

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028457.D
 Acq On : 30 Apr 2022 04:59
 Operator : JC/MD
 Sample : PB144452ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#12

Quant Time: Apr 30 09:23:57 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)

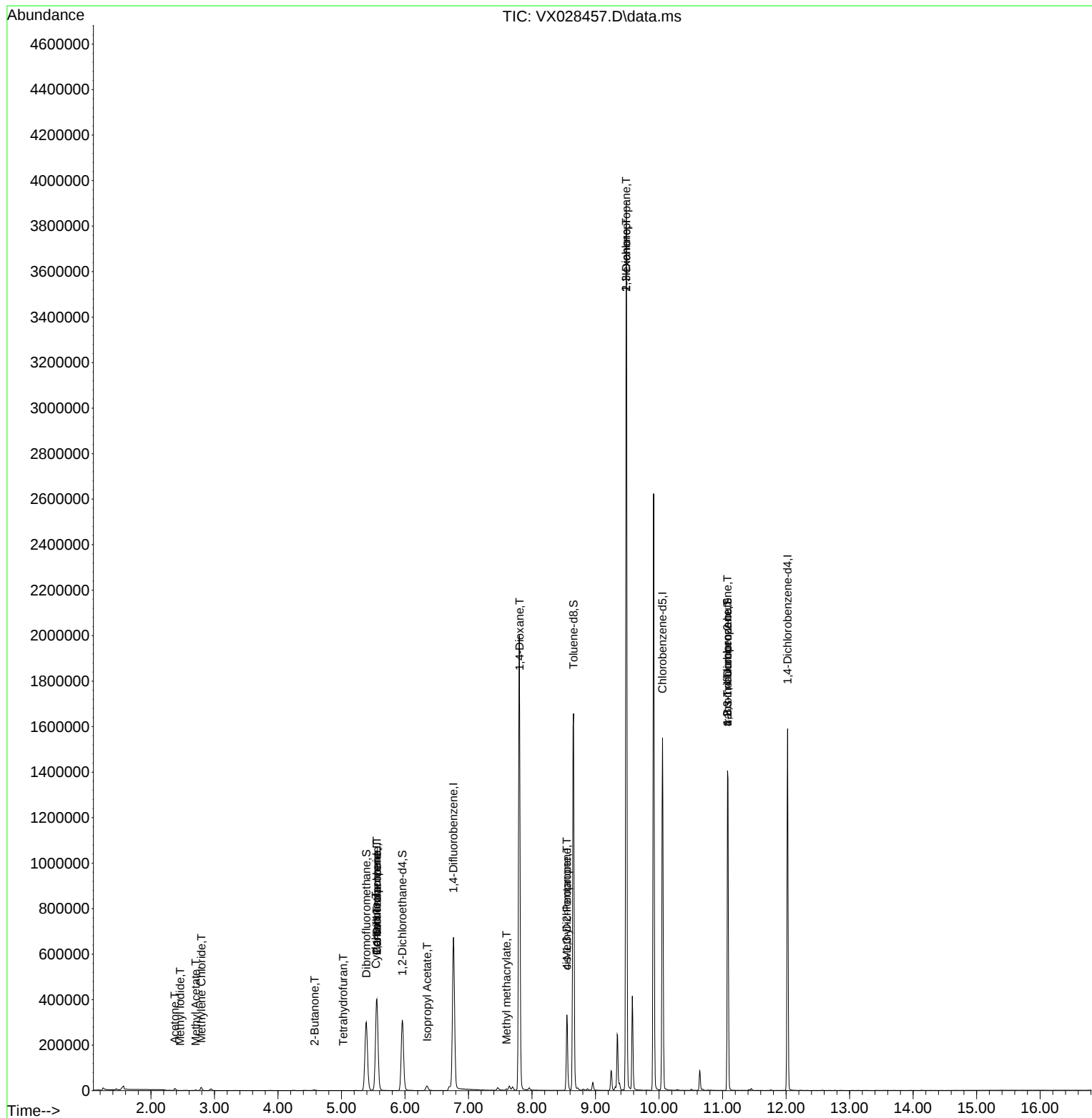
Internal Standards						
1) Pentafluorobenzene	5.556	168	393425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	692261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	718905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	325984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	292677	57.054	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.100%			
35) Dibromofluoromethane	5.391	113	261217	53.806	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.620%			
50) Toluene-d8	8.653	98	1013789	54.370	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.740%			
62) 4-Bromofluorobenzene	11.079	95	372338	52.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 104.440%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	367	Below Cal	#	77
5) Bromomethane	1.617	94	832	Below Cal		95
6) Chloroethane	1.697	64	625	Below Cal	#	80
8) Diethyl Ether	2.123	74	73	Below Cal	#	1
10) Methyl Iodide	2.459	142	225	5.281	ug/l #	41
11) Tert butyl alcohol	2.940	59	3931	Below Cal	#	76
16) Acetone	2.373	43	9754	4.857	ug/l	99
18) Methyl Acetate	2.703	43	3013	0.661	ug/l	97
20) Methylene Chloride	2.794	84	6426	1.688	ug/l	98
25) 2-Butanone	4.574	43	3692	1.215	ug/l	92
29) Tetrahydrofuran	5.025	42	613	0.309	ug/l #	25
31) Cyclohexane	5.544	56	7848	1.256	ug/l #	37
36) 1,1-Dichloropropene	5.556	75	29815	4.708	ug/l #	49
38) Carbon Tetrachloride	5.556	117	39452	5.519	ug/l #	15
43) Isopropyl Acetate	6.348	43	27540	2.633	ug/l	97
48) Methyl methacrylate	7.598	41	8145	1.696	ug/l #	7
49) 1,4-Dioxane	7.805	88	380	2.959	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	106385	15.853	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56427	7.228	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	37793	4.475	ug/l #	43
59) 2-Hexanone	9.482	43	421731	81.128	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	183934	28.670	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	183934	85.199	ug/l #	15

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

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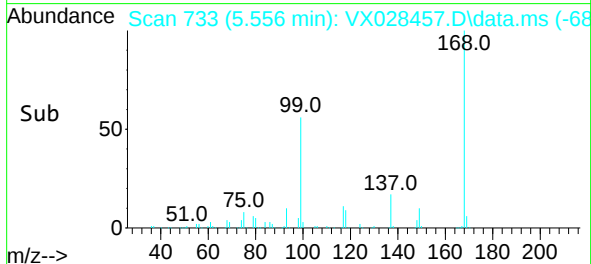
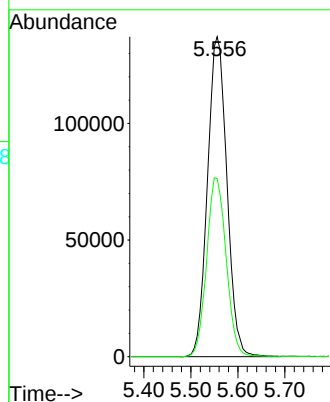
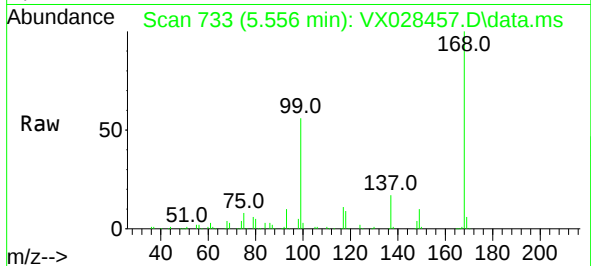




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

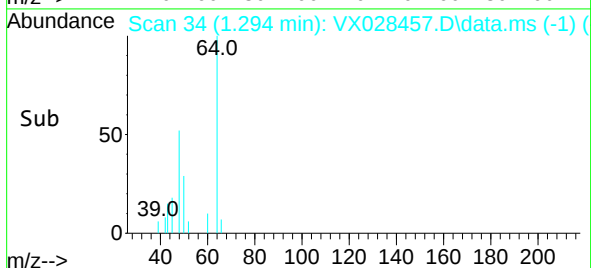
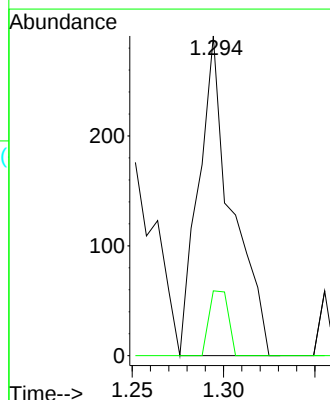
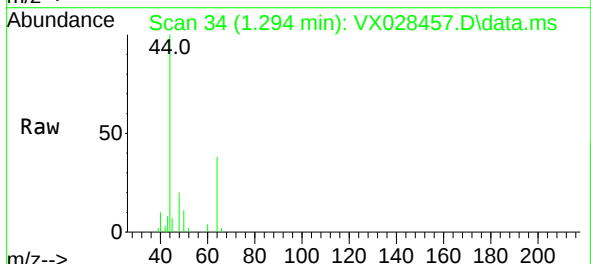
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

Tgt Ion:168 Resp: 393425
Ion Ratio Lower Upper
168 100
99 55.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 20.3 26.4 39.6#

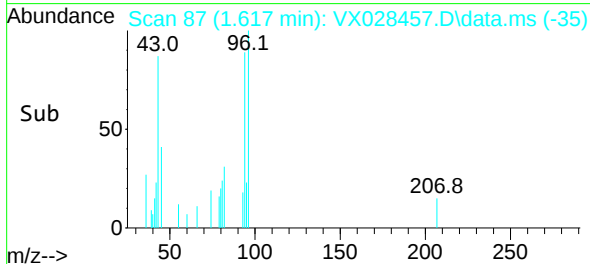
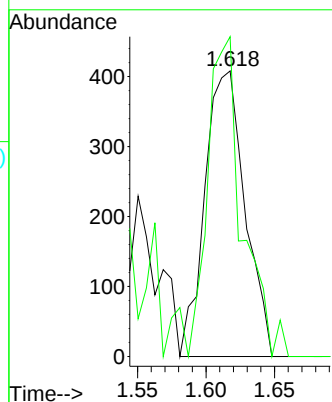
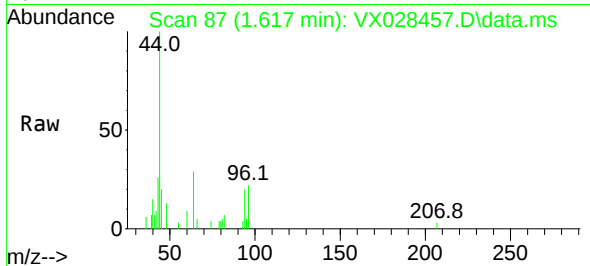




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

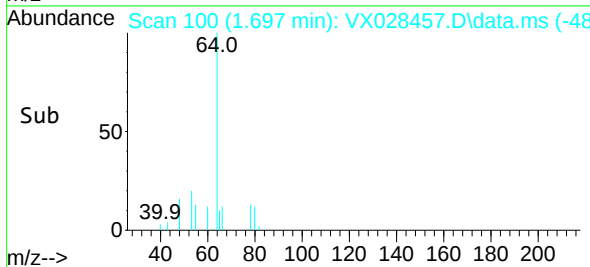
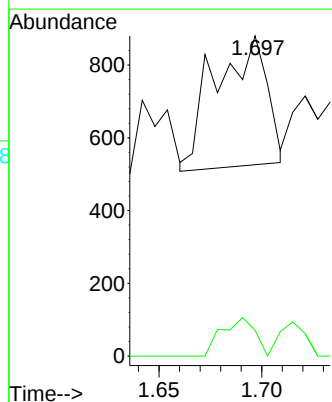
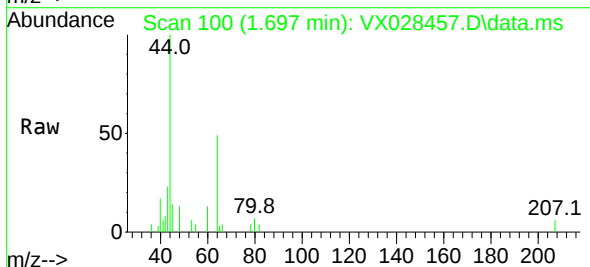
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

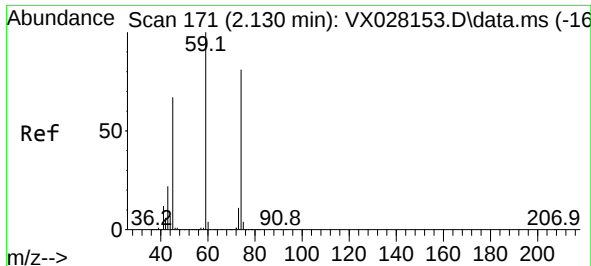
Tgt Ion: 94 Resp: 832
Ion Ratio Lower Upper
94 100
96 99.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 64 Resp: 625
Ion Ratio Lower Upper
64 100
66 20.4 25.3 37.9#

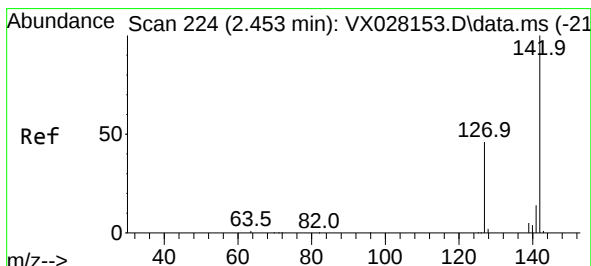
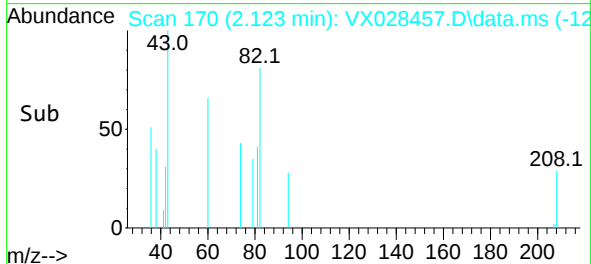
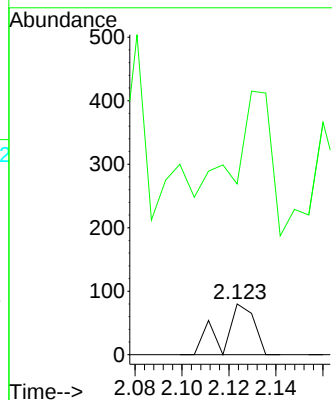
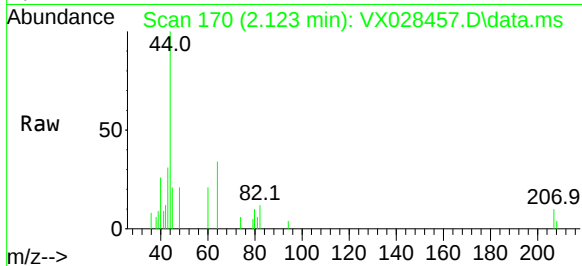




#8
Diethyl Ether
Concen: Below Cal
RT: 2.123 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

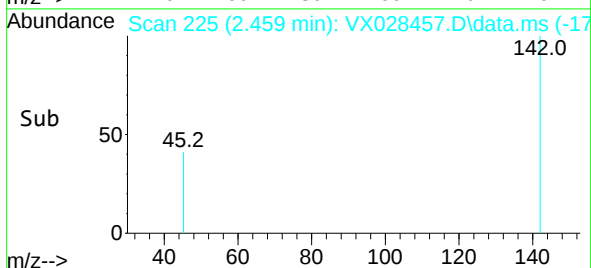
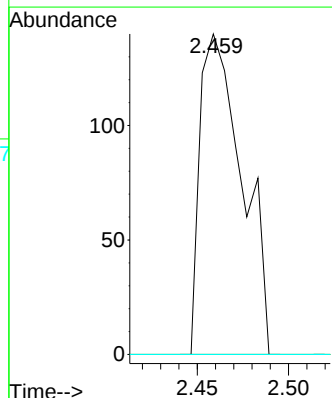
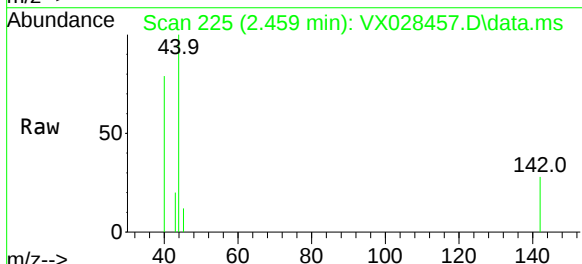
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

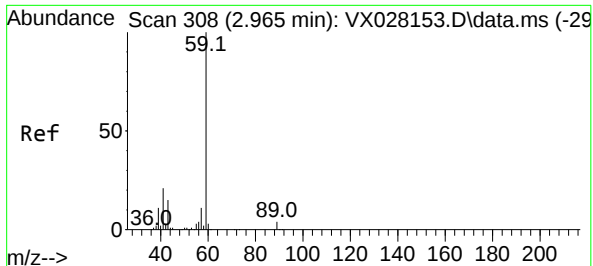
Tgt Ion: 74 Resp: 73
Ion Ratio Lower Upper
74 100
45 182.2 42.0 126.0#



#10
Methyl Iodide
Concen: 5.281 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 142 Resp: 225
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#

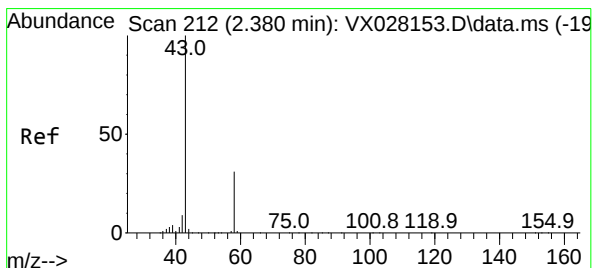
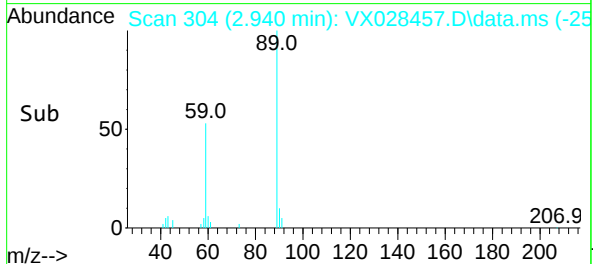
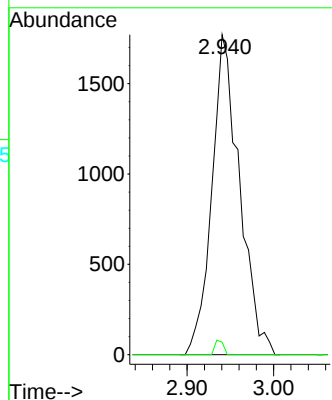
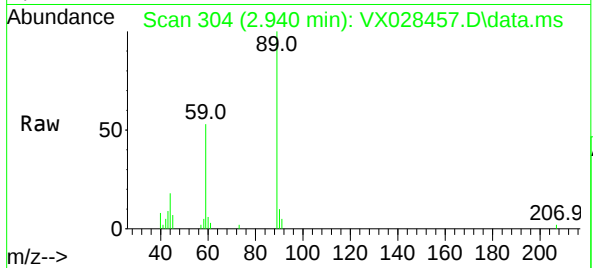




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

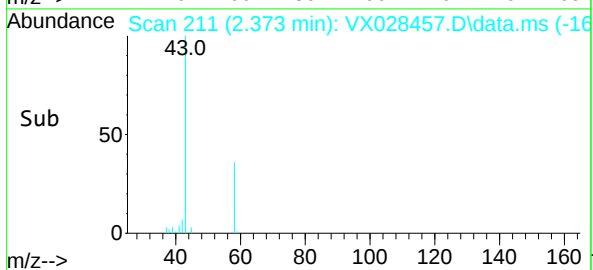
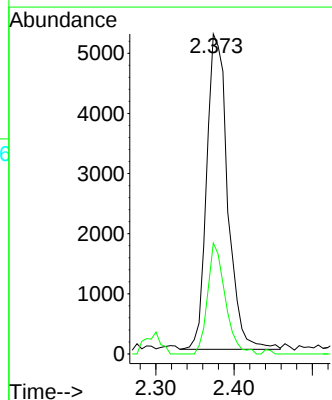
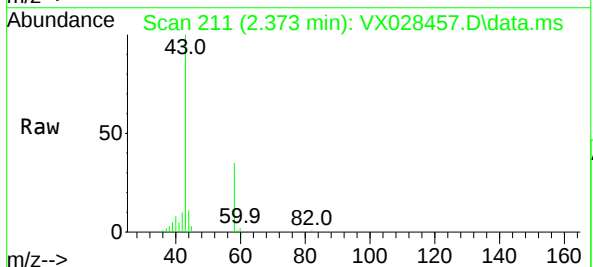
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

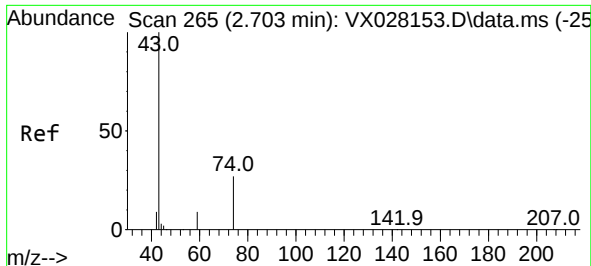
Tgt Ion: 59 Resp: 3931
Ion Ratio Lower Upper
59 100
57 1.4 8.3 12.5#



#16
Acetone
Concen: 4.857 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 43 Resp: 9754
Ion Ratio Lower Upper
43 100
58 35.2 28.8 43.2

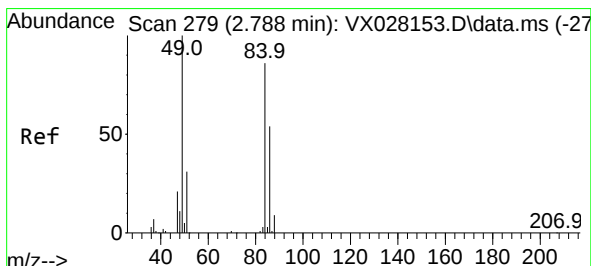
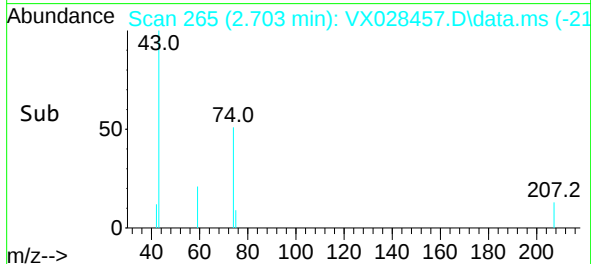
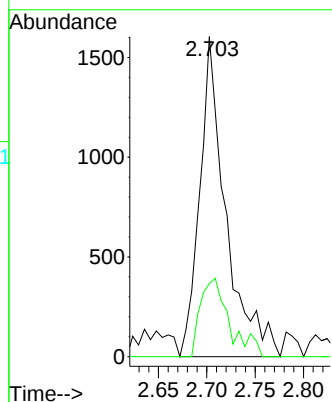
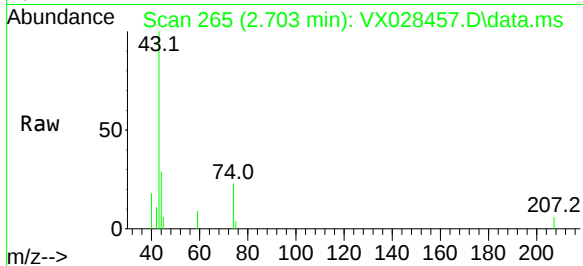




#18
Methyl Acetate
Concen: 0.661 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

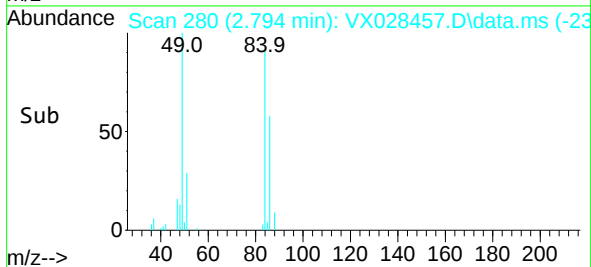
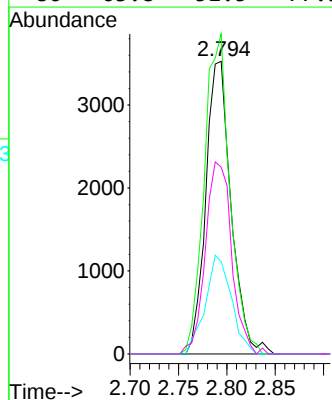
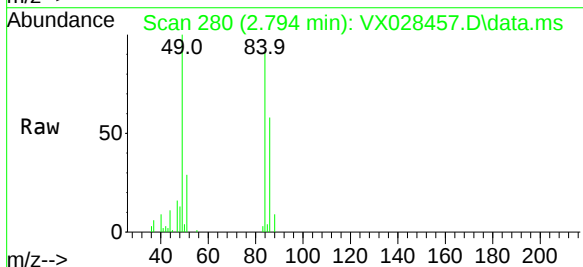
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

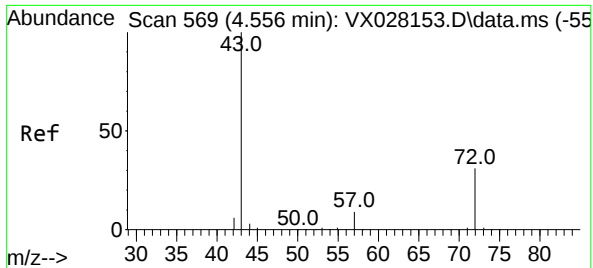
Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
74 27.1 22.8 34.2



#20
Methylene Chloride
Concen: 1.688 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 84 Resp: 6426
Ion Ratio Lower Upper
84 100
49 109.3 85.5 128.3
51 31.5 26.6 39.8
86 63.8 51.5 77.3

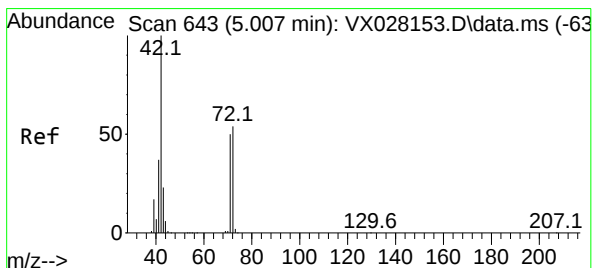
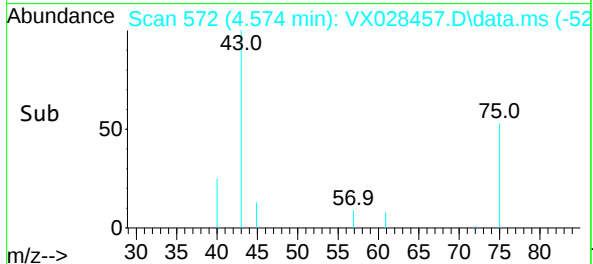
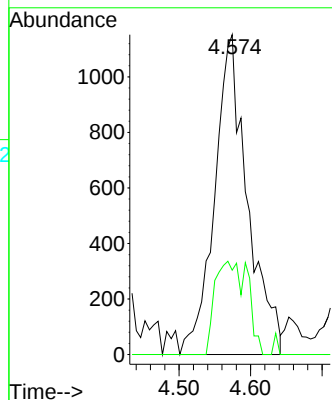
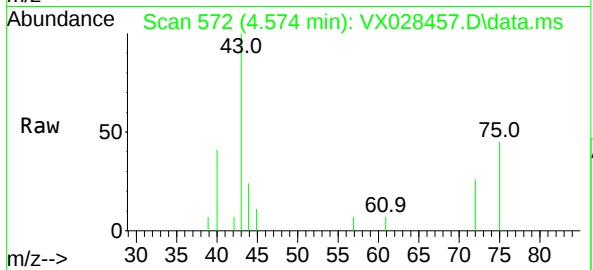




#25
2-Butanone
Concen: 1.215 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

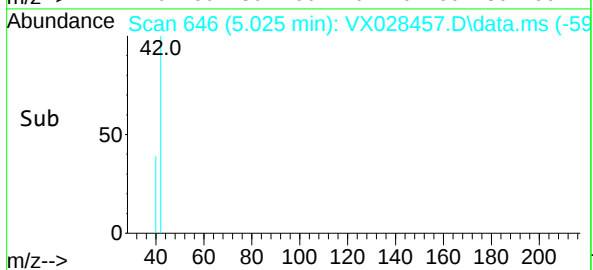
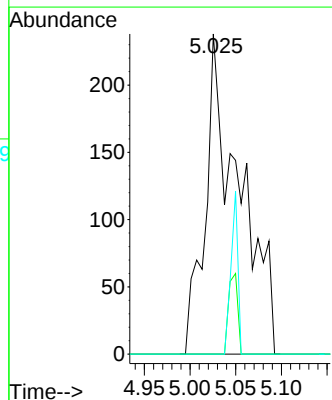
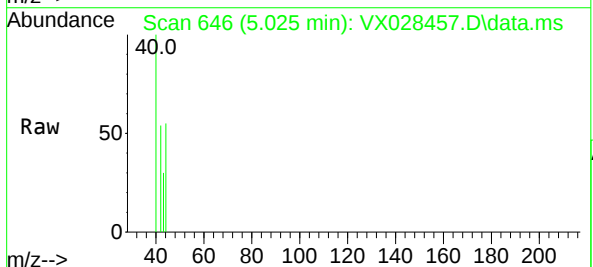
Instrument :
MSVOA_X
ClientSampleId :
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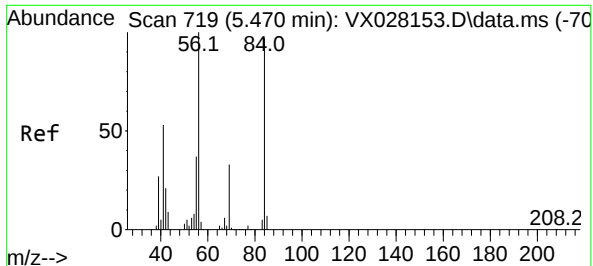
Tgt Ion: 43 Resp: 3692
Ion Ratio Lower Upper
43 100
72 26.4 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.309 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 42 Resp: 613
Ion Ratio Lower Upper
42 100
72 0.0 44.1 66.1#
71 0.0 40.5 60.7#

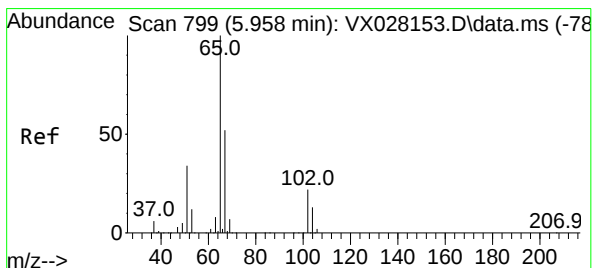
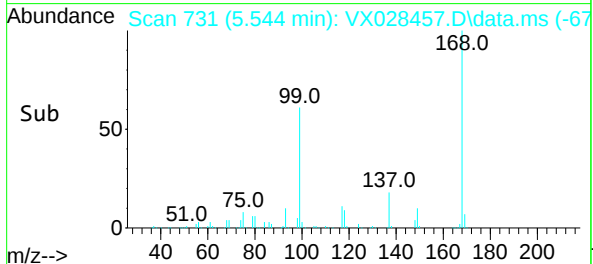
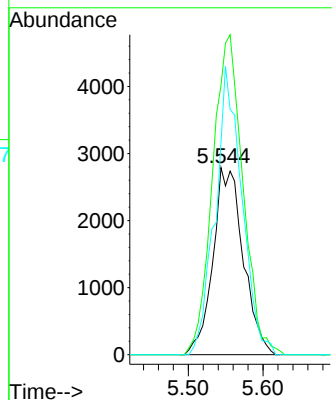
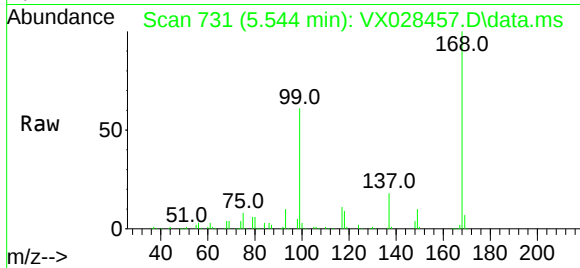




#31
Cyclohexane
Concen: 1.256 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

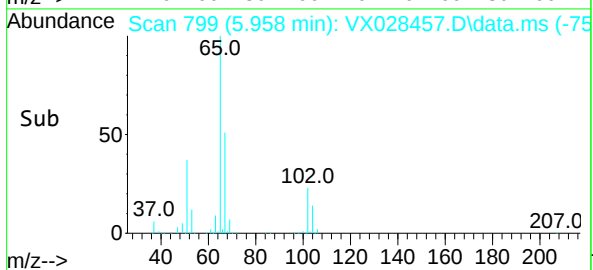
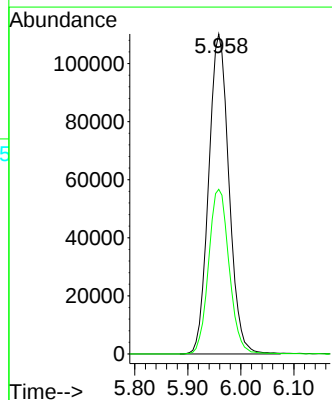
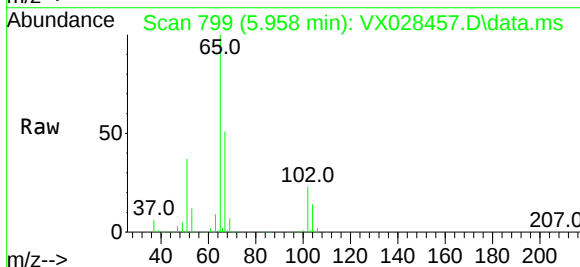
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

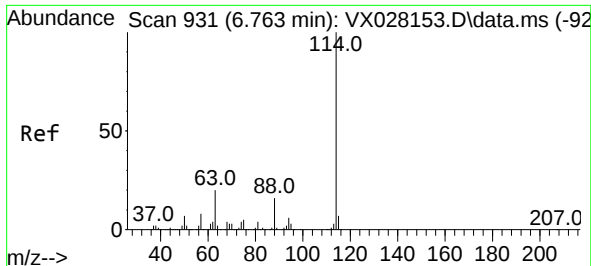
Tgt Ion: 56 Resp: 7848
Ion Ratio Lower Upper
56 100
69 144.0 26.7 40.1#
84 113.5 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 57.054 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 65 Resp: 292677
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.4

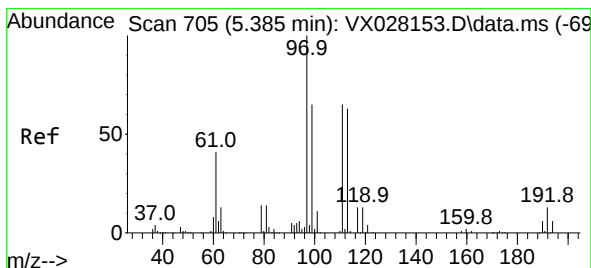
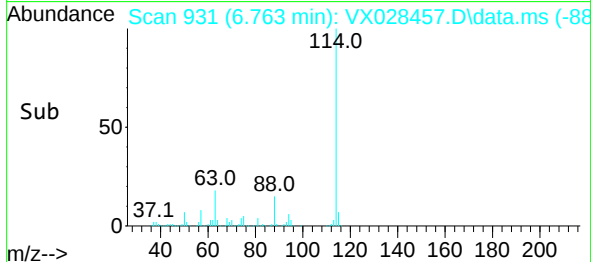
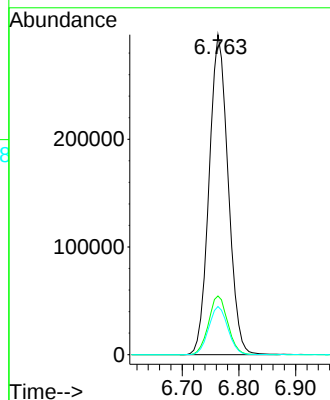
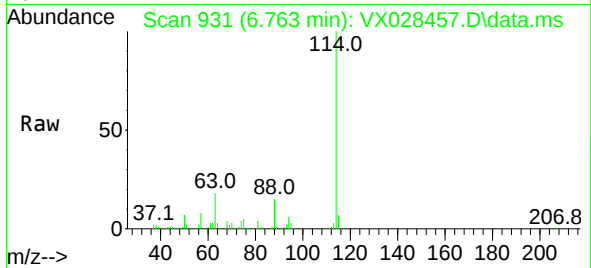




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

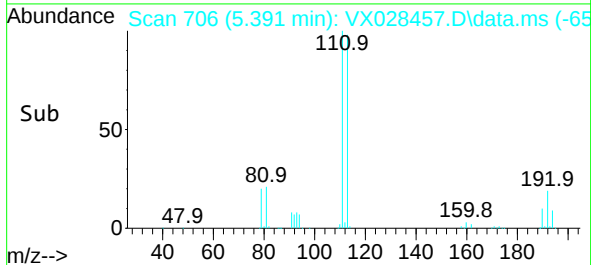
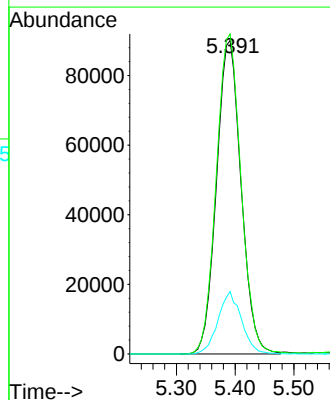
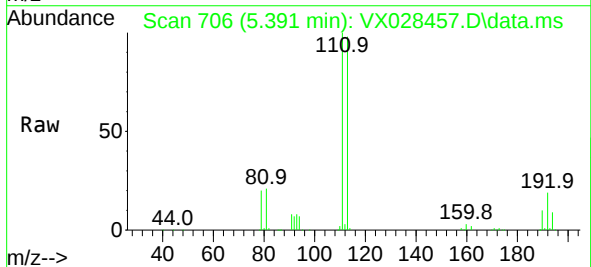
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

Tgt Ion:114 Resp: 692261
Ion Ratio Lower Upper
114 100
63 18.4 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.806 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion:113 Resp: 261217
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 19.1 16.9 25.3

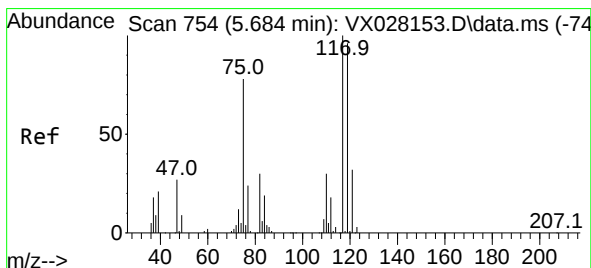
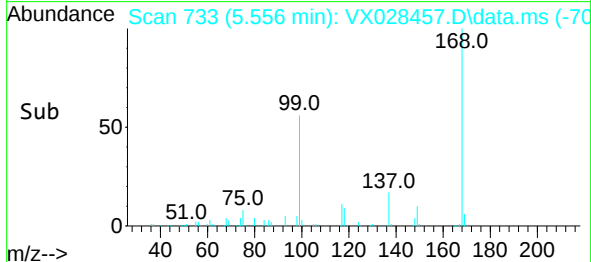
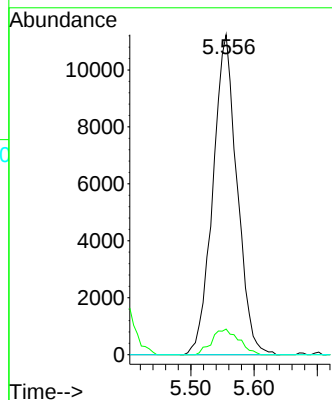
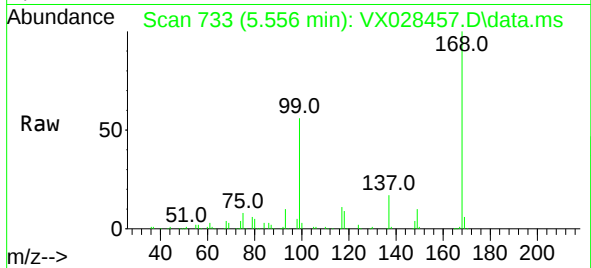




#36
1,1-Dichloropropene
Concen: 4.708 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

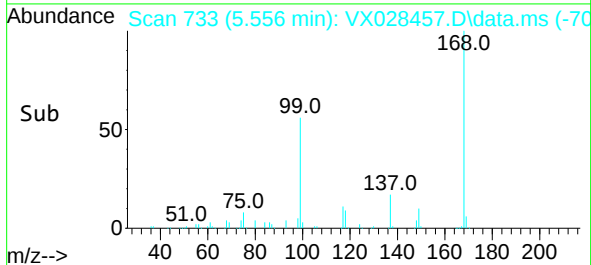
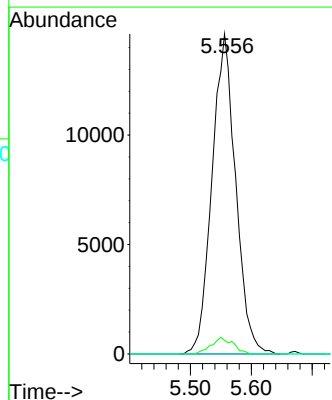
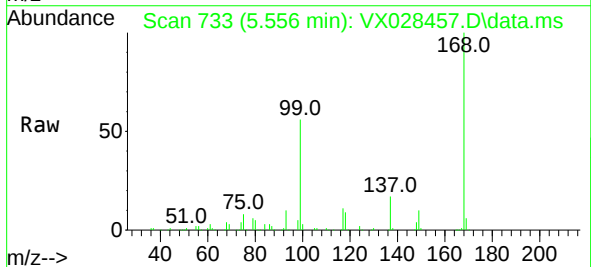
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

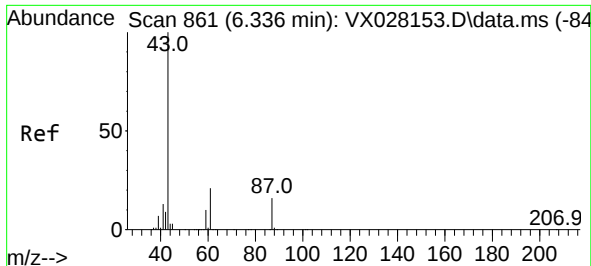
Tgt Ion: 75 Resp: 29815
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 117 Resp: 39452
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#

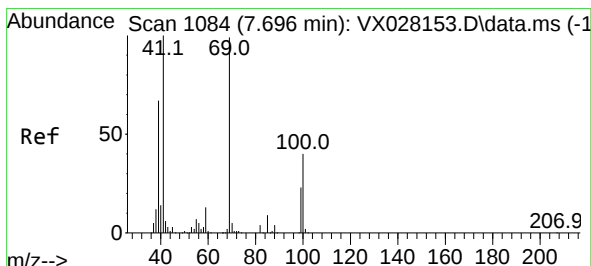
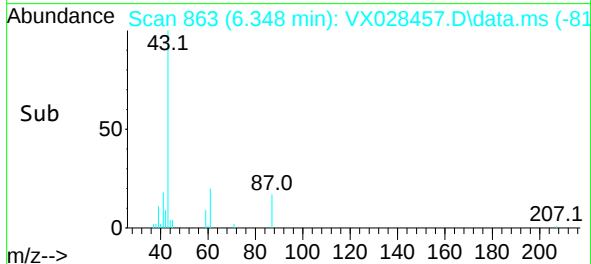
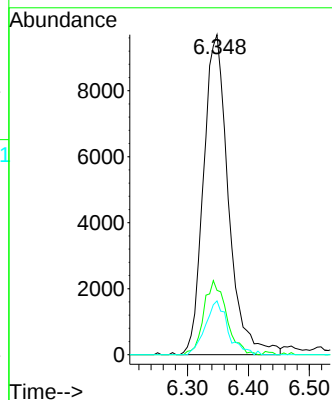
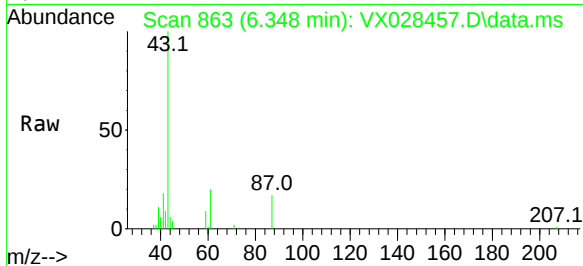




#43
Isopropyl Acetate
Concen: 2.633 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

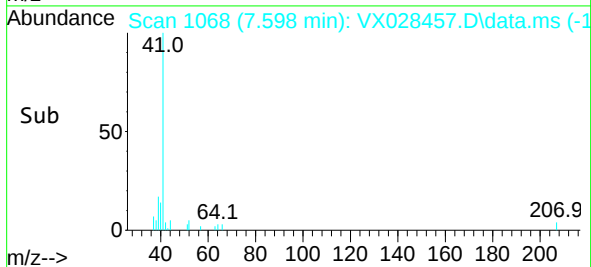
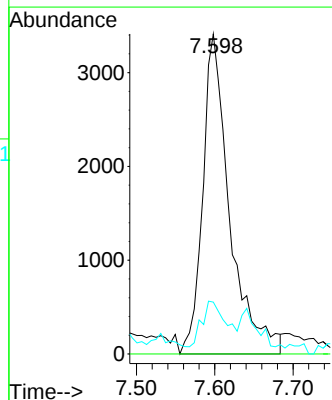
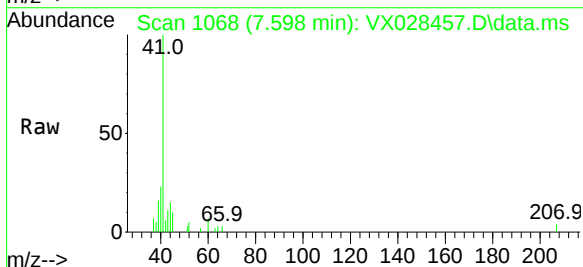
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

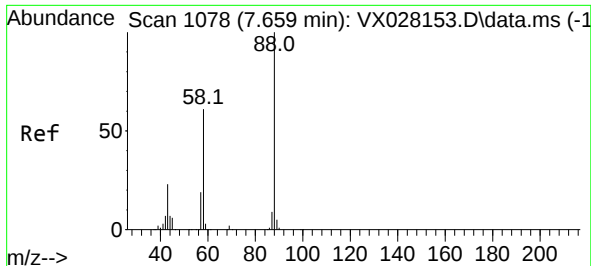
Tgt Ion: 43 Resp: 27540
Ion Ratio Lower Upper
43 100
61 21.1 18.5 27.7
87 15.3 13.0 19.6



#48
Methyl methacrylate
Concen: 1.696 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 41 Resp: 8145
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: 2.959 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028457.D

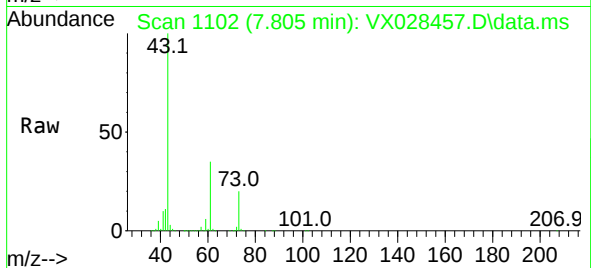
Acq: 30 Apr 2022 04:59

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#12



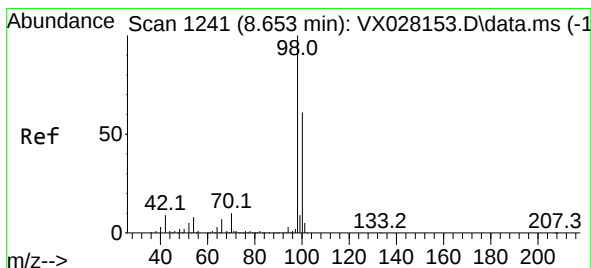
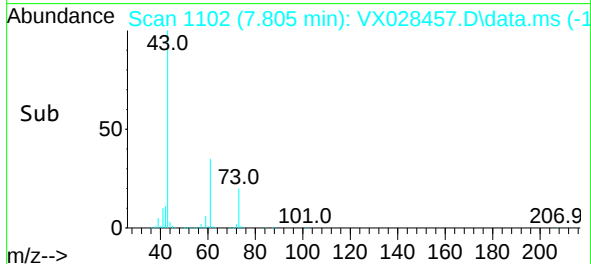
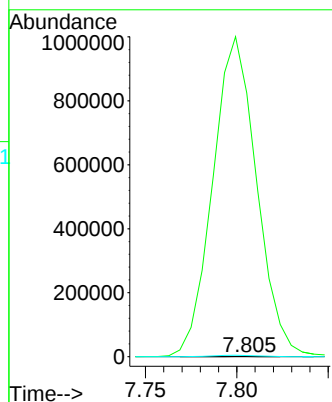
Tgt Ion: 88 Resp: 380

Ion Ratio Lower Upper

88 100

43 443153.4 21.9 32.9#

58 2058.4 53.7 80.5#



#50

Toluene-d8

Concen: 54.370 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028457.D

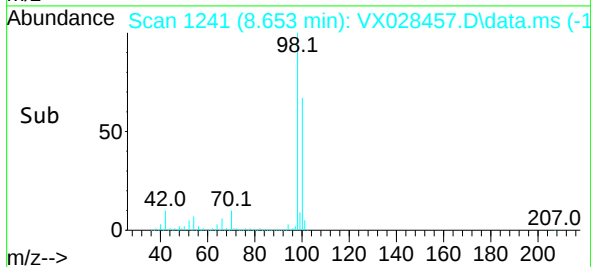
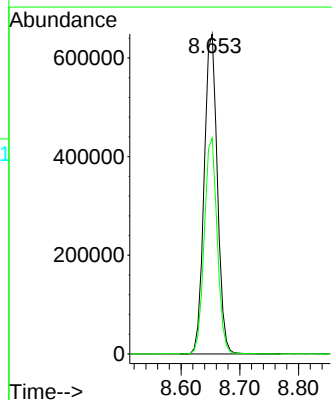
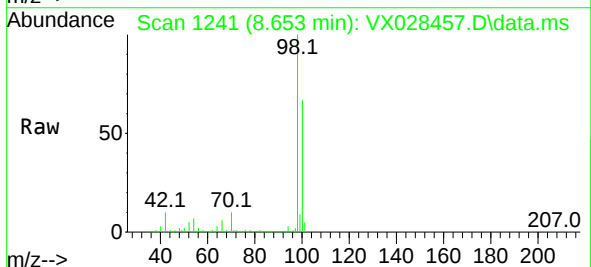
Acq: 30 Apr 2022 04:59

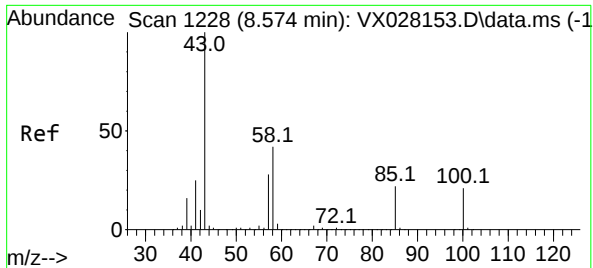
Tgt Ion: 98 Resp: 1013789

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8

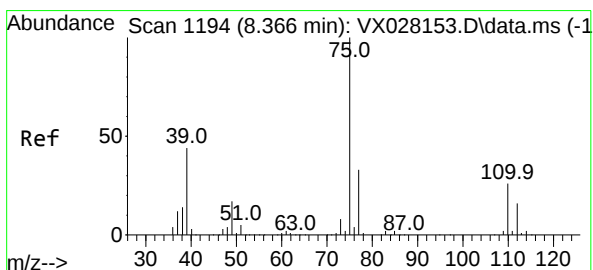
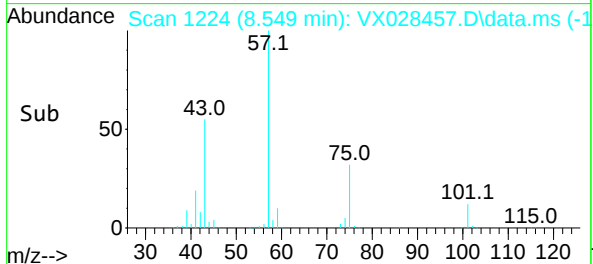
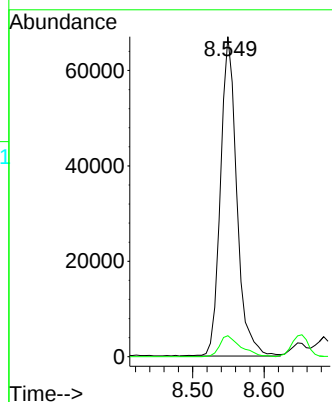
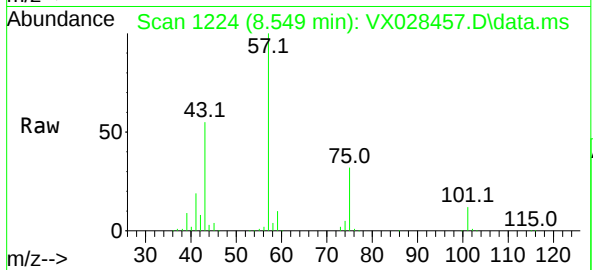




#51
4-Methyl-2-Pentanone
Concen: 15.853 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

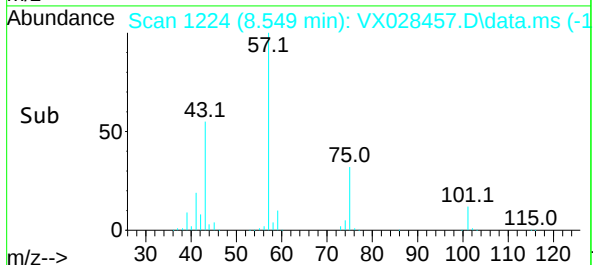
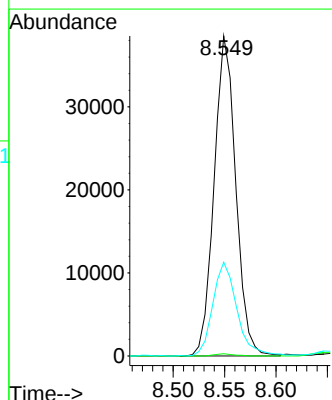
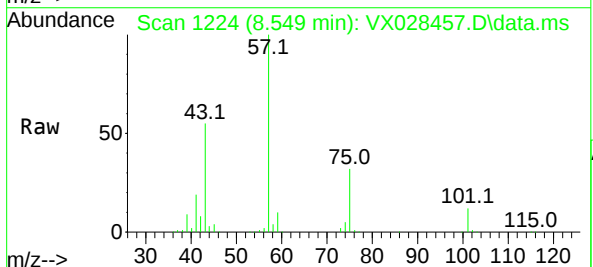
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#12

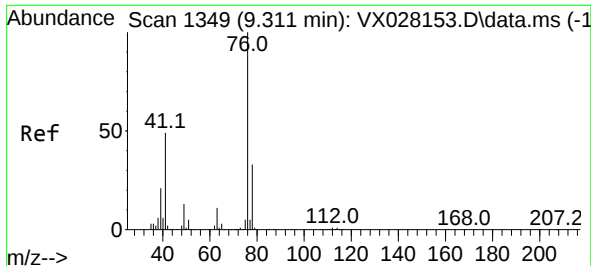
Tgt Ion: 43 Resp: 106385
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.228 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028457.D
Acq: 30 Apr 2022 04:59

Tgt Ion: 75 Resp: 56427
Ion Ratio Lower Upper
75 100
77 0.7 24.8 37.2#
39 29.2 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.475 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028457.D

Acq: 30 Apr 2022 04:59

Instrument :

MSVOA_X

ClientSampleId :

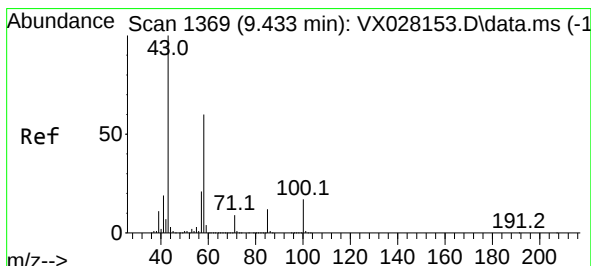
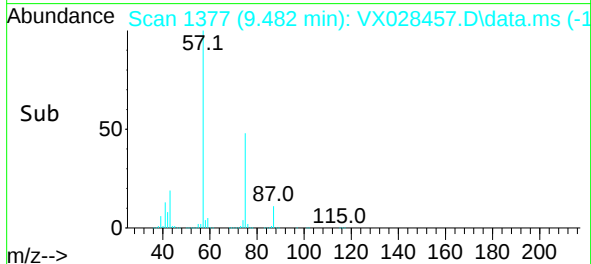
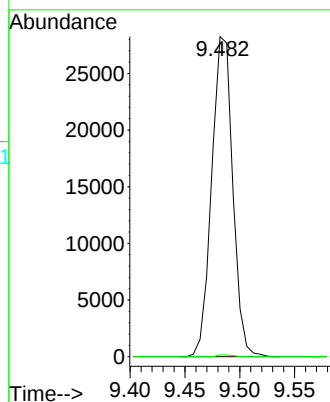
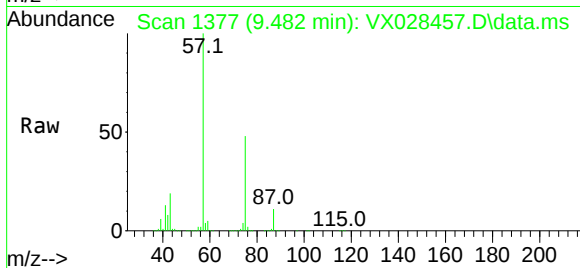
PB144452ZHE#12

Tgt Ion: 76 Resp: 37793

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 81.128 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028457.D

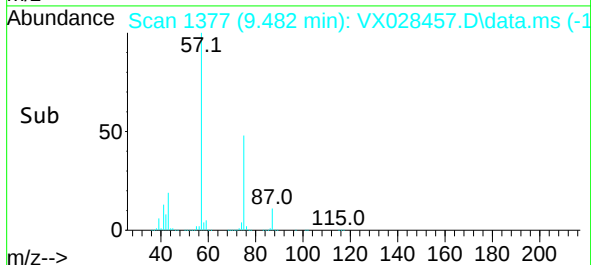
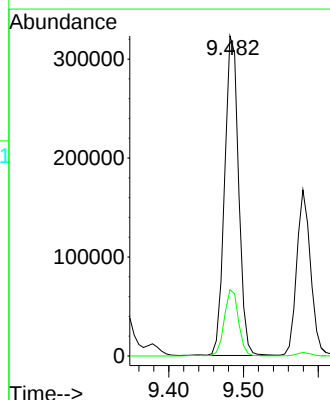
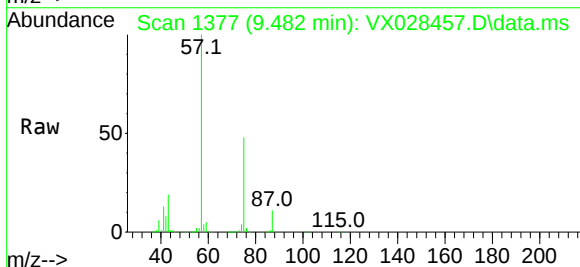
Acq: 30 Apr 2022 04:59

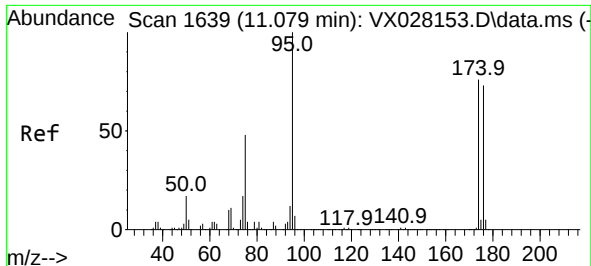
Tgt Ion: 43 Resp: 421731

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 52.225 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028457.D

Acq: 30 Apr 2022 04:59

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#12

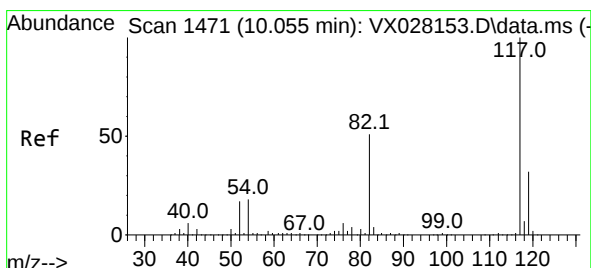
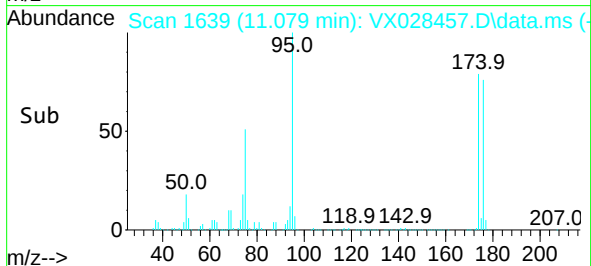
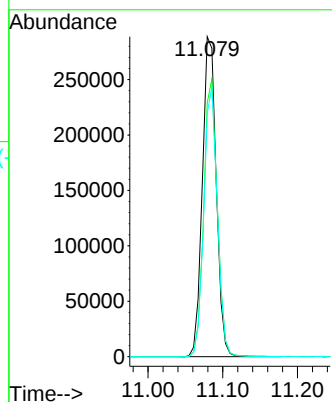
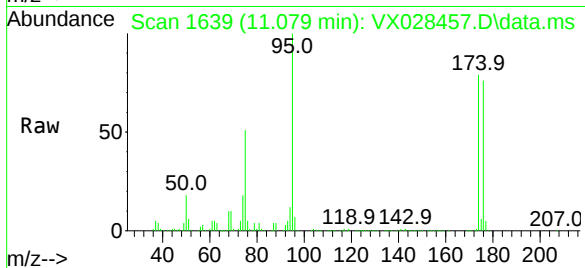
Tgt Ion: 95 Resp: 372338

Ion Ratio Lower Upper

95 100

174 84.8 0.0 163.0

176 82.2 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: VX028457.D

Acq: 30 Apr 2022 04:59

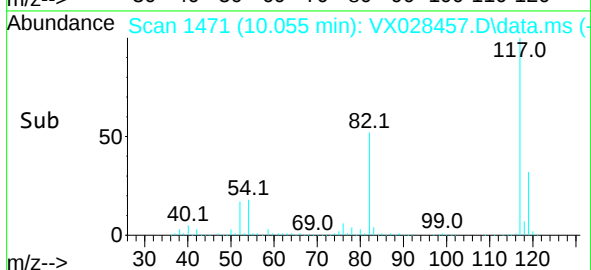
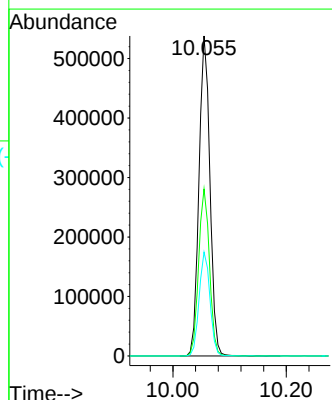
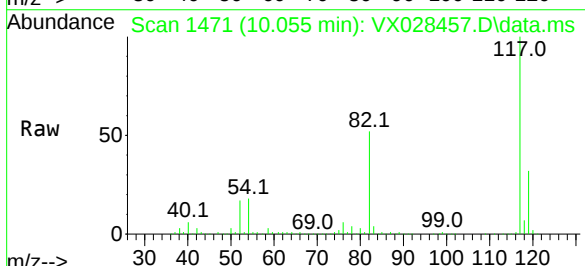
Tgt Ion: 117 Resp: 718905

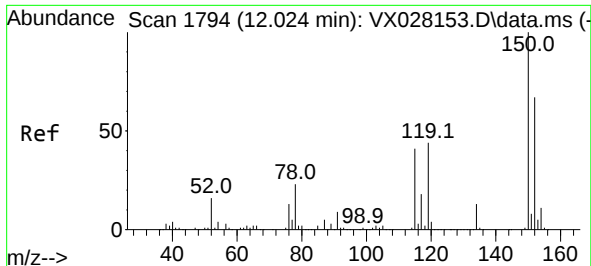
Ion Ratio Lower Upper

117 100

82 52.2 41.8 62.8

119 32.5 24.8 37.2

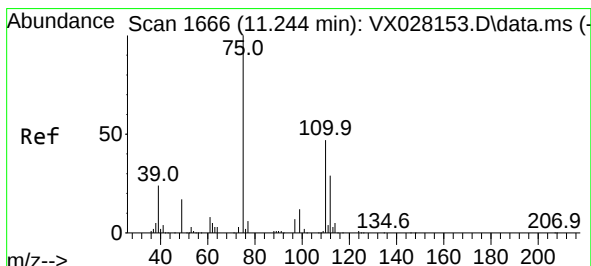
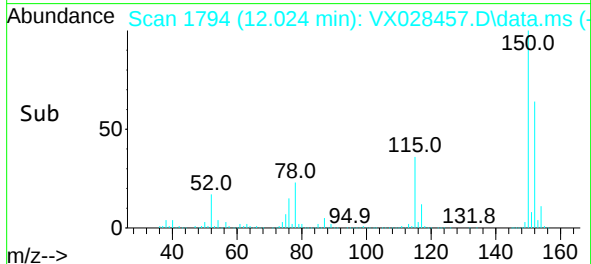
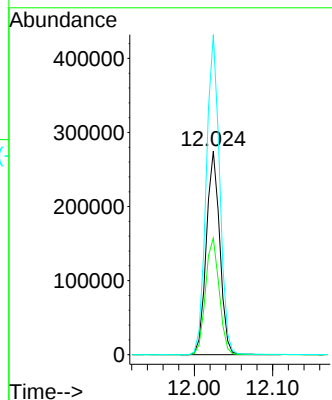
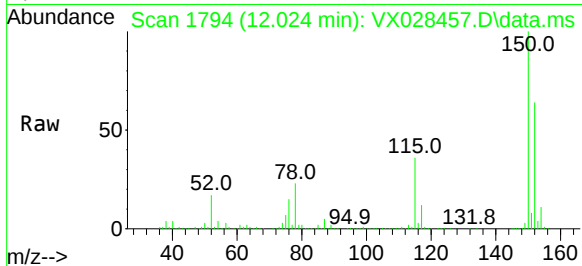




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028457.D
 Acq: 30 Apr 2022 04:59

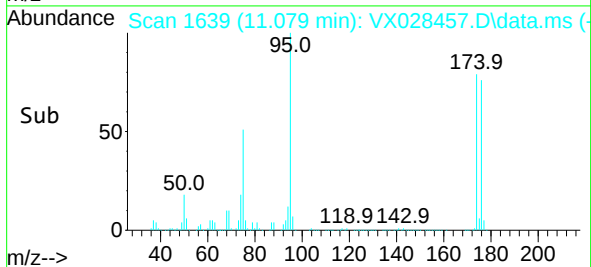
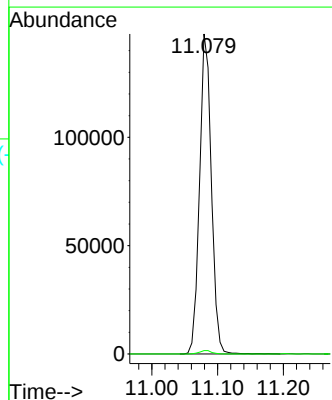
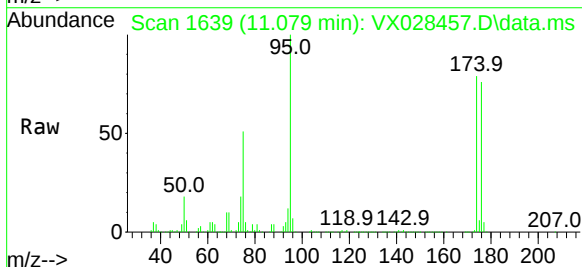
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#12

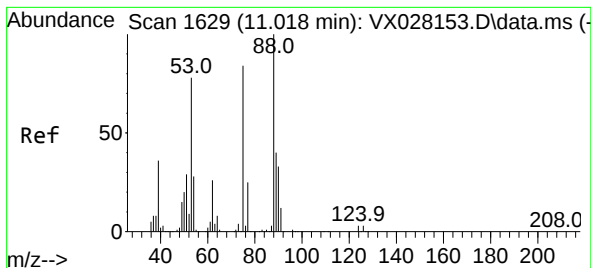
Tgt Ion:152 Resp: 325984
 Ion Ratio Lower Upper
 152 100
 115 58.3 37.5 112.7
 150 157.3 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.670 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028457.D
 Acq: 30 Apr 2022 04:59

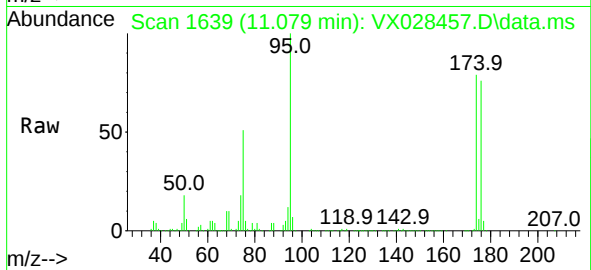
Tgt Ion: 75 Resp: 183934
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.199 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028457.D
 Acq: 30 Apr 2022 04:59

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#12



Tgt Ion: 75 Resp: 183934
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

