

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028218.D
 Acq On : 21 Apr 2022 00:19
 Operator : JC/MD
 Sample : PB144231TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231TB

Quant Time: Apr 21 06:20:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

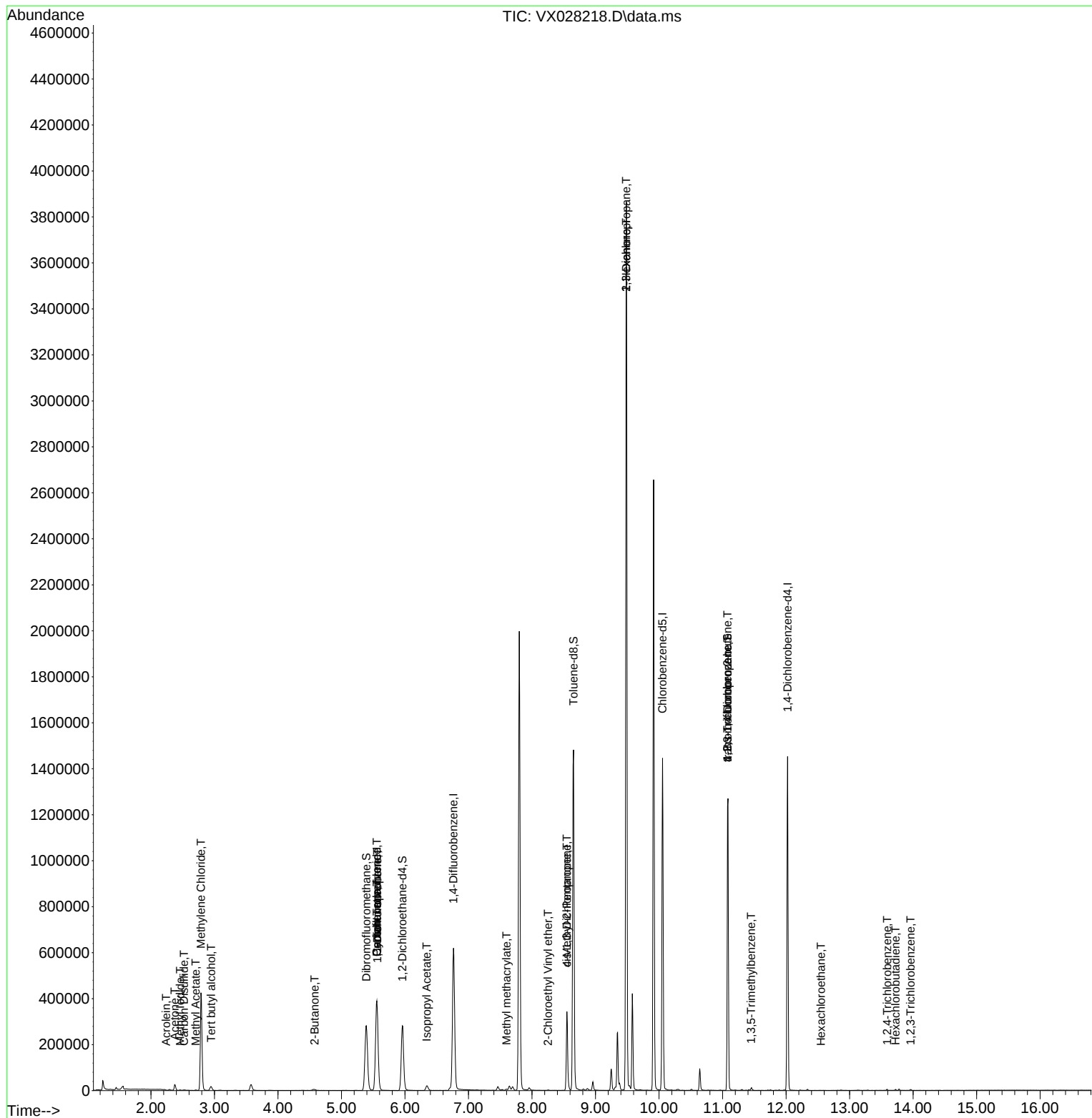
Internal Standards						
1) Pentafluorobenzene	5.556	168	381841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	663738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	665620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	307201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	266818	53.591	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.180%			
35) Dibromofluoromethane	5.391	113	246120	52.875	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.760%			
50) Toluene-d8	8.653	98	914673	51.162	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.320%			
62) 4-Bromofluorobenzene	11.079	95	340589	49.824	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.640%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	491	Below Cal	#	76
5) Bromomethane	1.611	94	1245	Below Cal		100
6) Chloroethane	1.660	64	609	Below Cal	#	55
8) Diethyl Ether	2.142	74	56	Below Cal	#	1
10) Methyl Iodide	2.459	142	1869	5.630	ug/l #	91
11) Tert butyl alcohol	2.946	59	9994	0.570	ug/l #	77
13) Acrolein	2.239	56	344	0.564	ug/l #	1
16) Acetone	2.373	43	26739	16.279	ug/l	96
17) Carbon Disulfide	2.520	76	2094	0.265	ug/l	96
18) Methyl Acetate	2.703	43	2306	0.521	ug/l #	83
20) Methylene Chloride	2.788	84	200089	54.164	ug/l	99
25) 2-Butanone	4.574	43	4132	1.401	ug/l #	83
31) Cyclohexane	5.556	56	7685	1.267	ug/l #	26
36) 1,1-Dichloropropene	5.562	75	26530	4.369	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38542	5.623	ug/l #	15
43) Isopropyl Acetate	6.342	43	28429	2.835	ug/l	98
48) Methyl methacrylate	7.598	41	6896	1.498	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	108009	16.786	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	59315	7.924	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	38370	4.738	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.250	63	797	0.234	ug/l	92
59) 2-Hexanone	9.482	43	419014	84.069	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	166341	27.513	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4389	0.245	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	166341	81.761	ug/l #	15
90) Hexachloroethane	12.548	117	19	1.819	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.591	180	1296	0.212	ug/l	93
94) Hexachlorobutadiene	13.725	225	741	0.272	ug/l	81
96) 1,2,3-Trichlorobenzene	13.963	180	1337	0.223	ug/l	97

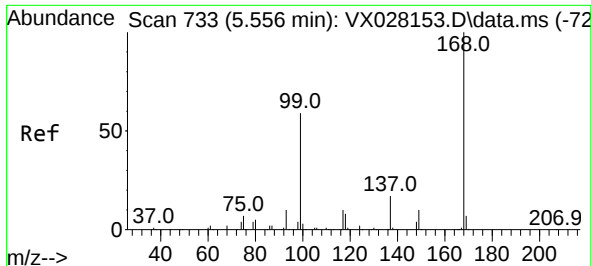
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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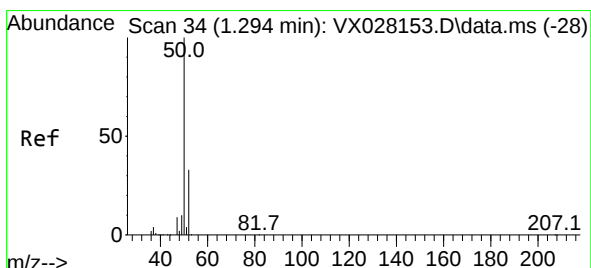
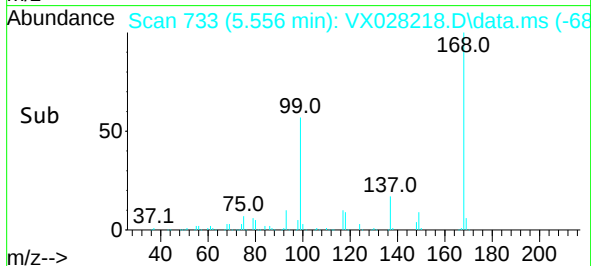
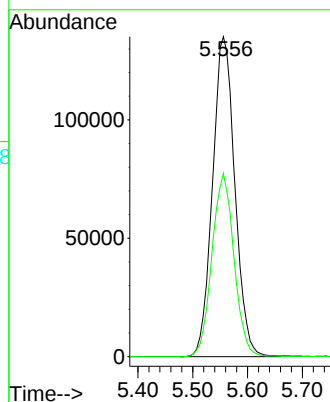
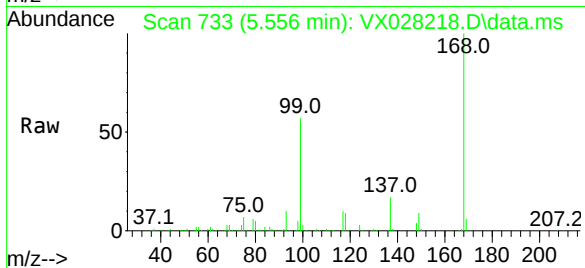




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

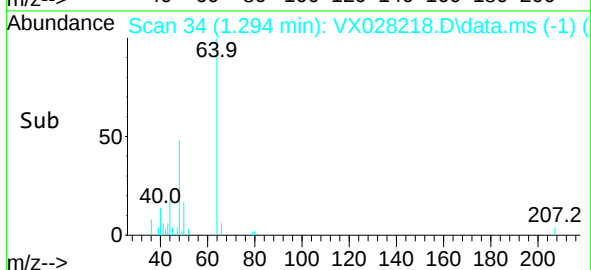
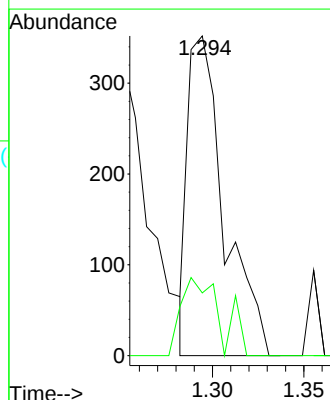
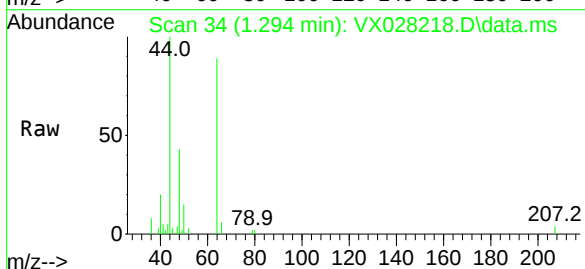
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

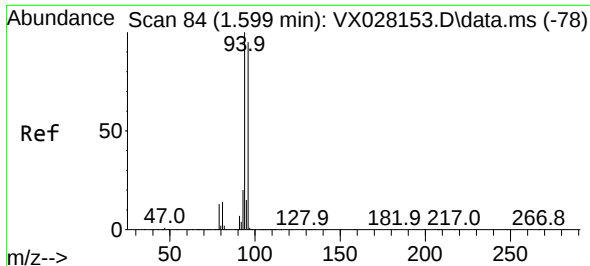
Tgt Ion:168 Resp: 381841
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 50 Resp: 491
Ion Ratio Lower Upper
50 100
52 19.6 26.4 39.6#

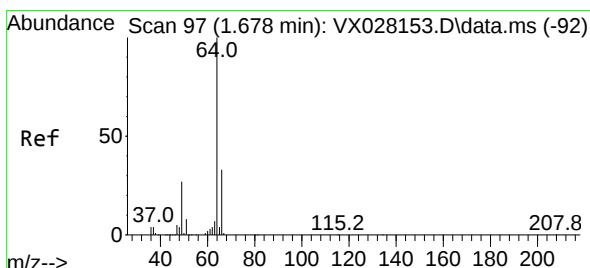
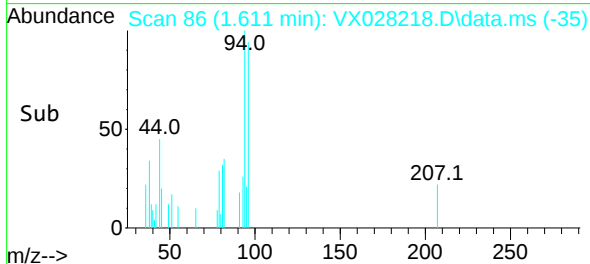
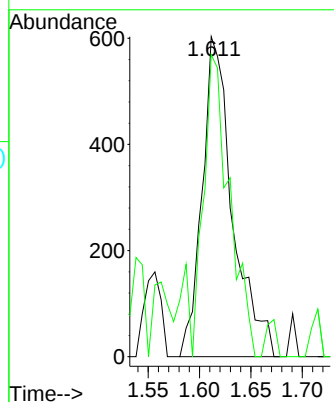
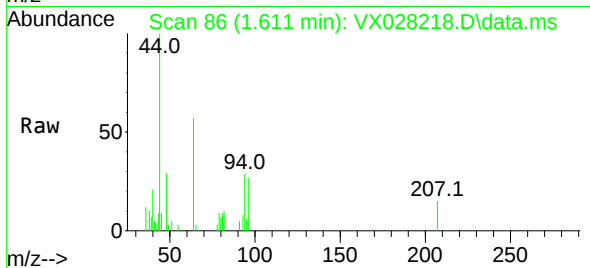




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

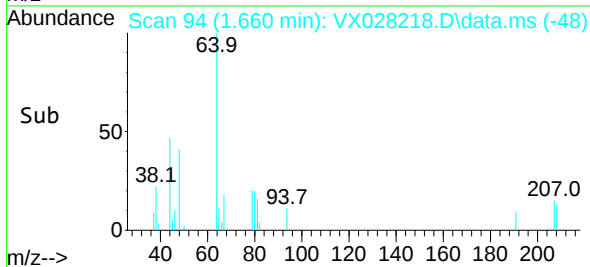
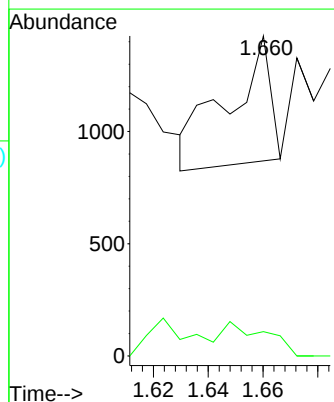
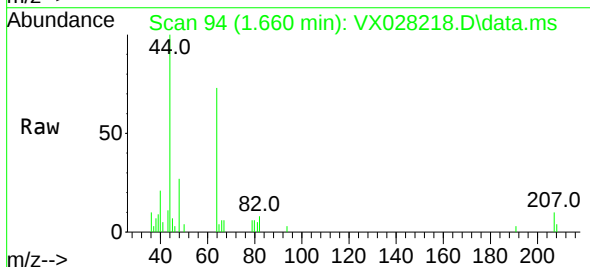
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

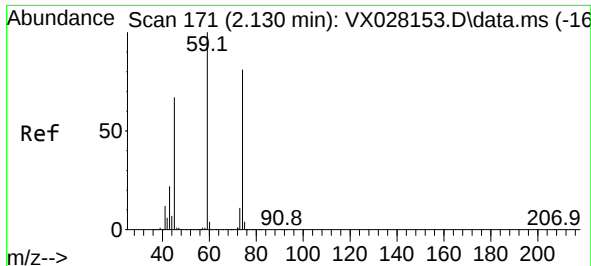
Tgt Ion: 94 Resp: 1245
Ion Ratio Lower Upper
94 100
96 94.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

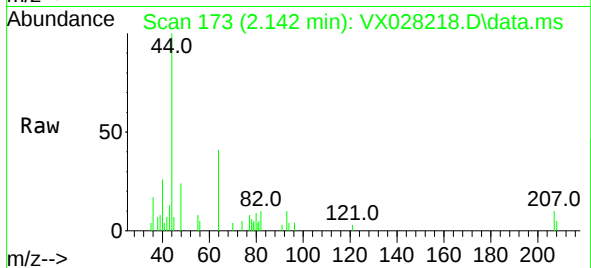
Tgt Ion: 64 Resp: 609
Ion Ratio Lower Upper
64 100
66 6.4 25.3 37.9#



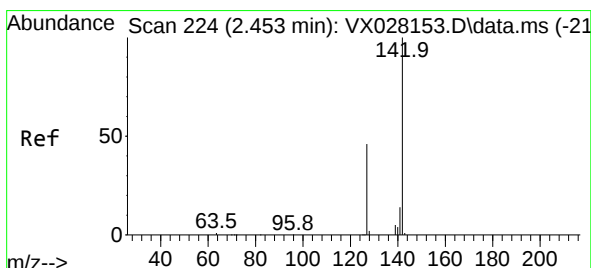
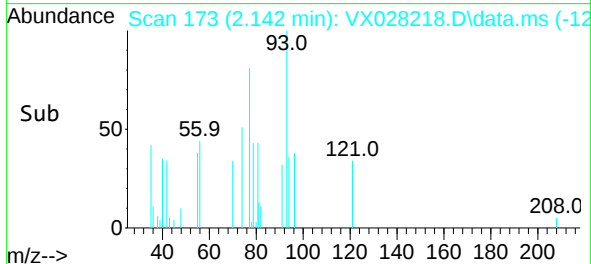
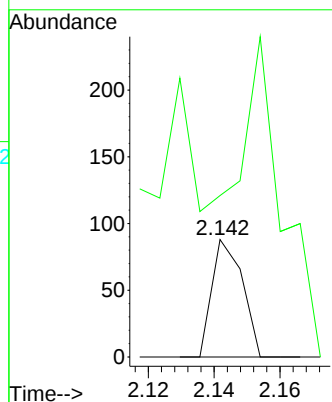


#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

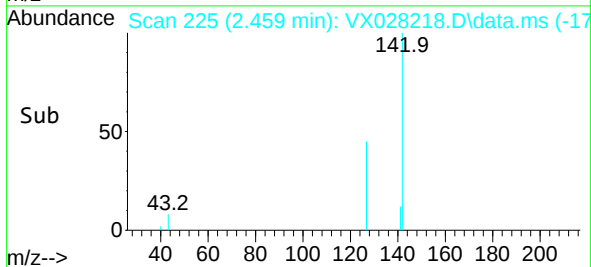
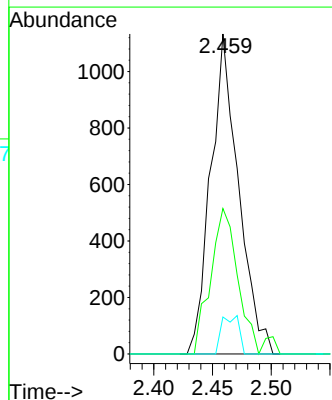
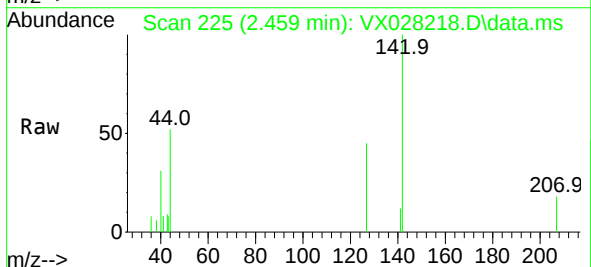


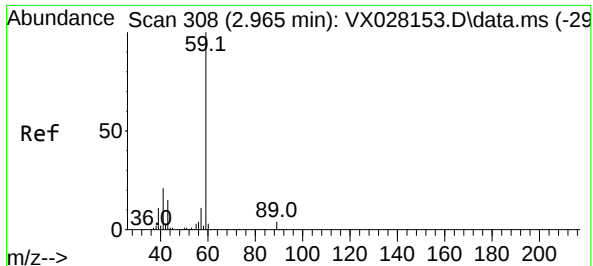
Tgt Ion: 74 Resp: 56
Ion Ratio Lower Upper
74 100
45 455.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.630 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 142 Resp: 1869
Ion Ratio Lower Upper
142 100
127 46.4 33.9 50.9
141 7.4 11.4 17.2#

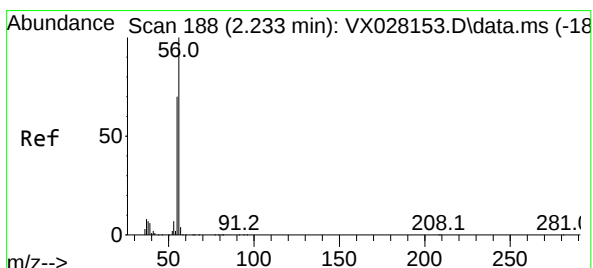
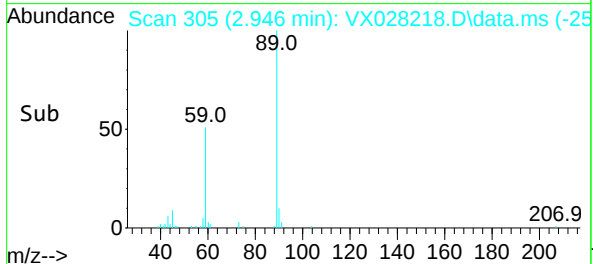
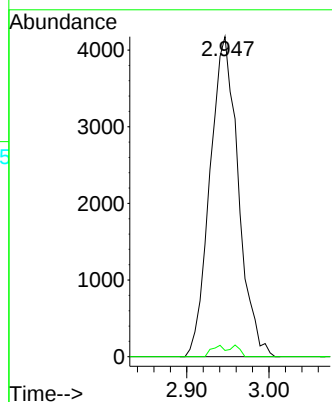
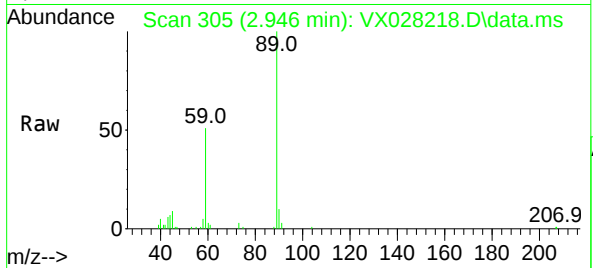




#11
Tert butyl alcohol
Concen: 0.570 ug/l
RT: 2.946 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

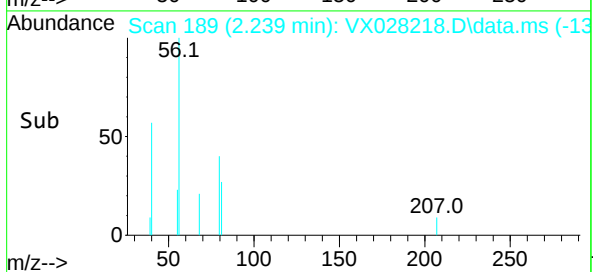
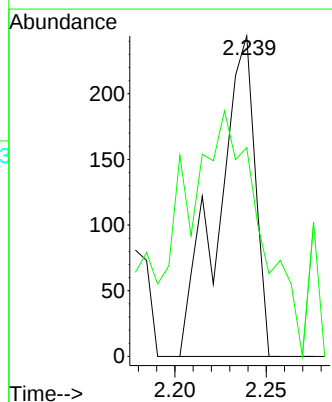
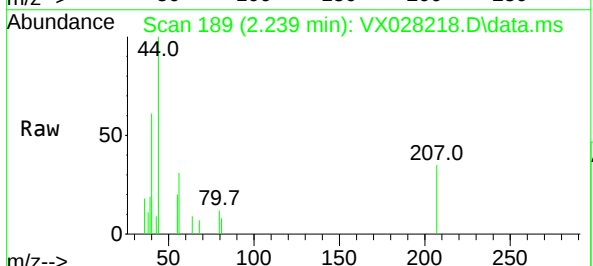
Instrument :
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ClientSampleId :
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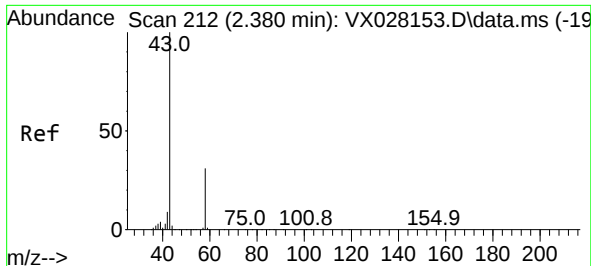
Tgt Ion: 59 Resp: 9994
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



#13
Acrolein
Concen: 0.564 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
55 149.4 55.0 82.6#

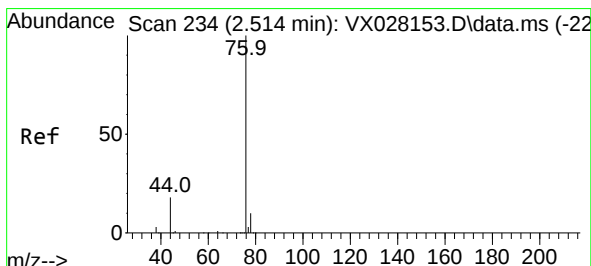
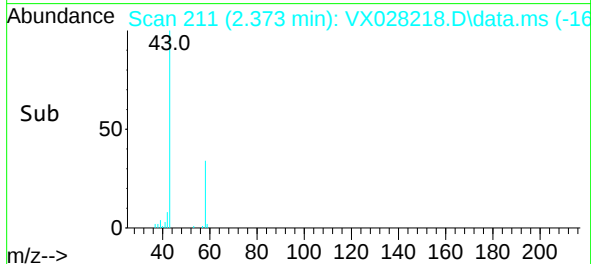
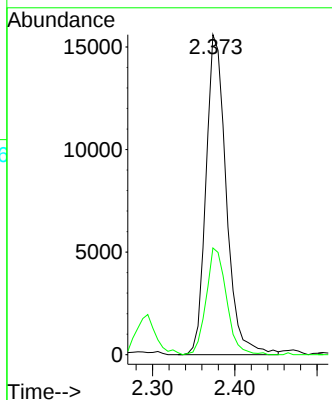
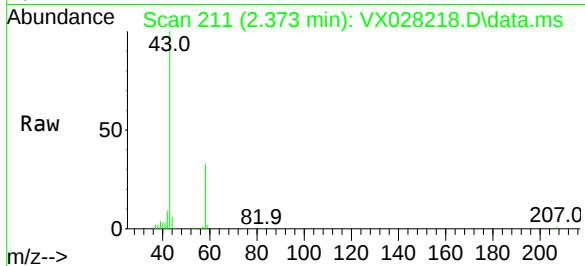




#16
Acetone
Concen: 16.279 ug/l
RT: 2.373 min Scan# 21
Delta R.T. -0.007 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

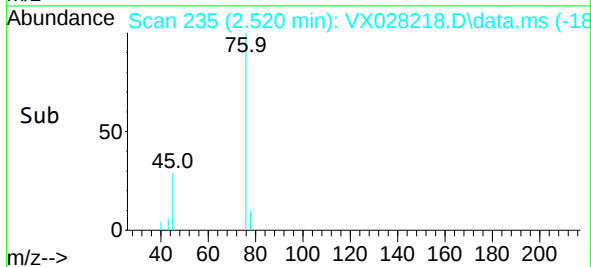
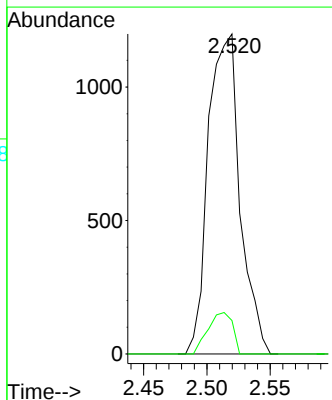
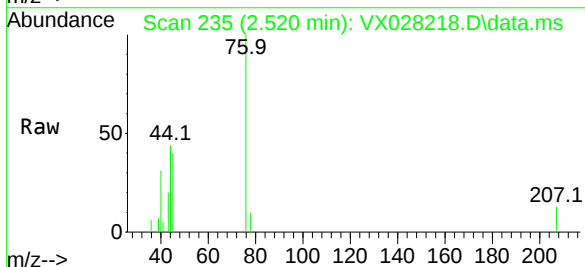
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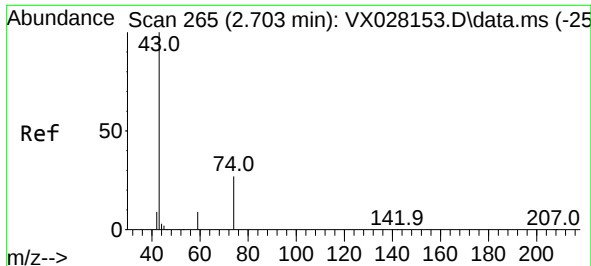
Tgt Ion: 43 Resp: 26739
Ion Ratio Lower Upper
43 100
58 33.4 28.8 43.2



#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 76 Resp: 2094
Ion Ratio Lower Upper
76 100
78 10.4 7.2 10.8

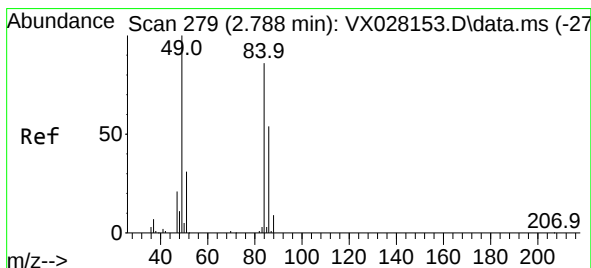
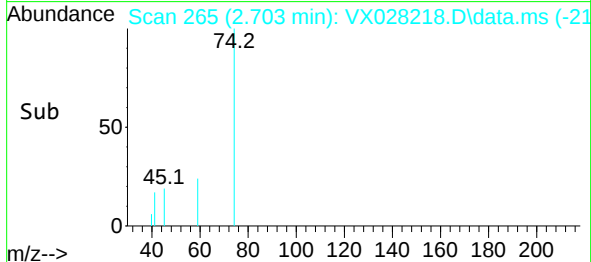
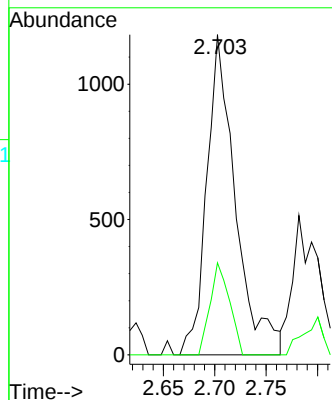
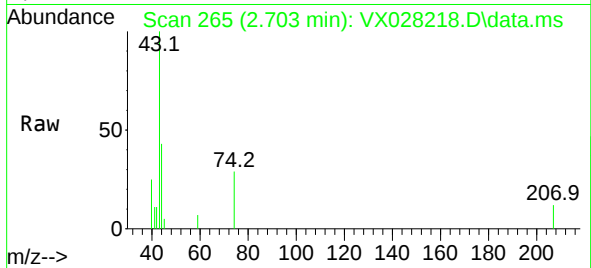




#18
Methyl Acetate
Concen: 0.521 ug/l
RT: 2.703 min Scan# 206
Delta R.T. -0.000 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

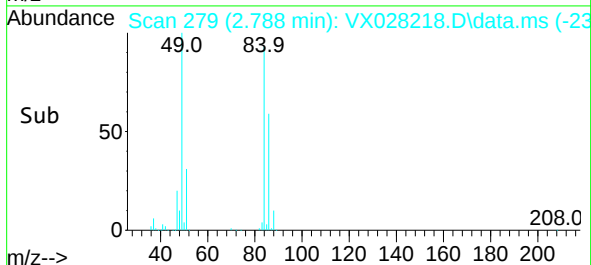
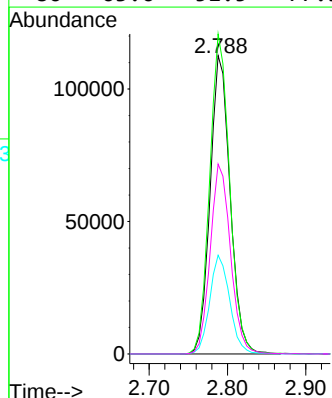
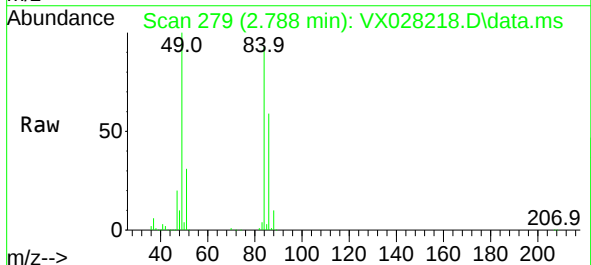
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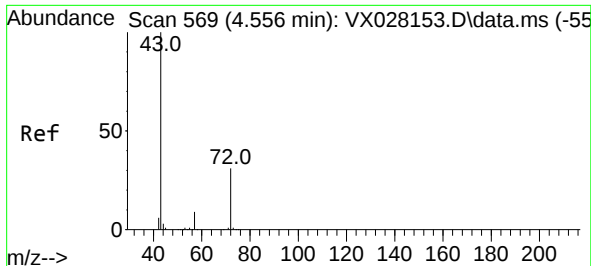
Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
74 19.3 22.8 34.2#



#20
Methylene Chloride
Concen: 54.164 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 84 Resp: 200089
Ion Ratio Lower Upper
84 100
49 107.2 85.5 128.3
51 33.1 26.6 39.8
86 63.6 51.5 77.3

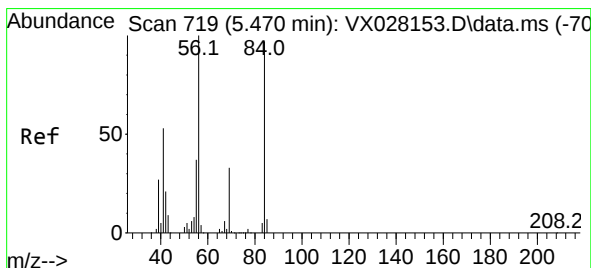
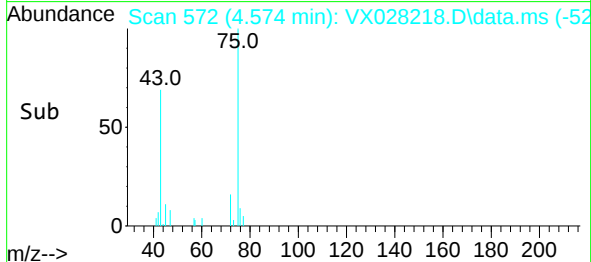
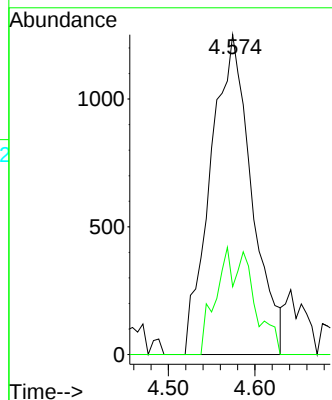
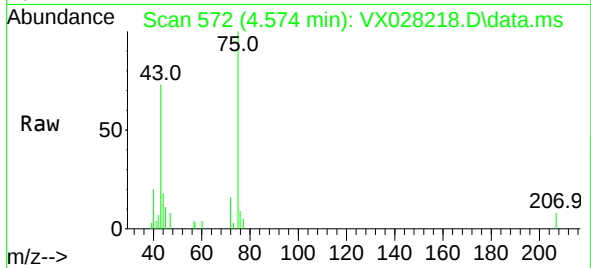




#25
2-Butanone
Concen: 1.401 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

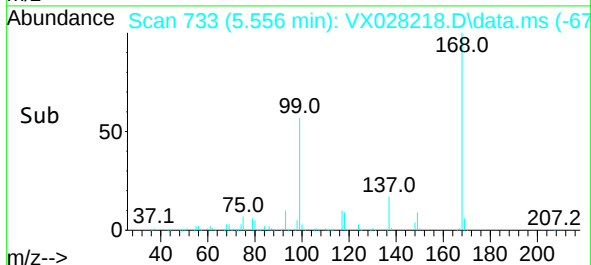
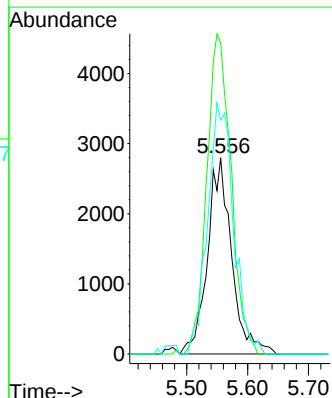
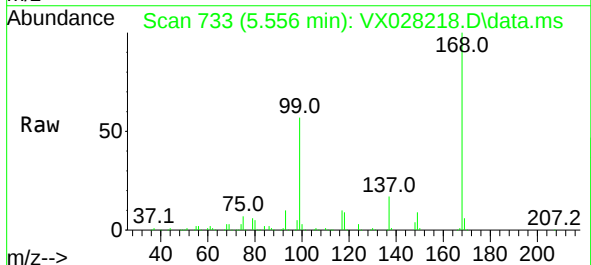
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

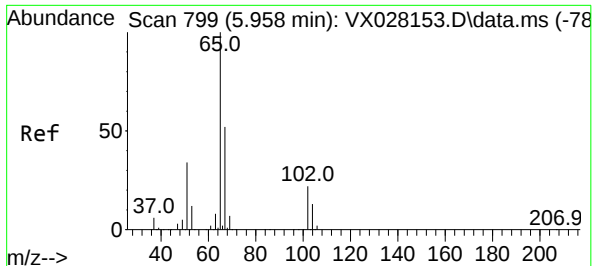
Tgt Ion: 43 Resp: 4132
Ion Ratio Lower Upper
43 100
72 21.2 24.4 36.6#



#31
Cyclohexane
Concen: 1.267 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 56 Resp: 7685
Ion Ratio Lower Upper
56 100
69 158.5 26.7 40.1#
84 119.1 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.591 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

Instrument :

MSVOA_X

ClientSampleId :

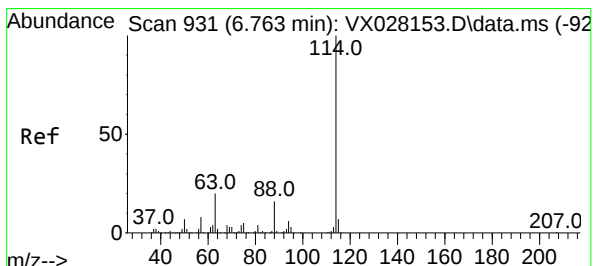
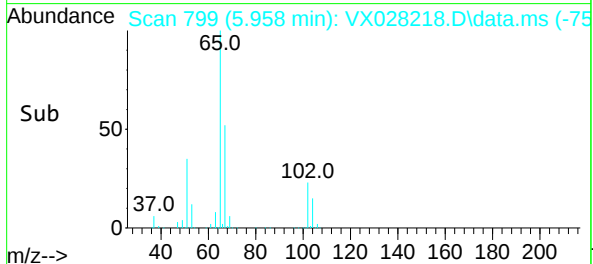
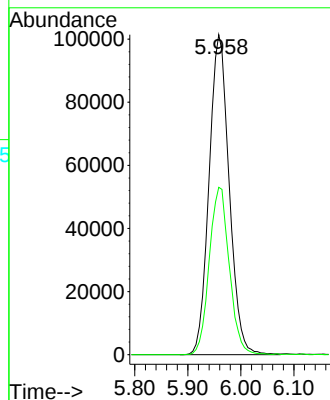
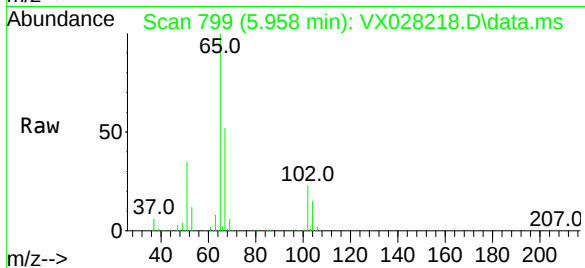
PB144231TB

Tgt Ion: 65 Resp: 266818

Ion Ratio Lower Upper

65 100

67 52.1 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: VX028218.D

Acq: 21 Apr 2022 00:19

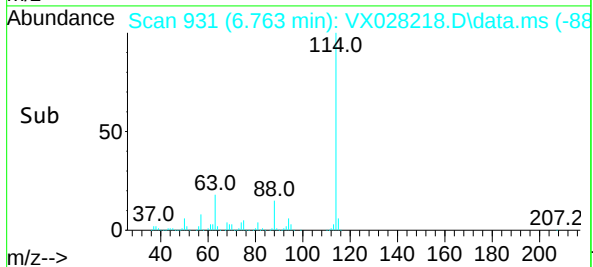
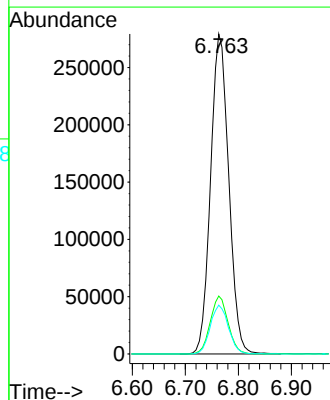
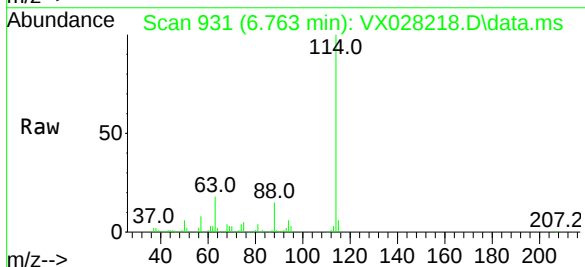
Tgt Ion: 114 Resp: 663738

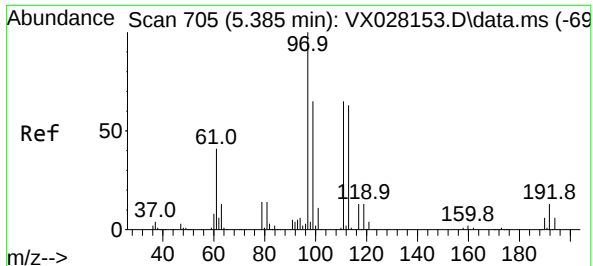
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.875 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

Instrument :

MSVOA_X

ClientSampleId :

PB144231TB

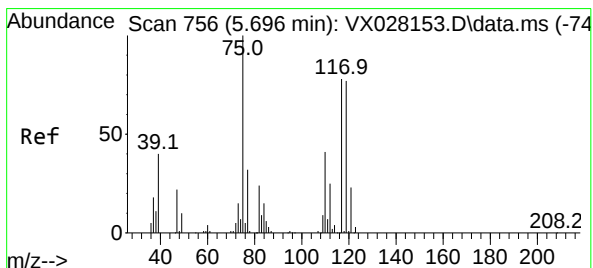
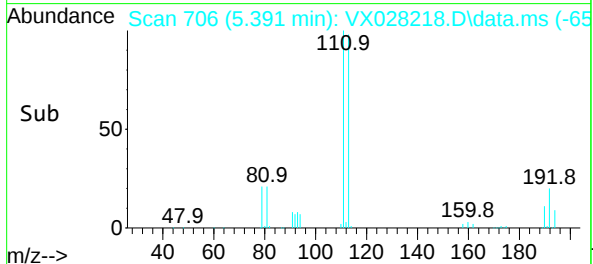
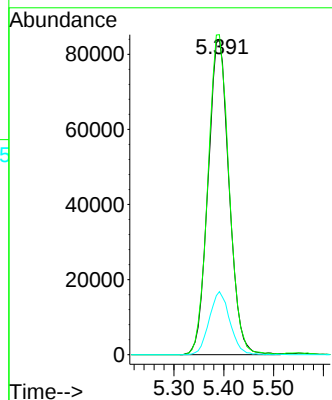
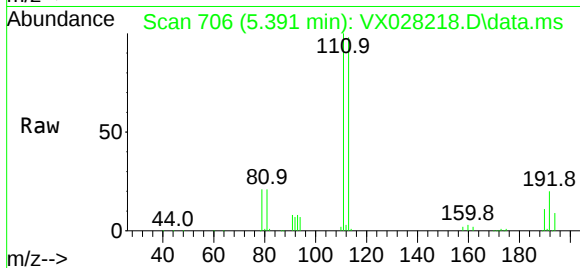
Tgt Ion:113 Resp: 246120

Ion Ratio Lower Upper

113 100

111 101.8 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.369 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

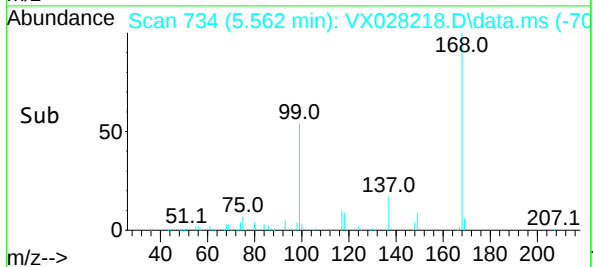
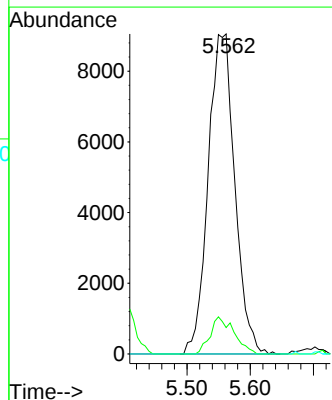
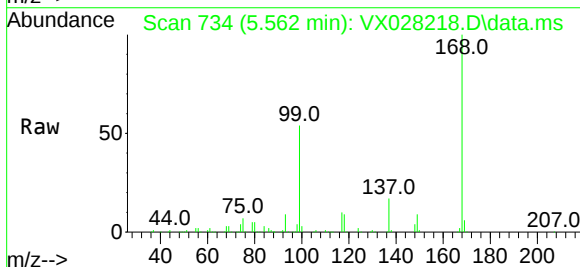
Tgt Ion: 75 Resp: 26530

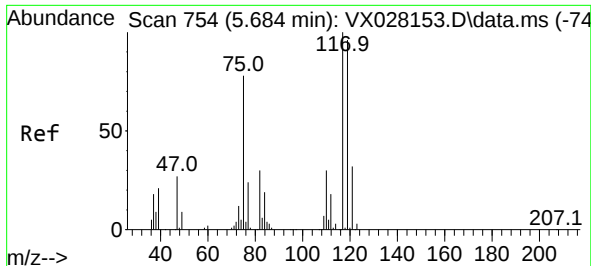
Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 24.8 37.2#

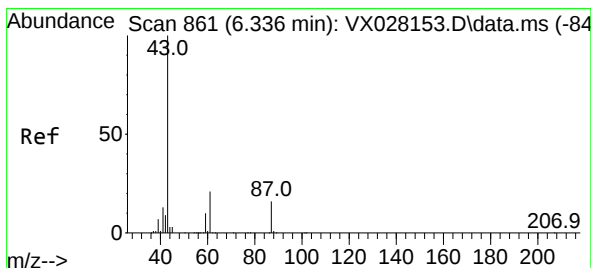
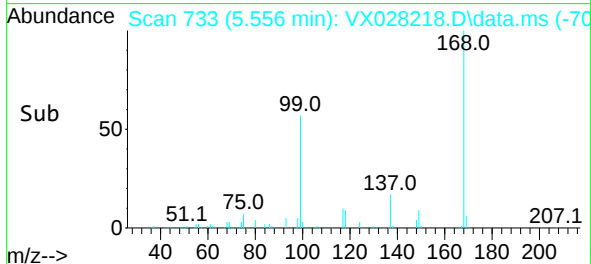
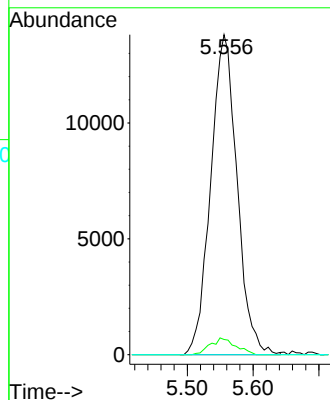
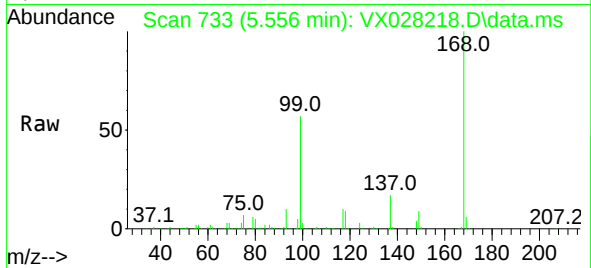




#38
Carbon Tetrachloride
Concen: 5.623 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

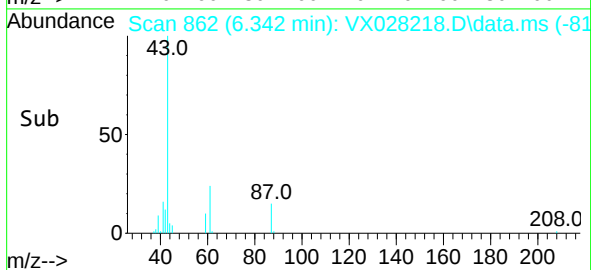
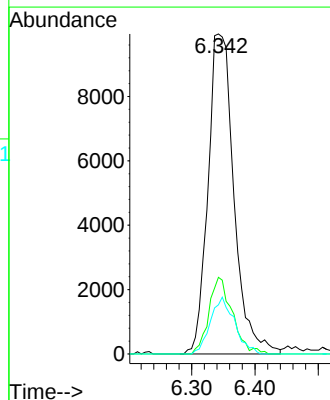
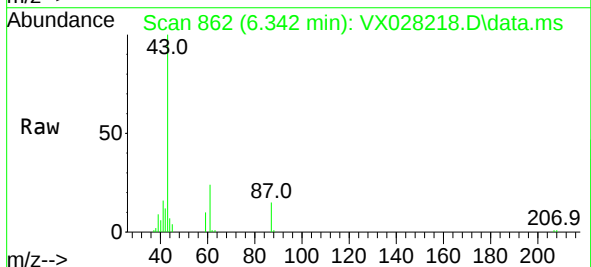
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

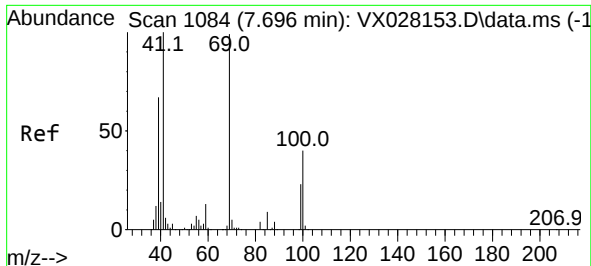
Tgt Ion:117 Resp: 38542
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.835 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 43 Resp: 28429
Ion Ratio Lower Upper
43 100
61 21.6 18.5 27.7
87 16.5 13.0 19.6





#48

Methyl methacrylate

Concen: 1.498 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.098 min

Lab File: VX028218.D

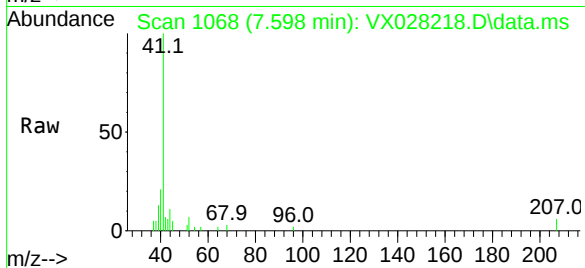
Acq: 21 Apr 2022 00:19

Instrument :

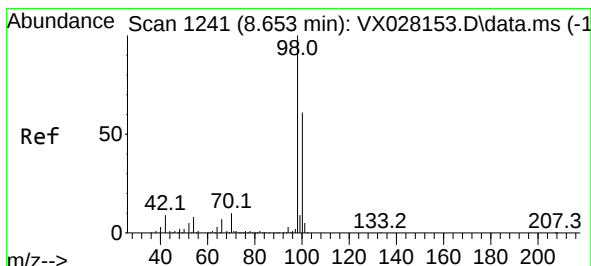
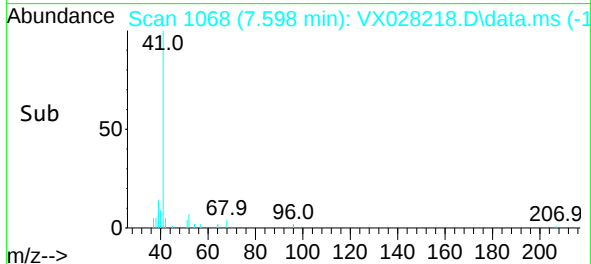
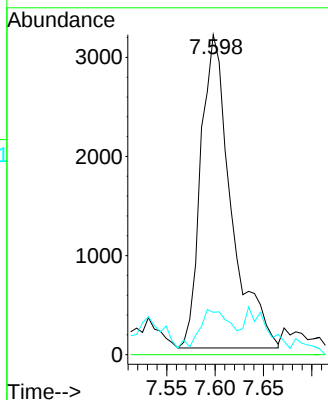
MSVOA_X

ClientSampleId :

PB144231TB



Tgt Ion:	41	Resp:	6896
Ion	Ratio	Lower	Upper
41	100		
69	0.0	82.5	123.7#
39	0.0	43.8	65.8#



#50

Toluene-d8

Concen: 51.162 ug/l

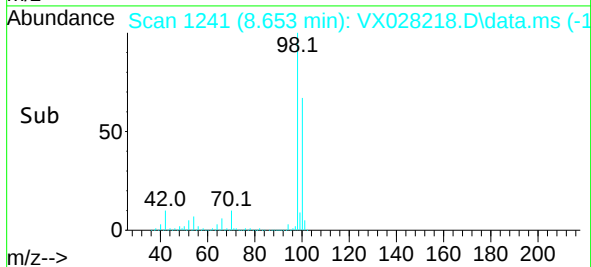
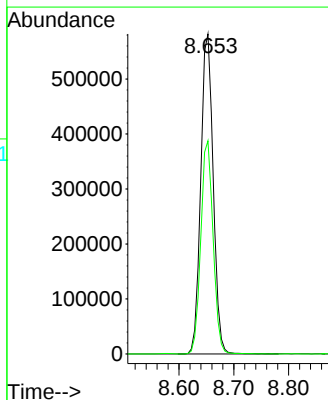
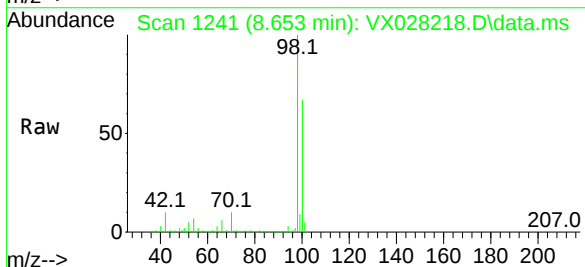
RT: 8.653 min Scan# 1241

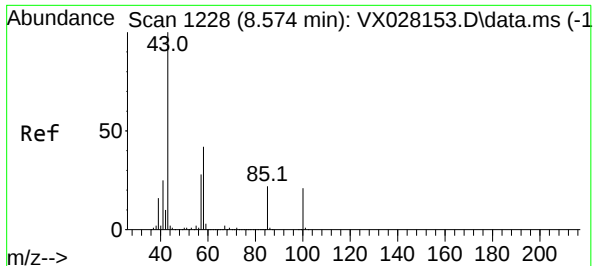
Delta R.T. -0.000 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

Tgt Ion:	98	Resp:	914673
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 16.786 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

Instrument :

MSVOA_X

ClientSampleId :

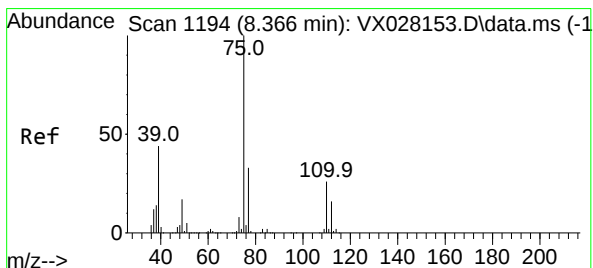
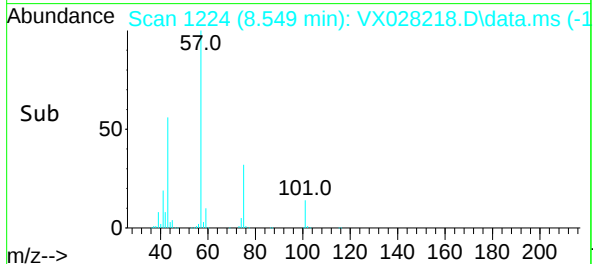
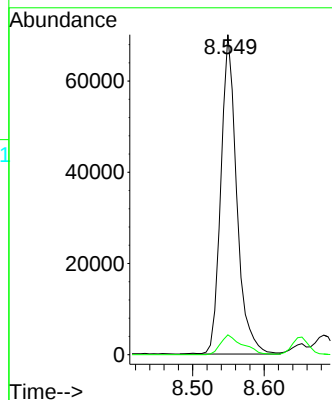
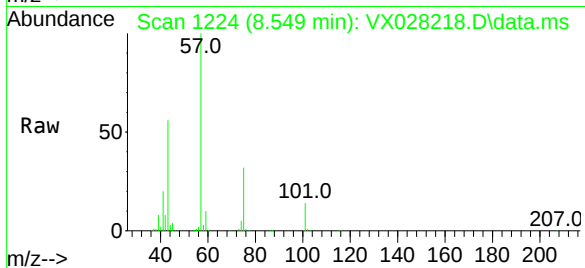
PB144231TB

Tgt Ion: 43 Resp: 108009

Ion Ratio Lower Upper

43 100

58 8.7 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.924 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

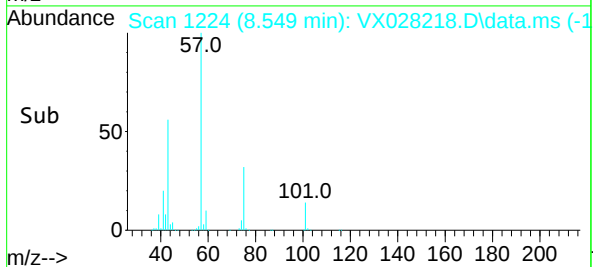
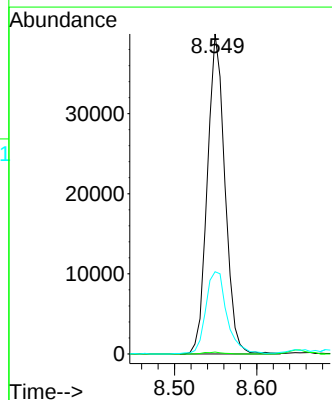
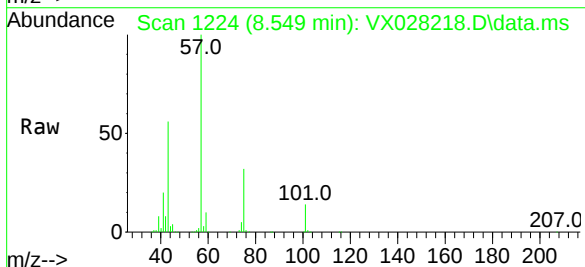
Tgt Ion: 75 Resp: 59315

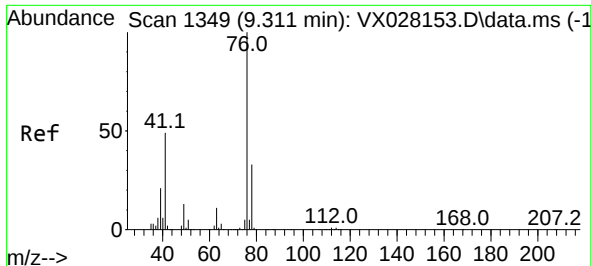
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 25.6 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.738 ug/l

RT: 9.482 min Scan# 1177

Delta R.T. 0.171 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

Instrument :

MSVOA_X

ClientSampleId :

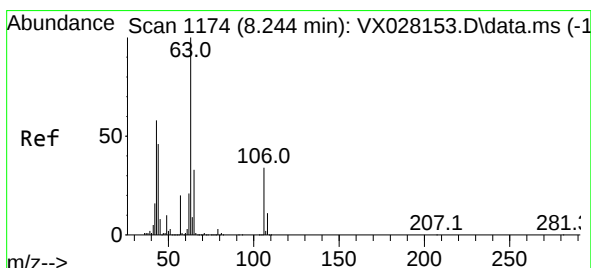
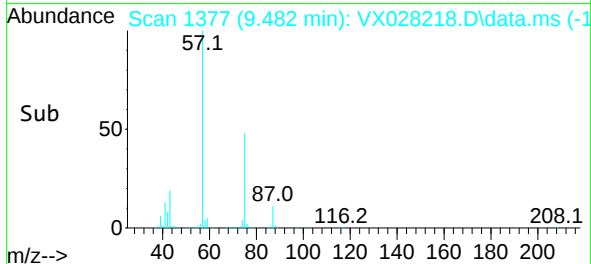
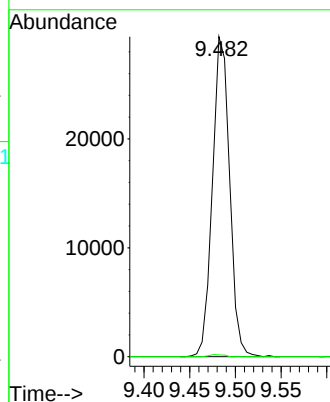
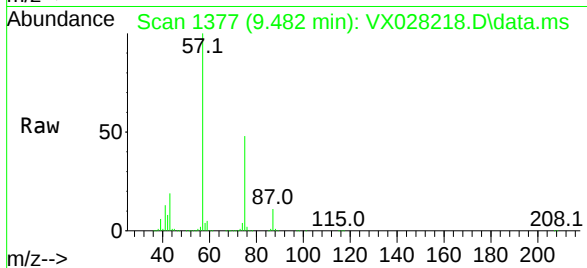
PB144231TB

Tgt Ion: 76 Resp: 38370

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.8#



#58

2-Chloroethyl Vinyl ether

Concen: 0.234 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX028218.D

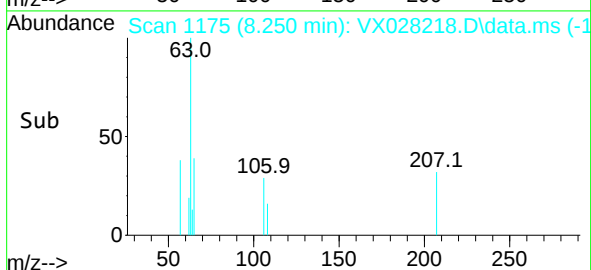
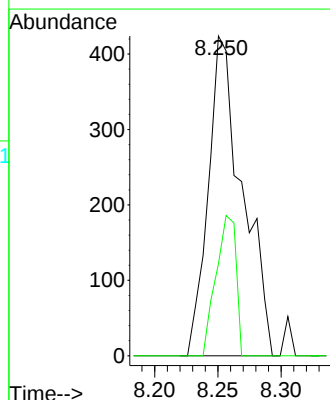
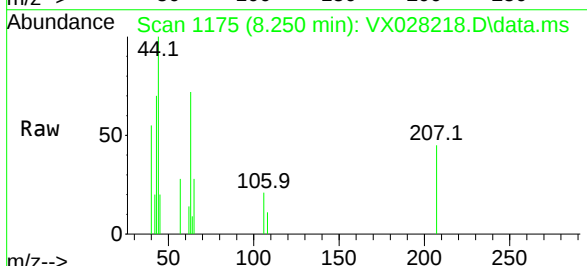
Acq: 21 Apr 2022 00:19

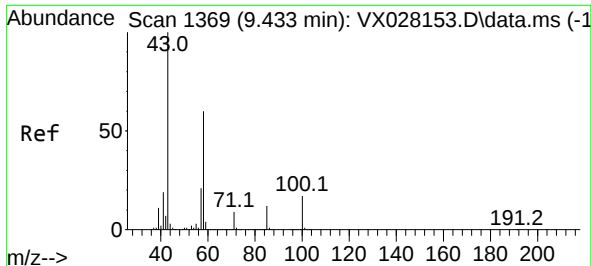
Tgt Ion: 63 Resp: 797

Ion Ratio Lower Upper

63 100

106 25.6 23.9 35.9

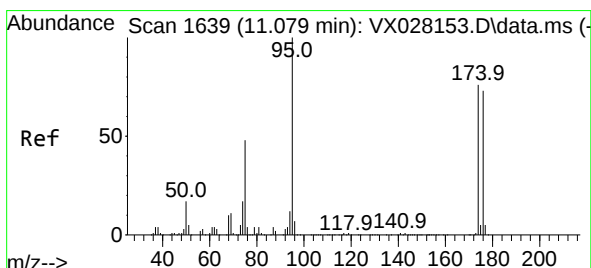
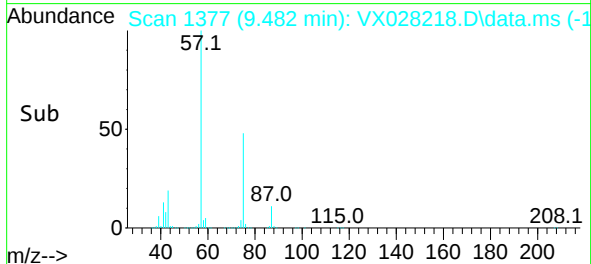
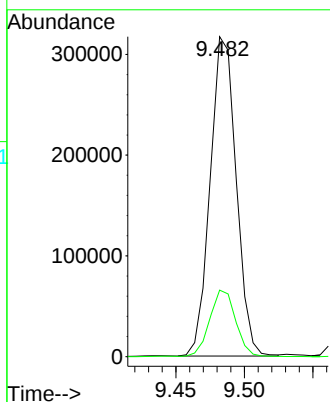
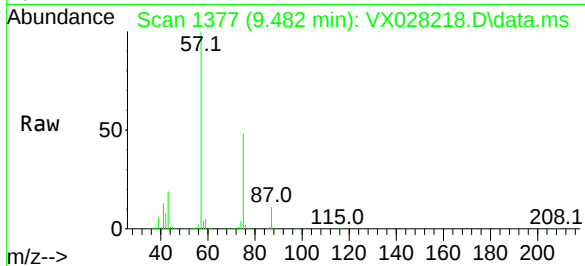




#59
2-Hexanone
Concen: 84.069 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

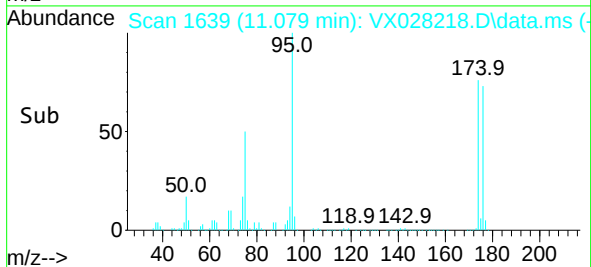
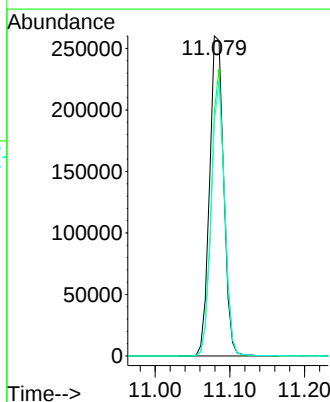
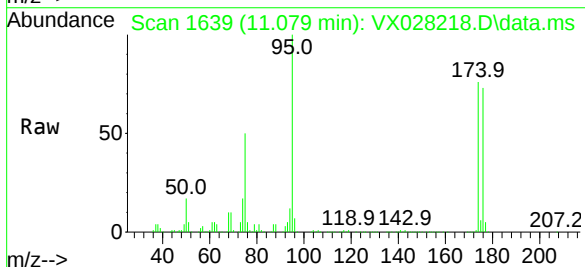
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

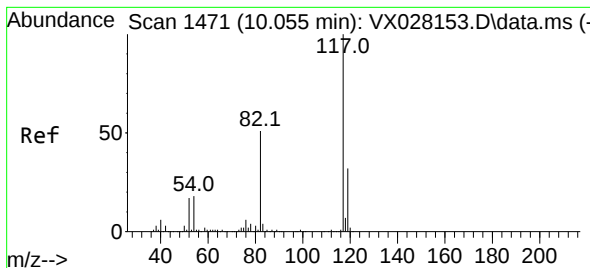
Tgt Ion: 43 Resp: 419014
Ion Ratio Lower Upper
43 100
58 21.1 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 49.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 95 Resp: 340589
Ion Ratio Lower Upper
95 100
174 84.2 0.0 163.0
176 81.3 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: VX028218.D

Acq: 21 Apr 2022 00:19

Instrument :

MSVOA_X

ClientSampleId :

PB144231TB

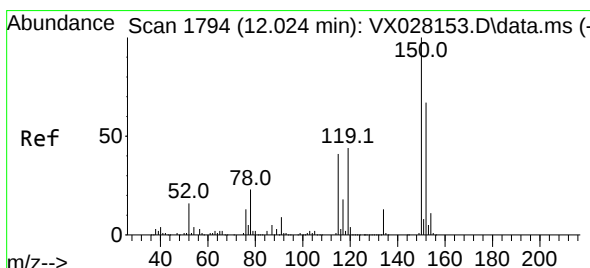
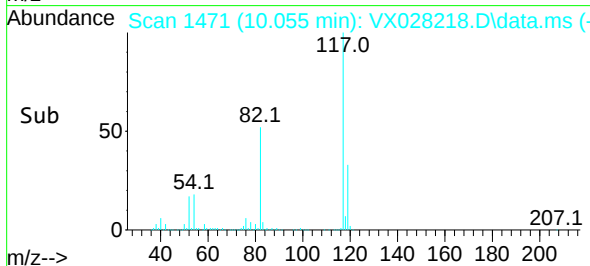
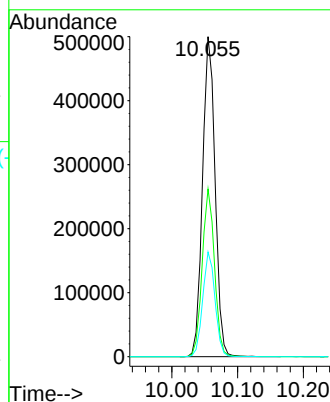
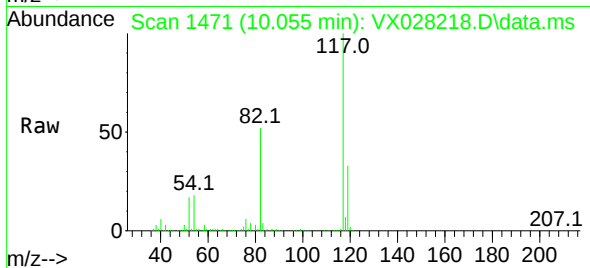
Tgt Ion:117 Resp: 665620

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

119 32.7 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: VX028218.D

Acq: 21 Apr 2022 00:19

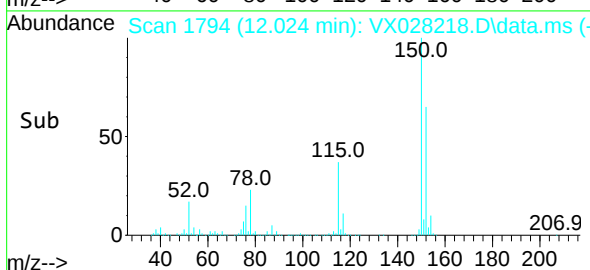
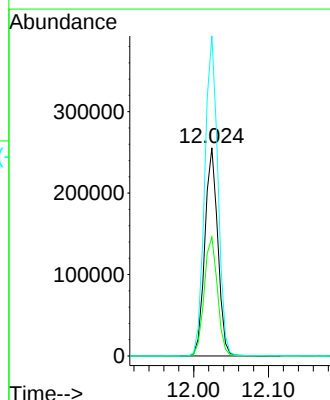
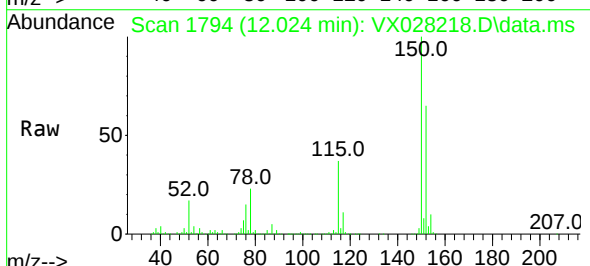
Tgt Ion:152 Resp: 307201

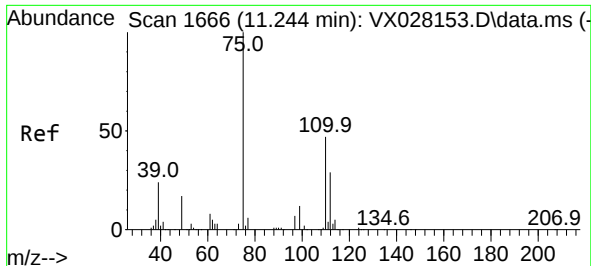
Ion Ratio Lower Upper

152 100

115 58.5 37.5 112.7

150 155.9 0.0 338.2

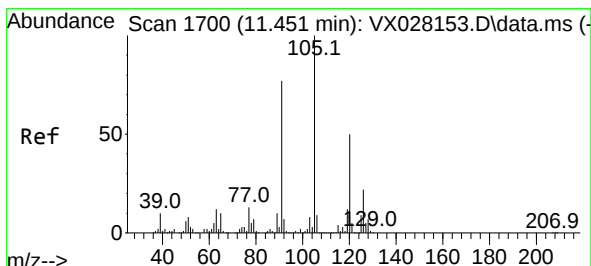
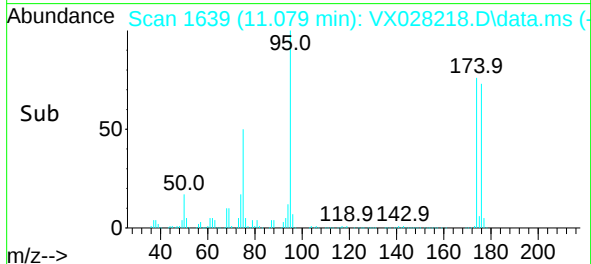
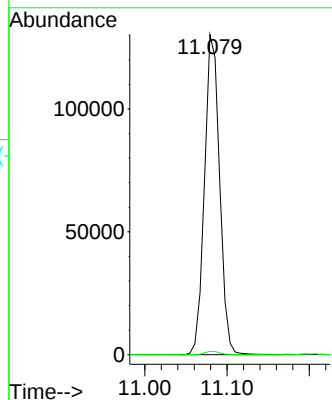
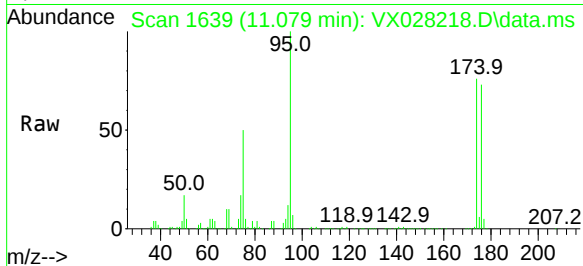




#76
1,2,3-Trichloropropane
Concen: 27.513 ug/l
RT: 11.079 min Scan# 1666
Delta R.T. -0.165 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

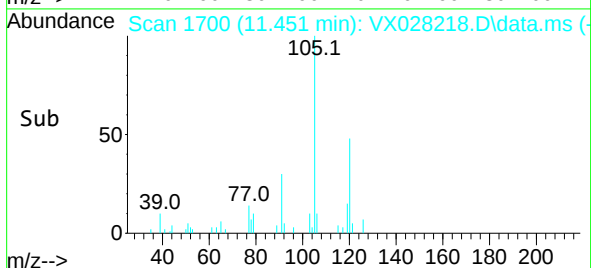
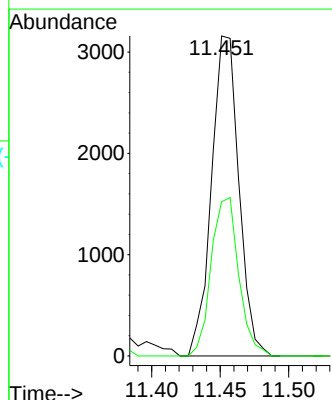
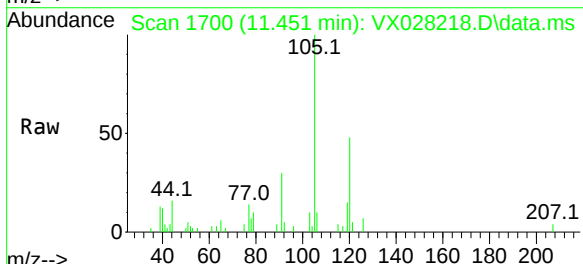
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

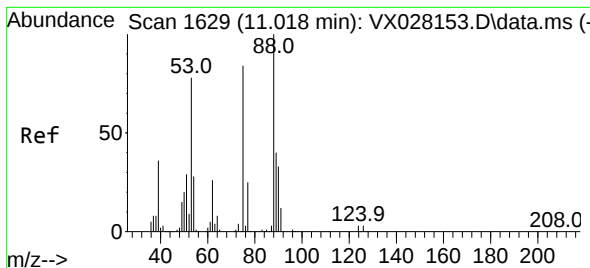
Tgt Ion: 75 Resp: 166341
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.245 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 105 Resp: 4389
Ion Ratio Lower Upper
105 100
120 49.6 24.3 72.9

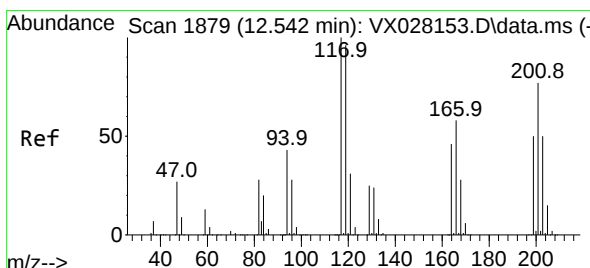
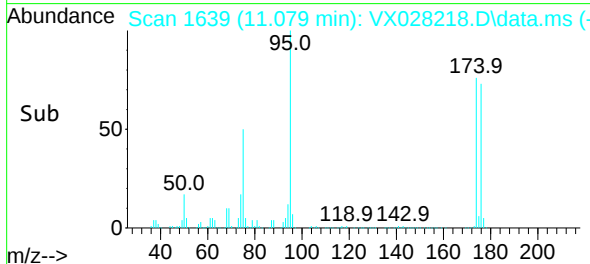
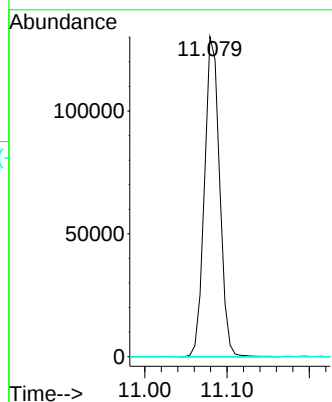
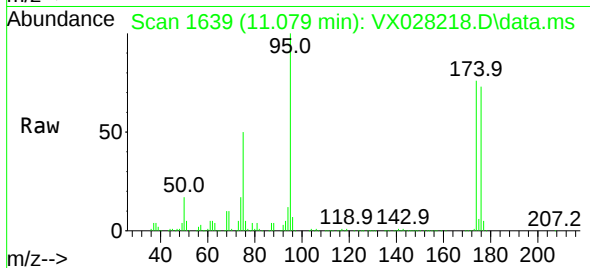




#81
trans-1,4-Dichloro-2-butene
Concen: 81.761 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

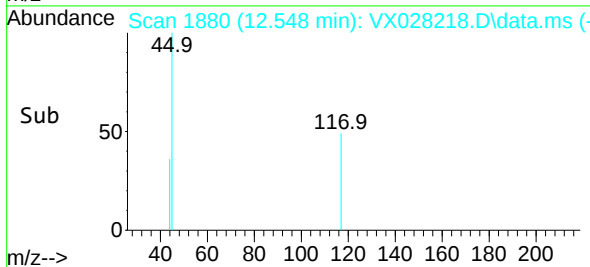
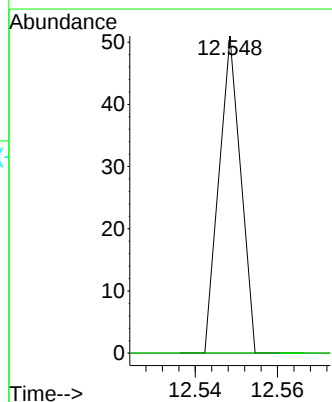
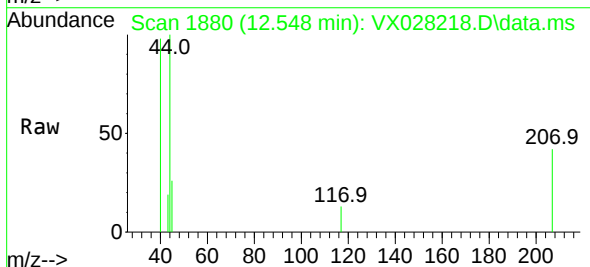
Instrument :
MSVOA_X
ClientSampleId :
PB144231TB

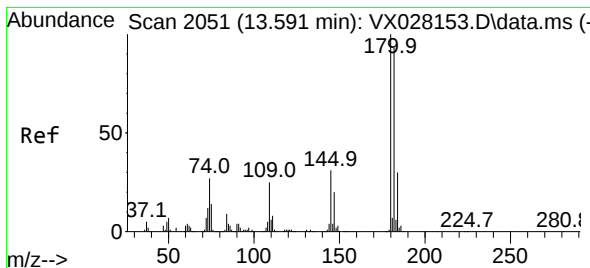
Tgt Ion: 75 Resp: 166341
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.819 ug/l
RT: 12.548 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VX028218.D
Acq: 21 Apr 2022 00:19

Tgt Ion: 117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#93

1,2,4-Trichlorobenzene

Concen: 0.212 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

Instrument :

MSVOA_X

ClientSampleId :

PB144231TB

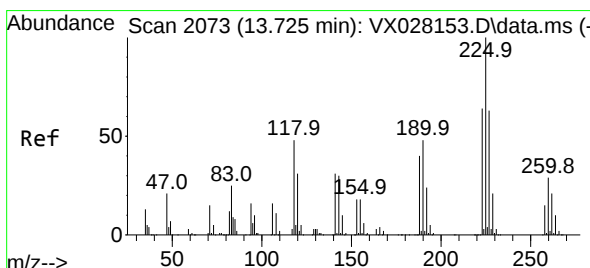
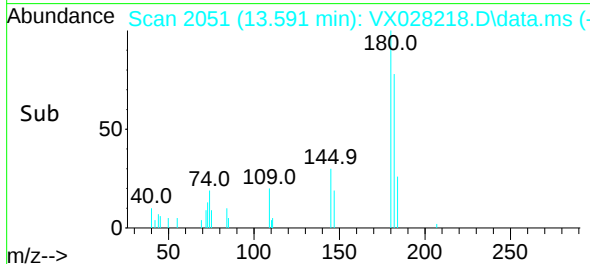
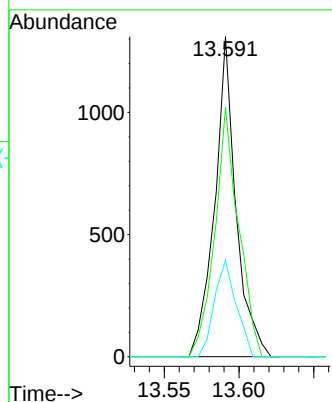
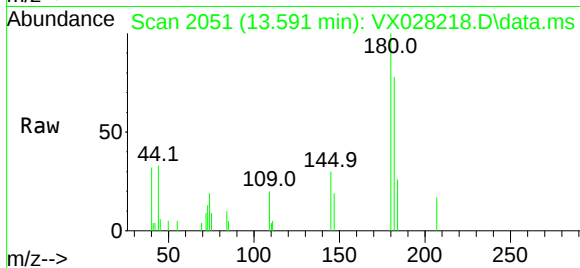
Tgt Ion:180 Resp: 1296

Ion Ratio Lower Upper

180 100

182 87.0 47.7 143.1

145 30.9 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.272 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX028218.D

Acq: 21 Apr 2022 00:19

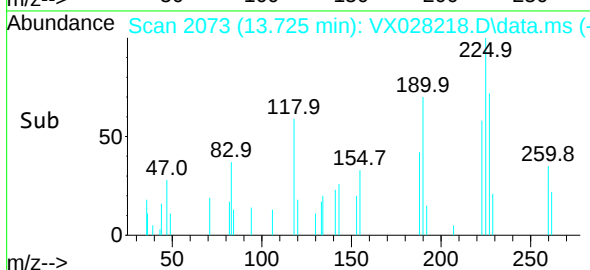
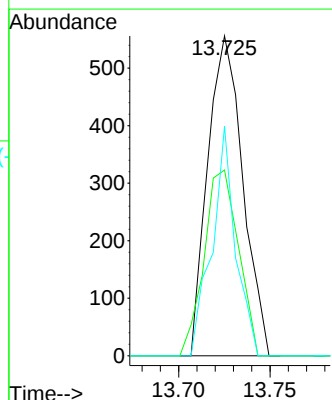
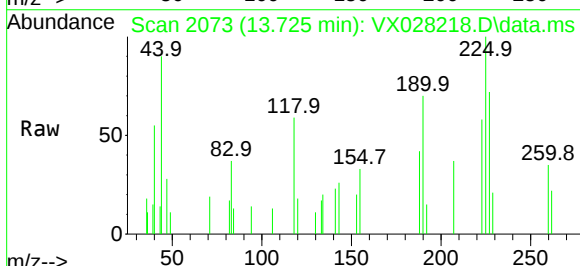
Tgt Ion:225 Resp: 741

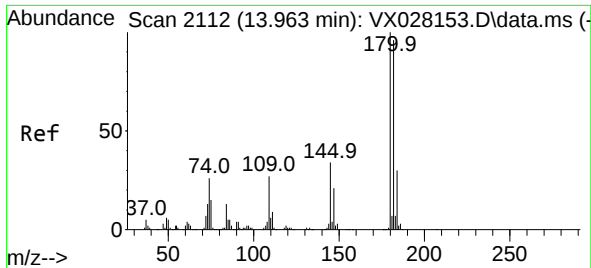
Ion Ratio Lower Upper

225 100

223 57.0 34.2 102.5

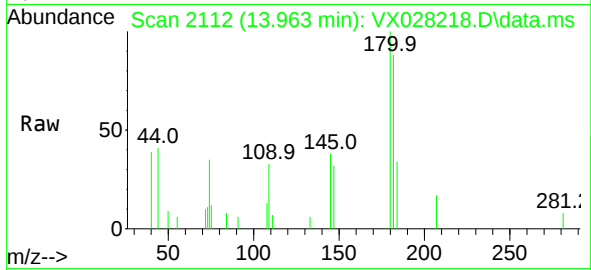
227 48.2 33.9 101.7





#96
 1,2,3-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX028218.D
 Acq: 21 Apr 2022 00:19

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231TB



Tgt Ion:	180	Resp:	1337
Ion	Ratio	Lower	Upper
180	100		
182	97.8	50.0	149.8
145	36.4	16.2	48.5

