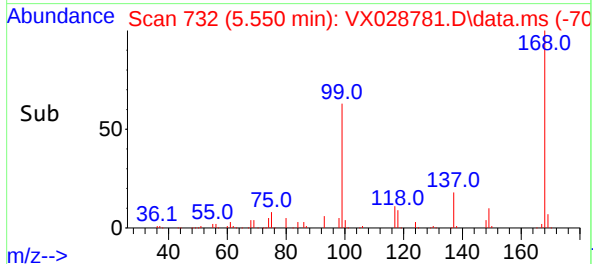
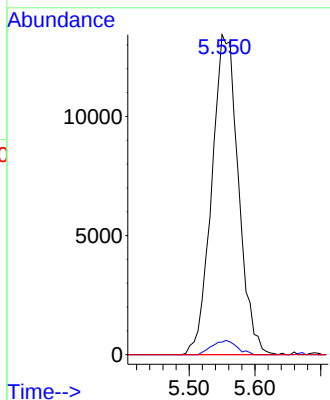


#38
Carbon Tetrachloride
Concen: 6.220 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

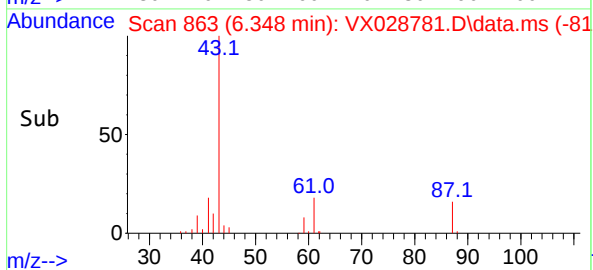
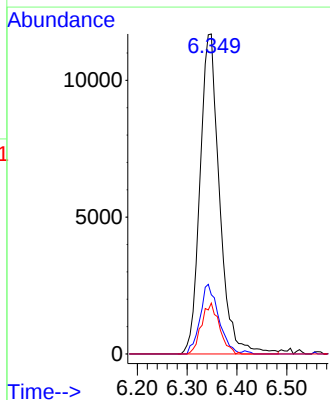
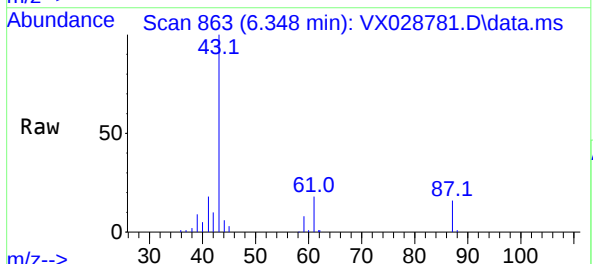


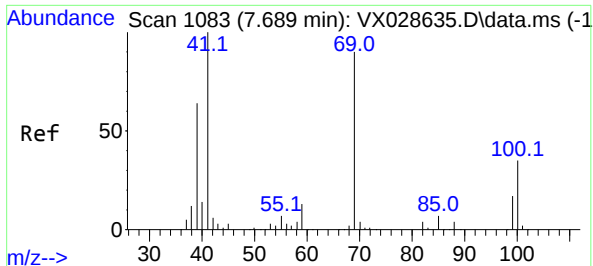
Tgt Ion:117 Resp: 37867
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.216 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 43 Resp: 31792
Ion Ratio Lower Upper
43 100
61 20.7 18.5 27.7
87 14.6 13.0 19.6

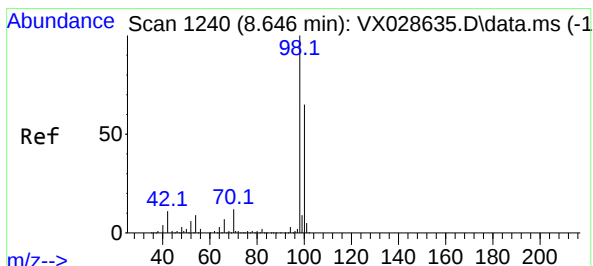
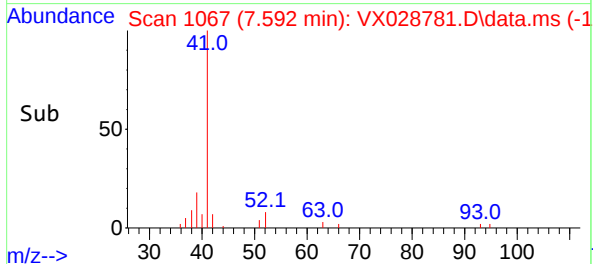
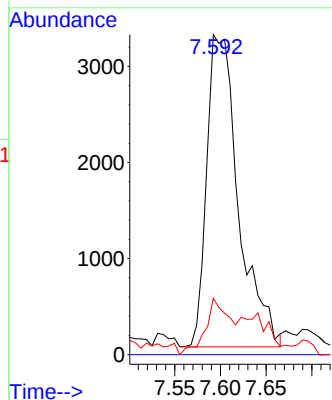
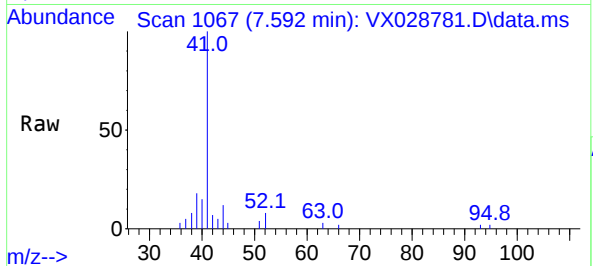




#48
Methyl methacrylate
Concen: 1.649 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.097 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

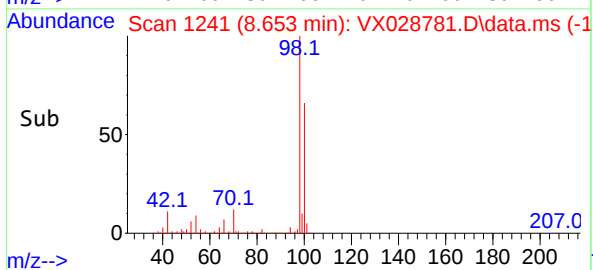
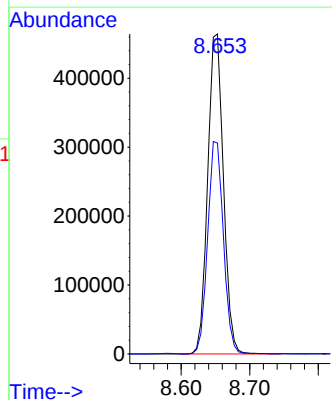
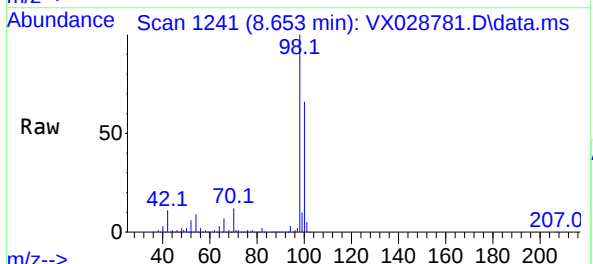
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

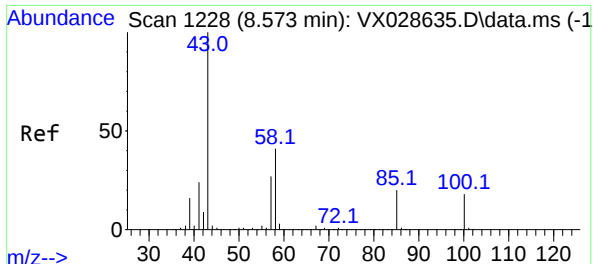
Tgt Ion: 41 Resp: 7873
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#50
Toluene-d8
Concen: 48.912 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 98 Resp: 742744
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

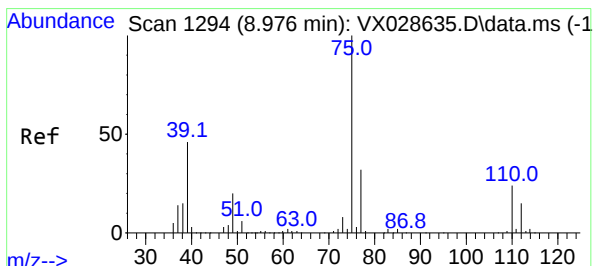
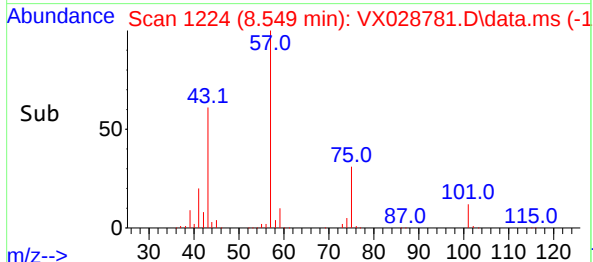
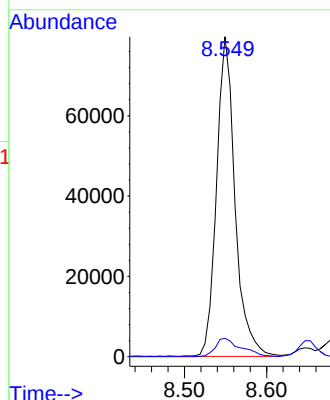
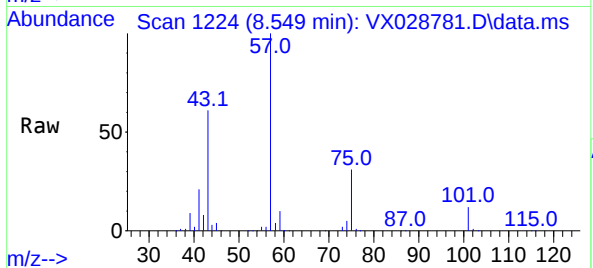




#51
4-Methyl-2-Pentanone
Concen: 19.114 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

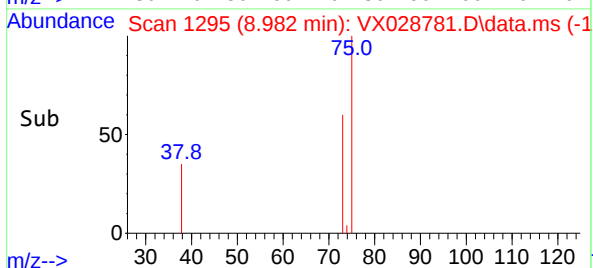
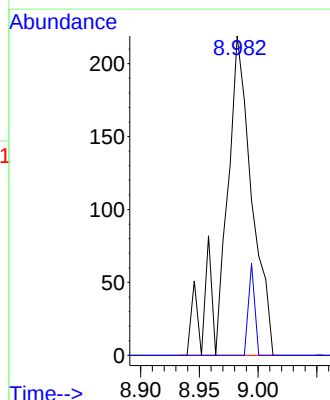
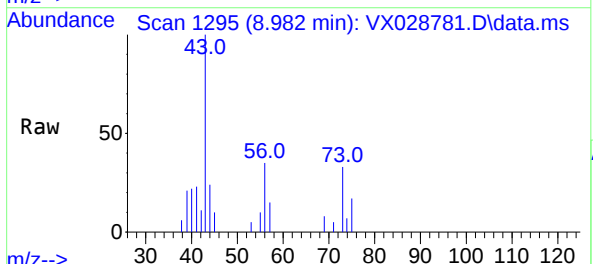
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

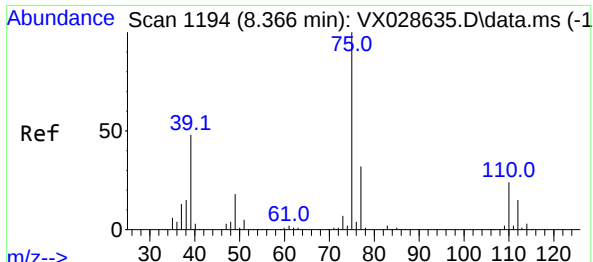
Tgt Ion: 43 Resp: 124461
Ion Ratio Lower Upper
43 100
58 8.0 36.1 54.1#



#53
t-1,3-Dichloropropene
Concen: 1.690 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 75 Resp: 352
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

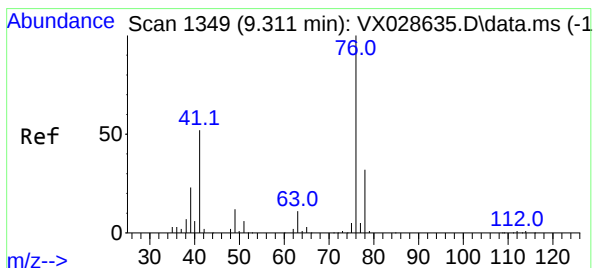
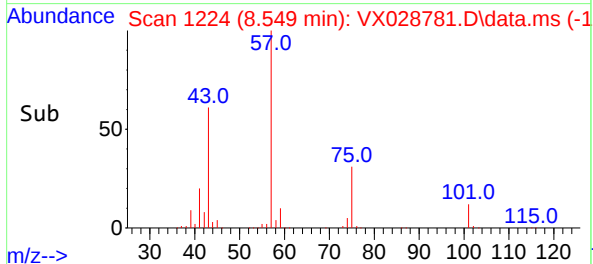
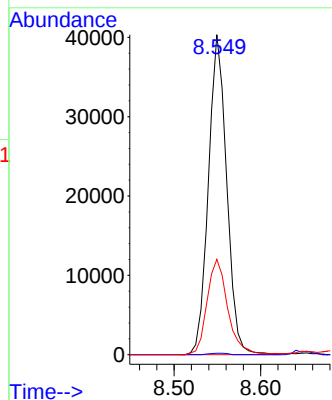
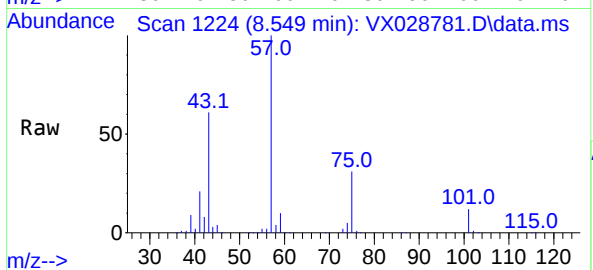




#54
 cis-1,3-Dichloropropene
 Concen: 8.752 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028781.D
 Acq: 18 May 2022 01:02

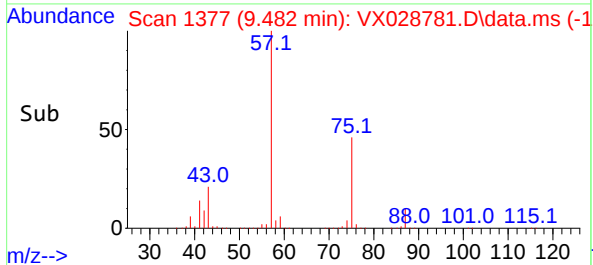
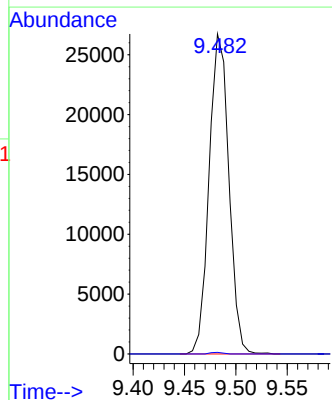
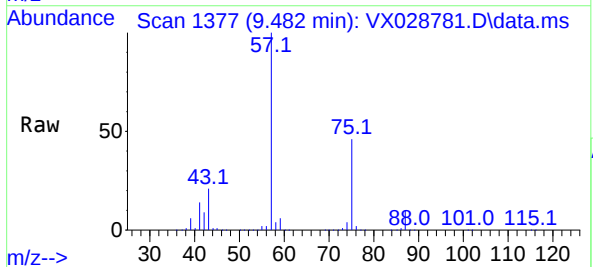
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144875TB

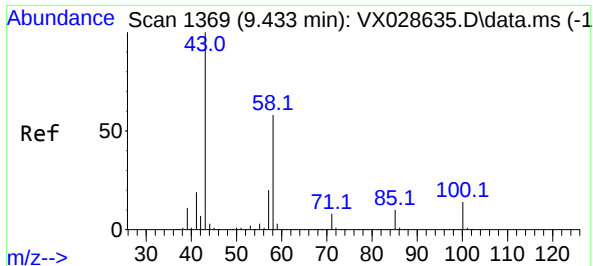
Tgt Ion: 75 Resp: 59230
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 29.8 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.647 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028781.D
 Acq: 18 May 2022 01:02

Tgt Ion: 76 Resp: 35748
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 91.950 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

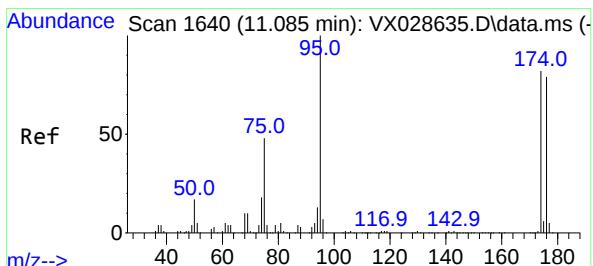
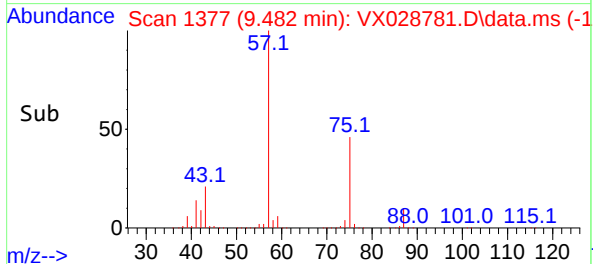
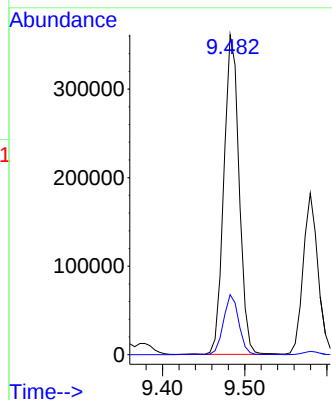
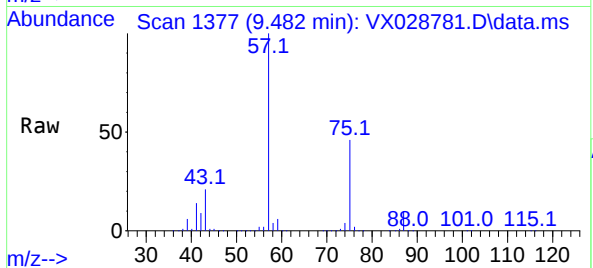
PB144875TB

Tgt Ion: 43 Resp: 465163

Ion Ratio Lower Upper

43 100

58 19.0 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 53.325 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028781.D

Acq: 18 May 2022 01:02

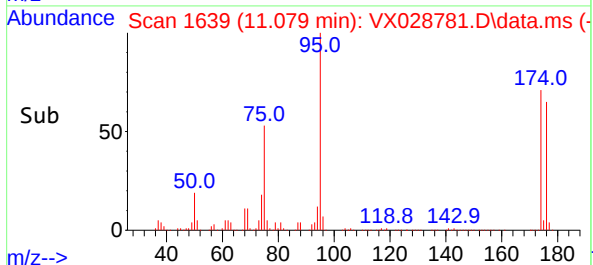
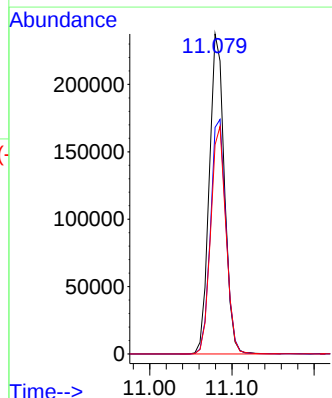
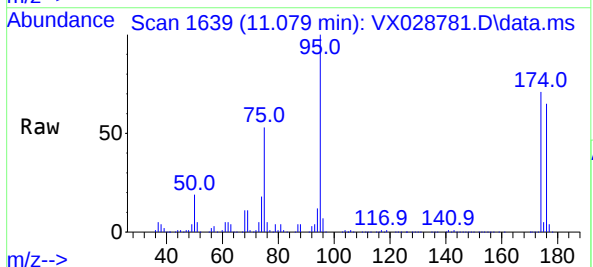
Tgt Ion: 95 Resp: 302453

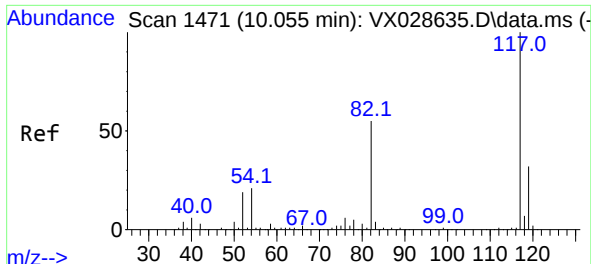
Ion Ratio Lower Upper

95 100

174 75.1 0.0 163.0

176 71.8 0.0 155.0

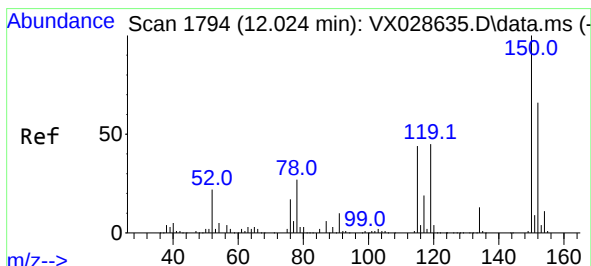
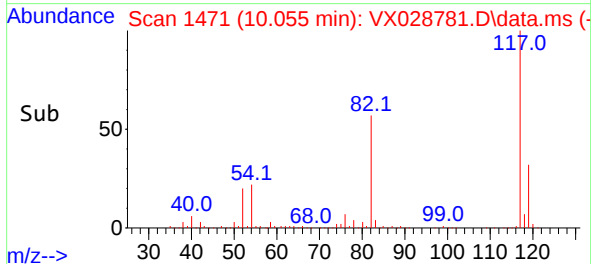
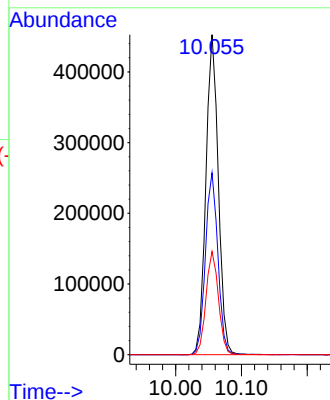
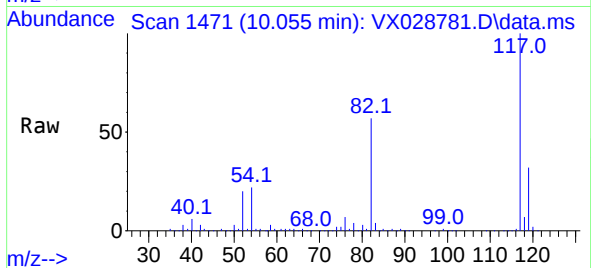




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

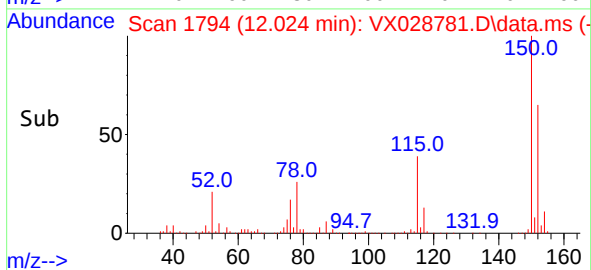
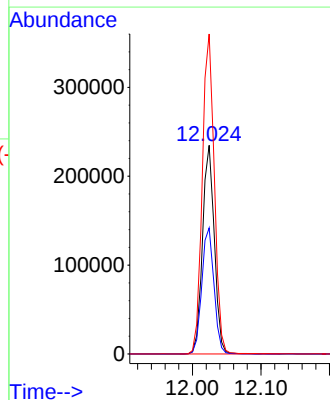
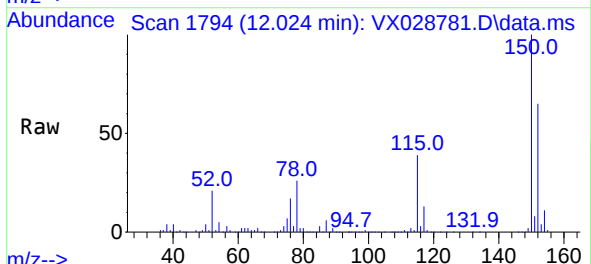
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

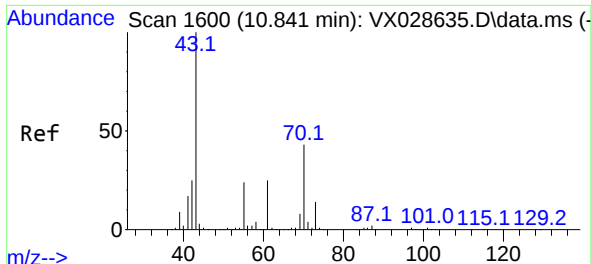
Tgt Ion:117 Resp: 593669
Ion Ratio Lower Upper
117 100
82 56.8 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion:152 Resp: 282605
Ion Ratio Lower Upper
152 100
115 62.3 37.5 112.7
150 156.5 0.0 338.2

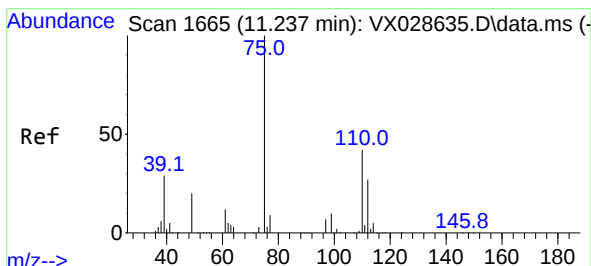
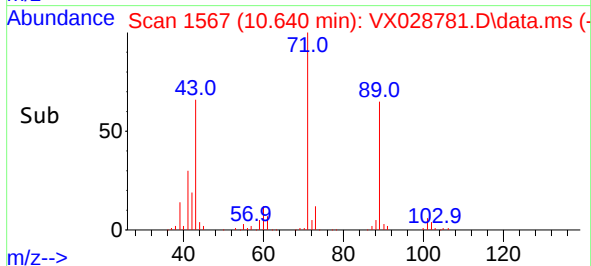
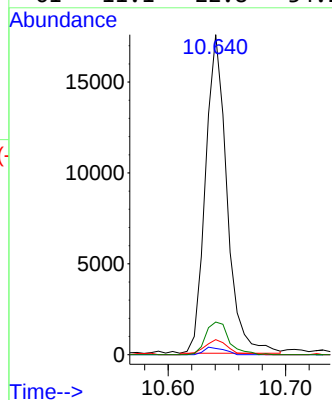
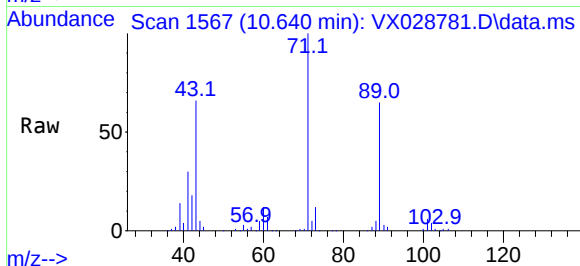




#74
N-amy1 acetate
Concen: 2.637 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

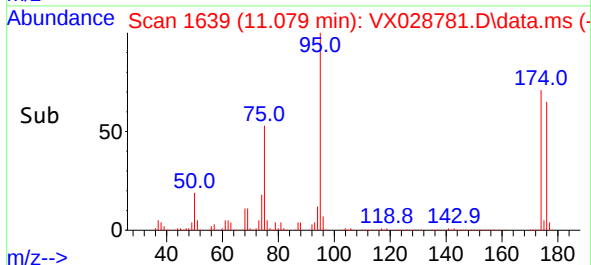
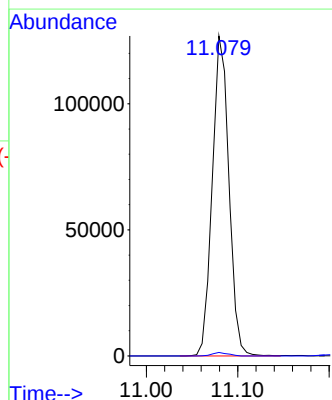
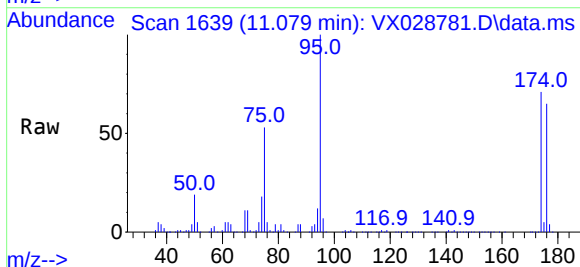
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

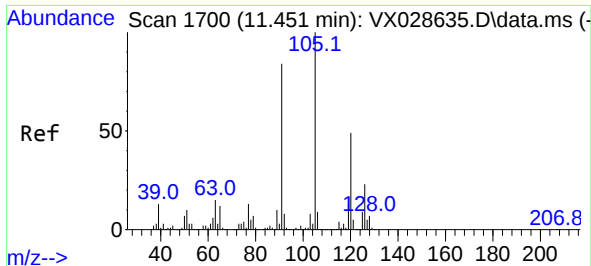
Tgt Ion:	43	Resp:	22213
Ion	Ratio	Lower	Upper
43	100		
70	2.2	42.5	63.7#
55	5.3	23.1	34.7#
61	11.1	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 24.199 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion:	75	Resp:	160159
Ion	Ratio	Lower	Upper
75	100		
77	1.0	19.4	58.2#

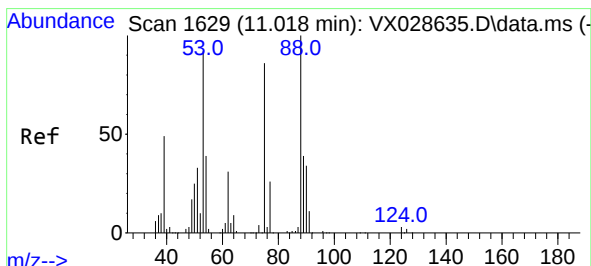
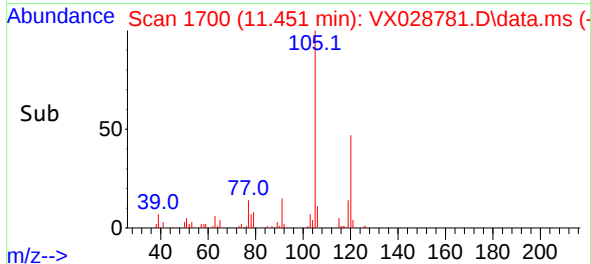
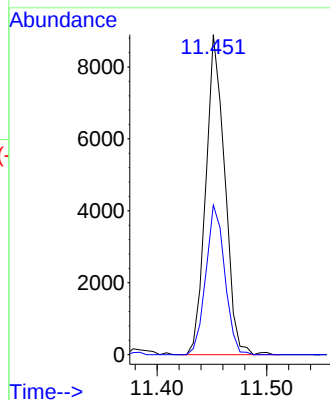
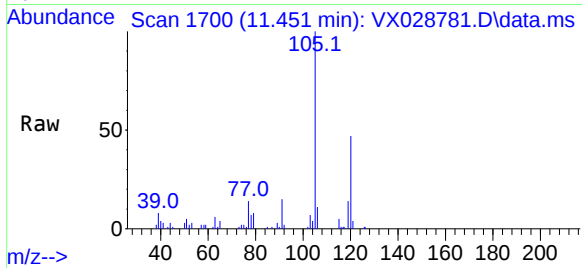




#80
1,3,5-Trimethylbenzene
Concen: 0.596 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

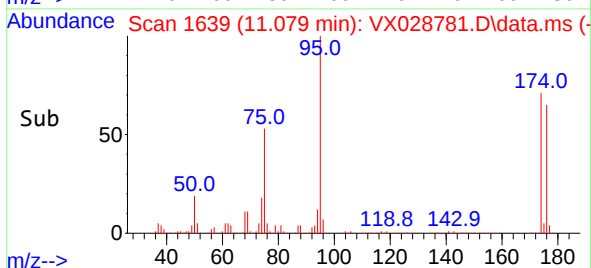
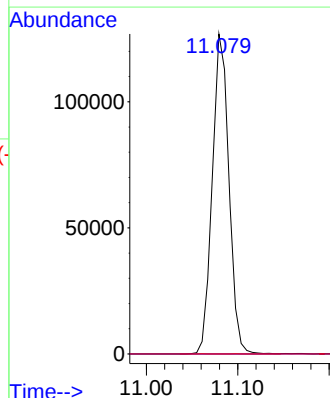
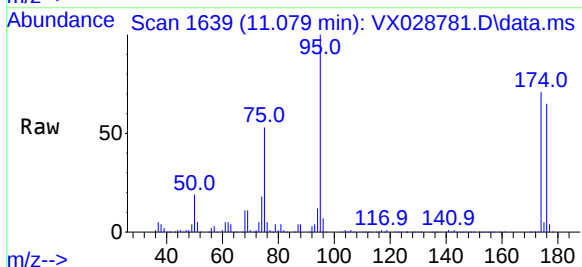
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

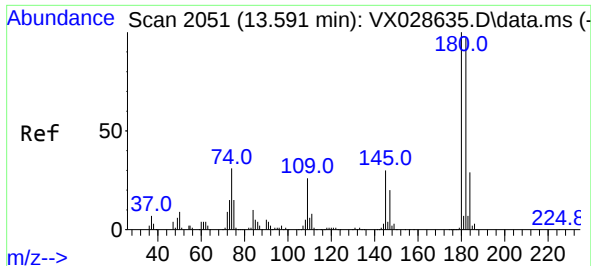
Tgt Ion:105 Resp: 10652
Ion Ratio Lower Upper
105 100
120 46.7 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 70.474 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion: 75 Resp: 160159
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

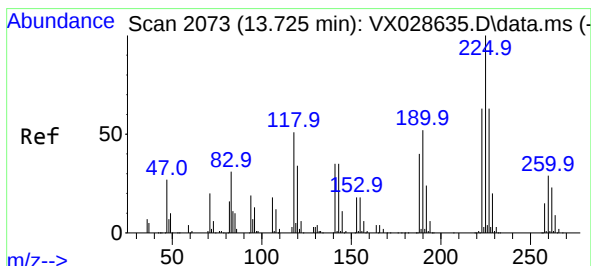
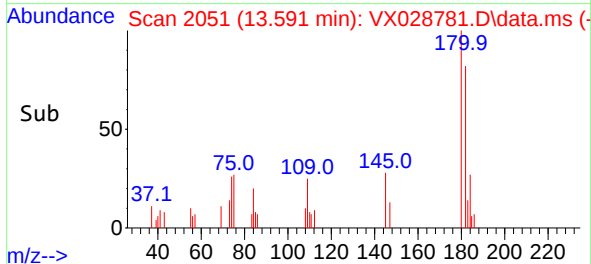
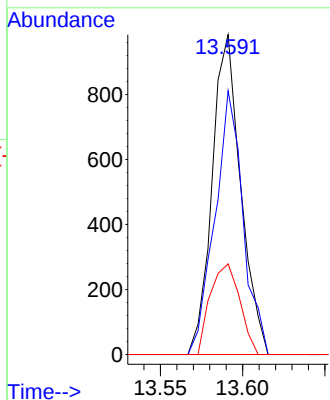
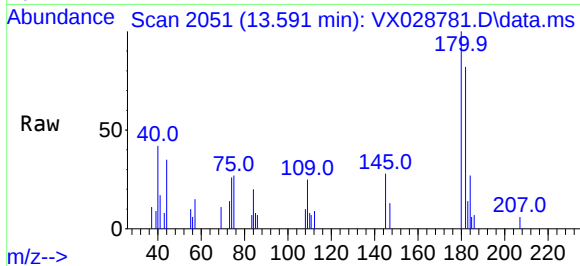




#93
1,2,4-Trichlorobenzene
Concen: 0.211 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

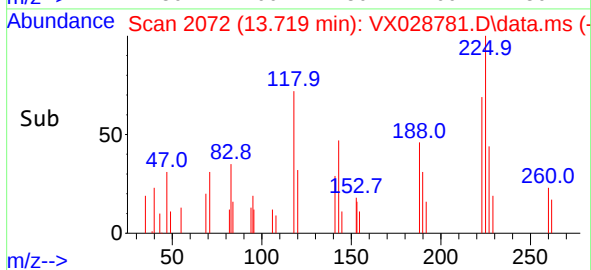
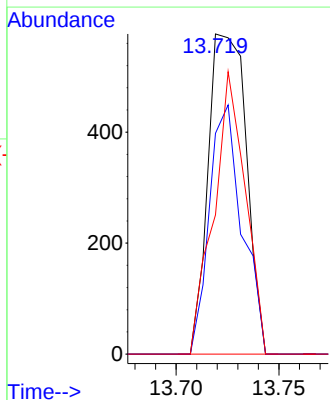
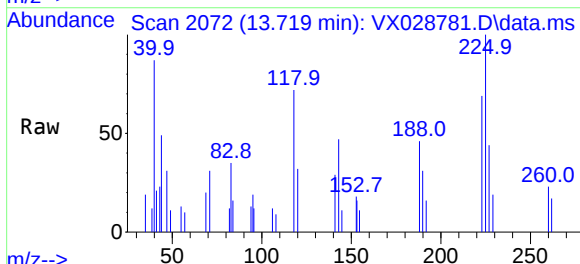
Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

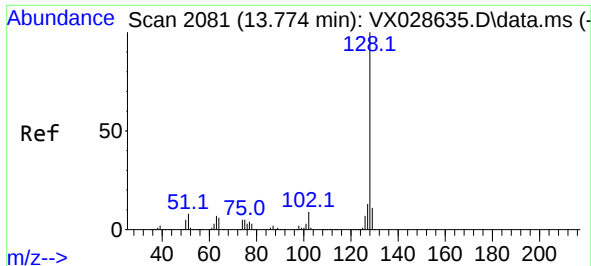
Tgt Ion:180	Resp:	1190
Ion Ratio	Lower	Upper
180	100	
182	81.2	47.7 143.1
145	29.2	15.2 45.5



#94
Hexachlorobutadiene
Concen: 0.325 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion:225	Resp:	746
Ion Ratio	Lower	Upper
225	100	
223	66.9	34.2 102.5
227	72.9	33.9 101.7

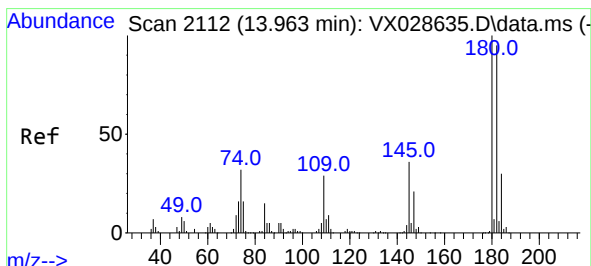
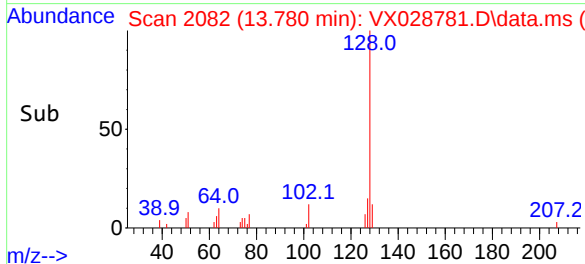
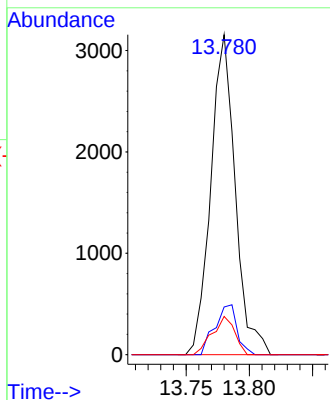
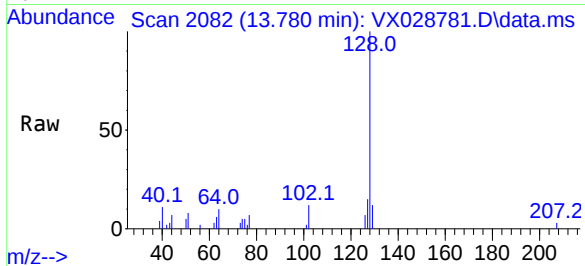




#95
Naphthalene
Concen: 0.211 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Instrument :
MSVOA_X
ClientSampleId :
PB144875TB

Tgt Ion:	128	Resp:	4246
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.2	15.4
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.232 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX028781.D
Acq: 18 May 2022 01:02

Tgt Ion:	180	Resp:	1314
Ion	Ratio	Lower	Upper
180	100		
182	99.5	50.0	149.8
145	33.6	16.2	48.5

