

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028176.D
 Acq On : 19 Apr 2022 22:02
 Operator : JC/MD
 Sample : PB144164ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

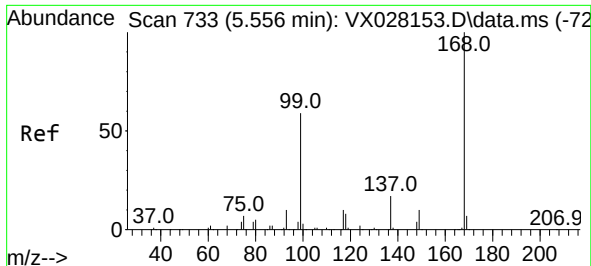
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#06

Quant Time: Apr 20 08:19:47 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	399770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	689670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	694921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	247186	47.421	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.840%		
35) Dibromofluoromethane	5.391	113	222753	46.056	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.120%		
50) Toluene-d8	8.653	98	830586	44.712	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.420%		
62) 4-Bromofluorobenzene	11.079	95	312195	43.953	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.900%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	419	Below Cal	#	42
5) Bromomethane	1.617	94	821	Below Cal		95
6) Chloroethane	1.563	64	2604	Below Cal	#	61
8) Diethyl Ether	2.130	74	215	Below Cal	#	44
10) Methyl Iodide	2.459	142	544	5.344	ug/l #	89
11) Tert butyl alcohol	2.953	59	3013	Below Cal	#	77
13) Acrolein	2.227	56	193	0.302	ug/l #	74
16) Acetone	2.379	43	19832	11.123	ug/l	92
18) Methyl Acetate	2.703	43	2240	0.483	ug/l	94
20) Methylene Chloride	2.788	84	204431	52.857	ug/l	98
25) 2-Butanone	4.568	43	3975	1.288	ug/l	93
31) Cyclohexane	5.550	56	7977	1.256	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	29121	4.616	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39271	5.514	ug/l #	15
43) Isopropyl Acetate	6.342	43	32232	3.094	ug/l	97
48) Methyl methacrylate	7.598	41	7964	1.665	ug/l #	7
49) 1,4-Dioxane	7.799	88	365	2.852	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	117157	17.523	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	61443	7.900	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	38457	4.571	ug/l #	43
59) 2-Hexanone	9.482	43	440551	85.067	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	157290	25.066	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6174	0.332	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	157290	74.491	ug/l #	15

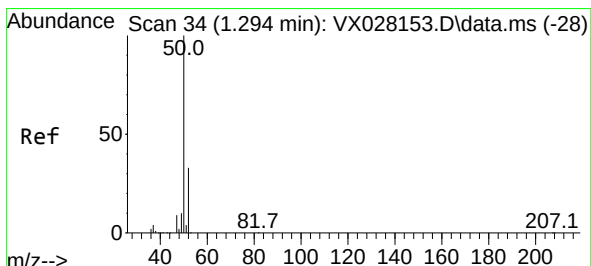
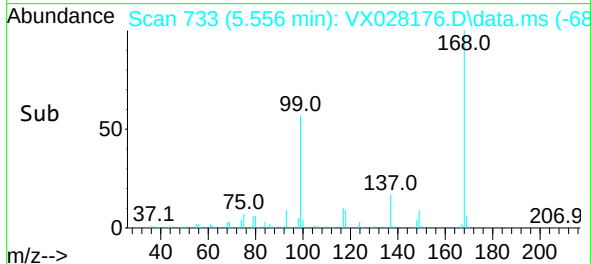
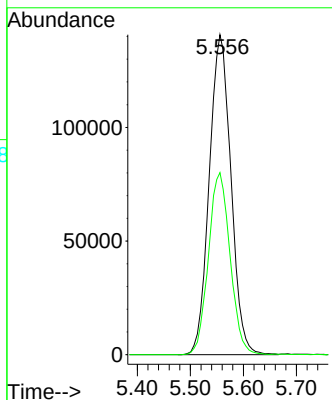
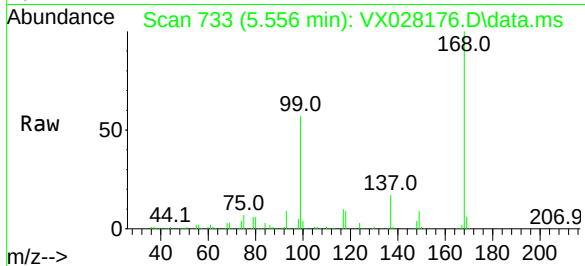
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028176.D
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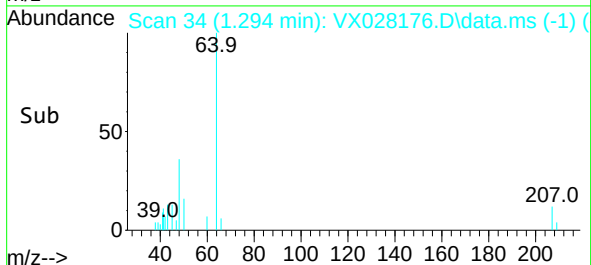
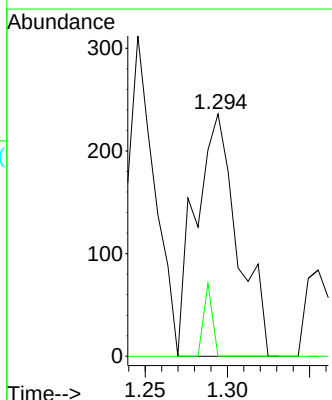
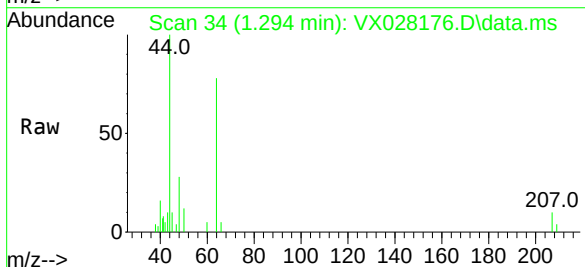
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

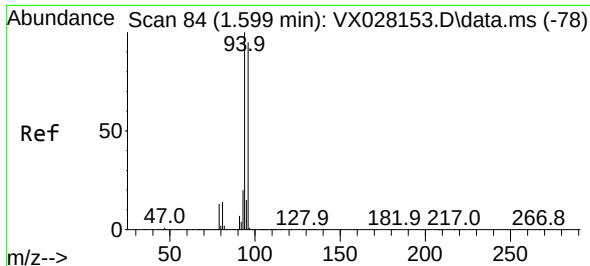
Tgt Ion:168 Resp: 399770
Ion Ratio Lower Upper
168 100
99 56.9 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 50 Resp: 419
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

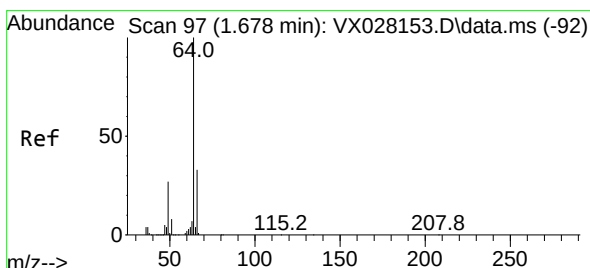
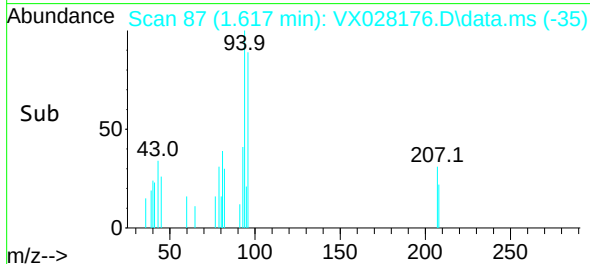
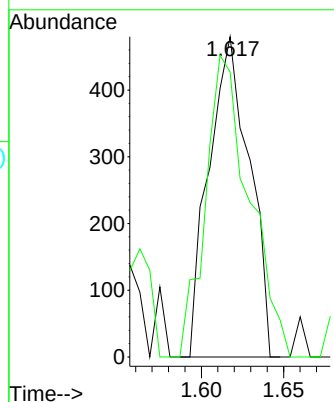
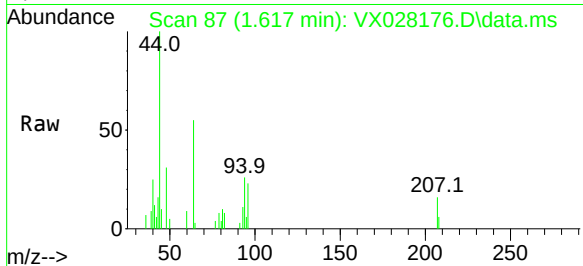




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

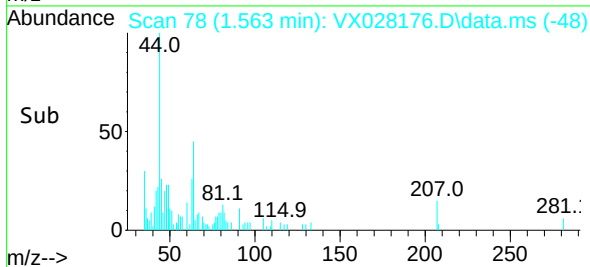
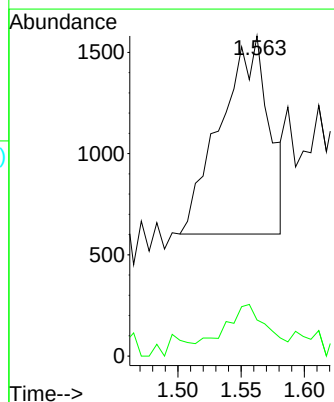
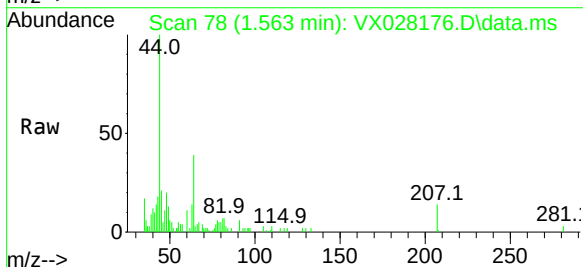
Instrument :
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ClientSampleId :
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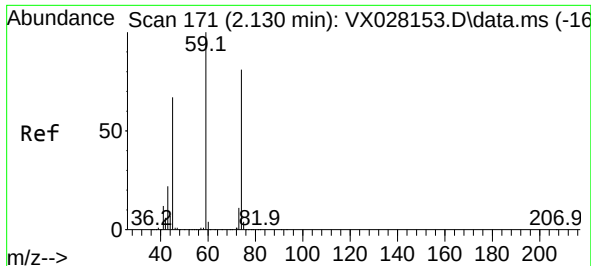
Tgt Ion: 94 Resp: 821
Ion Ratio Lower Upper
94 100
96 89.0 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.563 min Scan# 78
Delta R.T. -0.115 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 64 Resp: 2604
Ion Ratio Lower Upper
64 100
66 10.2 25.3 37.9

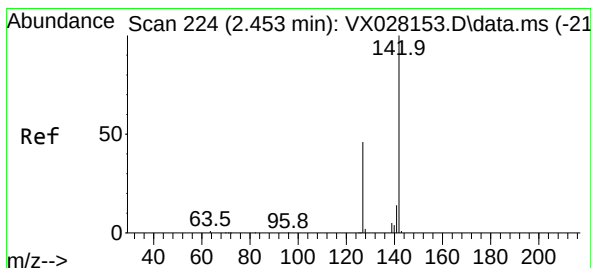
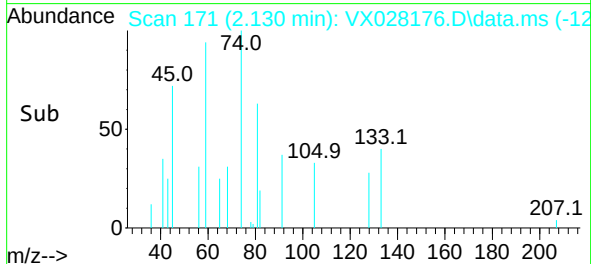
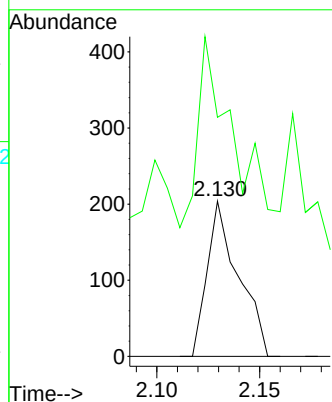
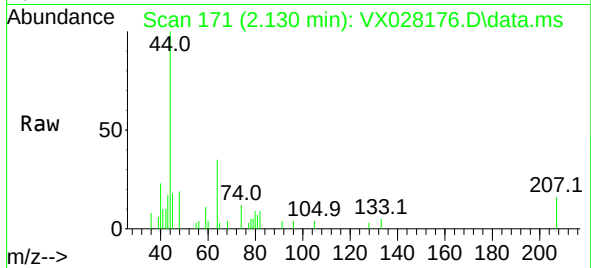




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

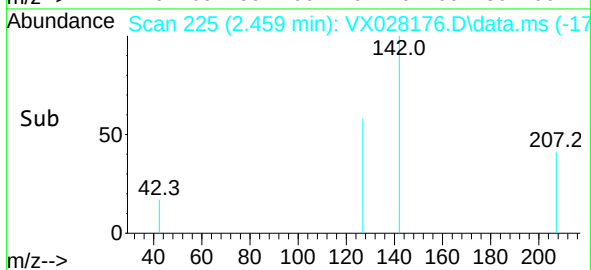
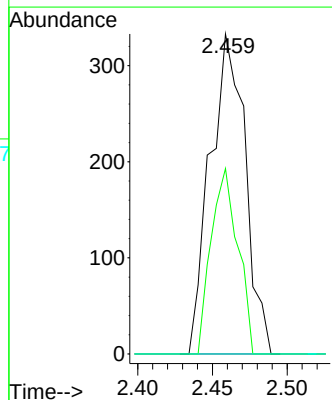
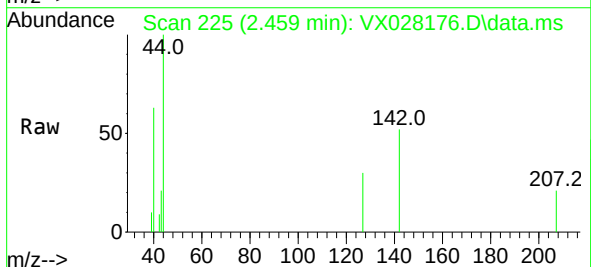
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ClientSampleId :
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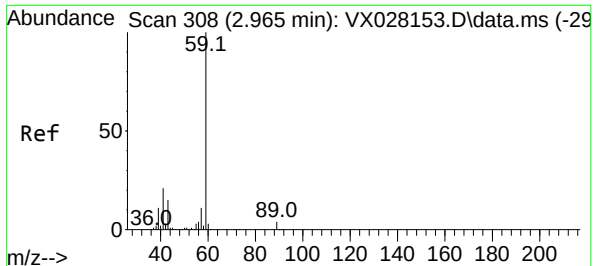
Tgt Ion: 74 Resp: 215
Ion Ratio Lower Upper
74 100
45 134.9 42.0 126.0#



#10
Methyl Iodide
Concen: 5.344 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion:142 Resp: 544
Ion Ratio Lower Upper
142 100
127 44.1 33.9 50.9
141 0.0 11.4 17.2#

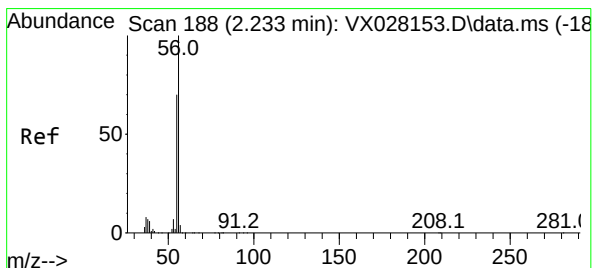
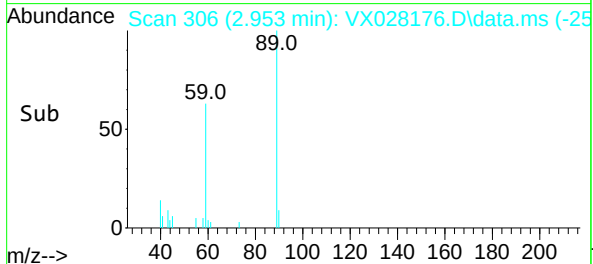
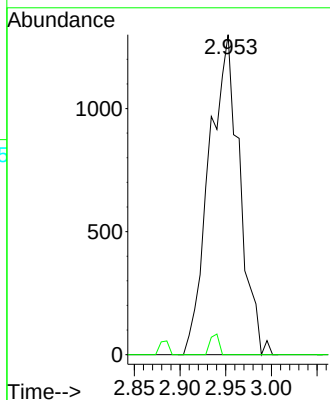
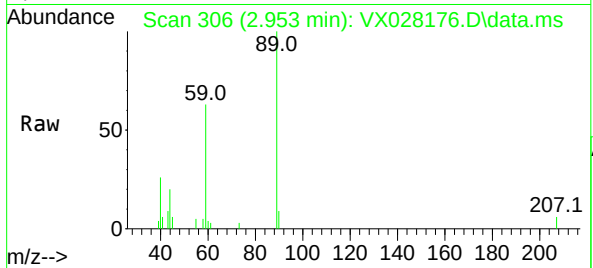




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

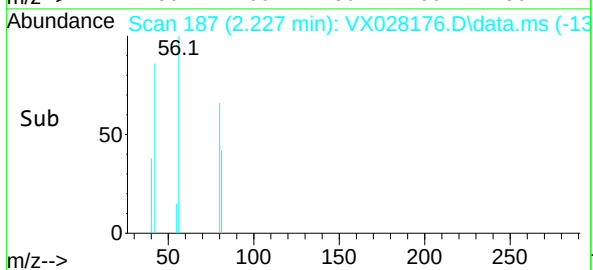
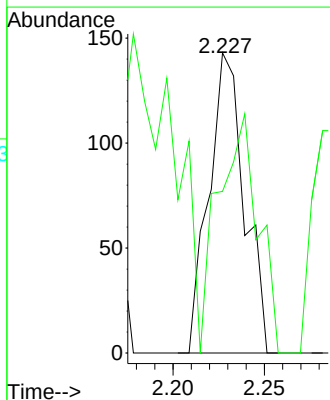
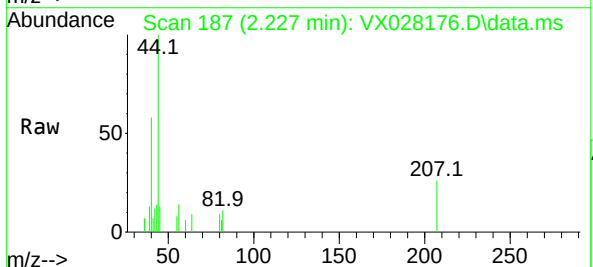
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

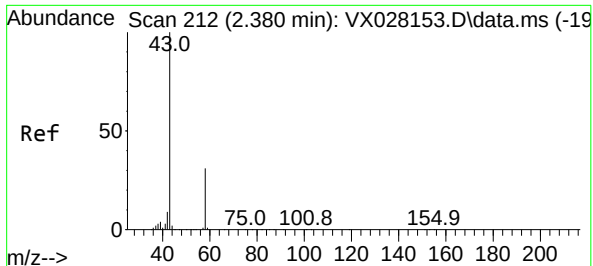
Tgt Ion: 59 Resp: 3013
Ion Ratio Lower Upper
59 100
57 1.9 8.3 12.5#



#13
Acrolein
Concen: 0.302 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 89.6 55.0 82.6#

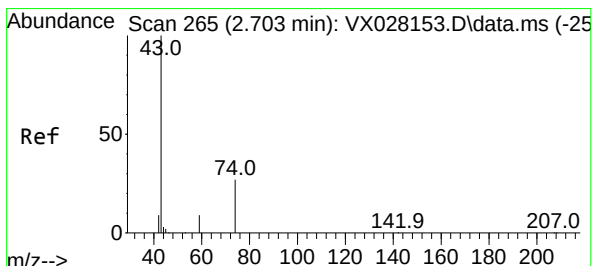
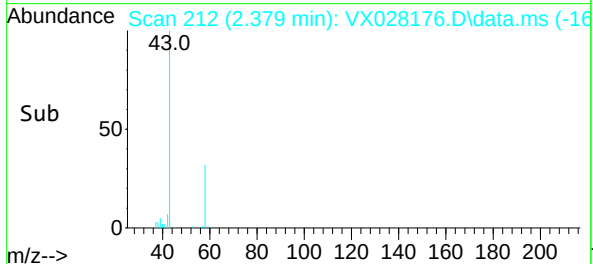
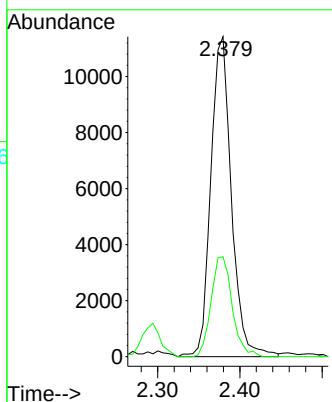
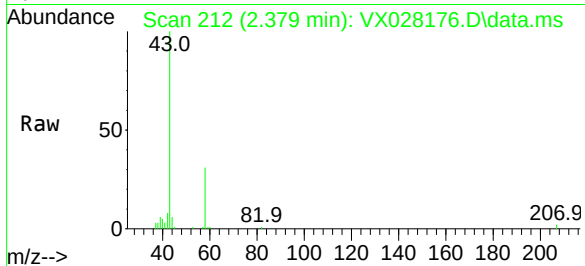




#16
Acetone
Concen: 11.123 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

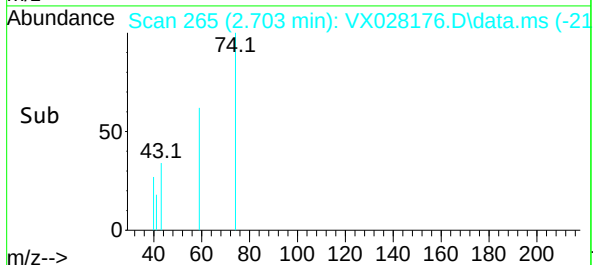
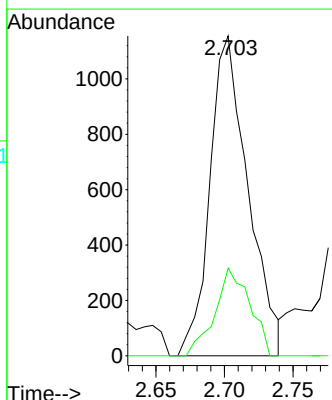
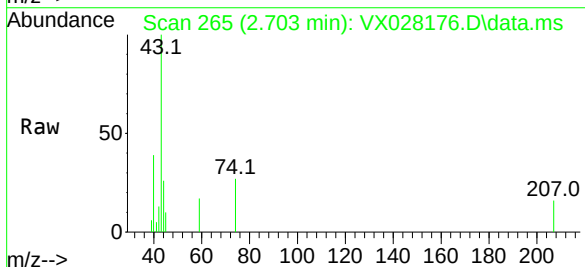
Instrument :
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ClientSampleId :
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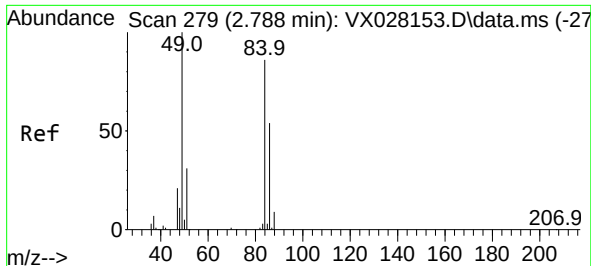
Tgt Ion: 43 Resp: 19832
Ion Ratio Lower Upper
43 100
58 31.2 28.8 43.2



#18
Methyl Acetate
Concen: 0.483 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

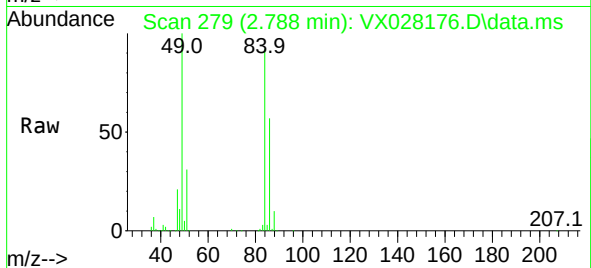
Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
74 25.1 22.8 34.2





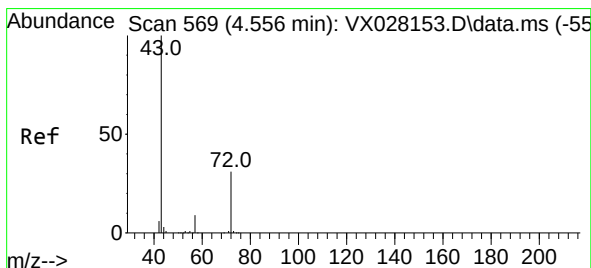
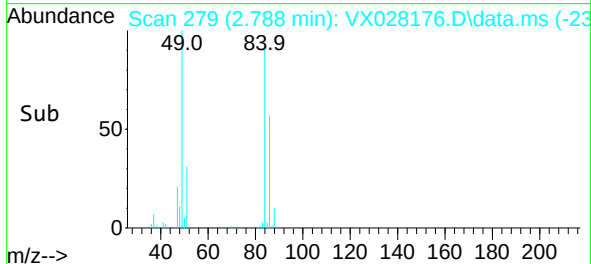
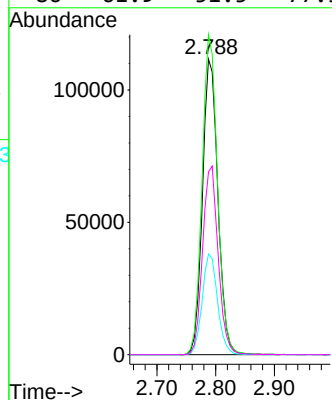
#20
Methylene Chloride
Concen: 52.857 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06



Tgt Ion: 84 Resp: 204431

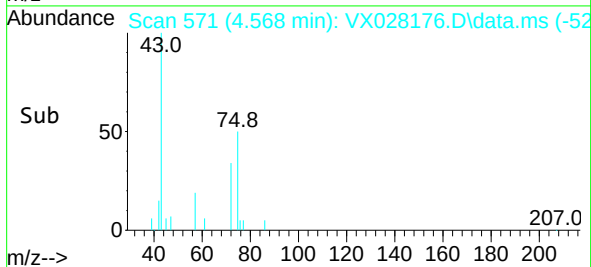
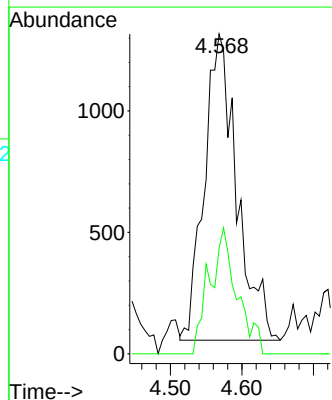
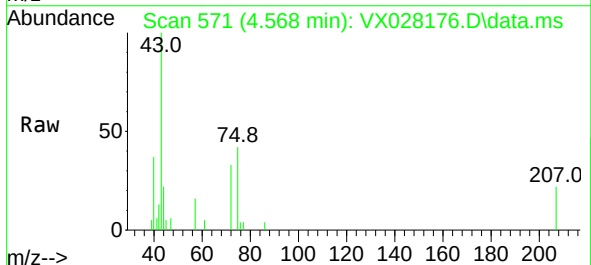
Ion	Ratio	Lower	Upper
84	100		
49	108.3	85.5	128.3
51	34.1	26.6	39.8
86	61.9	51.5	77.3

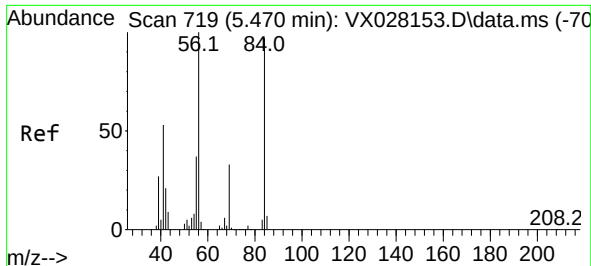


#25
2-Butanone
Concen: 1.288 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 43 Resp: 3975

Ion	Ratio	Lower	Upper
43	100		
72	34.4	24.4	36.6

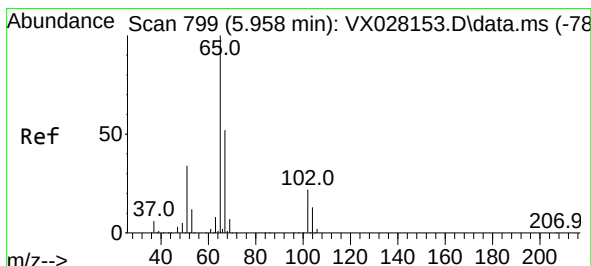
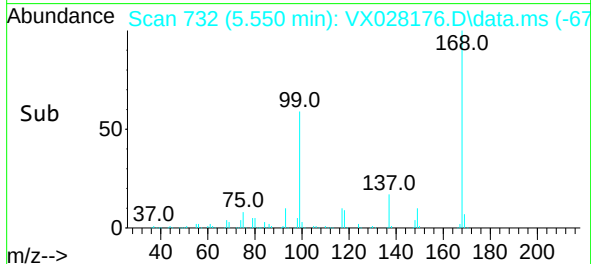
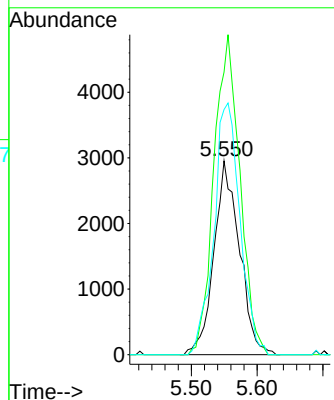
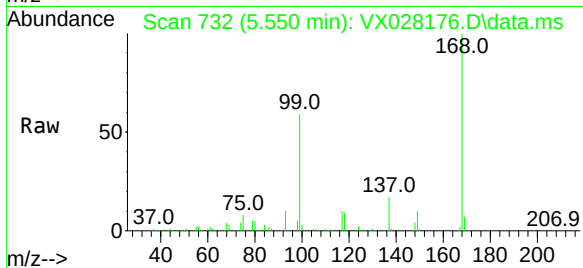




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

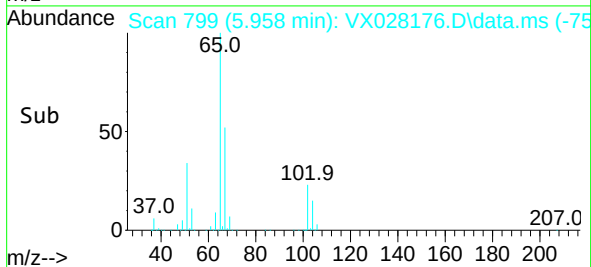
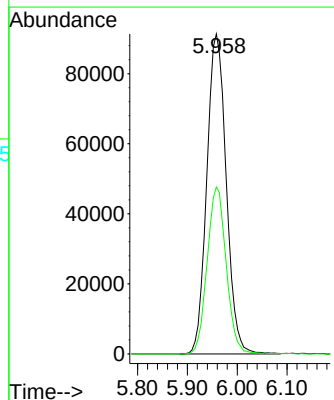
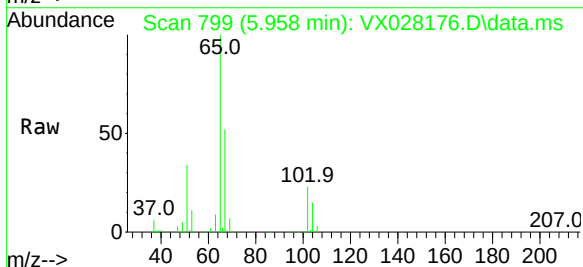
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

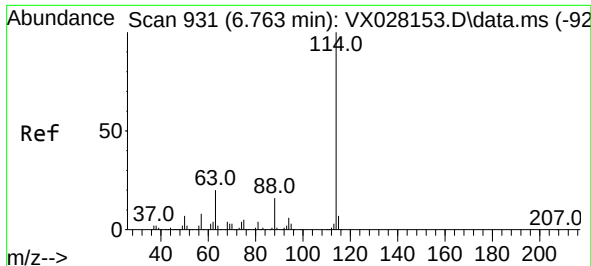
Tgt Ion: 56 Resp: 7977
Ion Ratio Lower Upper
56 100
69 145.8 26.7 40.1#
84 126.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.421 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 65 Resp: 247186
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.4

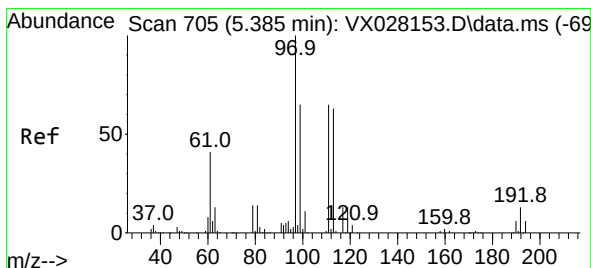
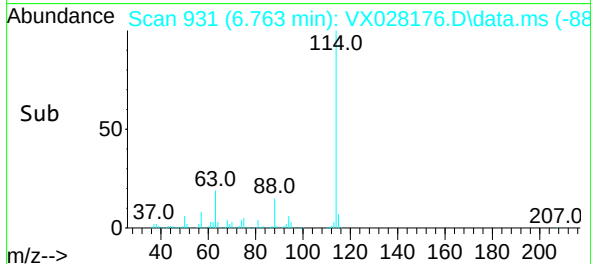
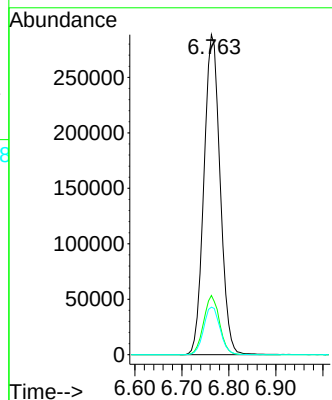
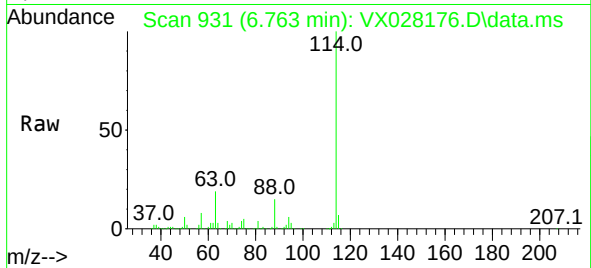




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

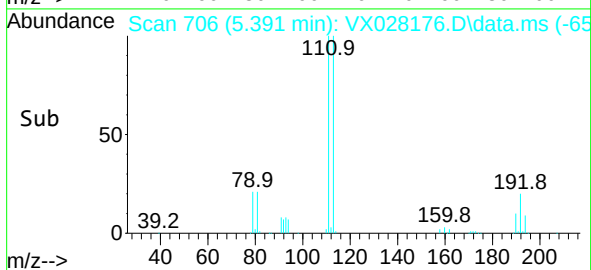
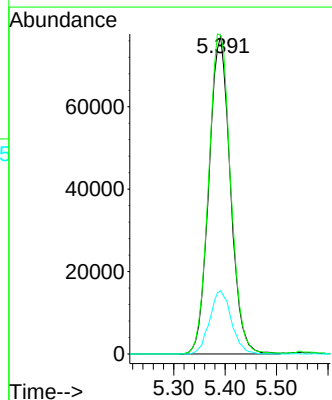
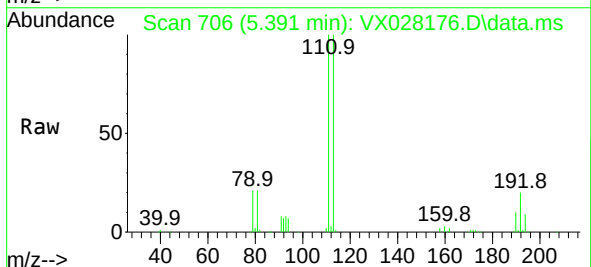
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

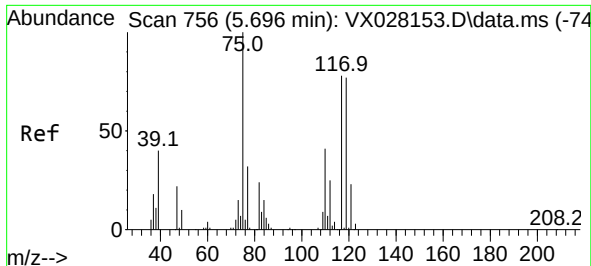
Tgt Ion:114 Resp: 689670
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 14.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.056 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion:113 Resp: 222753
Ion Ratio Lower Upper
113 100
111 103.7 82.8 124.2
192 20.2 16.9 25.3

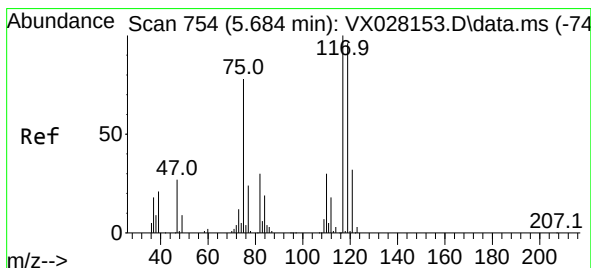
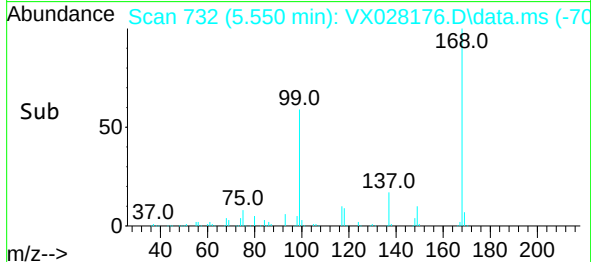
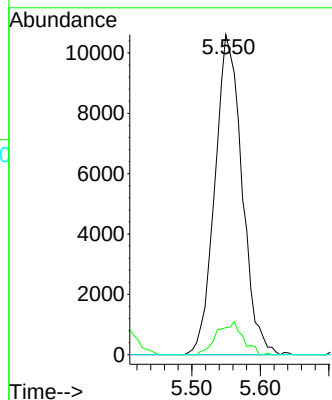
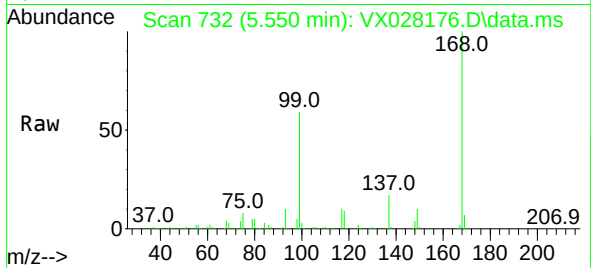




#36
1,1-Dichloropropene
Concen: 4.616 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

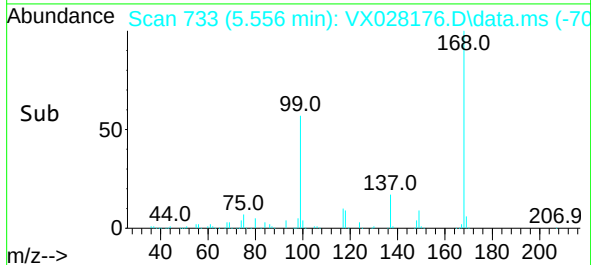
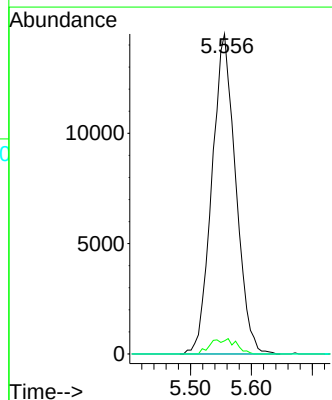
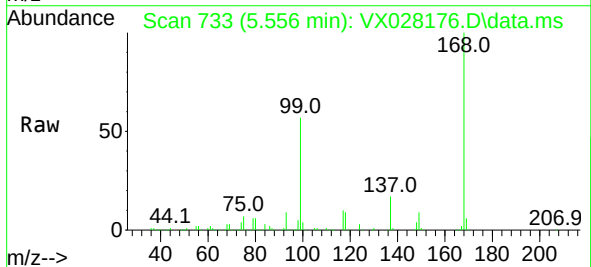
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

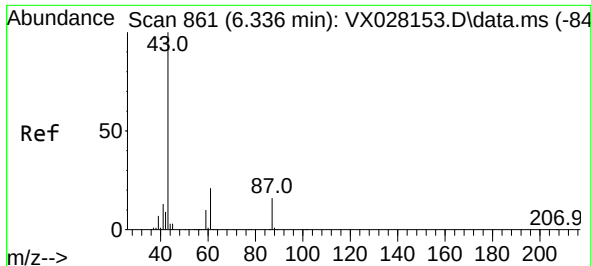
Tgt Ion: 75 Resp: 29121
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.514 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 117 Resp: 39271
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

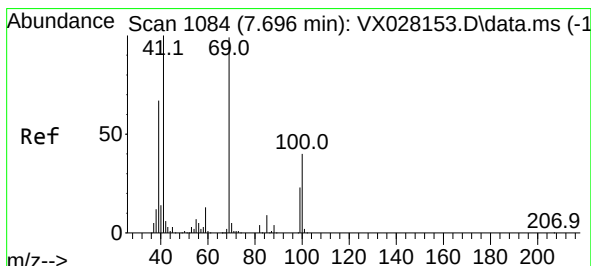
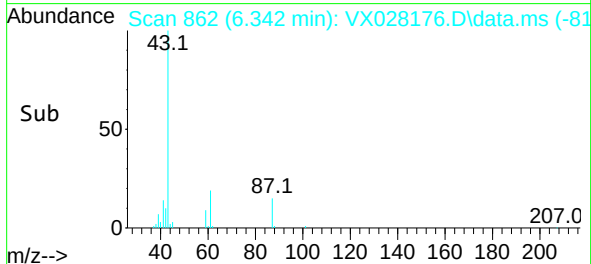
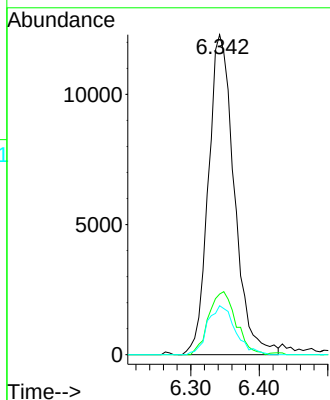
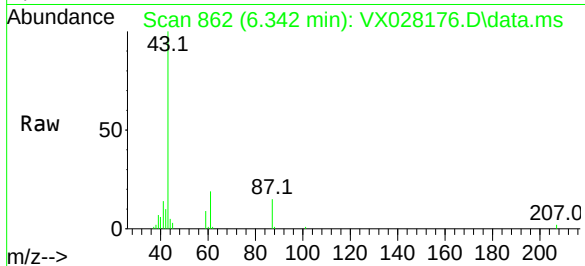




#43
Isopropyl Acetate
Concen: 3.094 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

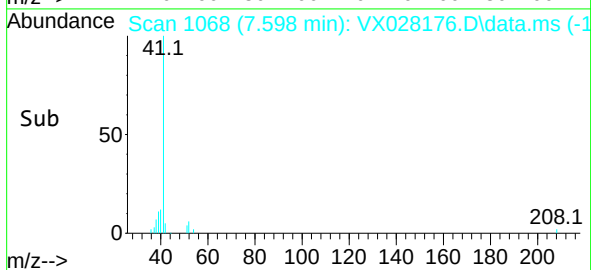
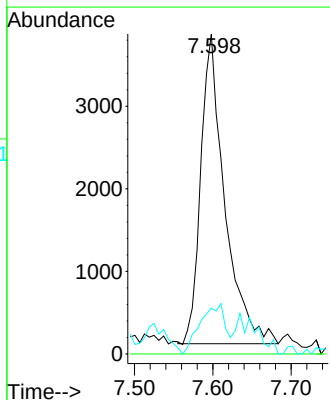
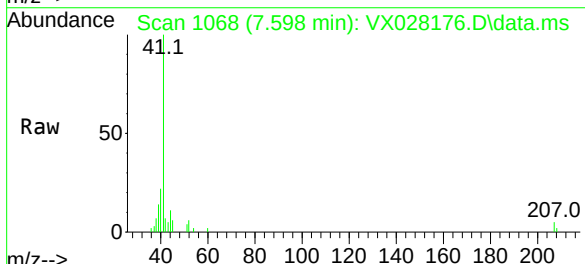
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

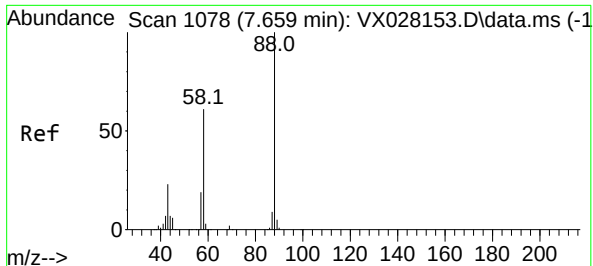
Tgt Ion: 43 Resp: 32232
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 16.4 13.0 19.6



#48
Methyl methacrylate
Concen: 1.665 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 41 Resp: 7964
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#





#49

1,4-Dioxane

Concen: 2.852 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028176.D

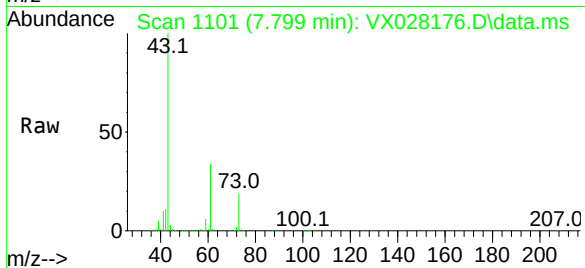
Acq: 19 Apr 2022 22:02

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#06



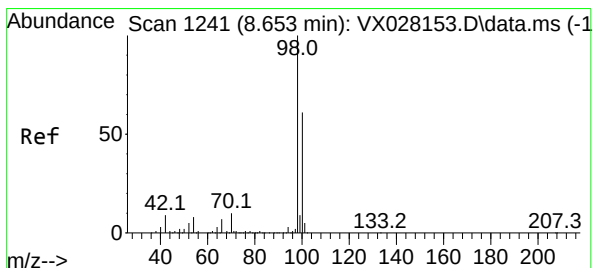
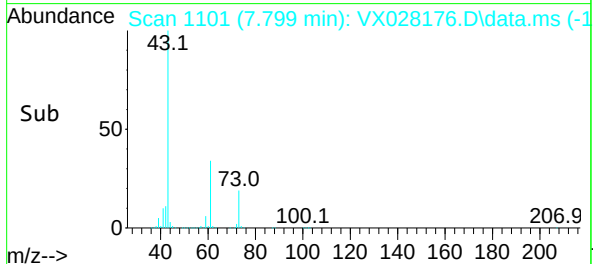
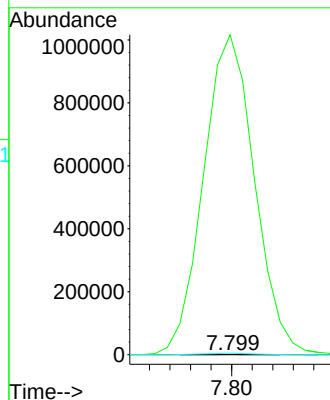
Tgt Ion: 88 Resp: 365

Ion Ratio Lower Upper

88 100

43 482799.7 21.9 32.9#

58 2139.5 53.7 80.5#



#50

Toluene-d8

Concen: 44.712 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028176.D

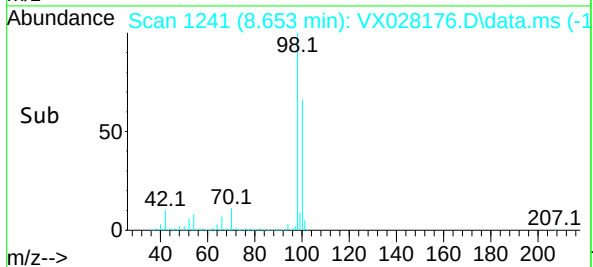
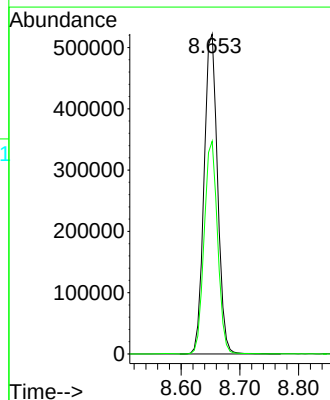
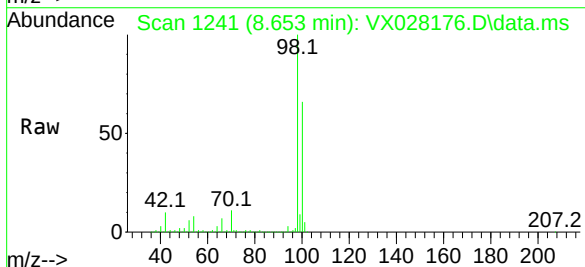
Acq: 19 Apr 2022 22:02

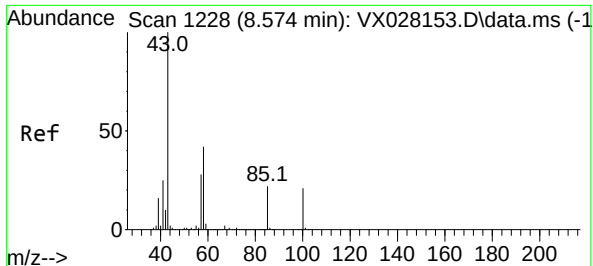
Tgt Ion: 98 Resp: 830586

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8

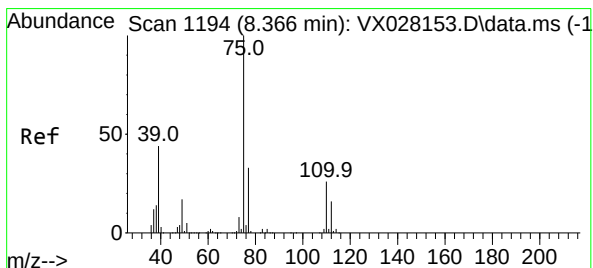
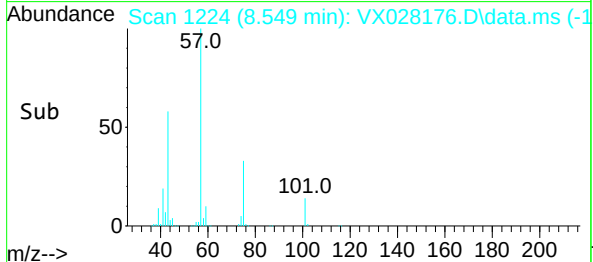
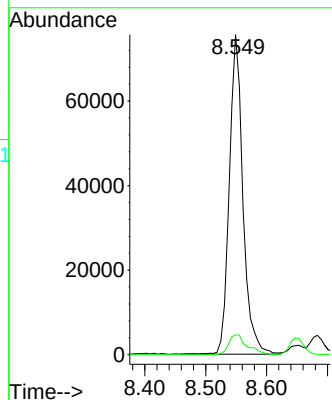
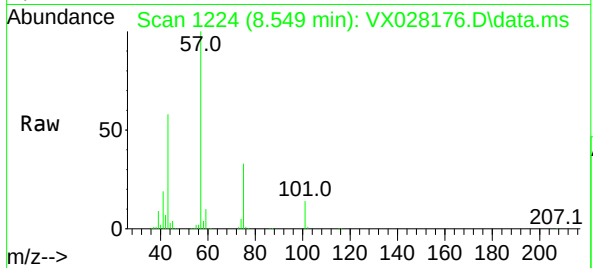




#51
4-Methyl-2-Pentanone
Concen: 17.523 ug/l
RT: 8.549 min Scan# 117157
Delta R.T. -0.025 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

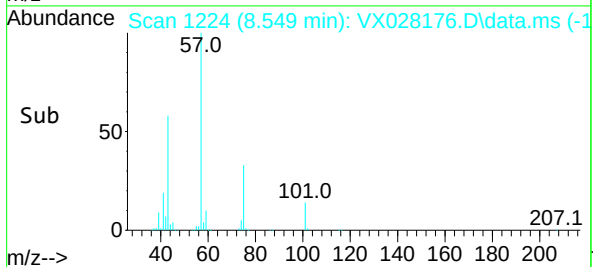
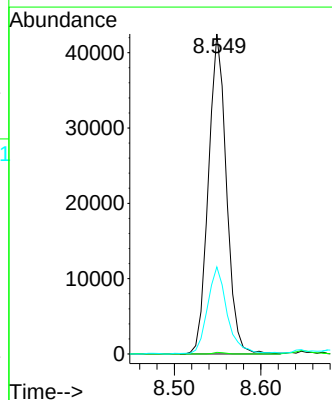
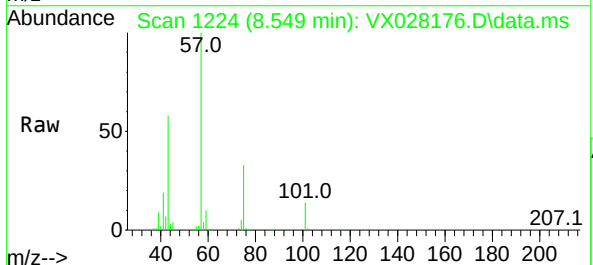
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#06

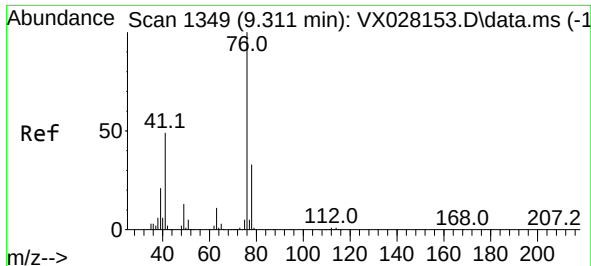
Tgt Ion: 43 Resp: 117157
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.900 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028176.D
Acq: 19 Apr 2022 22:02

Tgt Ion: 75 Resp: 61443
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 27.0 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.571 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028176.D

Acq: 19 Apr 2022 22:02

Instrument :

MSVOA_X

ClientSampleId :

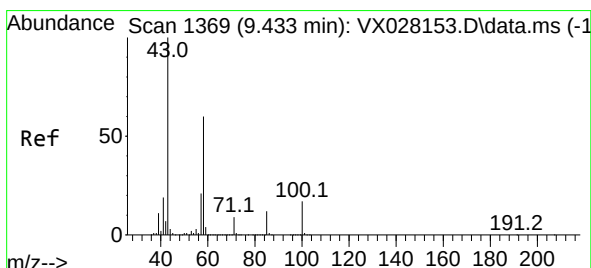
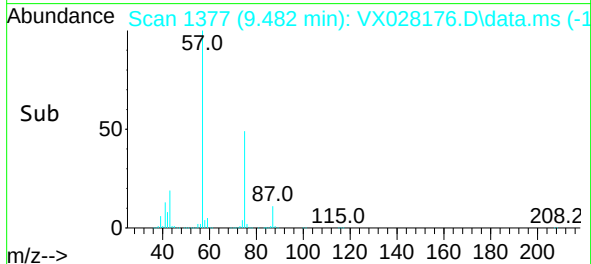
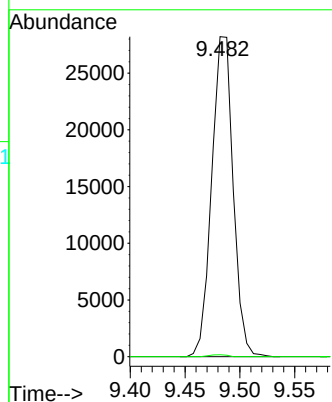
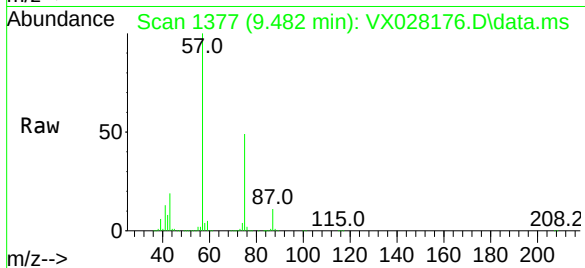
PB144164ZHE#06

Tgt Ion: 76 Resp: 38457

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 85.067 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028176.D

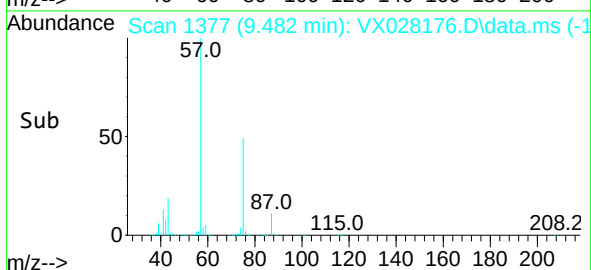
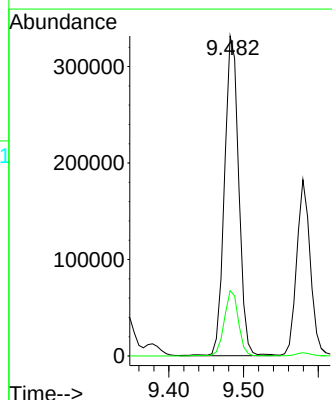
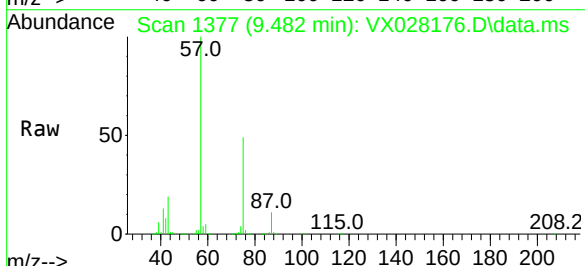
Acq: 19 Apr 2022 22:02

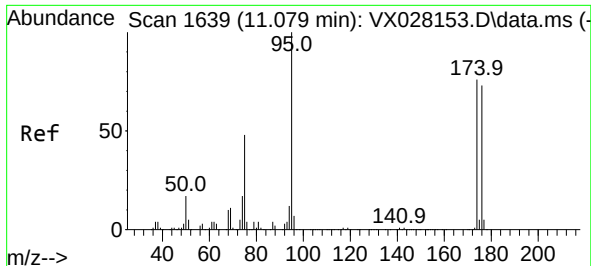
Tgt Ion: 43 Resp: 440551

Ion Ratio Lower Upper

43 100

58 19.9 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 43.953 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028176.D

Acq: 19 Apr 2022 22:02

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#06

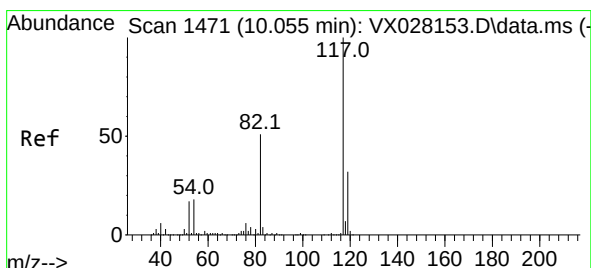
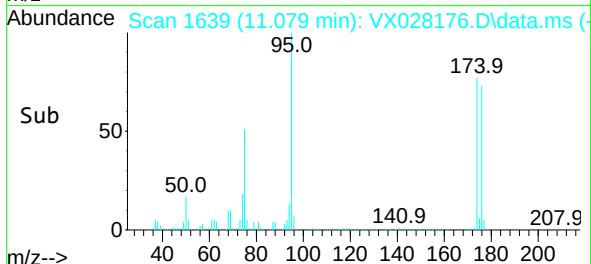
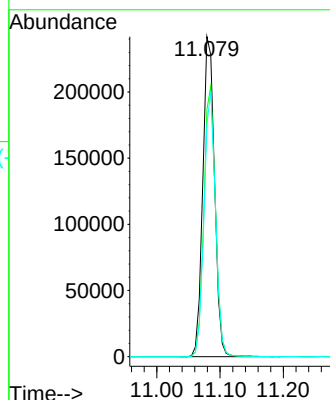
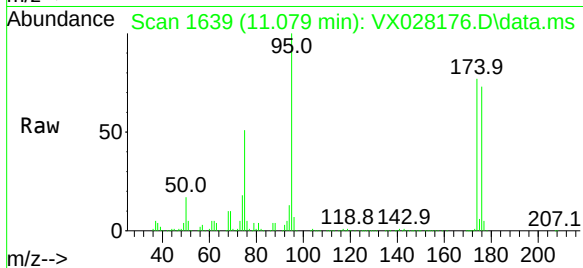
Tgt Ion: 95 Resp: 312195

Ion Ratio Lower Upper

95 100

174 83.9 0.0 163.0

176 81.1 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: VX028176.D

Acq: 19 Apr 2022 22:02

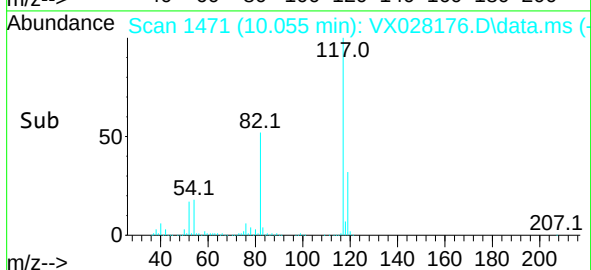
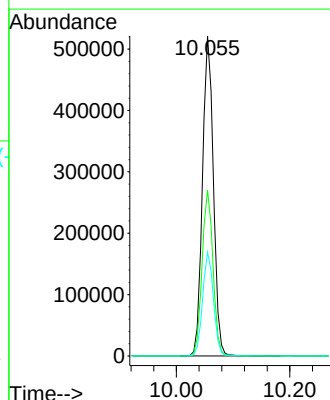
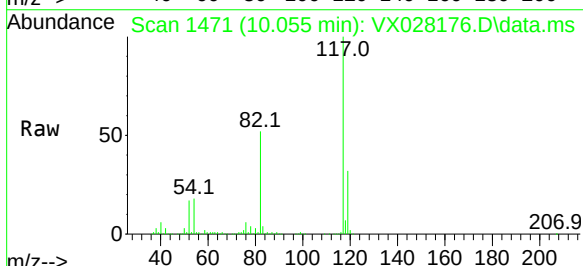
Tgt Ion: 117 Resp: 694921

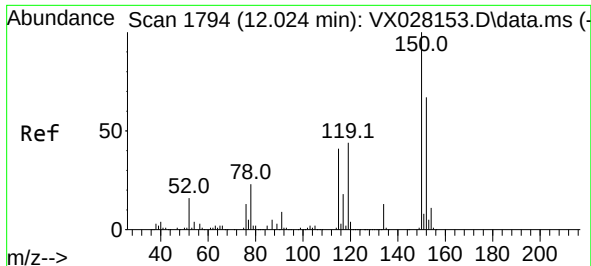
Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 32.4 24.8 37.2

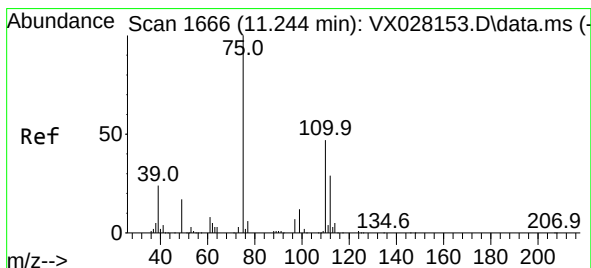
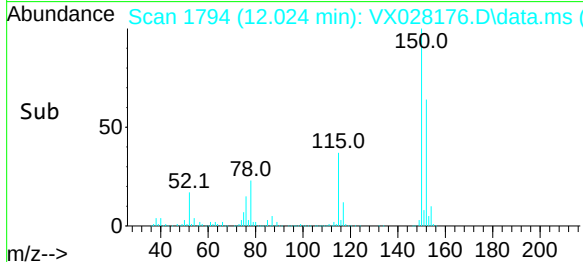
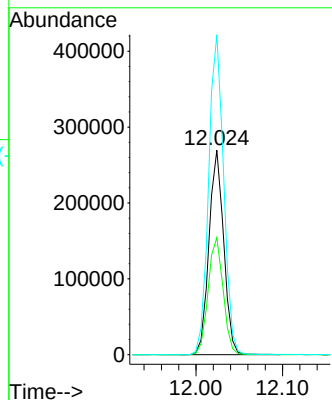
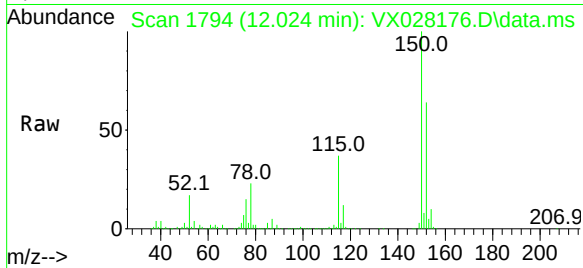




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028176.D
 Acq: 19 Apr 2022 22:02

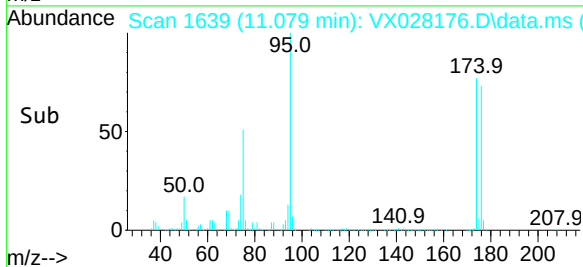
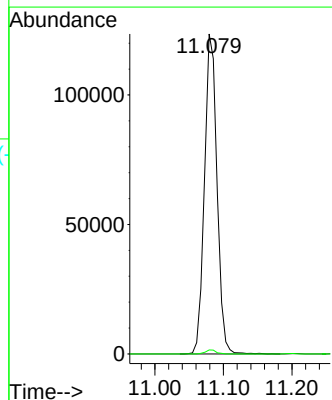
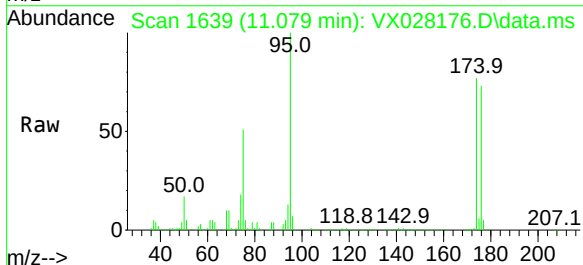
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#06

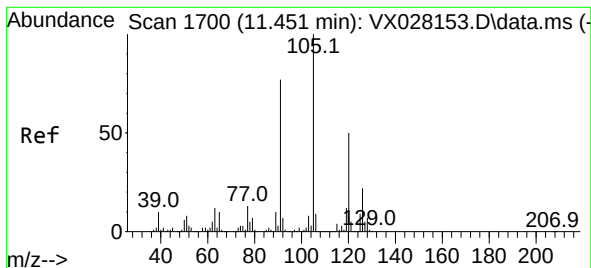
Tgt Ion:152 Resp: 318837
 Ion Ratio Lower Upper
 152 100
 115 58.2 37.5 112.7
 150 159.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.066 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028176.D
 Acq: 19 Apr 2022 22:02

Tgt Ion: 75 Resp: 157290
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.332 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028176.D

Acq: 19 Apr 2022 22:02

Instrument :

MSVOA_X

ClientSampleId :

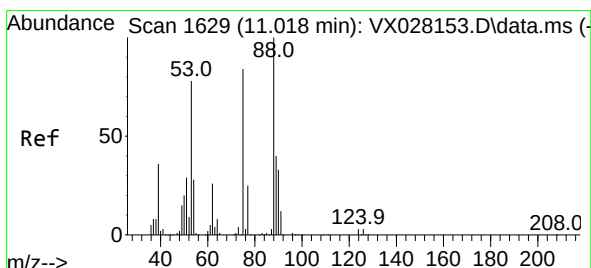
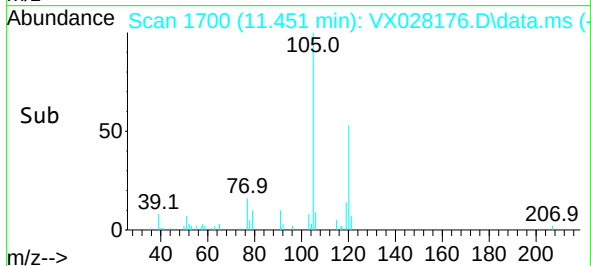
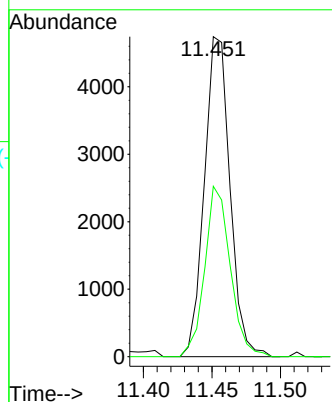
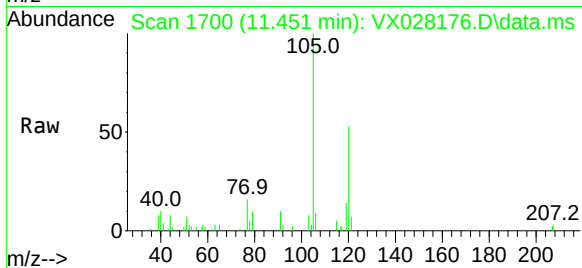
PB144164ZHE#06

Tgt Ion:105 Resp: 6174

Ion Ratio Lower Upper

105 100

120 53.1 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 74.491 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028176.D

Acq: 19 Apr 2022 22:02

Tgt Ion: 75 Resp: 157290

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.1 37.0 55.6#

