

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028182.D
 Acq On : 20 Apr 2022 00:22
 Operator : JC/MD
 Sample : PB144164ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#12

Quant Time: Apr 20 08:21:17 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)

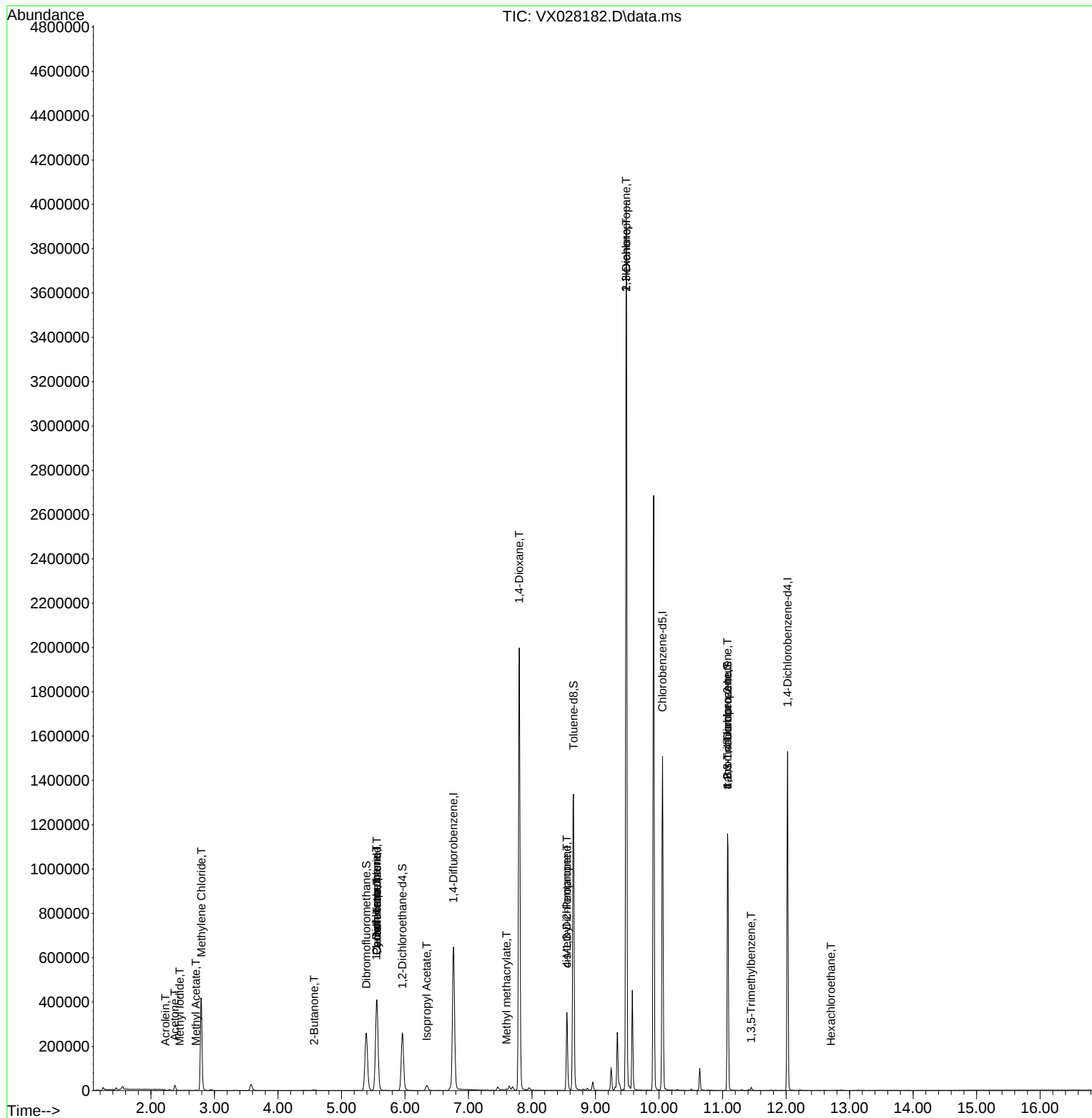
Internal Standards						
1) Pentafluorobenzene	5.556	168	396330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	681802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	686313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	309901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	244712	47.354	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.700%		
35) Dibromofluoromethane	5.391	113	224295	46.910	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.820%		
50) Toluene-d8	8.653	98	829246	45.155	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.300%		
62) 4-Bromofluorobenzene	11.079	95	308227	43.896	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	362	Below Cal	#	85
5) Bromomethane	1.617	94	740	Below Cal		98
6) Chloroethane	1.648	64	664	Below Cal	#	43
8) Diethyl Ether	2.130	74	260	Below Cal		66
10) Methyl Iodide	2.453	142	327	5.301 ug/l	#	74
11) Tert butyl alcohol	2.947	59	2442	Below Cal	#	72
13) Acrolein	2.227	56	156	0.246 ug/l	#	25
16) Acetone	2.373	43	24034	13.909 ug/l		91
18) Methyl Acetate	2.709	43	2642	0.575 ug/l	#	89
20) Methylene Chloride	2.794	84	199278	51.972 ug/l		98
25) 2-Butanone	4.568	43	4101	1.340 ug/l	#	82
31) Cyclohexane	5.556	56	7541	1.198 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	28355	4.546 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	39334	5.587 ug/l	#	15
43) Isopropyl Acetate	6.342	43	31169	3.026 ug/l		96
48) Methyl methacrylate	7.598	41	8026	1.697 ug/l	#	7
49) 1,4-Dioxane	7.799	88	328	2.593 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	113023	17.100 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	60215	7.831 ug/l	#	65
57) 1,3-Dichloropropane	9.482	76	38308	4.605 ug/l	#	43
59) 2-Hexanone	9.482	43	431657	84.312 ug/l	#	45
76) 1,2,3-Trichloropropane	11.079	75	153031	25.091 ug/l	#	38
80) 1,3,5-Trimethylbenzene	11.451	105	6153	0.340 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.079	75	153031	74.564 ug/l	#	15
90) Hexachloroethane	12.707	117	22	1.820 ug/l	#	10

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
Data File : VX028182.D
Acq On : 20 Apr 2022 00:22
Operator : JC/MD
Sample : PB144164ZHE#12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

Quant Time: Apr 20 08:21:17 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

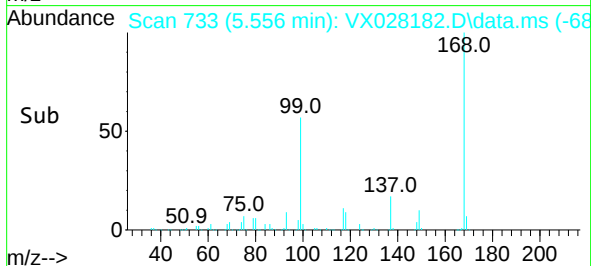
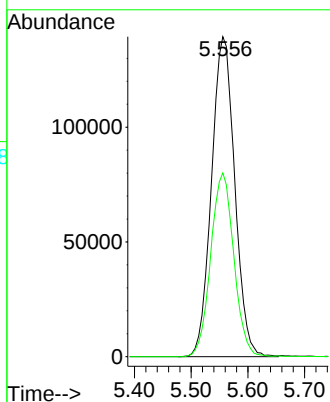
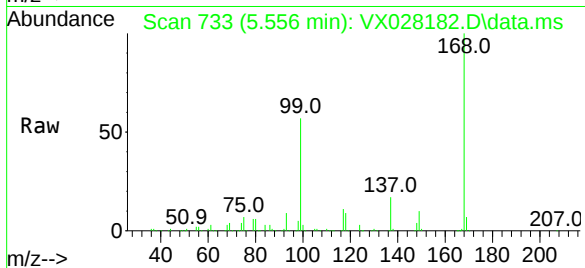




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

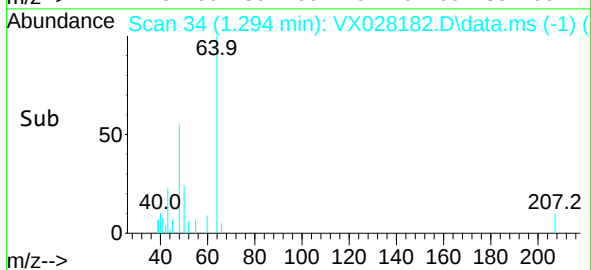
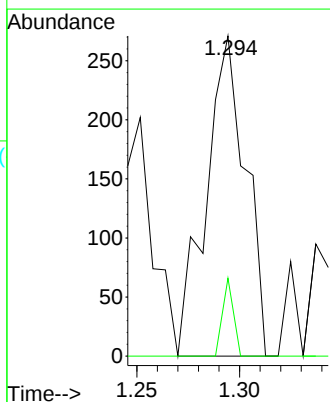
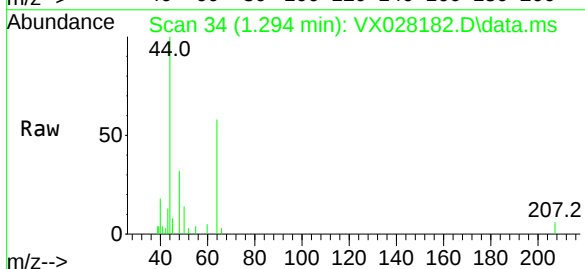
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

Tgt Ion:168 Resp: 396330
Ion Ratio Lower Upper
168 100
99 57.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 50 Resp: 362
Ion Ratio Lower Upper
50 100
52 24.4 26.4 39.6#

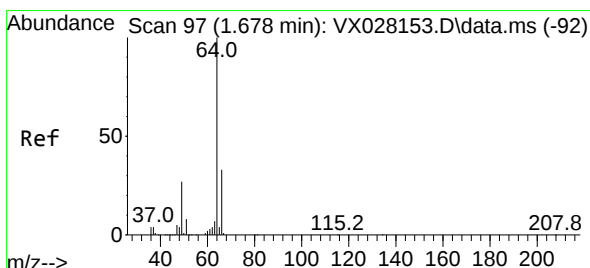
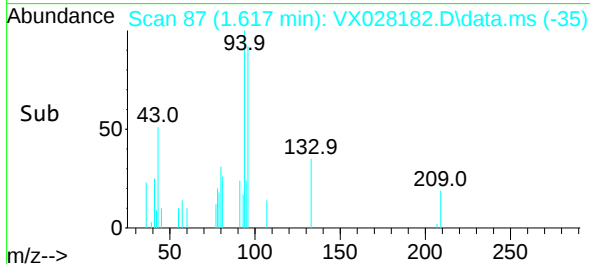
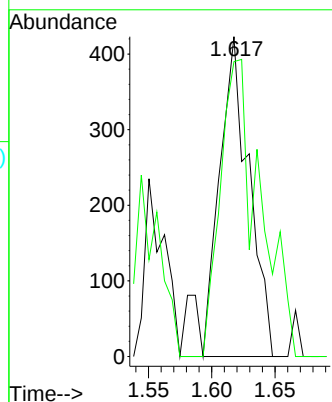
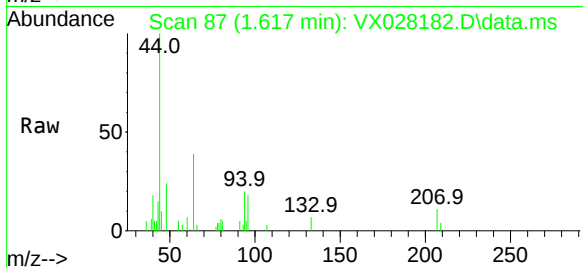




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

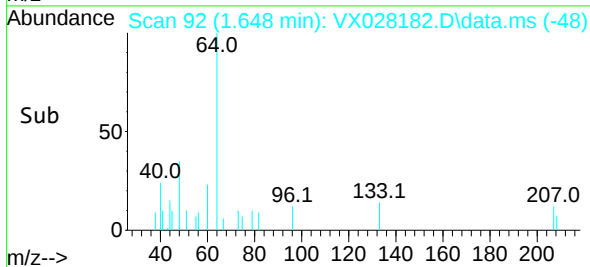
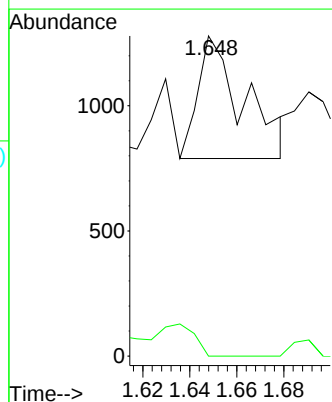
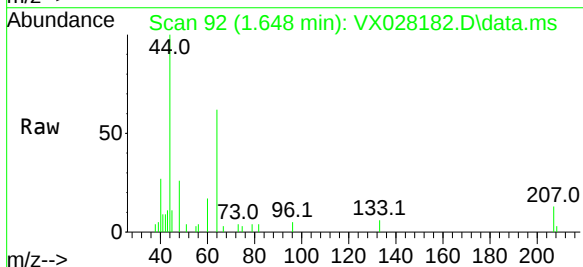
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

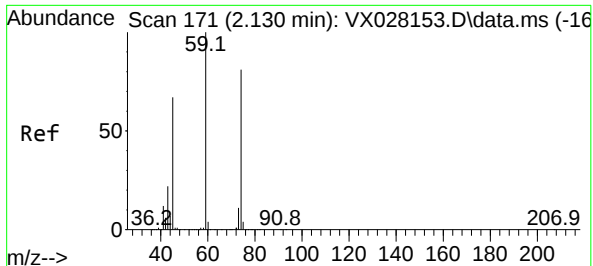
Tgt Ion: 94 Resp: 740
Ion Ratio Lower Upper
94 100
96 92.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 64 Resp: 664
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9

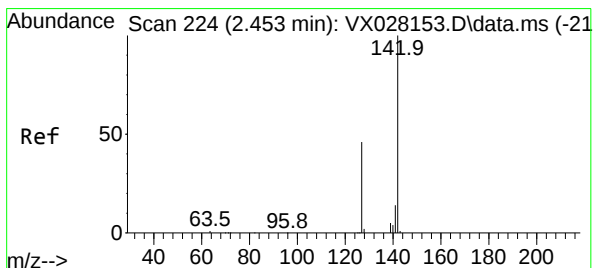
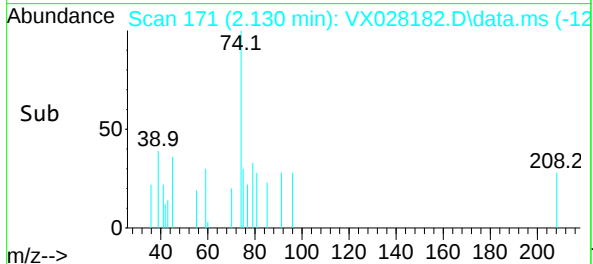
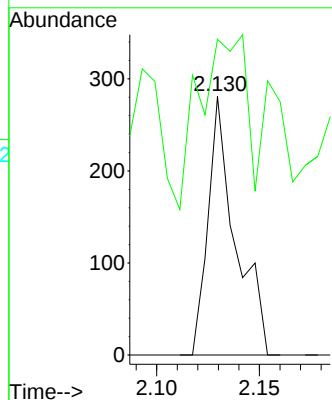
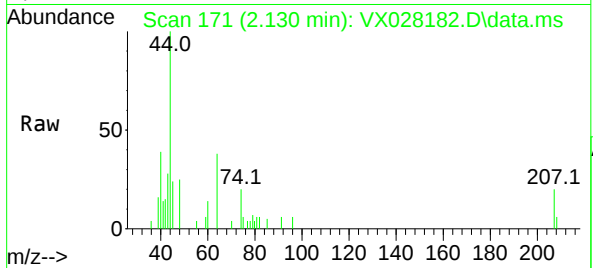




#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

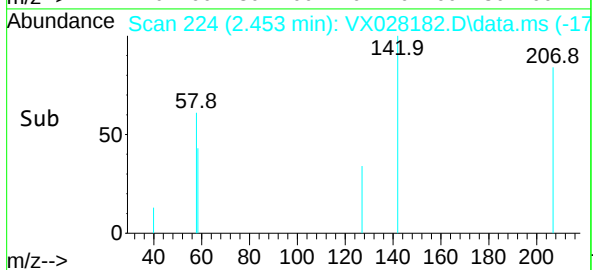
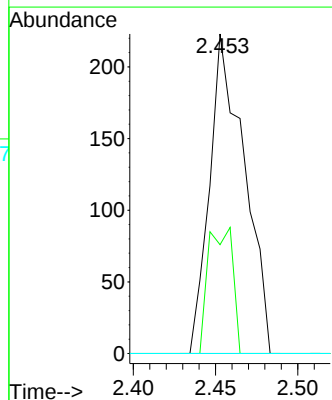
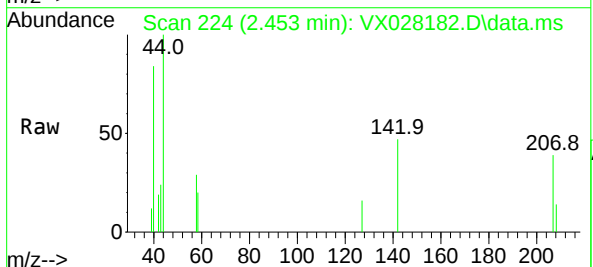
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

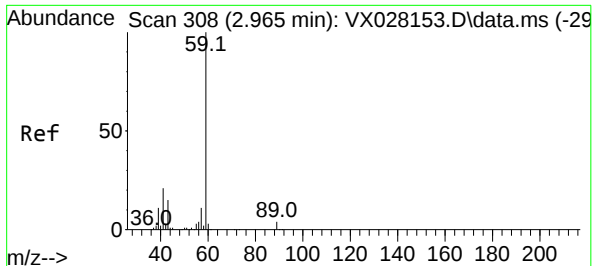
Tgt Ion: 74 Resp: 260
Ion Ratio Lower Upper
74 100
45 115.0 42.0 126.0



#10
Methyl Iodide
Concen: 5.301 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 142 Resp: 327
Ion Ratio Lower Upper
142 100
127 27.8 33.9 50.9#
141 0.0 11.4 17.2#

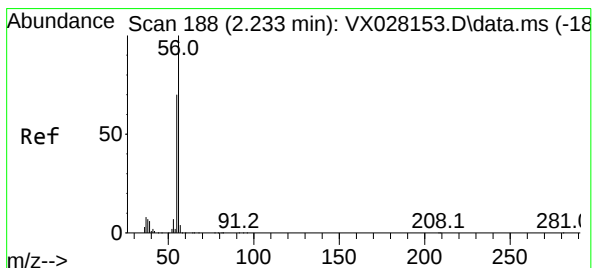
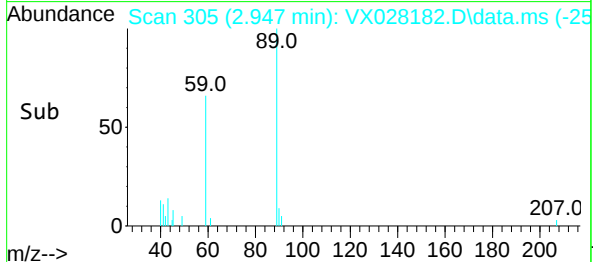
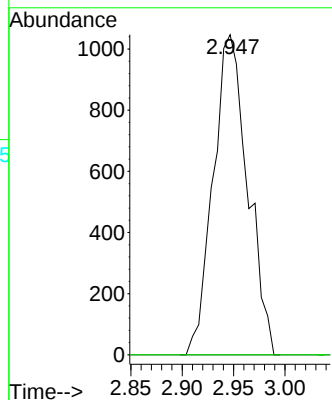
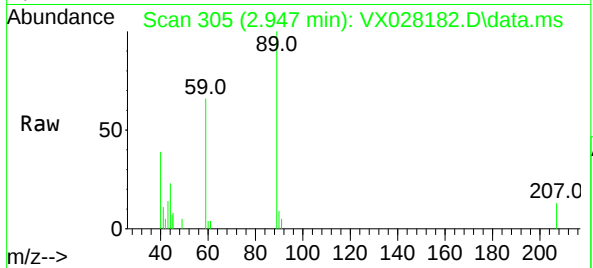




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

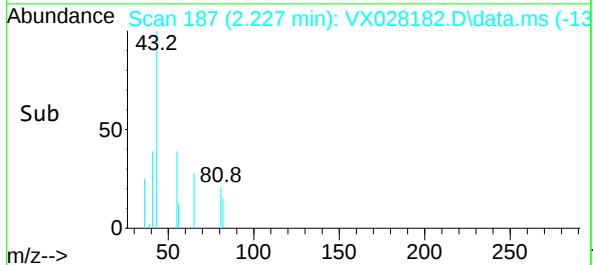
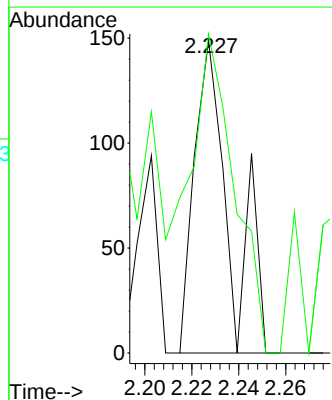
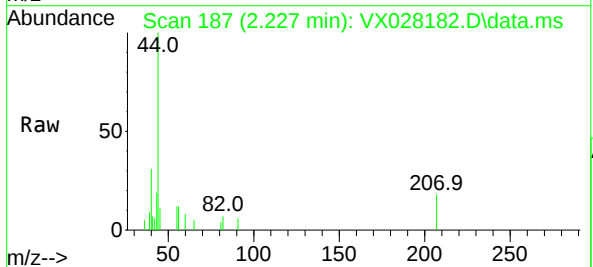
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

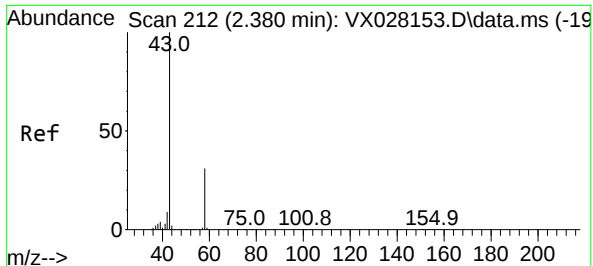
Tgt Ion: 59 Resp: 2442
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.246 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 130.1 55.0 82.6#

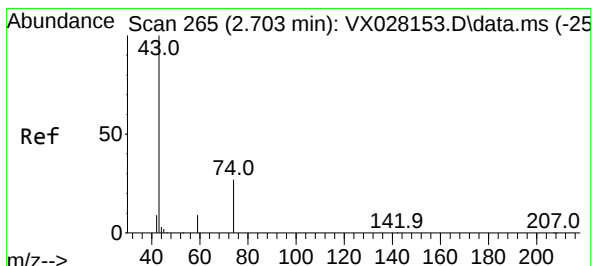
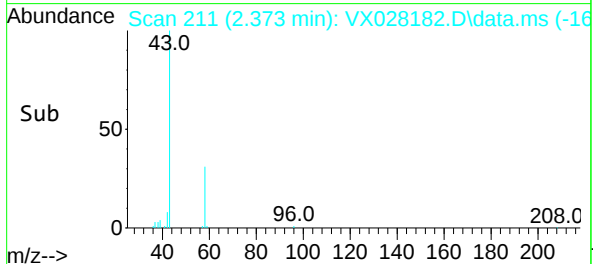
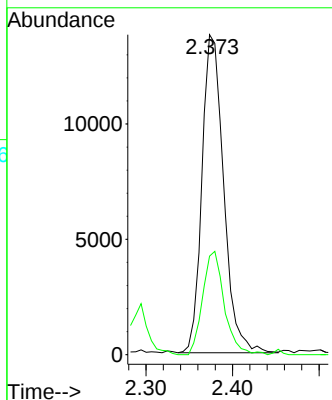
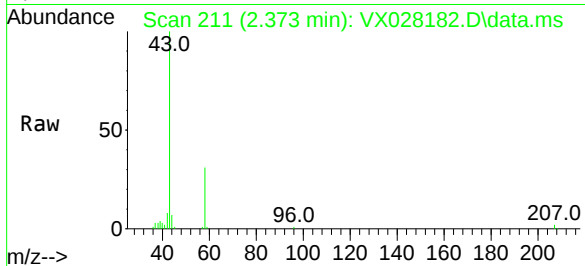




#16
Acetone
Concen: 13.909 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

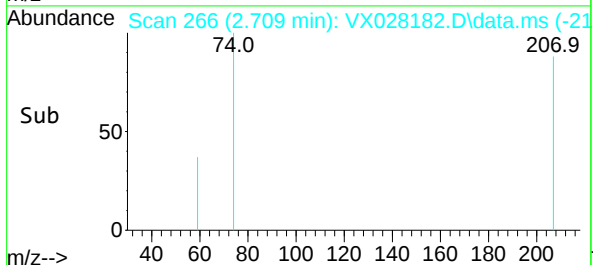
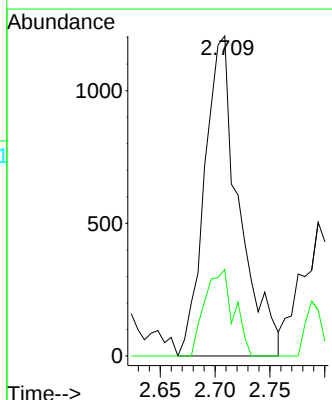
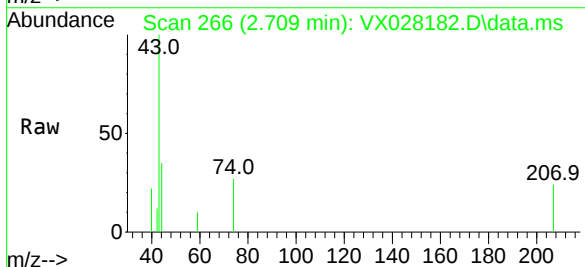
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

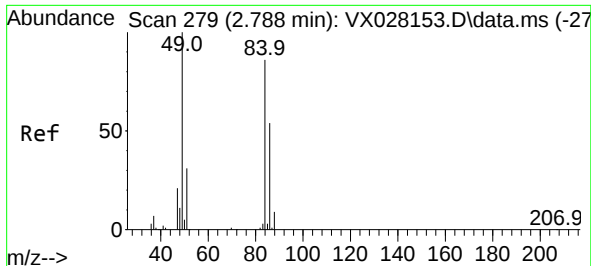
Tgt Ion: 43 Resp: 24034
Ion Ratio Lower Upper
43 100
58 31.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.575 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

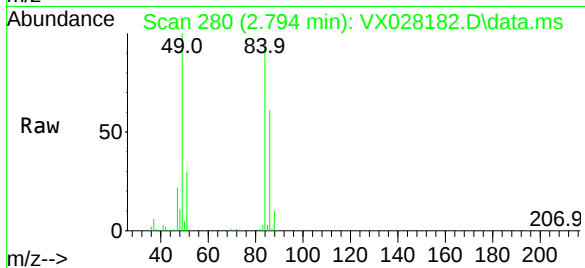
Tgt Ion: 43 Resp: 2642
Ion Ratio Lower Upper
43 100
74 22.6 22.8 34.2#





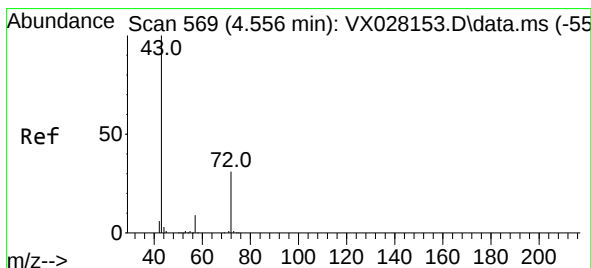
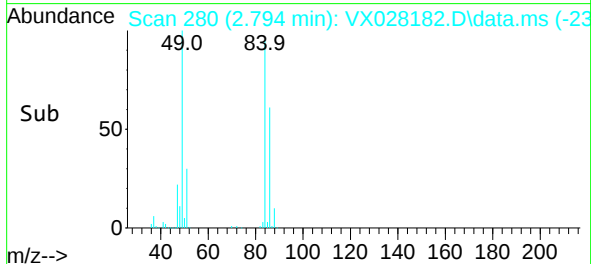
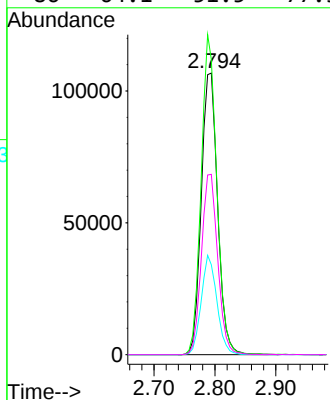
#20
Methylene Chloride
Concen: 51.972 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12



Tgt Ion: 84 Resp: 199278

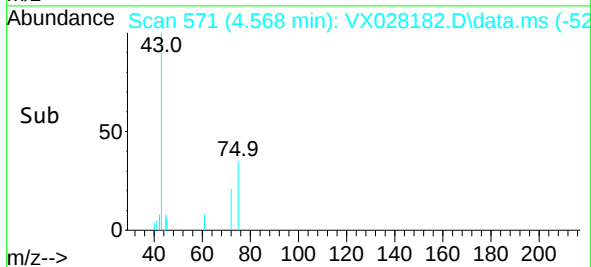
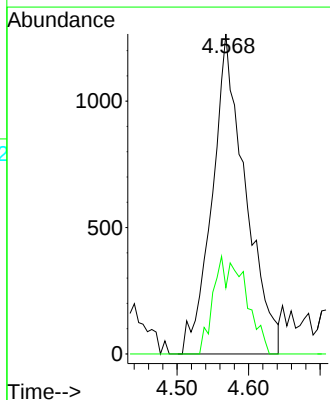
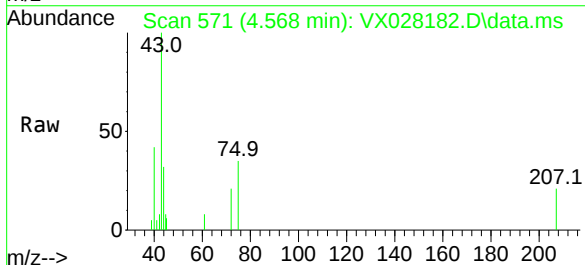
Ion	Ratio	Lower	Upper
84	100		
49	104.9	85.5	128.3
51	31.9	26.6	39.8
86	64.1	51.5	77.3

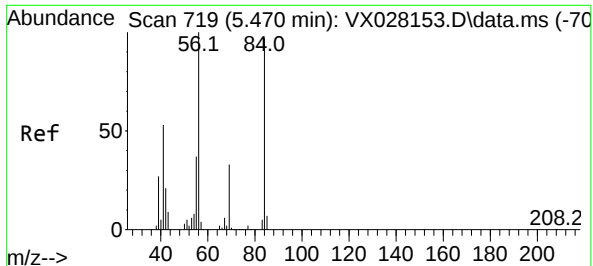


#25
2-Butanone
Concen: 1.340 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 43 Resp: 4101

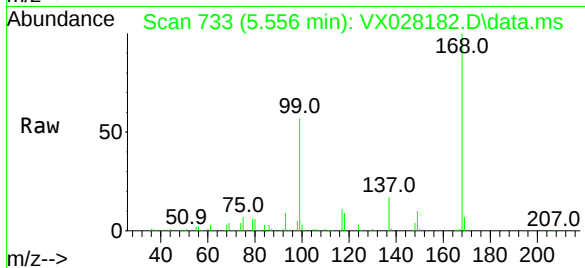
Ion	Ratio	Lower	Upper
43	100		
72	20.7	24.4	36.6



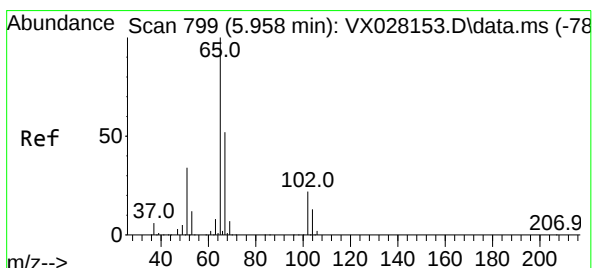
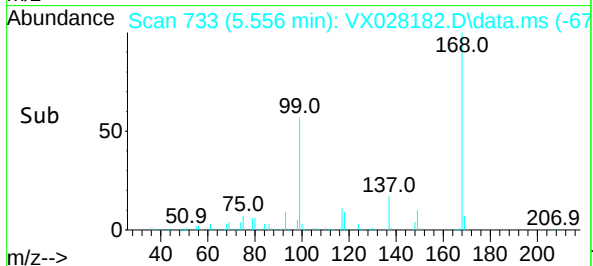
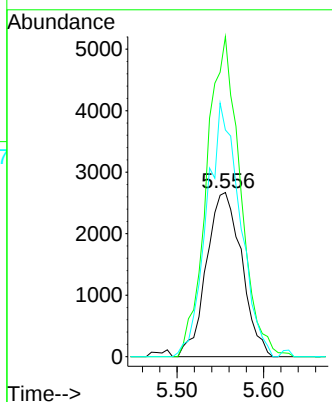


#31
Cyclohexane
Concen: 1.198 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

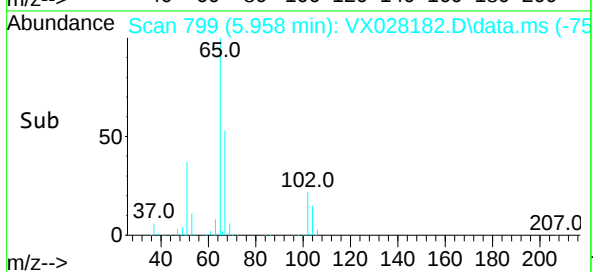
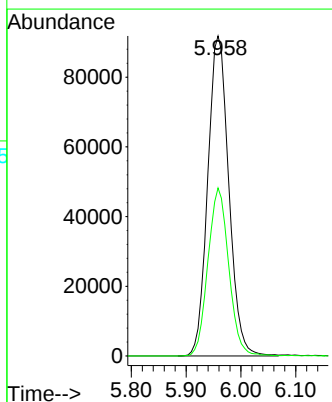
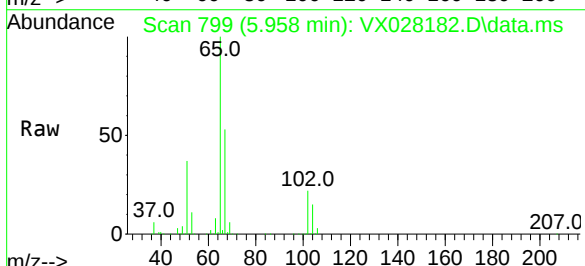


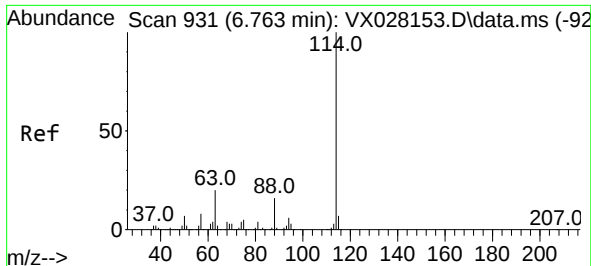
Tgt Ion: 56 Resp: 7541
Ion Ratio Lower Upper
56 100
69 194.9 26.7 40.1#
84 138.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.354 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

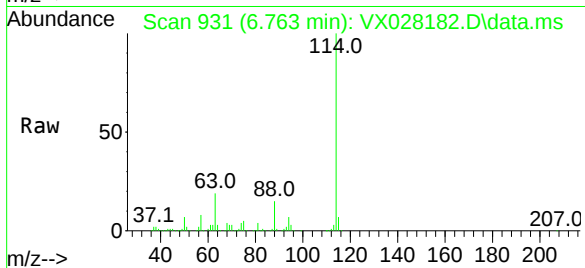
Tgt Ion: 65 Resp: 244712
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.4



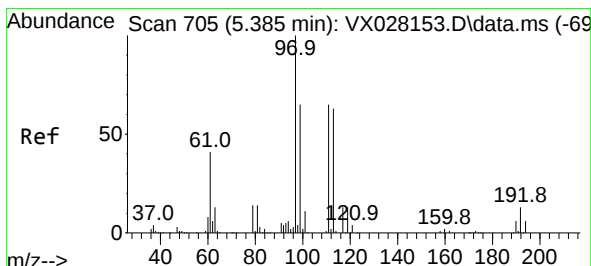
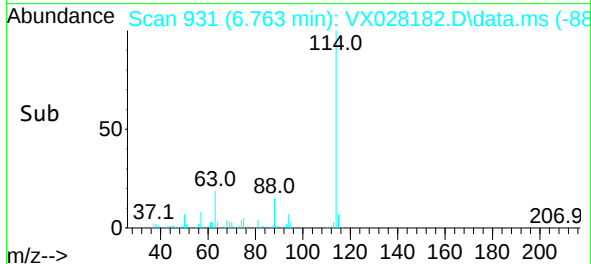
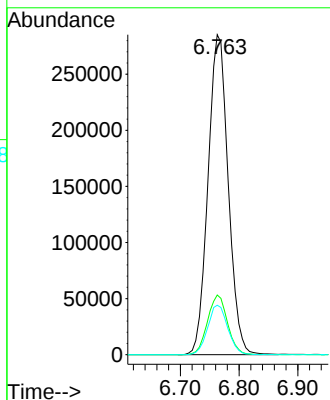


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

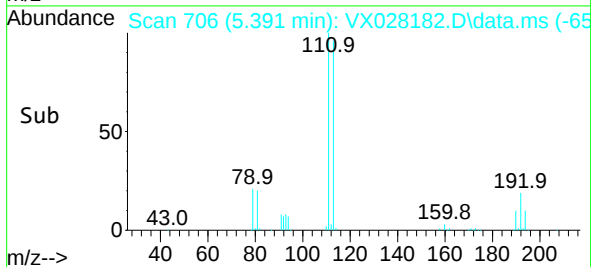
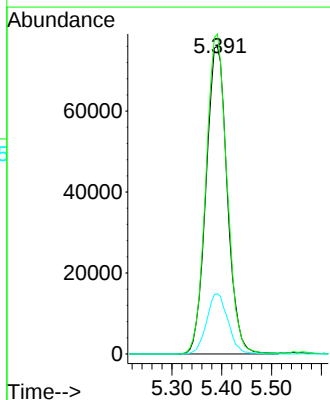
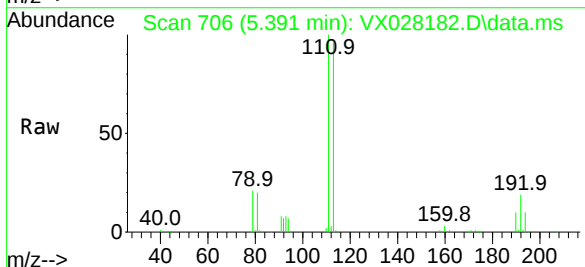


Tgt Ion:114 Resp: 681802
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.8
88 15.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.910 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion:113 Resp: 224295
Ion Ratio Lower Upper
113 100
111 103.3 82.8 124.2
192 19.7 16.9 25.3

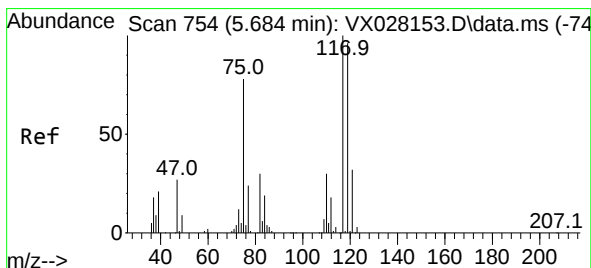
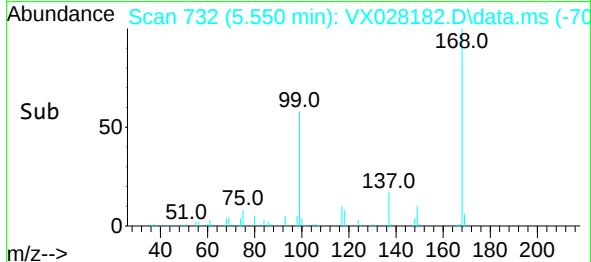
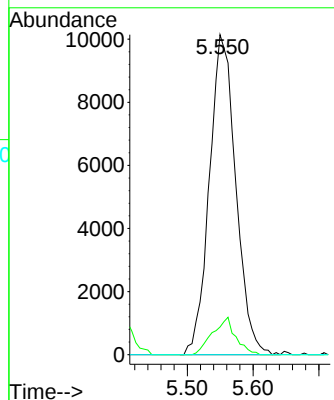
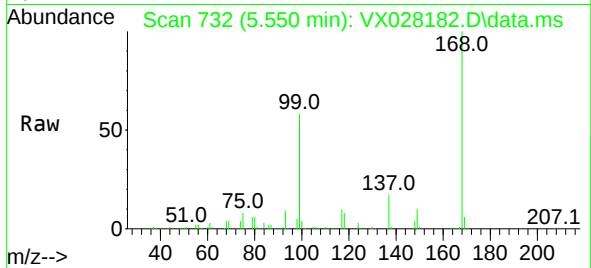




#36
1,1-Dichloropropene
Concen: 4.546 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

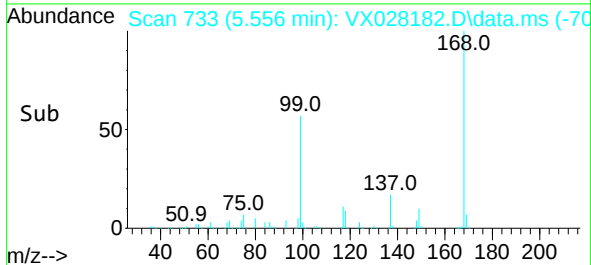
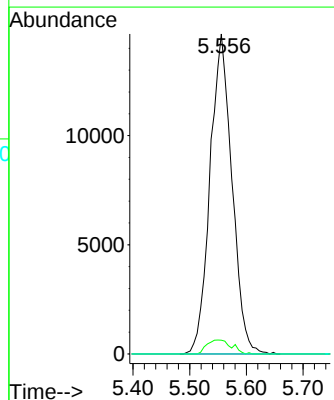
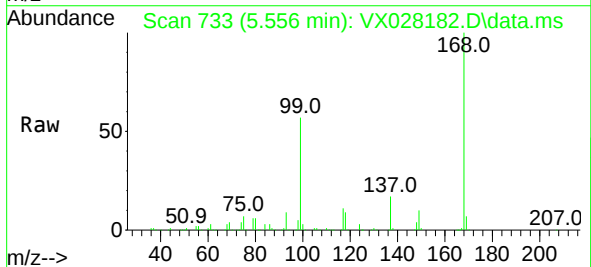
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

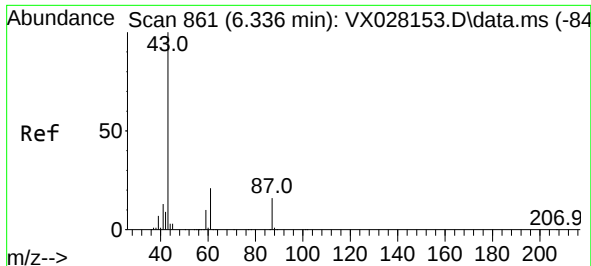
Tgt Ion: 75 Resp: 28355
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.587 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 117 Resp: 39334
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#

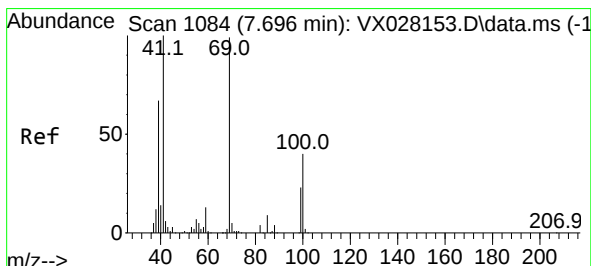
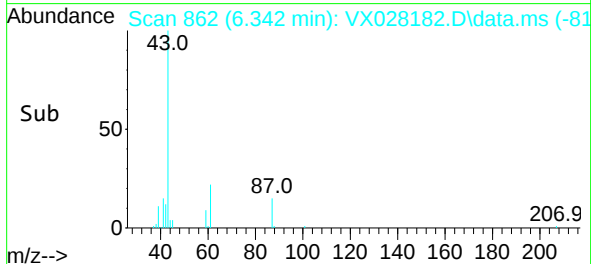
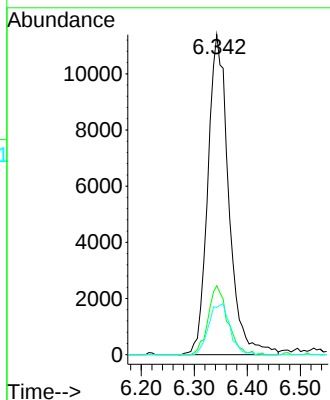
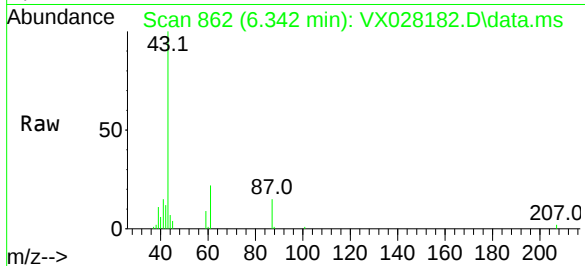




#43
Isopropyl Acetate
Concen: 3.026 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

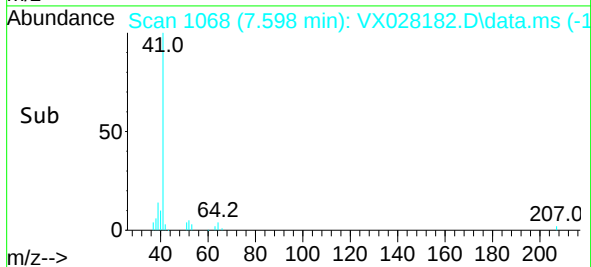
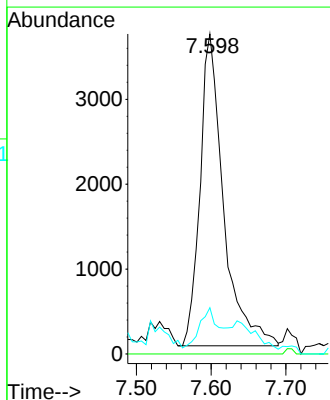
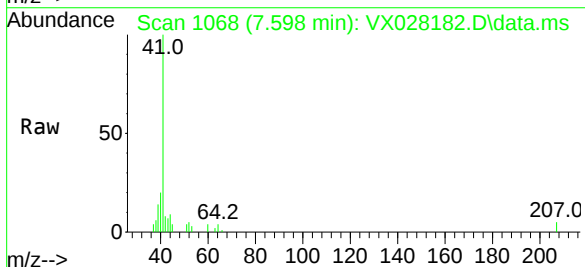
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

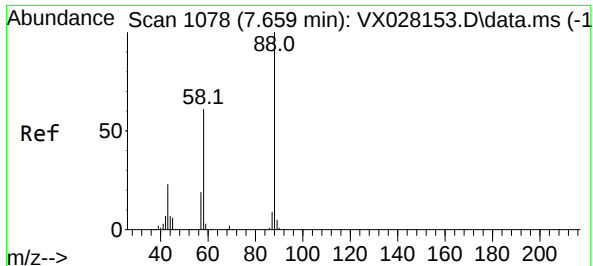
Tgt Ion: 43 Resp: 31169
Ion Ratio Lower Upper
43 100
61 20.1 18.5 27.7
87 16.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.697 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 41 Resp: 8026
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: 2.593 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028182.D

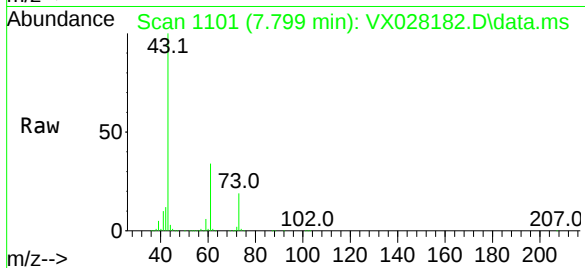
Acq: 20 Apr 2022 00:22

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#12



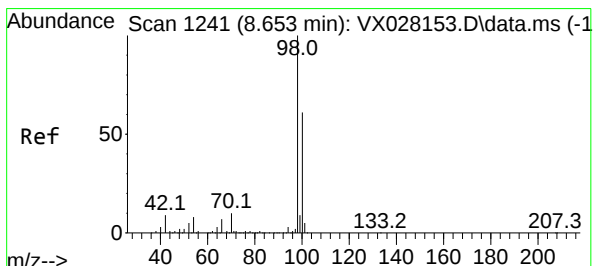
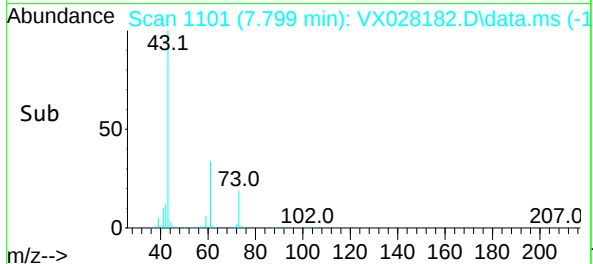
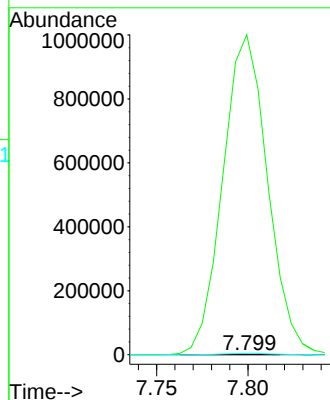
Tgt Ion: 88 Resp: 328

Ion Ratio Lower Upper

88 100

43 523009.8 21.9 32.9#

58 2295.7 53.7 80.5#



#50

Toluene-d8

Concen: 45.155 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028182.D

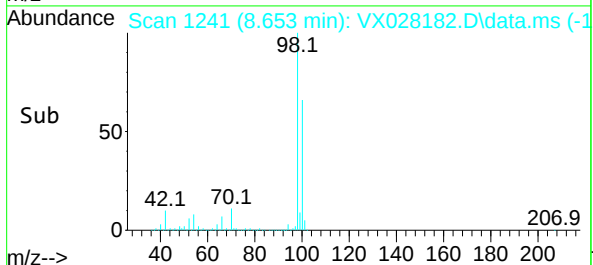
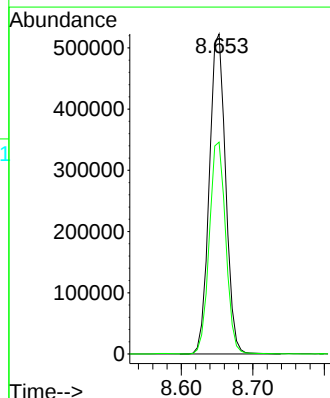
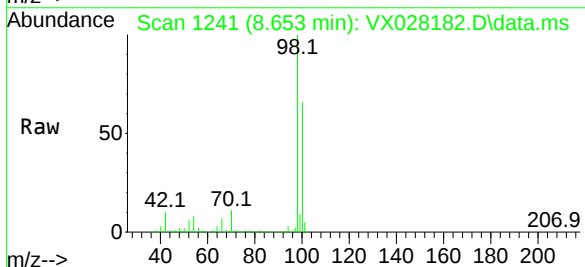
Acq: 20 Apr 2022 00:22

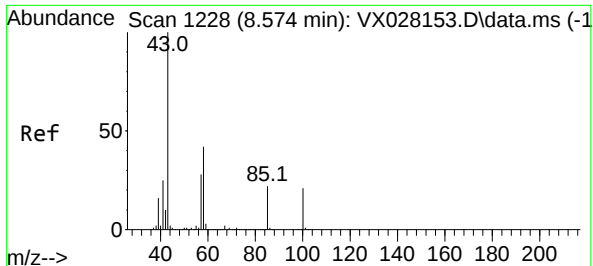
Tgt Ion: 98 Resp: 829246

Ion Ratio Lower Upper

98 100

100 66.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.100 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028182.D

Acq: 20 Apr 2022 00:22

Instrument :

MSVOA_X

ClientSampleId :

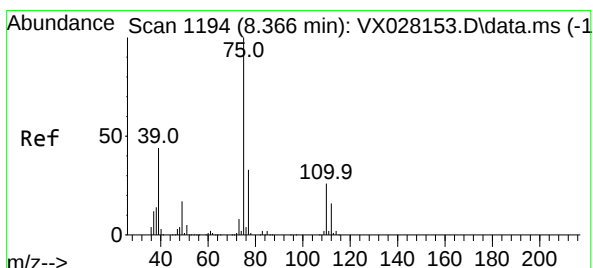
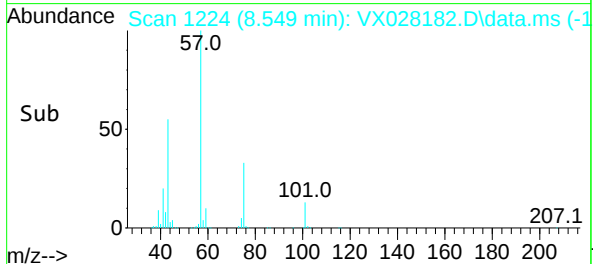
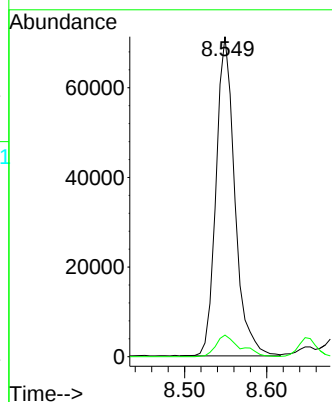
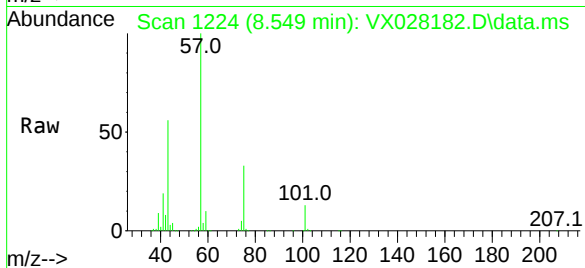
PB144164ZHE#12

Tgt Ion: 43 Resp: 113023

Ion Ratio Lower Upper

43 100

58 8.7 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.831 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028182.D

Acq: 20 Apr 2022 00:22

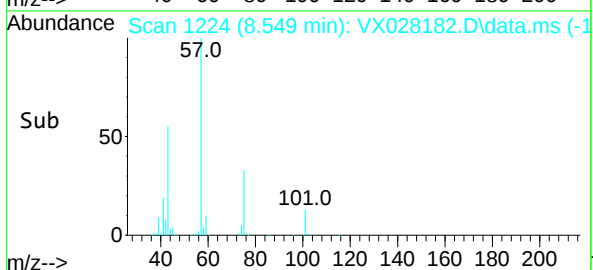
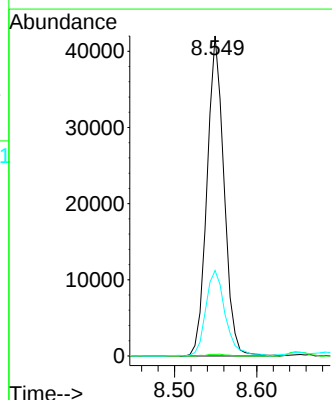
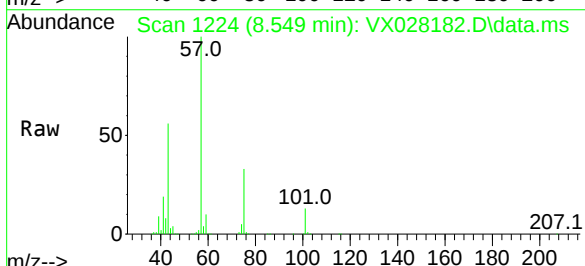
Tgt Ion: 75 Resp: 60215

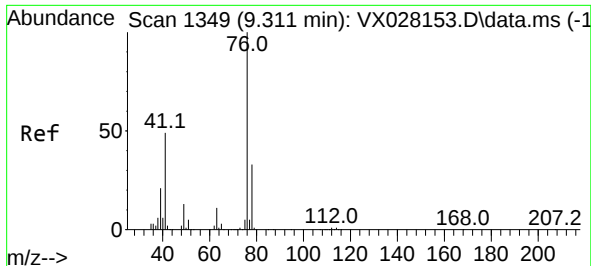
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 26.5 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.605 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028182.D

Acq: 20 Apr 2022 00:22

Instrument :

MSVOA_X

ClientSampleId :

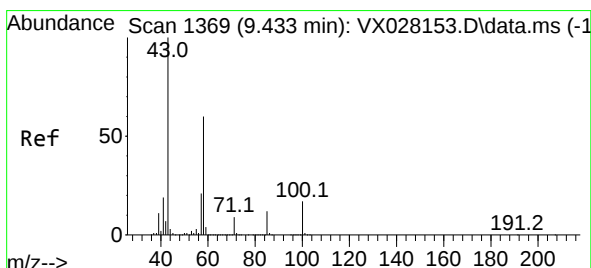
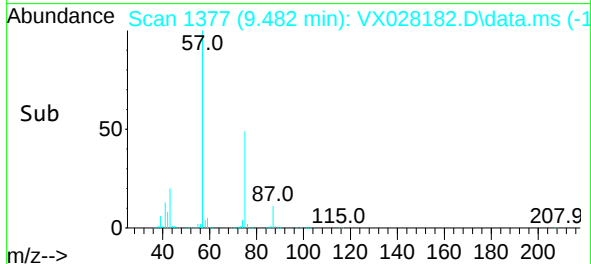
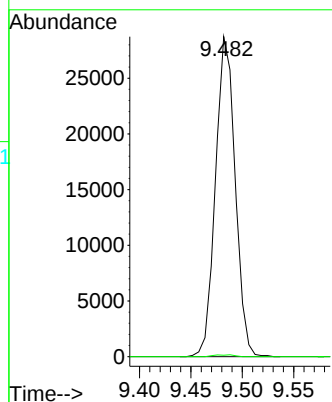
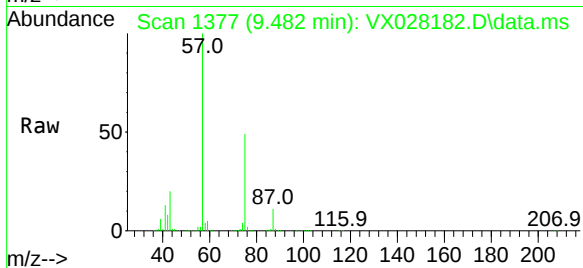
PB144164ZHE#12

Tgt Ion: 76 Resp: 38308

Ion Ratio Lower Upper

76 100

78 0.6 25.8 38.8#



#59

2-Hexanone

Concen: 84.312 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028182.D

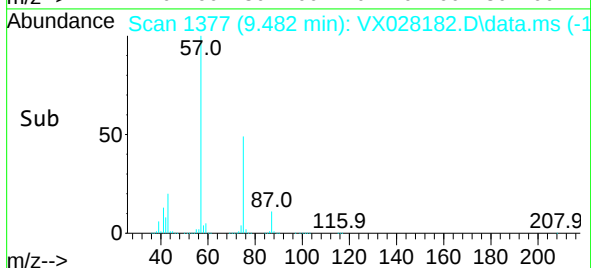
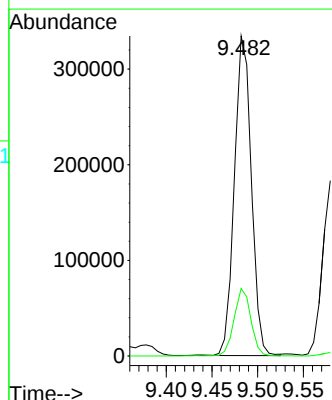
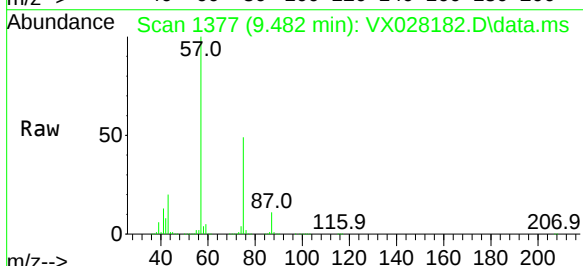
Acq: 20 Apr 2022 00:22

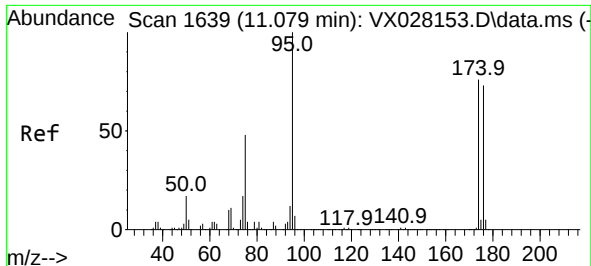
Tgt Ion: 43 Resp: 431657

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#

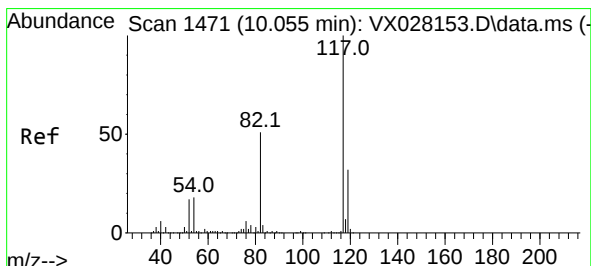
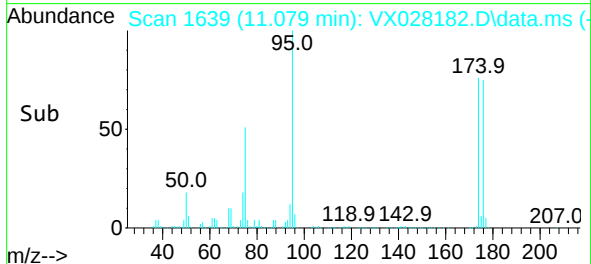
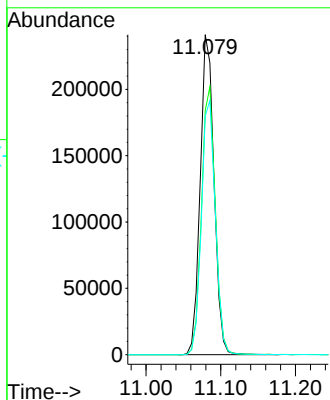
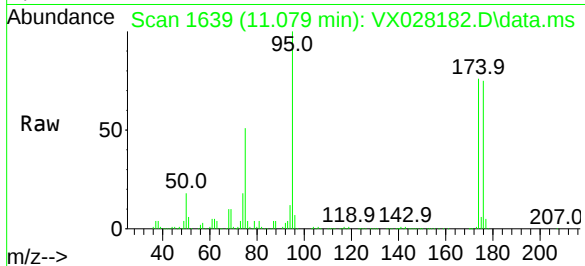




#62
4-Bromofluorobenzene
Concen: 43.896 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

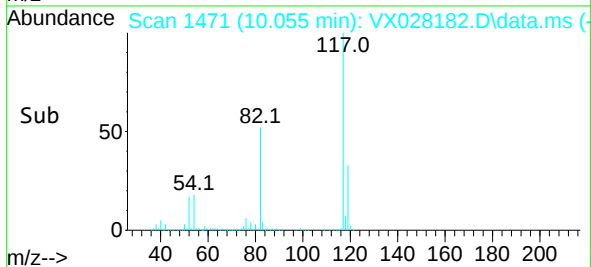
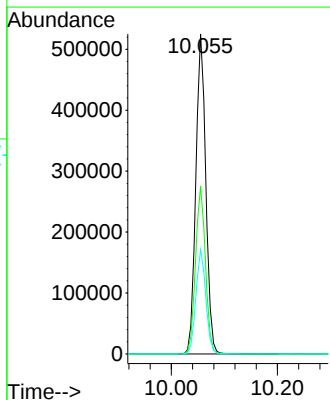
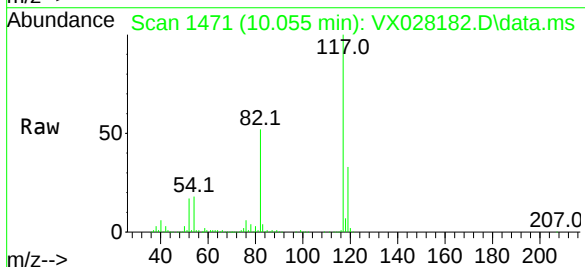
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#12

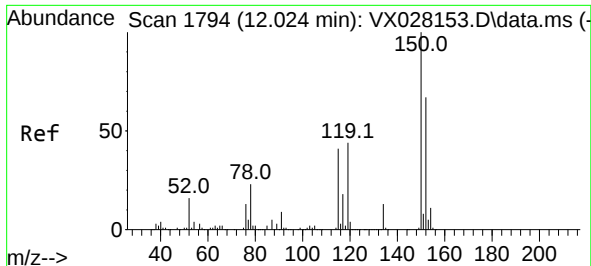
Tgt Ion: 95 Resp: 308227
Ion Ratio Lower Upper
95 100
174 84.1 0.0 163.0
176 80.8 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028182.D
Acq: 20 Apr 2022 00:22

Tgt Ion: 117 Resp: 686313
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.7 24.8 37.2

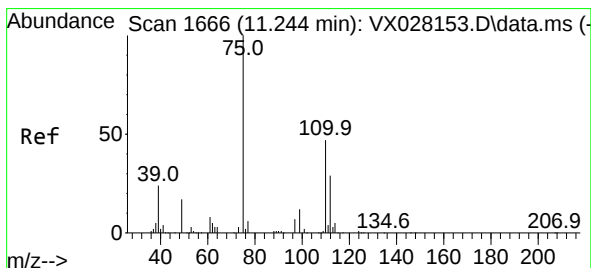
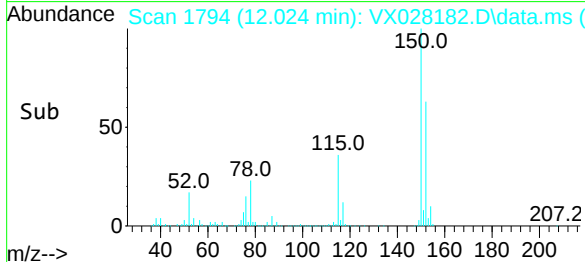
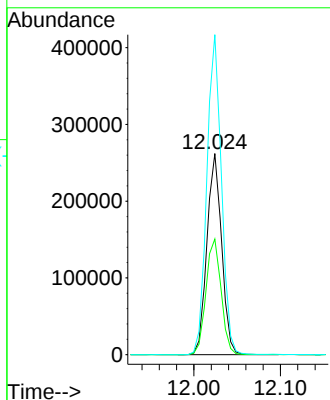
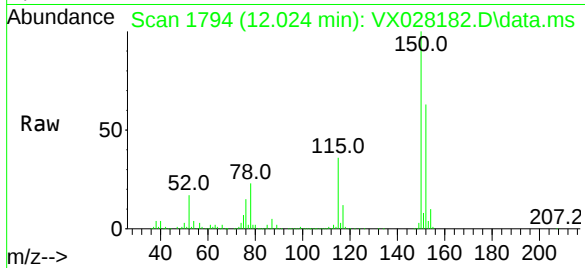




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028182.D
 Acq: 20 Apr 2022 00:22

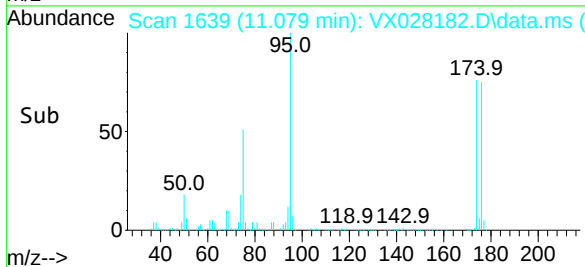
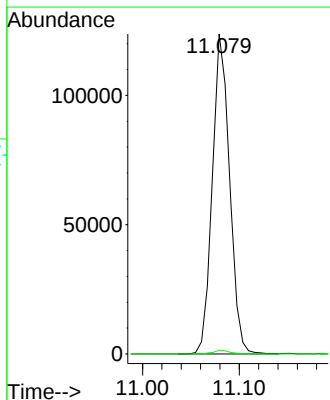
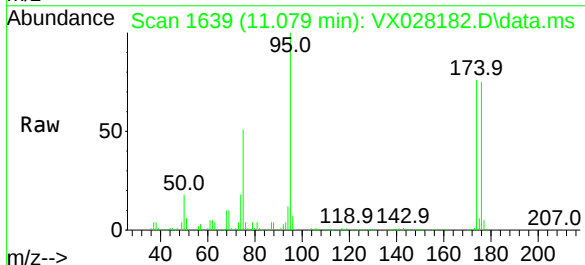
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#12

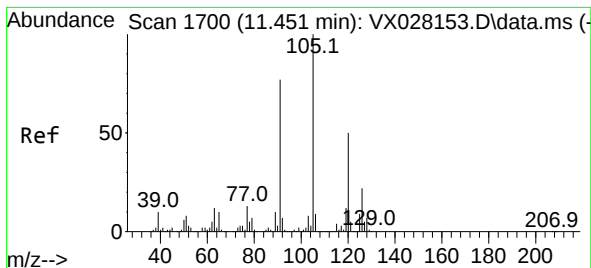
Tgt Ion:152 Resp: 309901
 Ion Ratio Lower Upper
 152 100
 115 59.0 37.5 112.7
 150 157.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.091 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028182.D
 Acq: 20 Apr 2022 00:22

Tgt Ion: 75 Resp: 153031
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.340 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028182.D

Acq: 20 Apr 2022 00:22

Instrument :

MSVOA_X

ClientSampleId :

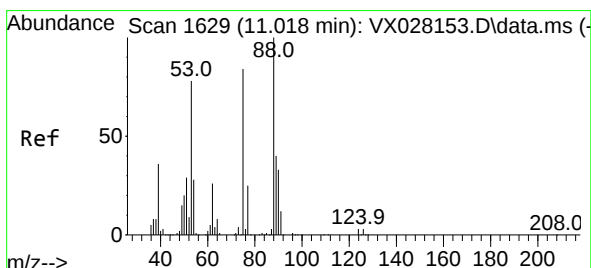
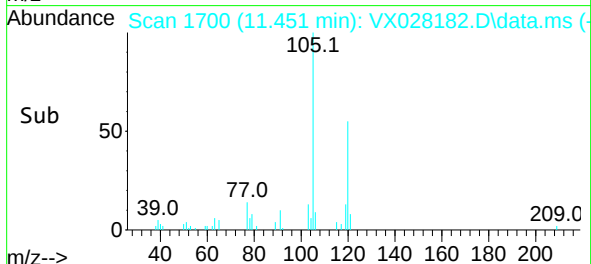
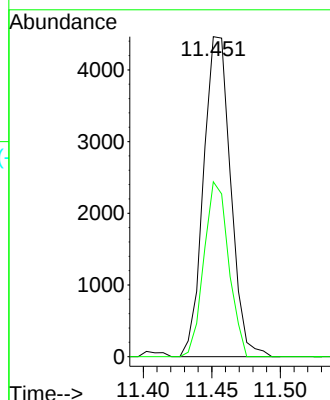
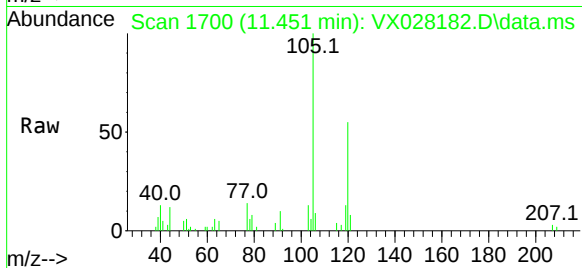
PB144164ZHE#12

Tgt Ion:105 Resp: 6153

Ion Ratio Lower Upper

105 100

120 49.6 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 74.564 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028182.D

Acq: 20 Apr 2022 00:22

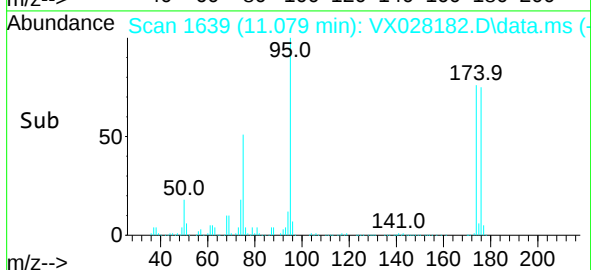
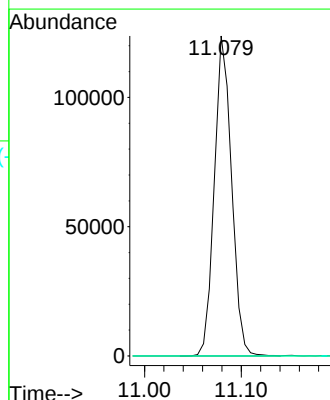
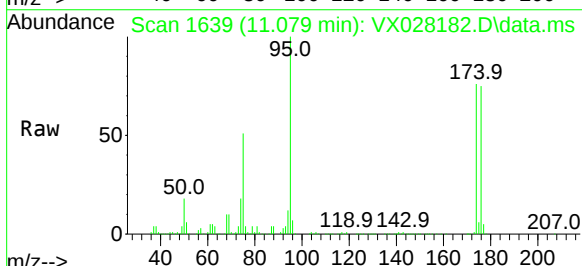
Tgt Ion: 75 Resp: 153031

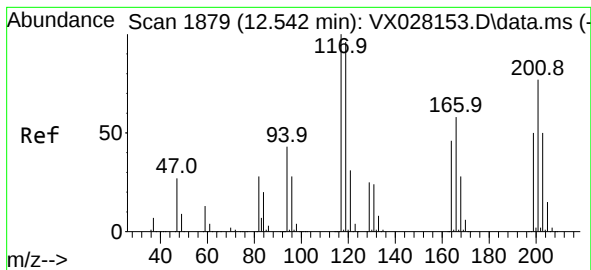
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.820 ug/l
 RT: 12.707 min Scan# 1906
 Delta R.T. 0.165 min
 Lab File: VX028182.D
 Acq: 20 Apr 2022 00:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#12

Tgt Ion:117 Resp: 22
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

