

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028181.D
 Acq On : 19 Apr 2022 23:58
 Operator : JC/MD
 Sample : PB144164ZHE#11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#11

Quant Time: Apr 20 08:21:01 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)

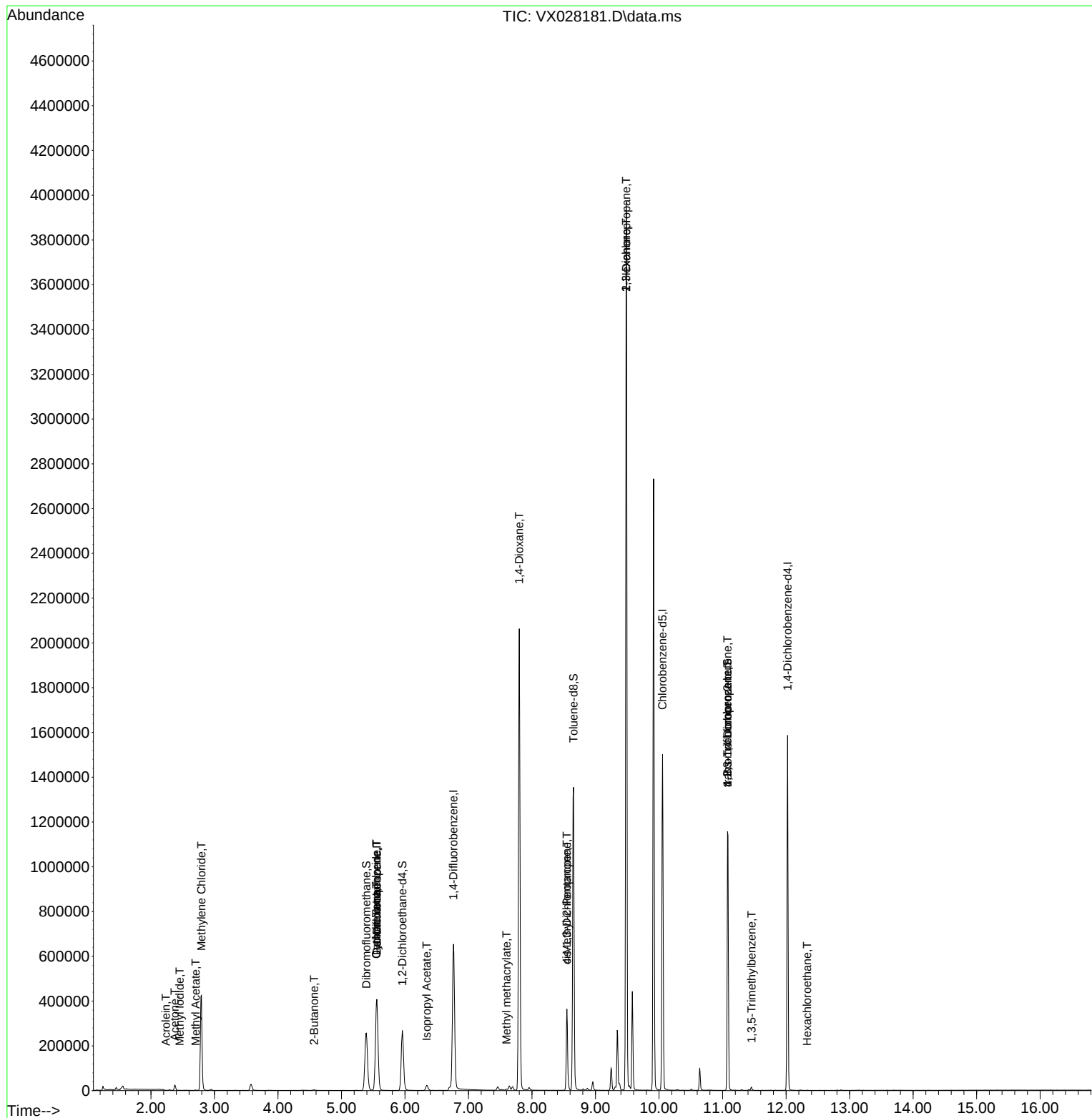
Internal Standards						
1) Pentafluorobenzene	5.556	168	397178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	686689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	697396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	320679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	247553	47.802	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.600%		
35) Dibromofluoromethane	5.391	113	223620	46.436	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.880%		
50) Toluene-d8	8.653	98	834833	45.136	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.280%		
62) 4-Bromofluorobenzene	11.079	95	312500	44.187	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	357	Below Cal	#	47
5) Bromomethane	1.611	94	824	Below Cal	#	65
6) Chloroethane	1.709	64	540	Below Cal		93
8) Diethyl Ether	2.136	74	260	Below Cal		67
10) Methyl Iodide	2.453	142	454	5.327	ug/l #	66
11) Tert butyl alcohol	2.946	59	2729	Below Cal	#	78
13) Acrolein	2.233	56	190	0.299	ug/l #	41
16) Acetone	2.373	43	24760	14.338	ug/l	91
18) Methyl Acetate	2.703	43	2708	0.588	ug/l	98
20) Methylene Chloride	2.794	84	201300	52.388	ug/l	97
25) 2-Butanone	4.568	43	3739	1.219	ug/l	96
31) Cyclohexane	5.550	56	7444	1.180	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	29828	4.748	ug/l #	50
38) Carbon Tetrachloride	5.550	117	39572	5.580	ug/l #	18
43) Isopropyl Acetate	6.342	43	30959	2.984	ug/l	98
48) Methyl methacrylate	7.598	41	8082	1.697	ug/l #	7
49) 1,4-Dioxane	7.799	88	285	2.237	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	114766	17.240	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	61629	7.958	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	39086	4.666	ug/l #	43
59) 2-Hexanone	9.482	43	437209	84.788	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	157808	25.005	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	6163	0.329	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	157808	74.307	ug/l #	15
90) Hexachloroethane	12.329	117	19	1.819	ug/l #	10

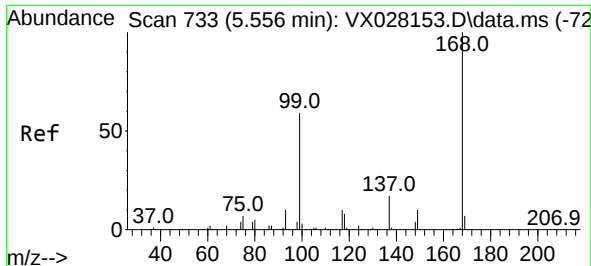
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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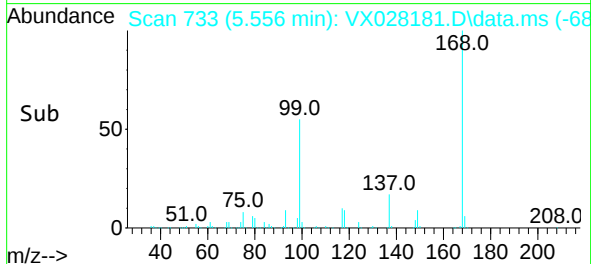
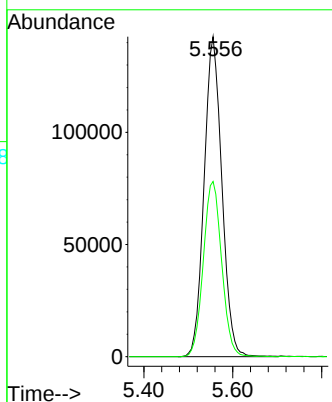
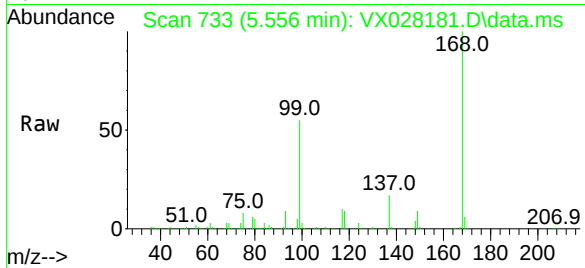




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

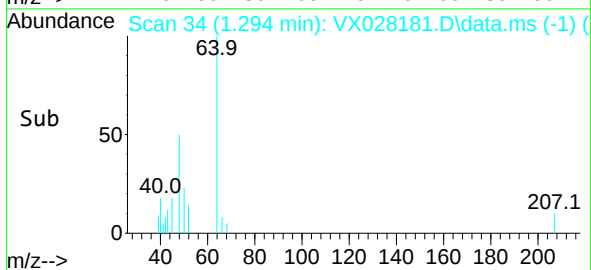
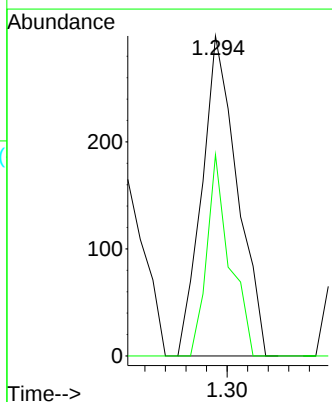
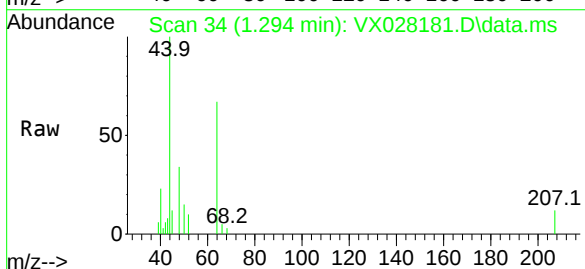
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

Tgt Ion:168 Resp: 397178
Ion Ratio Lower Upper
168 100
99 54.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 50 Resp: 357
Ion Ratio Lower Upper
50 100
52 62.9 26.4 39.6#

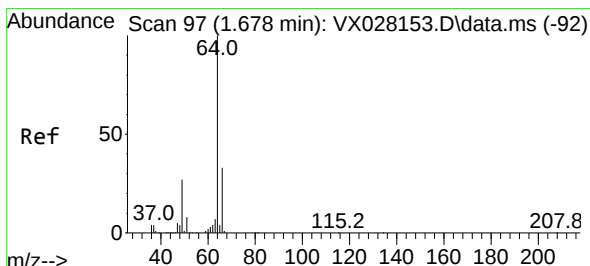
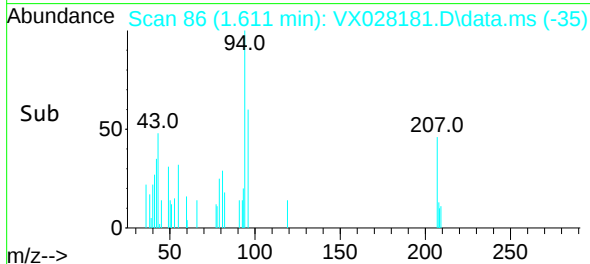
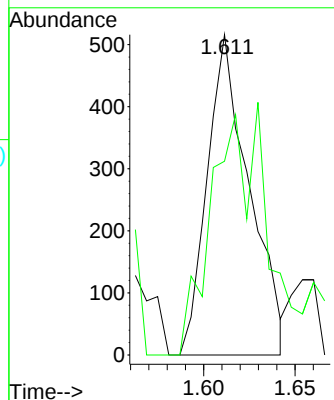
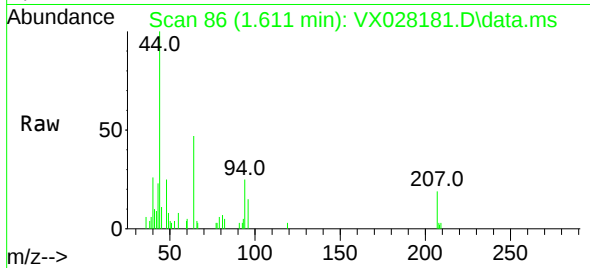




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

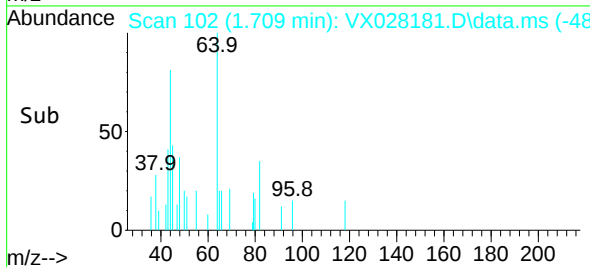
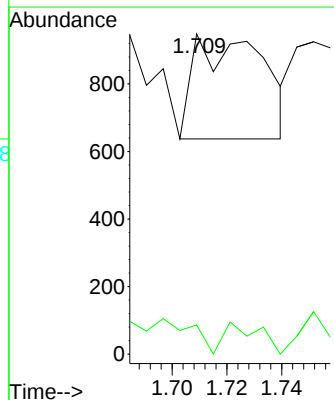
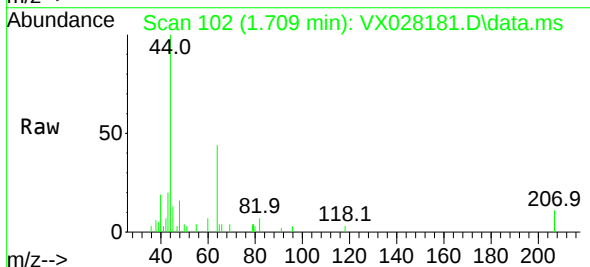
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

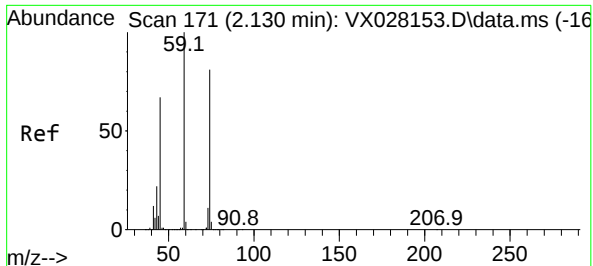
Tgt Ion: 94 Resp: 824
Ion Ratio Lower Upper
94 100
96 60.5 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.709 min Scan# 102
Delta R.T. 0.031 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 64 Resp: 540
Ion Ratio Lower Upper
64 100
66 27.7 25.3 37.9

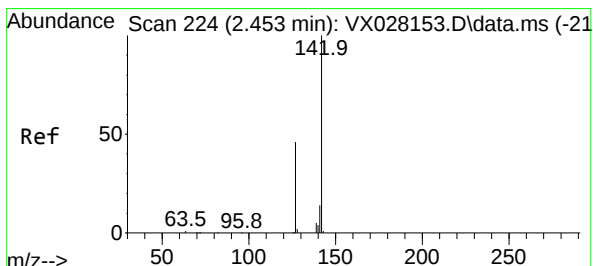
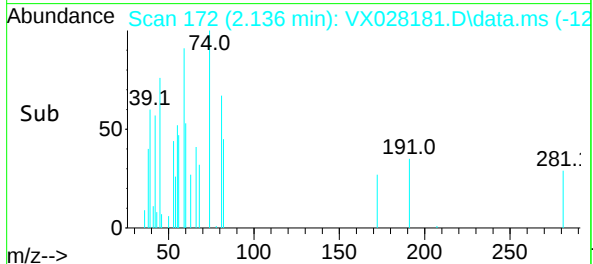
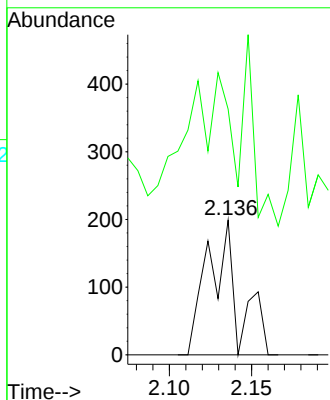
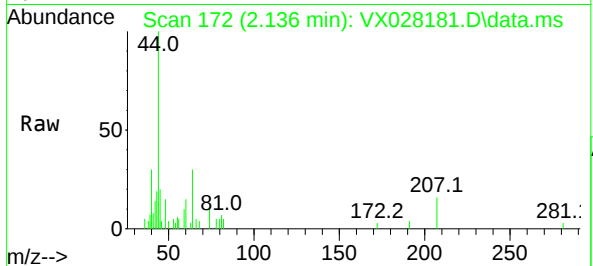




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

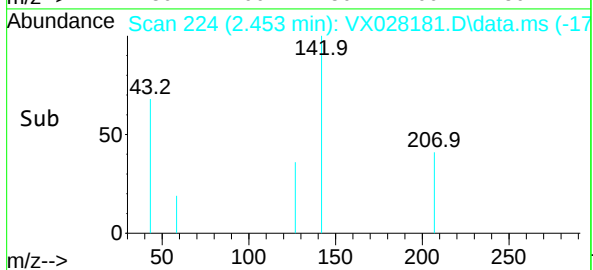
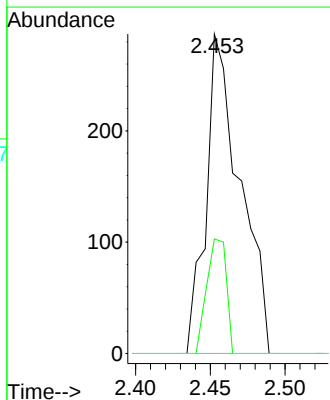
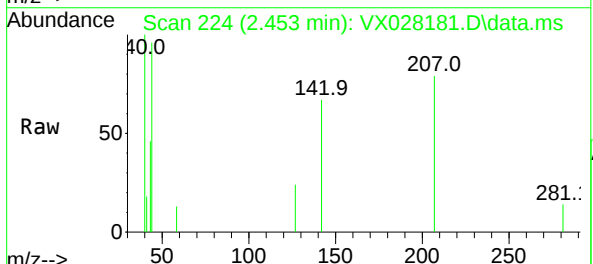
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

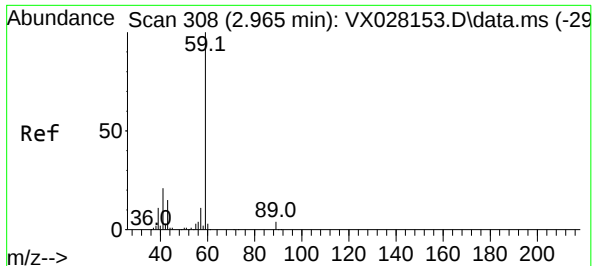
Tgt Ion: 74 Resp: 260
Ion Ratio Lower Upper
74 100
45 53.8 42.0 126.0



#10
Methyl Iodide
Concen: 5.327 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion:142 Resp: 454
Ion Ratio Lower Upper
142 100
127 20.7 33.9 50.9#
141 0.0 11.4 17.2#

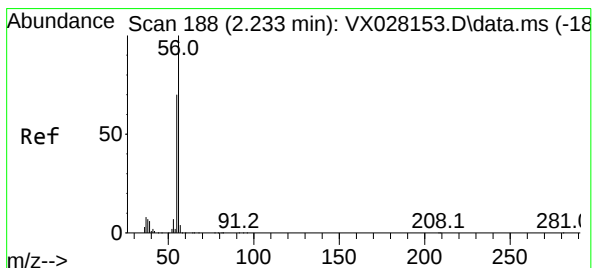
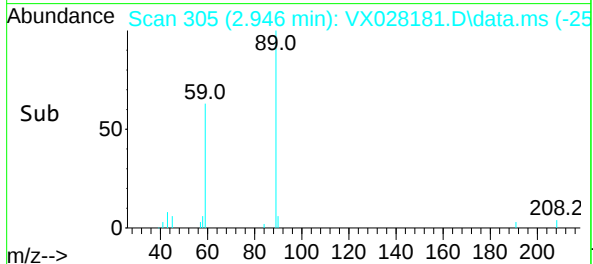
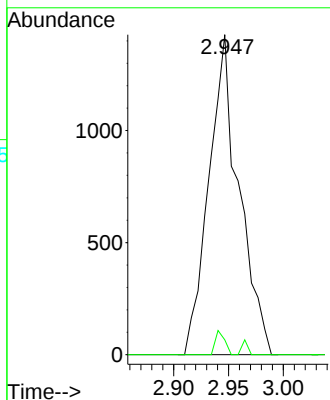
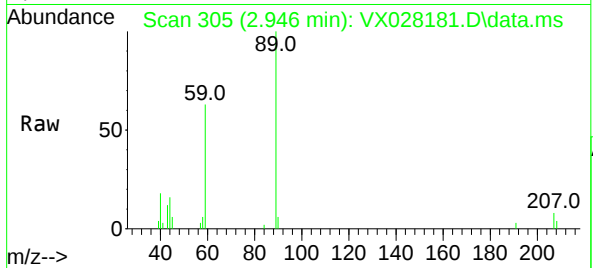




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

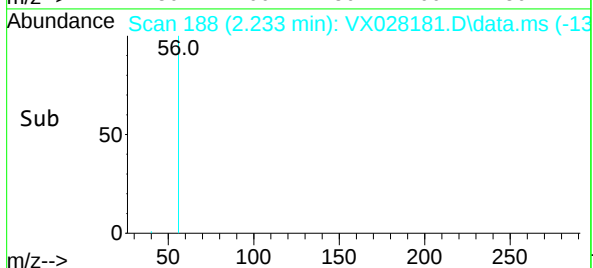
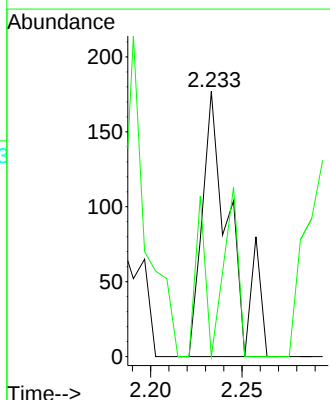
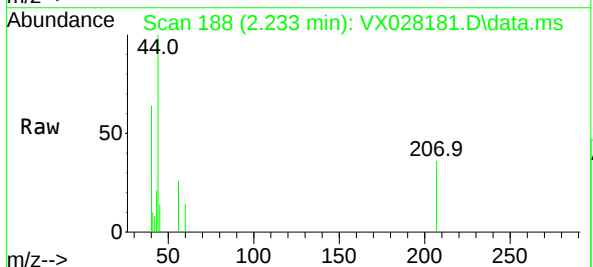
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

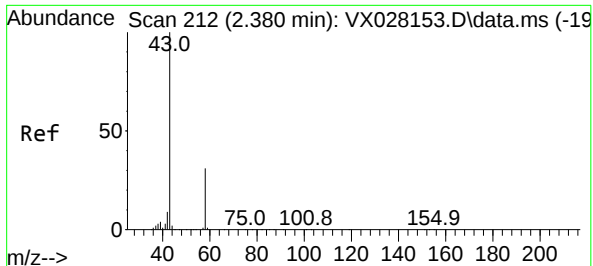
Tgt Ion: 59 Resp: 2729
Ion Ratio Lower Upper
59 100
57 2.3 8.3 12.5#



#13
Acrolein
Concen: 0.299 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 20.5 55.0 82.6#

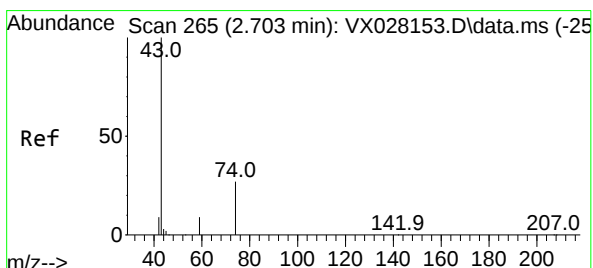
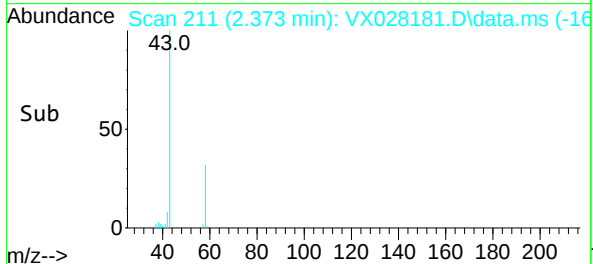
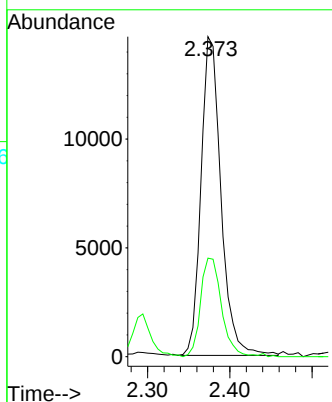
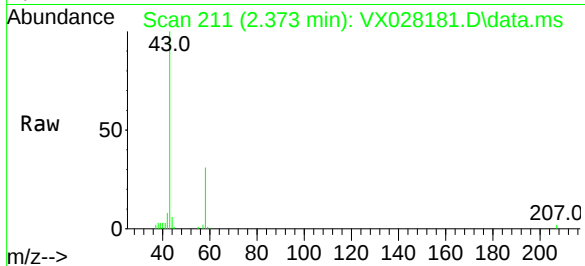




#16
Acetone
Concen: 14.338 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

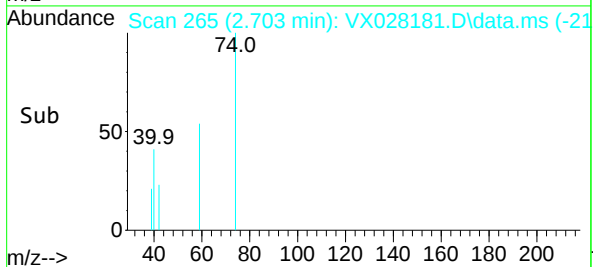
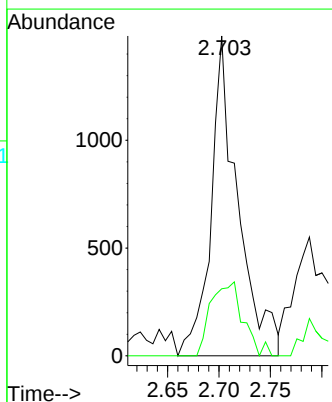
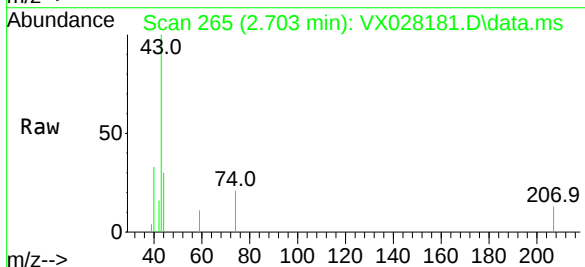
Instrument :
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ClientSampleId :
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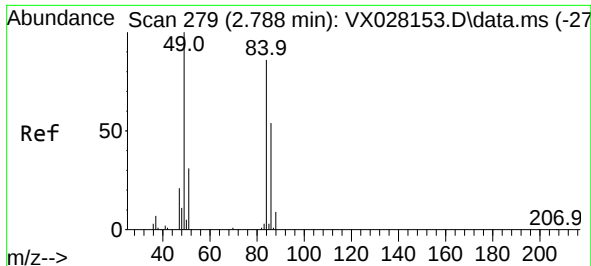
Tgt Ion: 43 Resp: 24760
Ion Ratio Lower Upper
43 100
58 30.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.588 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 43 Resp: 2708
Ion Ratio Lower Upper
43 100
74 27.5 22.8 34.2

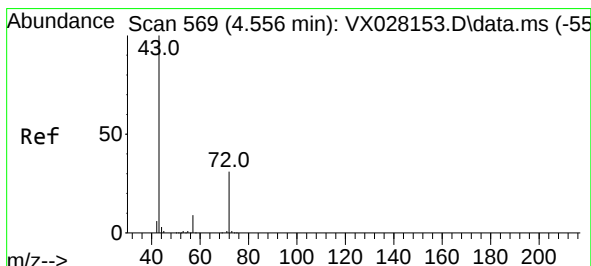
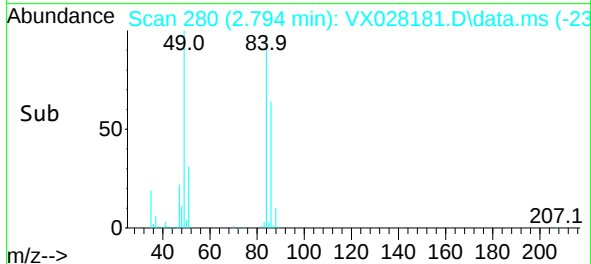
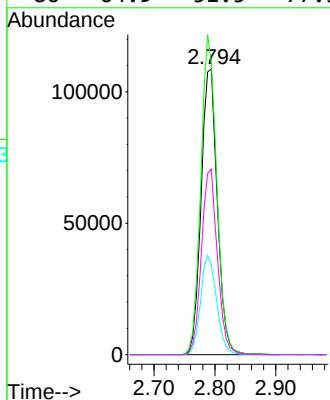
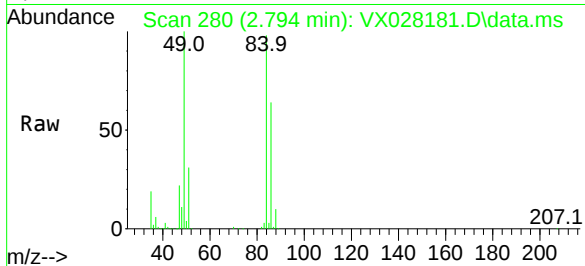




#20
Methylene Chloride
Concen: 52.388 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

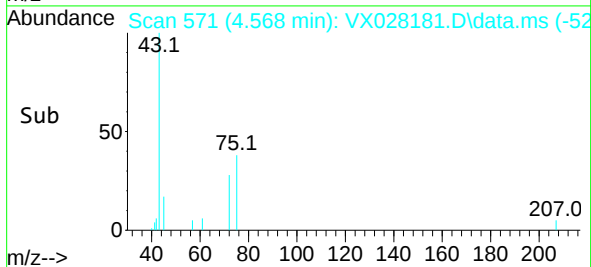
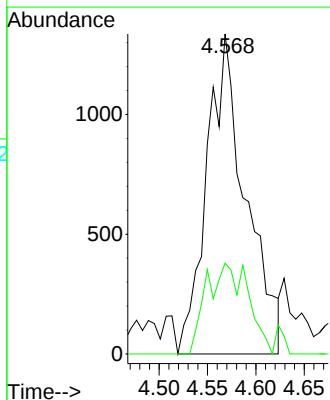
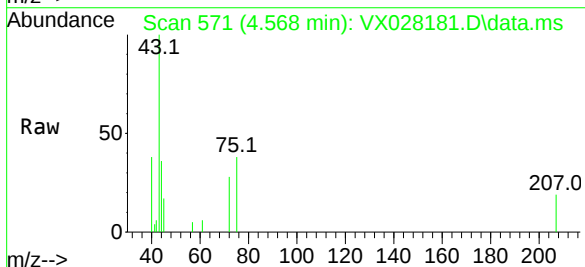
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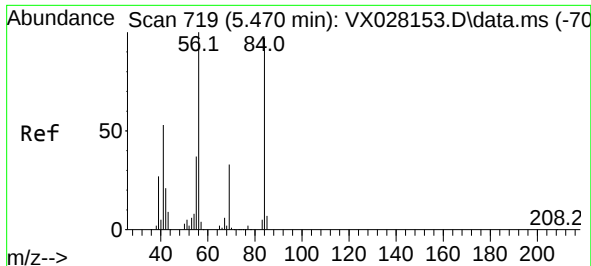
Tgt Ion: 84 Resp: 201300
Ion Ratio Lower Upper
84 100
49 102.1 85.5 128.3
51 31.5 26.6 39.8
86 64.9 51.5 77.3



#25
2-Butanone
Concen: 1.219 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 43 Resp: 3739
Ion Ratio Lower Upper
43 100
72 28.4 24.4 36.6

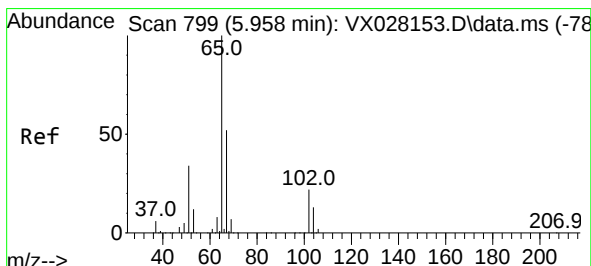
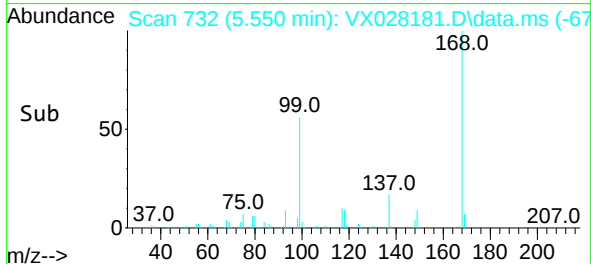
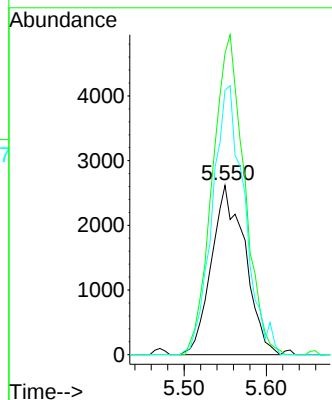
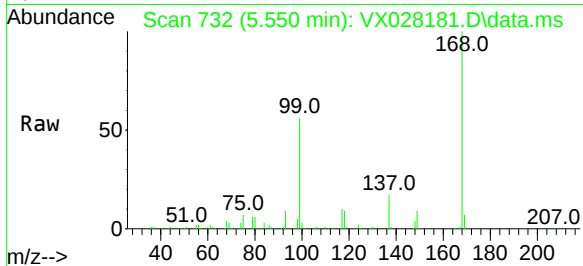




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

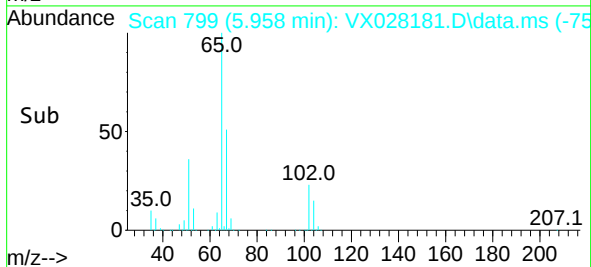
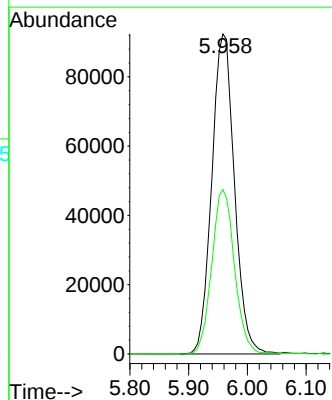
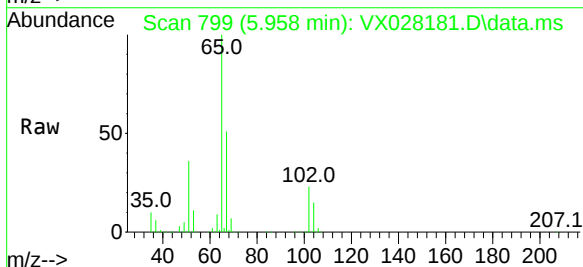
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

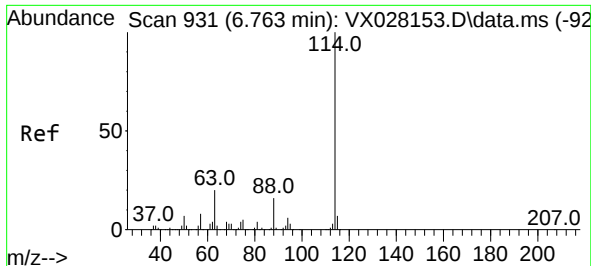
Tgt Ion: 56 Resp: 7444
Ion Ratio Lower Upper
56 100
69 177.9 26.7 40.1#
84 156.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.802 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 65 Resp: 247553
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4

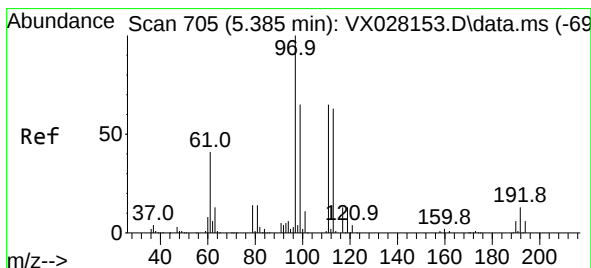
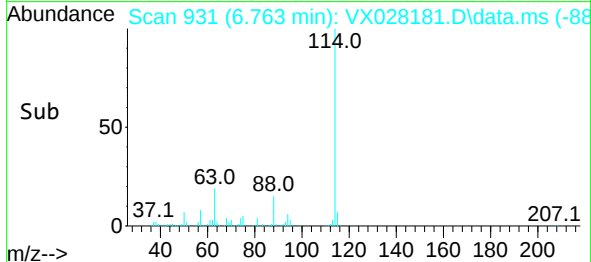
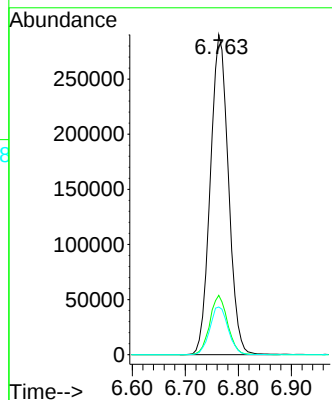
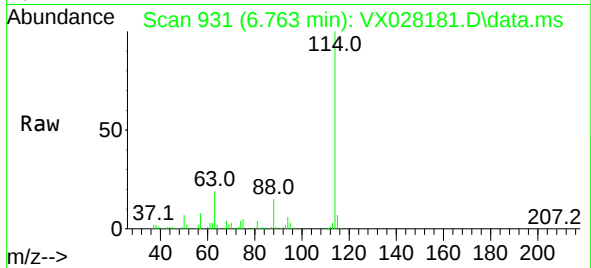




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

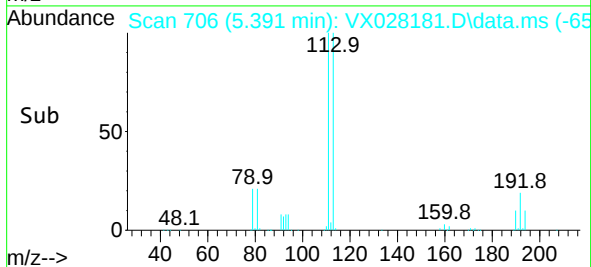
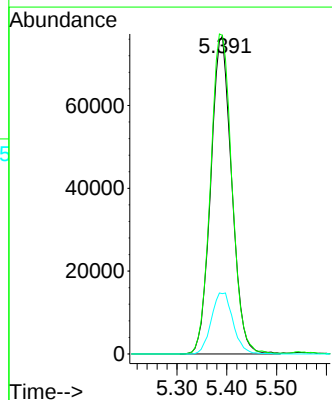
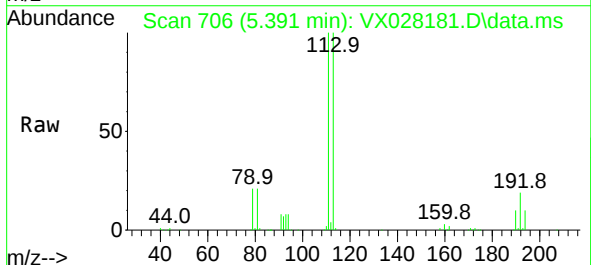
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

Tgt Ion:114 Resp: 686689
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.436 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion:113 Resp: 223620
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.9 16.9 25.3

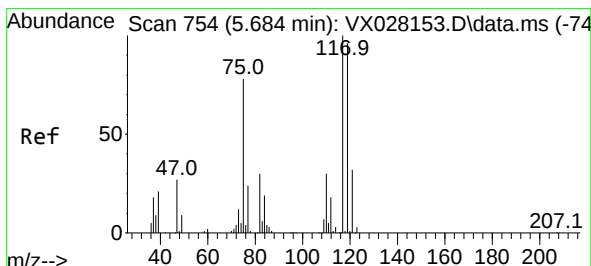
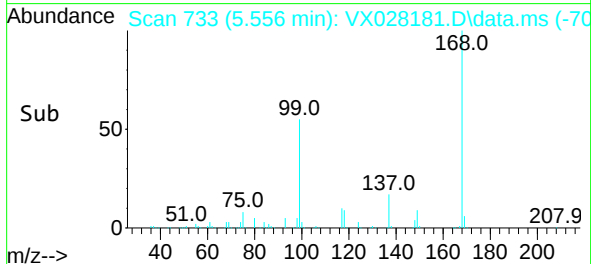
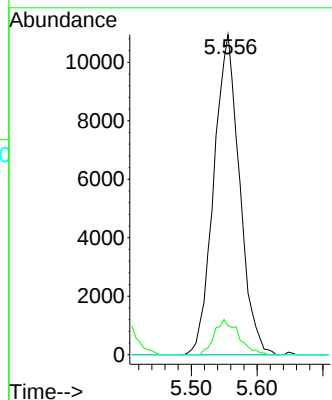
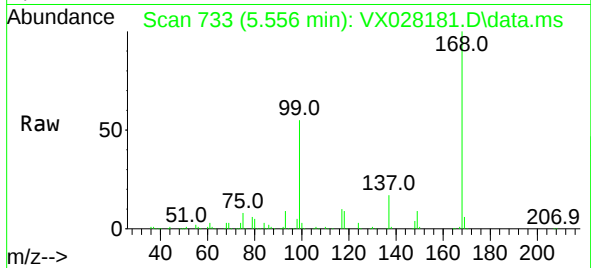




#36
1,1-Dichloropropene
Concen: 4.748 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

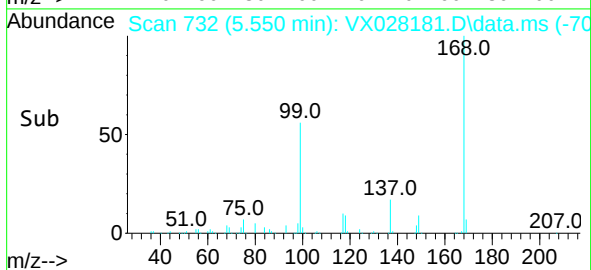
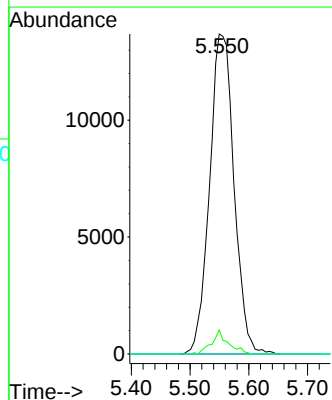
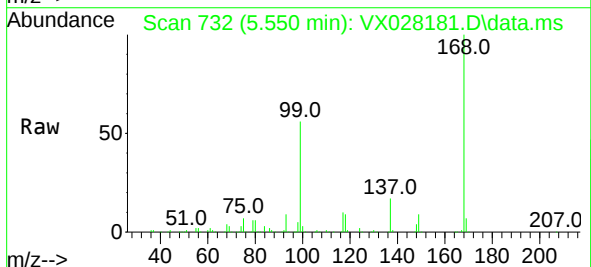
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

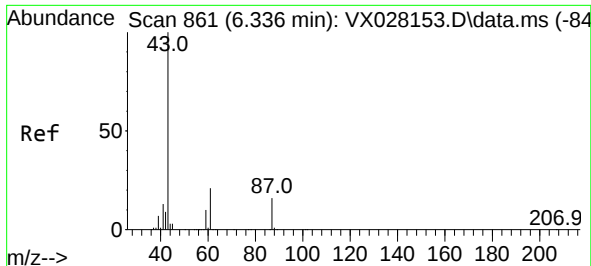
Tgt Ion: 75 Resp: 29828
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.580 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 117 Resp: 39572
Ion Ratio Lower Upper
117 100
119 7.5 77.3 115.9#
121 0.0 24.2 36.2#

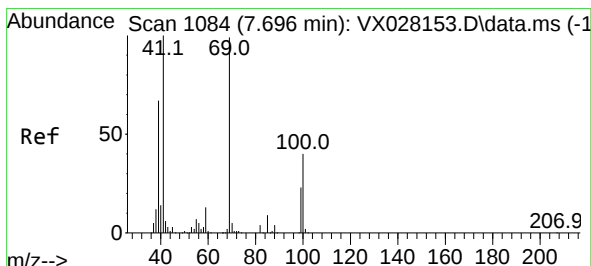
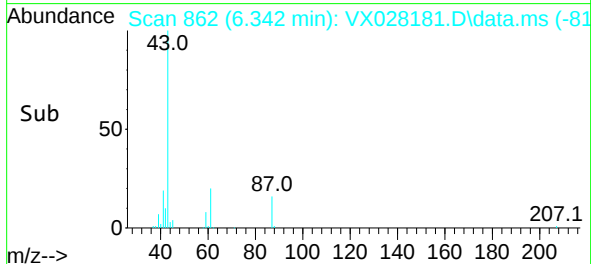
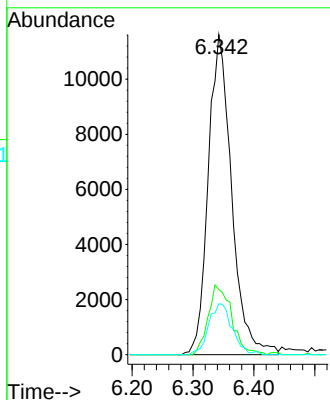
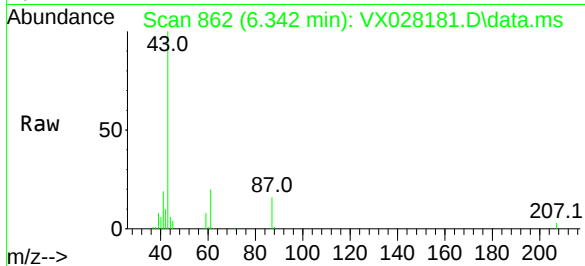




#43
Isopropyl Acetate
Concen: 2.984 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

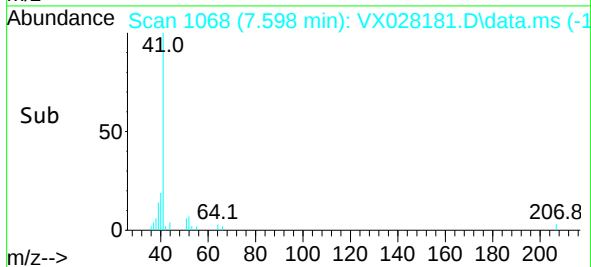
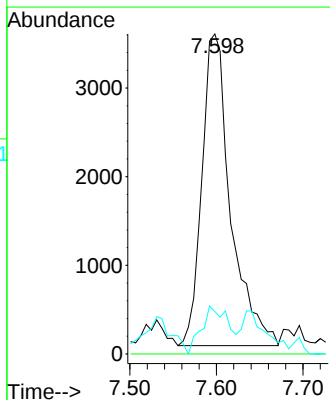
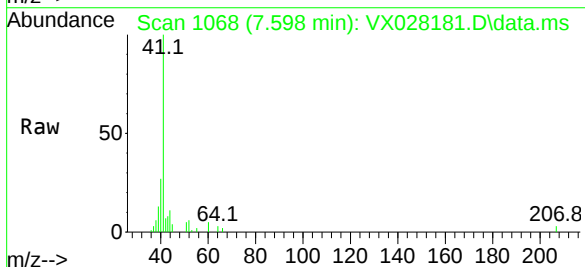
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

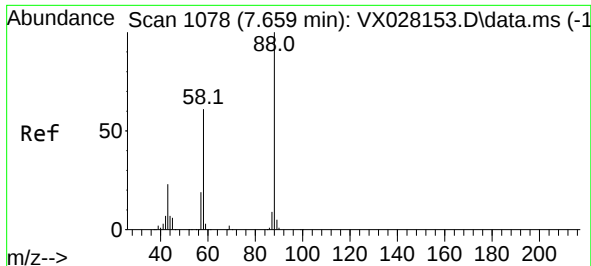
Tgt Ion: 43 Resp: 30959
Ion Ratio Lower Upper
43 100
61 21.8 18.5 27.7
87 16.0 13.0 19.6



#48
Methyl methacrylate
Concen: 1.697 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 41 Resp: 8082
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: 2.237 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028181.D

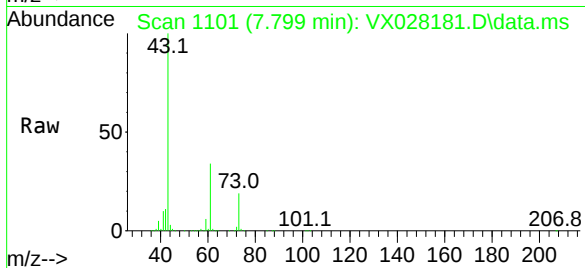
Acq: 19 Apr 2022 23:58

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#11



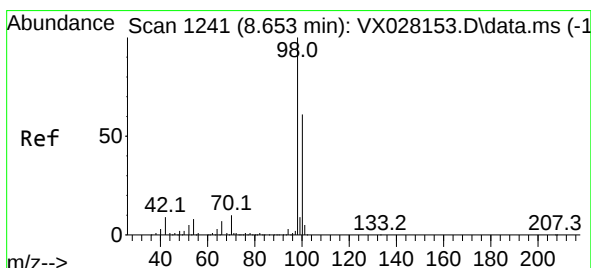
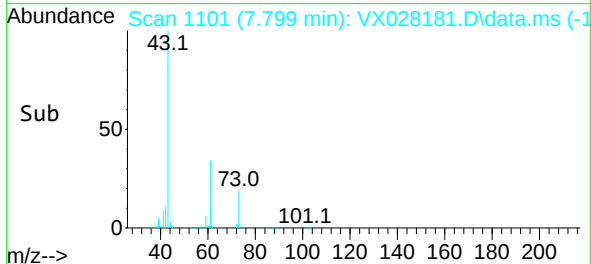
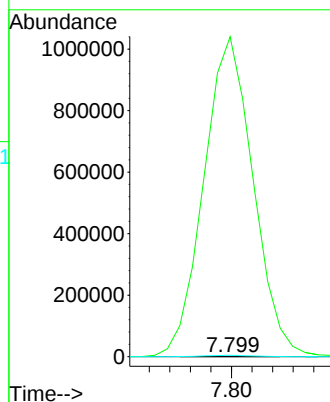
Tgt Ion: 88 Resp: 285

Ion Ratio Lower Upper

88 100

43 612759.6 21.9 32.9#

58 2661.8 53.7 80.5#



#50

Toluene-d8

Concen: 45.136 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028181.D

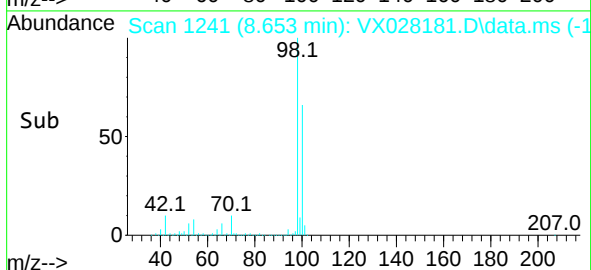
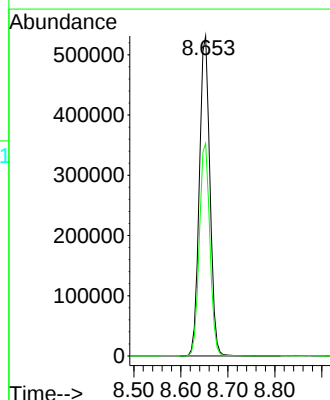
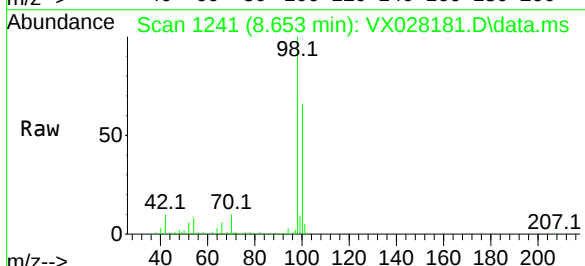
Acq: 19 Apr 2022 23:58

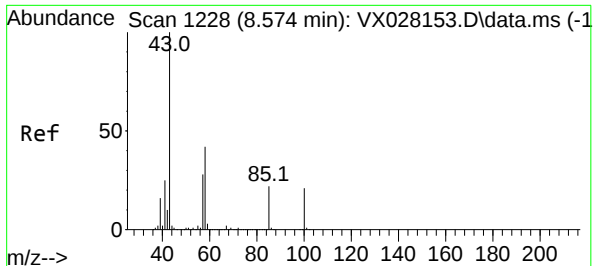
Tgt Ion: 98 Resp: 834833

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.240 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028181.D

Acq: 19 Apr 2022 23:58

Instrument :

MSVOA_X

ClientSampleId :

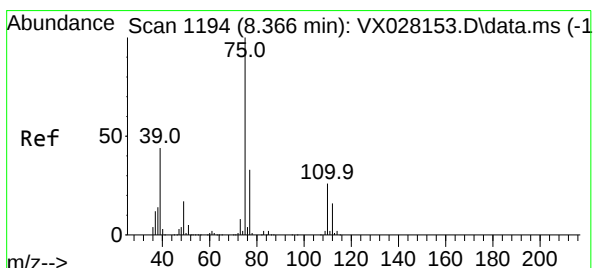
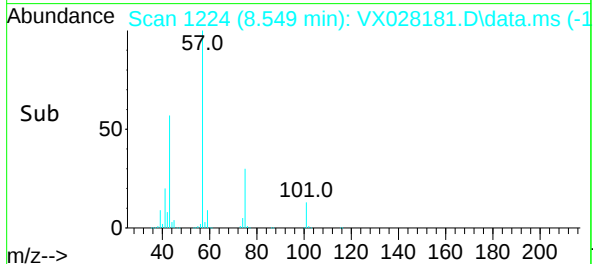
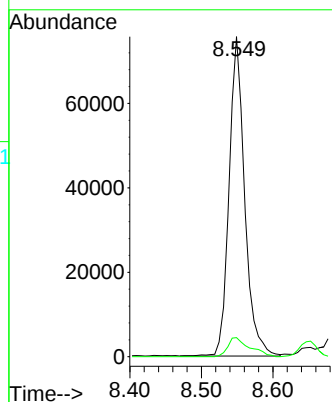
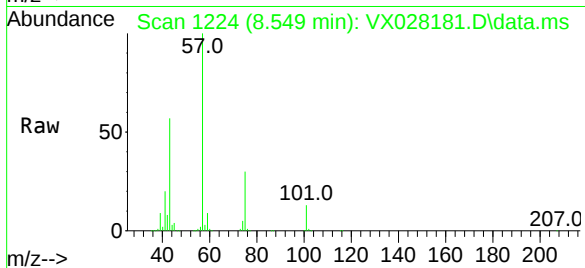
PB144164ZHE#11

Tgt Ion: 43 Resp: 114766

Ion Ratio Lower Upper

43 100

58 8.4 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.958 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028181.D

Acq: 19 Apr 2022 23:58

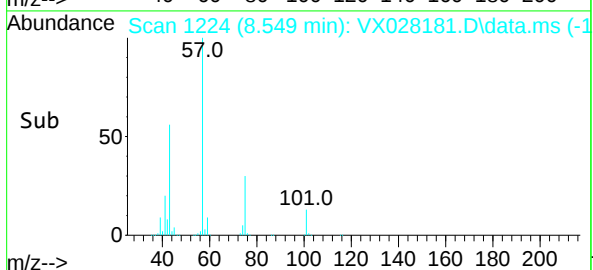
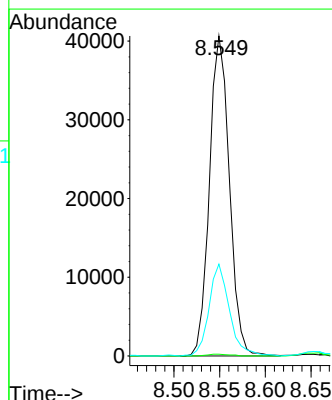
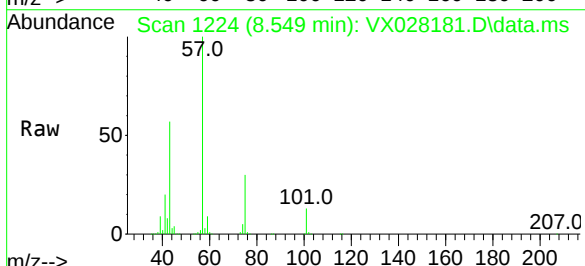
Tgt Ion: 75 Resp: 61629

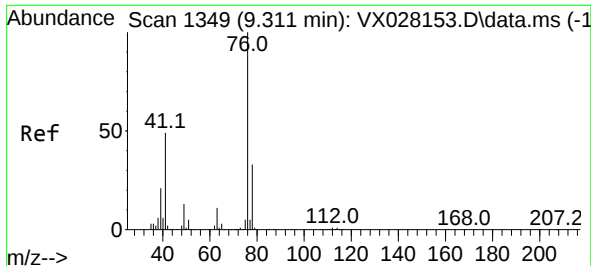
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 28.7 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.666 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028181.D

Acq: 19 Apr 2022 23:58

Instrument :

MSVOA_X

ClientSampleId :

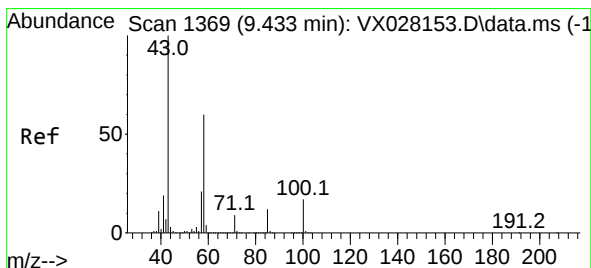
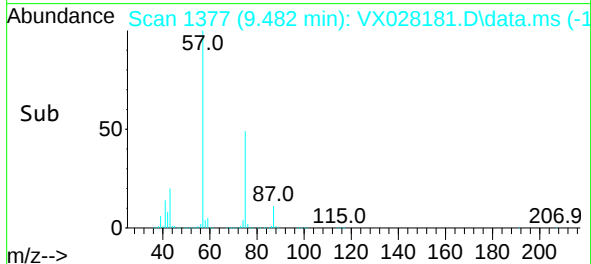
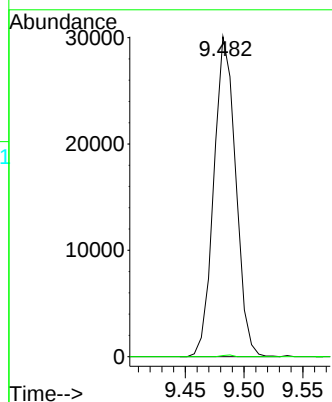
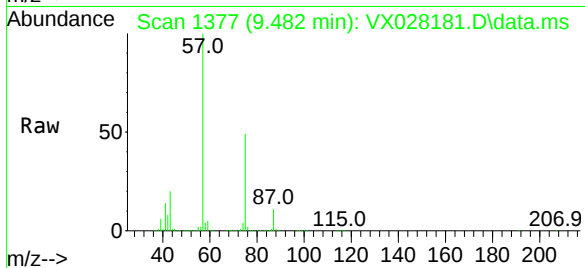
PB144164ZHE#11

Tgt Ion: 76 Resp: 39086

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 84.788 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028181.D

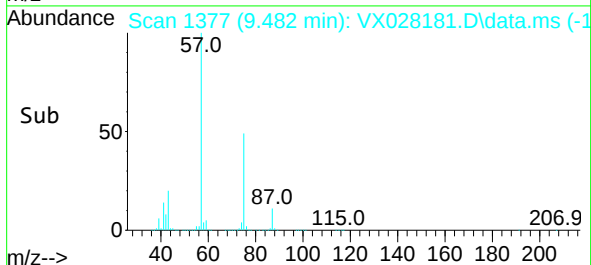
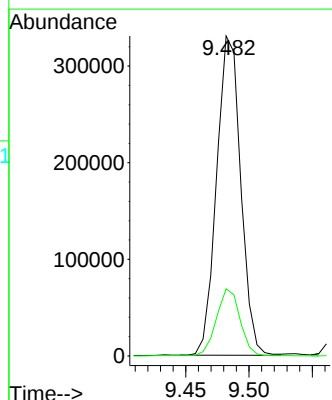
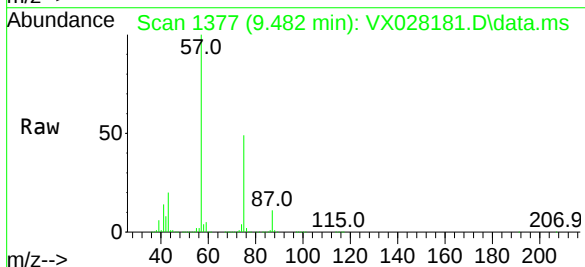
Acq: 19 Apr 2022 23:58

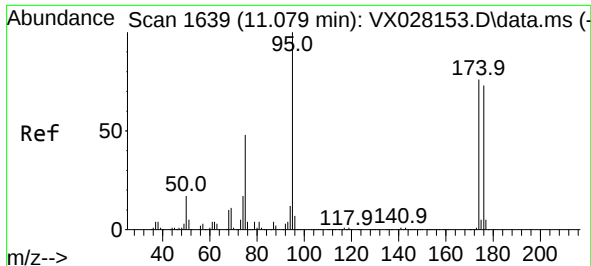
Tgt Ion: 43 Resp: 437209

Ion Ratio Lower Upper

43 100

58 20.6 31.9 95.7#

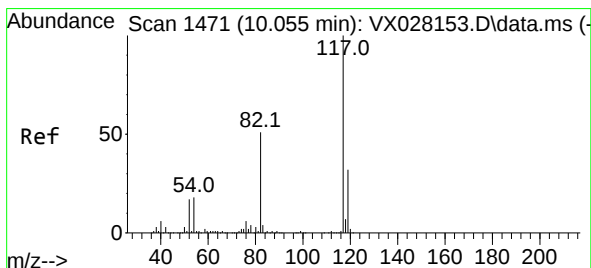
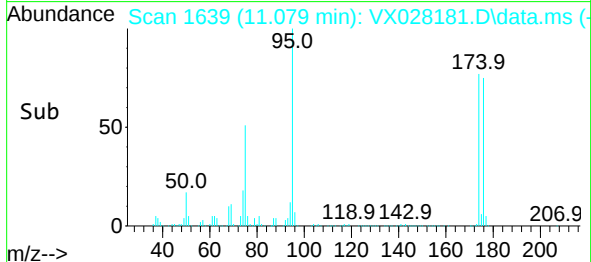
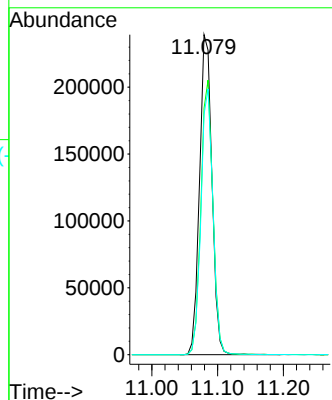
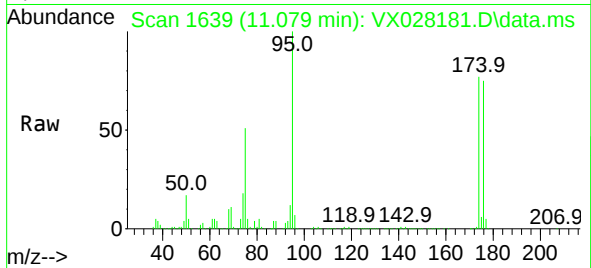




#62
4-Bromofluorobenzene
Concen: 44.187 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

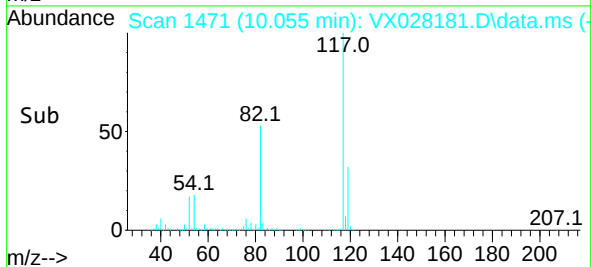
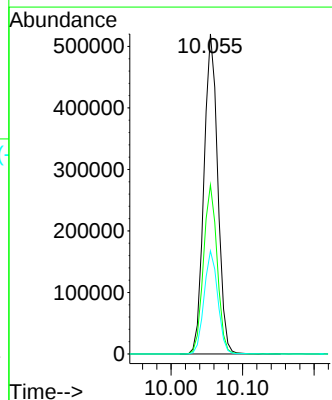
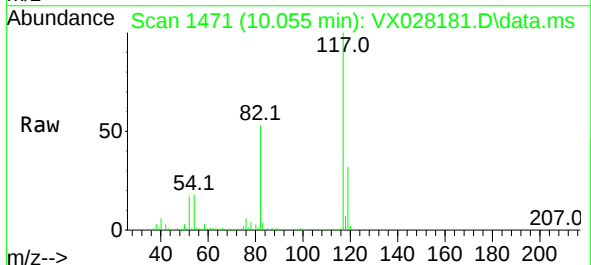
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#11

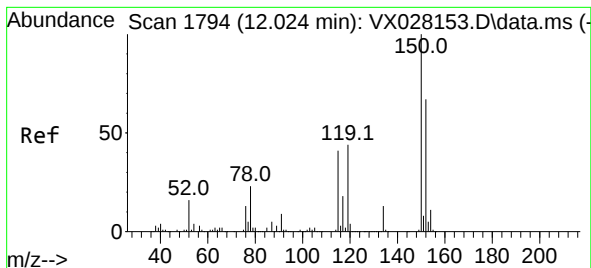
Tgt Ion: 95 Resp: 312500
Ion Ratio Lower Upper
95 100
174 83.0 0.0 163.0
176 80.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028181.D
Acq: 19 Apr 2022 23:58

Tgt Ion: 117 Resp: 697396
Ion Ratio Lower Upper
117 100
82 52.8 41.8 62.8
119 32.2 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028181.D

Acq: 19 Apr 2022 23:58

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#11

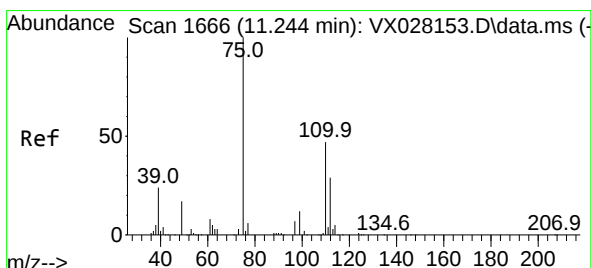
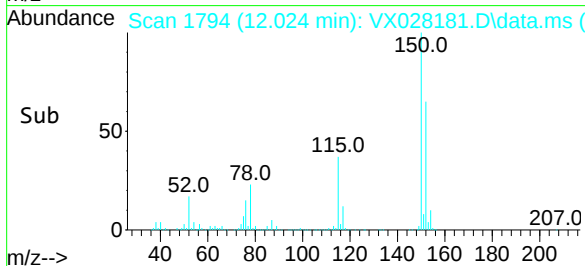
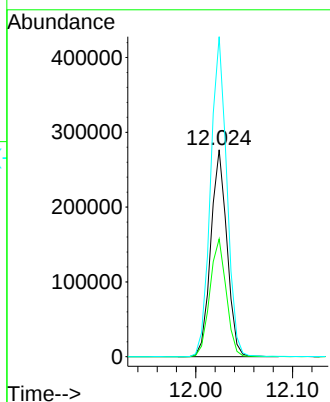
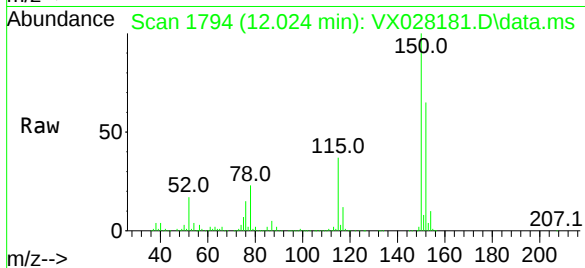
Tgt Ion:152 Resp: 320679

Ion Ratio Lower Upper

152 100

115 57.9 37.5 112.7

150 155.9 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 25.005 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028181.D

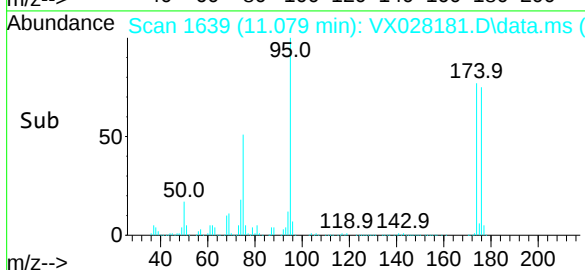
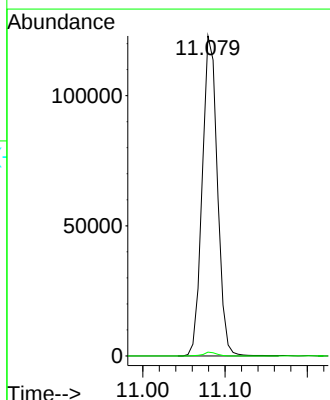
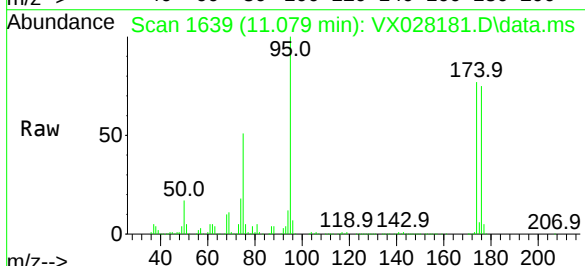
Acq: 19 Apr 2022 23:58

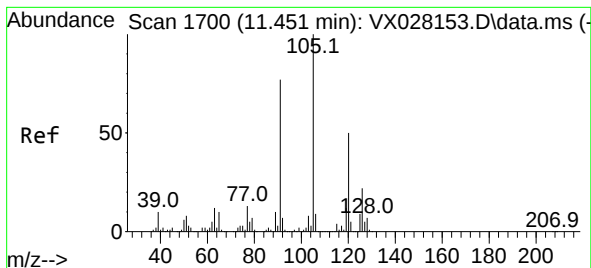
Tgt Ion: 75 Resp: 157808

Ion Ratio Lower Upper

75 100

77 1.0 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.329 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028181.D

Acq: 19 Apr 2022 23:58

Instrument :

MSVOA_X

ClientSampleId :

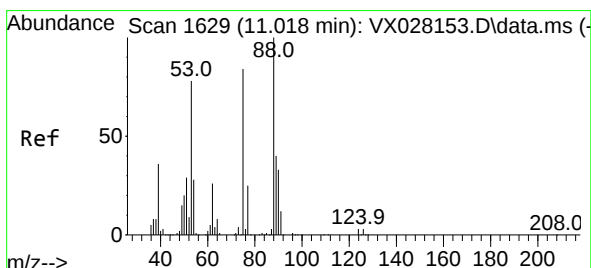
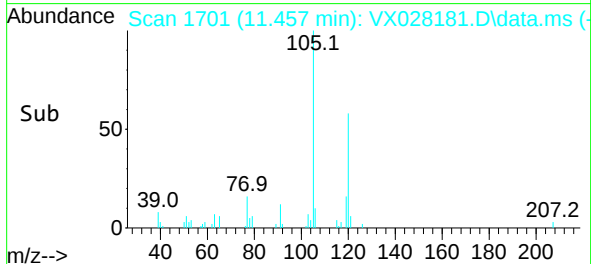
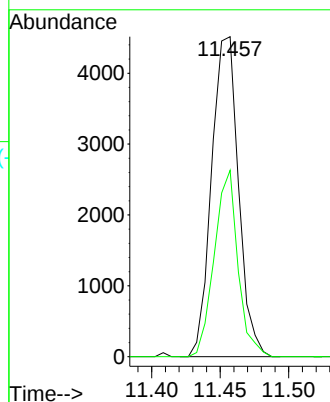
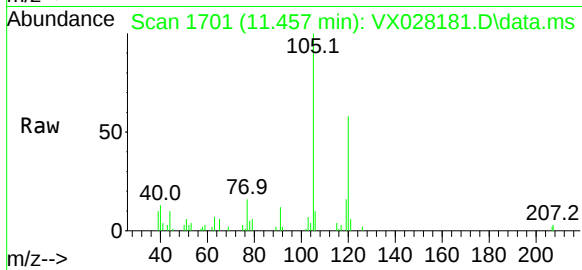
PB144164ZHE#11

Tgt Ion:105 Resp: 6163

Ion Ratio Lower Upper

105 100

120 51.0 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 74.307 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028181.D

Acq: 19 Apr 2022 23:58

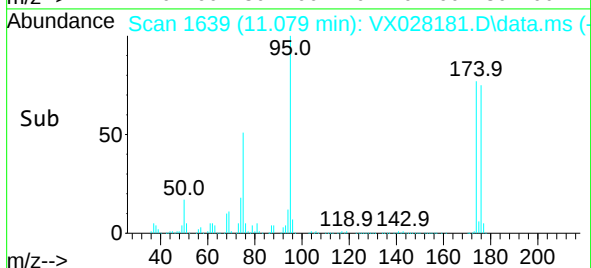
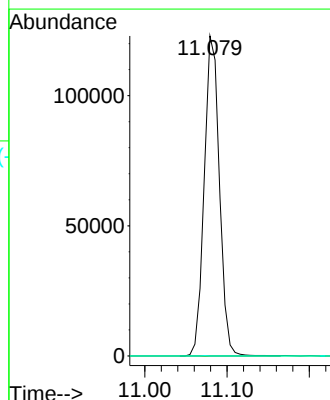
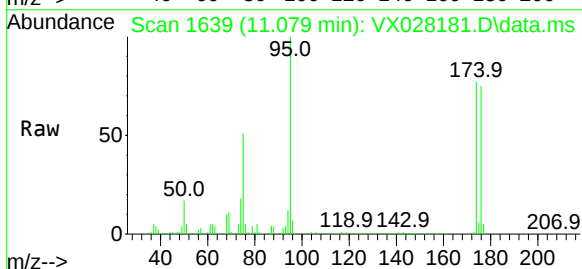
Tgt Ion: 75 Resp: 157808

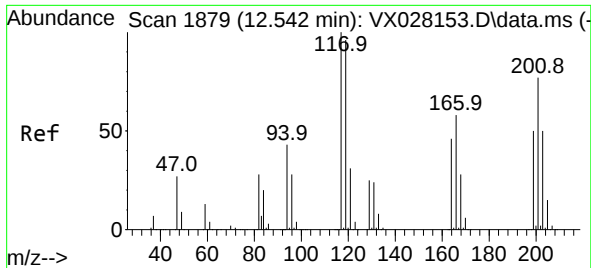
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.819 ug/l
 RT: 12.329 min Scan# 11
 Delta R.T. -0.213 min
 Lab File: VX028181.D
 Acq: 19 Apr 2022 23:58

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#11

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

