

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028219.D
 Acq On : 21 Apr 2022 00:42
 Operator : JC/MD
 Sample : PB144231ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#01

Quant Time: Apr 21 06:20:34 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)

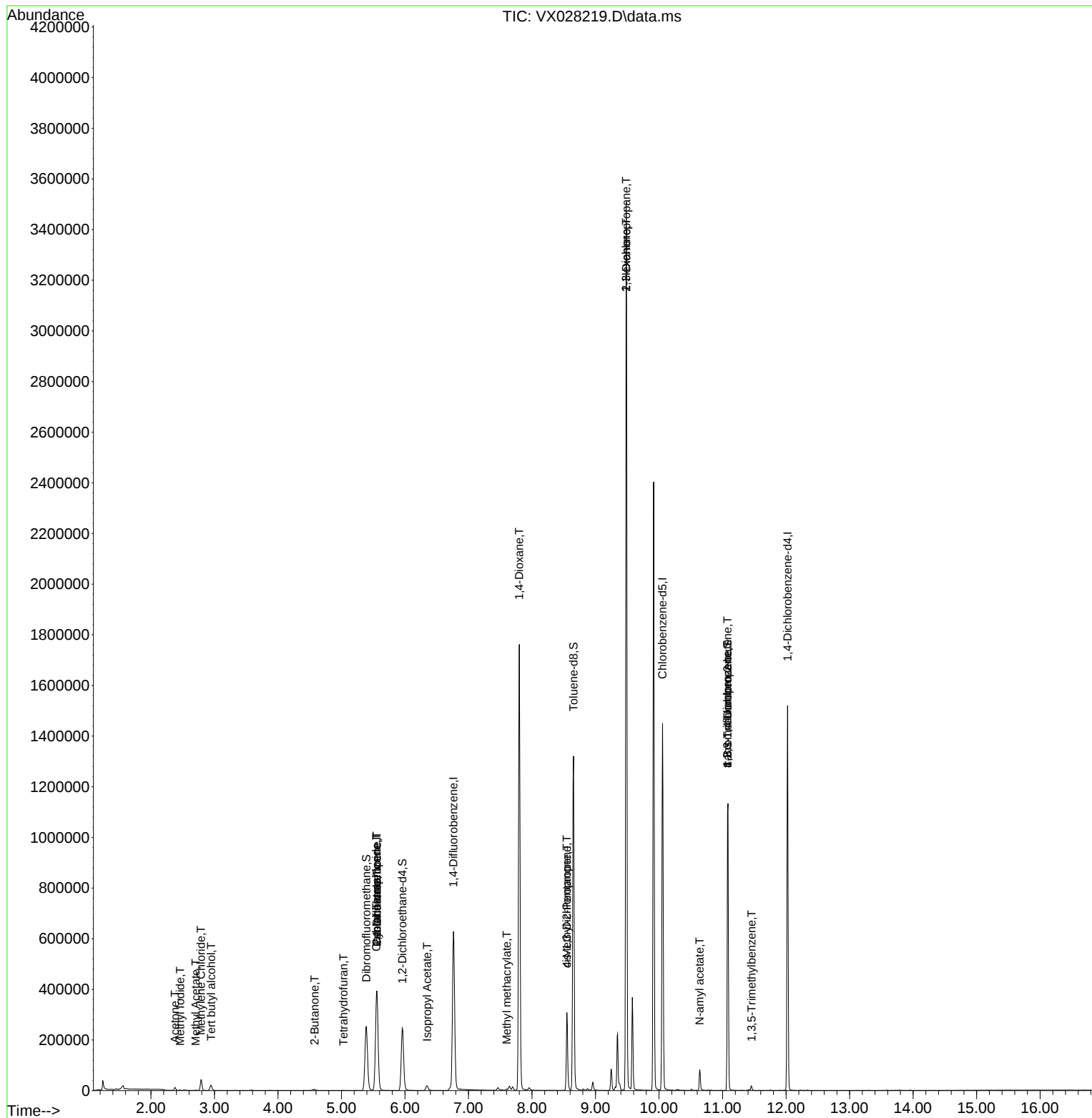
Internal Standards						
1) Pentafluorobenzene	5.556	168	383762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	666464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	676054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	311203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	236106	47.185	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.380%		
35) Dibromofluoromethane	5.391	113	216352	46.290	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.580%		
50) Toluene-d8	8.653	98	806265	44.914	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.820%		
62) 4-Bromofluorobenzene	11.079	95	300026	43.711	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.420%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	514	Below Cal	#	65
5) Bromomethane	1.611	94	1046	Below Cal		99
6) Chloroethane	1.691	64	967	Below Cal	#	43
10) Methyl Iodide	2.459	142	1343	5.517	ug/l #	88
11) Tert butyl alcohol	2.947	59	11174	1.798	ug/l #	75
16) Acetone	2.380	43	12596	6.884	ug/l	94
18) Methyl Acetate	2.703	43	1746	0.392	ug/l	98
20) Methylene Chloride	2.788	84	20827	5.610	ug/l	94
25) 2-Butanone	4.574	43	2525	0.852	ug/l	98
29) Tetrahydrofuran	5.032	42	391	0.202	ug/l #	62
31) Cyclohexane	5.556	56	7505	1.231	ug/l #	13
36) 1,1-Dichloropropene	5.556	75	28187	4.623	ug/l #	51
38) Carbon Tetrachloride	5.550	117	38958	5.661	ug/l #	16
43) Isopropyl Acetate	6.348	43	25307	2.514	ug/l	97
48) Methyl methacrylate	7.604	41	7139	1.544	ug/l #	7
49) 1,4-Dioxane	7.799	88	324	2.620	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	95741	14.819	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	51299	6.825	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	33627	4.136	ug/l #	42
59) 2-Hexanone	9.482	43	373261	74.583	ug/l #	45
74) N-amyl acetate	10.640	43	17791	2.406	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	150333	24.545	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	7925	0.436	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	150333	72.943	ug/l #	15

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

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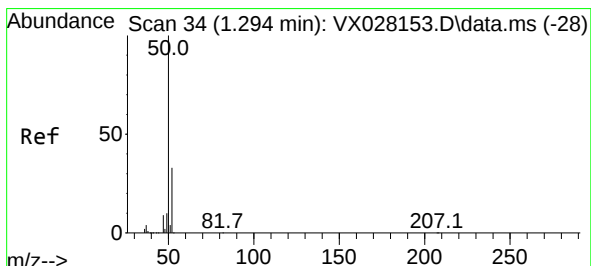
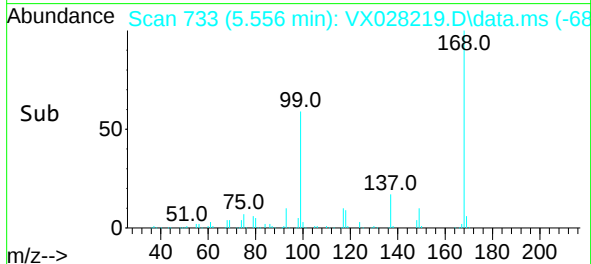
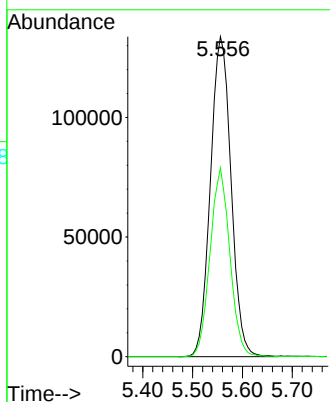
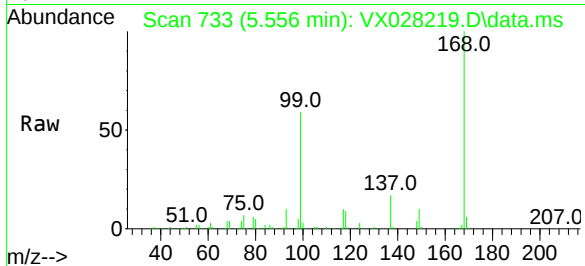




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

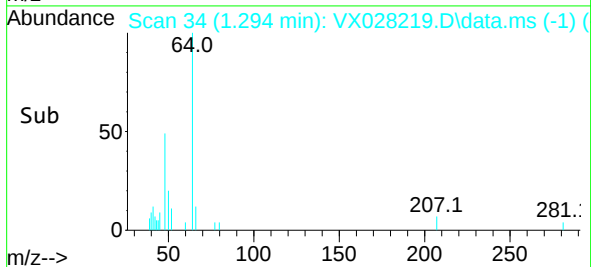
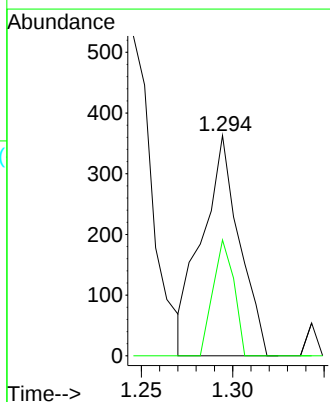
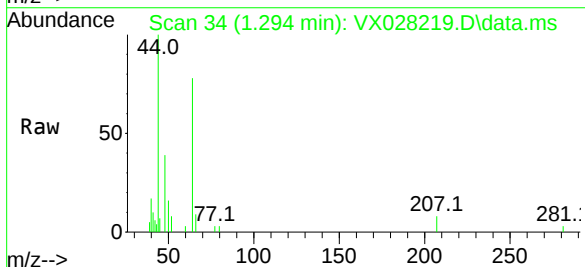
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

Tgt Ion:168 Resp: 383762
Ion Ratio Lower Upper
168 100
99 59.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 50 Resp: 514
Ion Ratio Lower Upper
50 100
52 52.6 26.4 39.6#

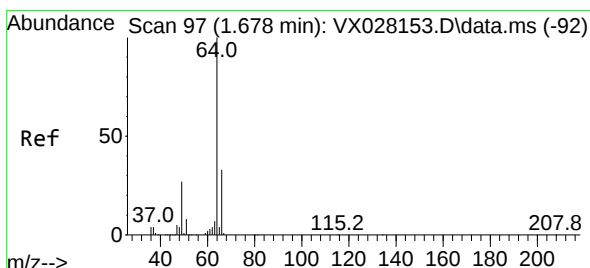
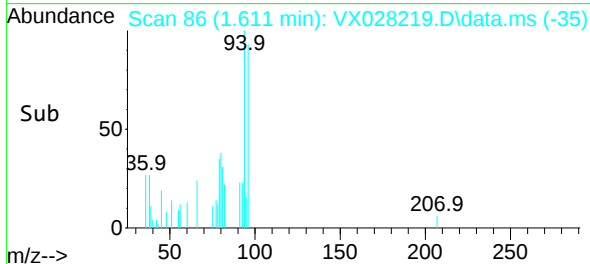
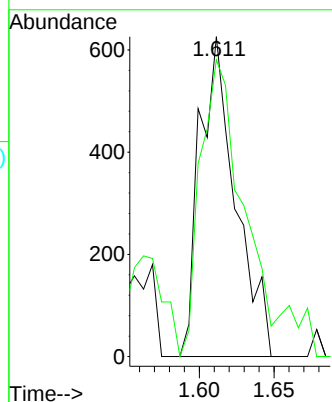
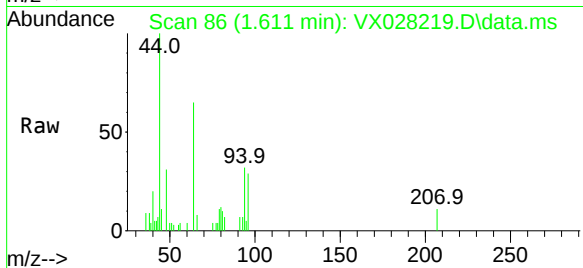




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

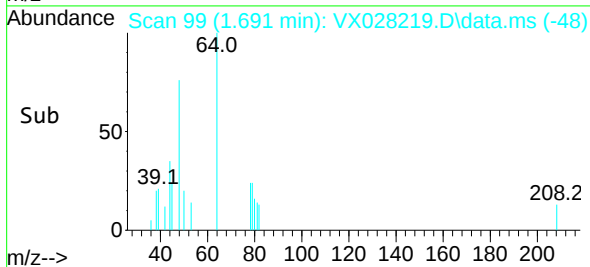
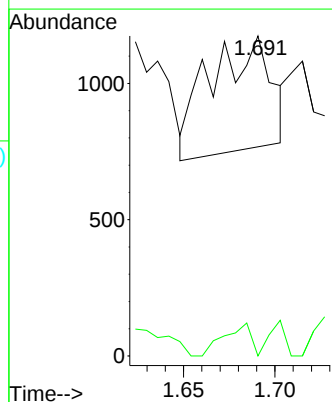
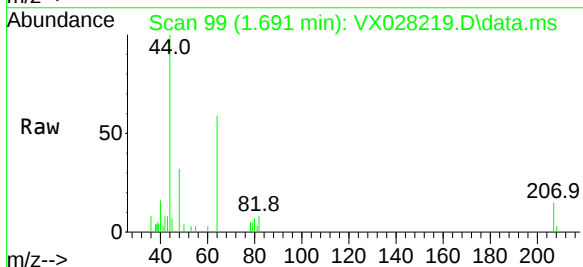
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

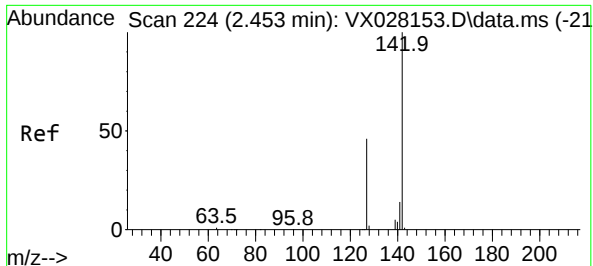
Tgt Ion: 94 Resp: 1046
Ion Ratio Lower Upper
94 100
96 92.8 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

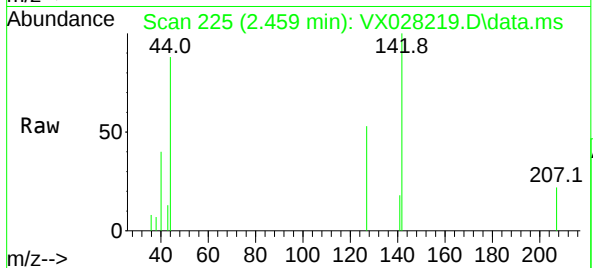
Tgt Ion: 64 Resp: 967
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



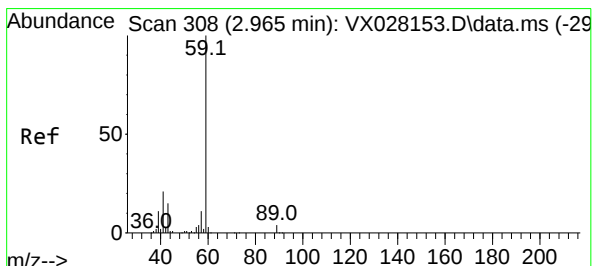
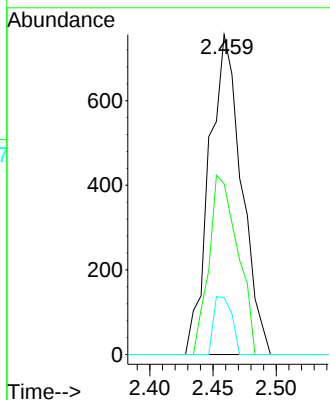
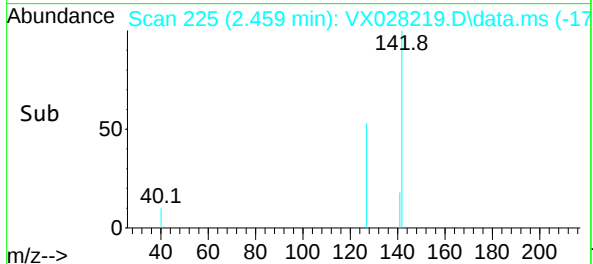


#10
Methyl Iodide
Concen: 5.517 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

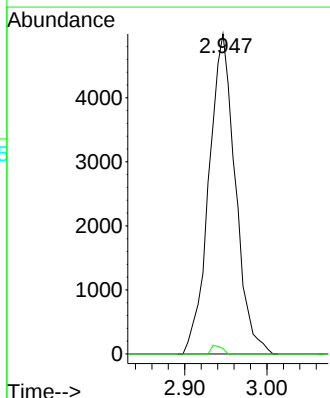
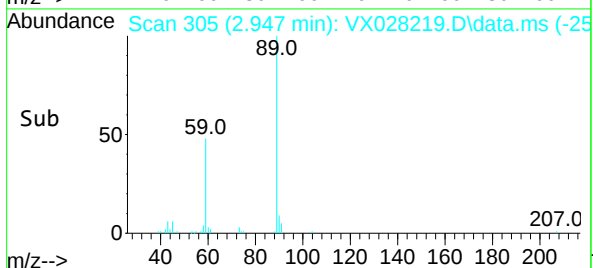
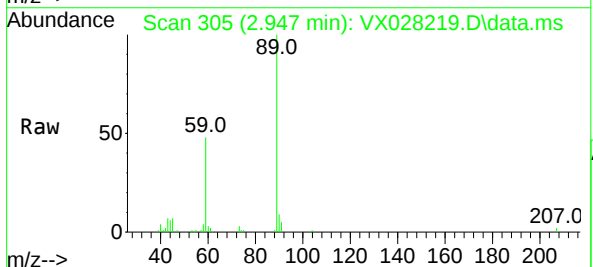


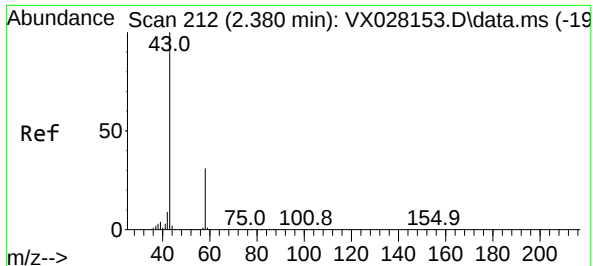
Tgt Ion:142 Resp: 1343
Ion Ratio Lower Upper
142 100
127 50.0 33.9 50.9
141 10.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.798 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 59 Resp: 11174
Ion Ratio Lower Upper
59 100
57 1.1 8.3 12.5#

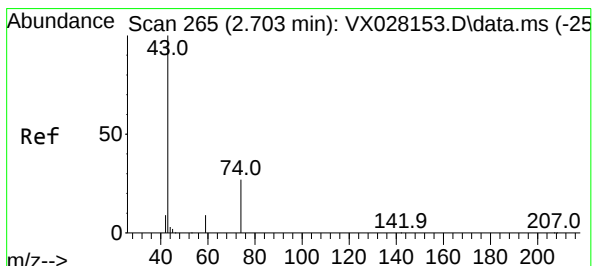
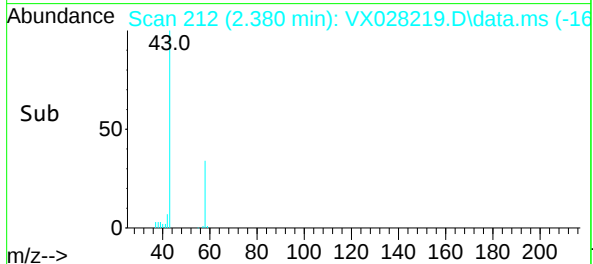
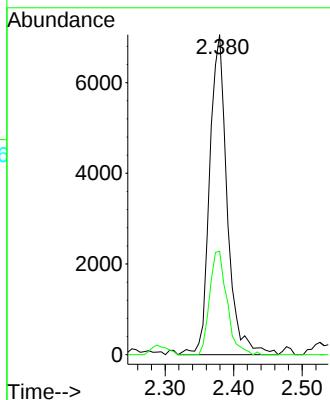
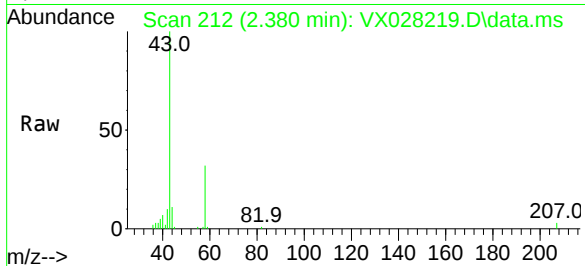




#16
Acetone
Concen: 6.884 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

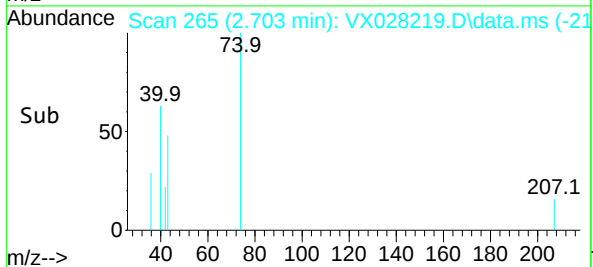
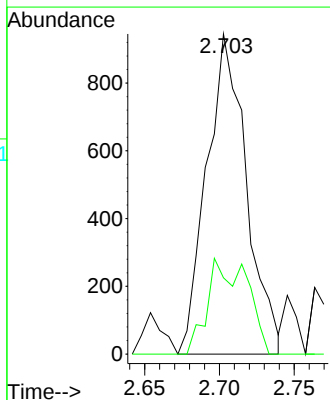
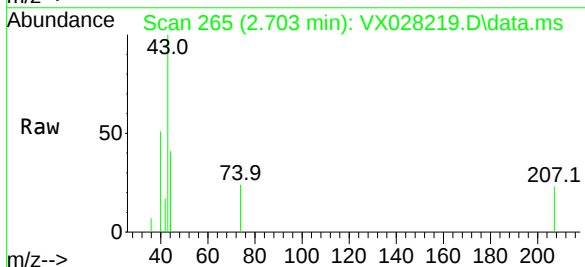
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

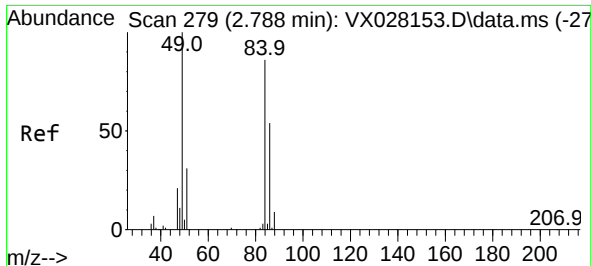
Tgt Ion: 43 Resp: 12596
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.392 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

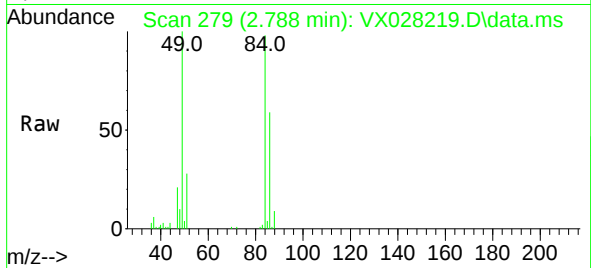
Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
74 29.8 22.8 34.2



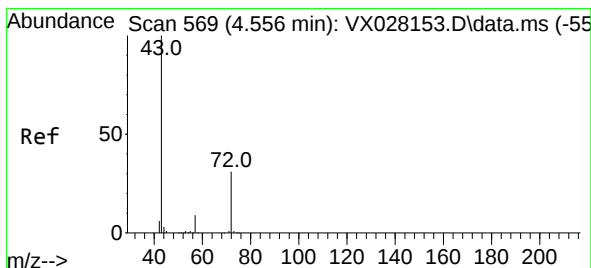
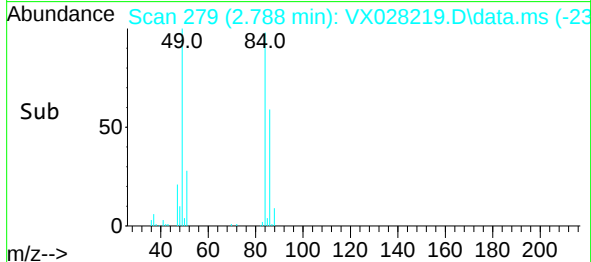
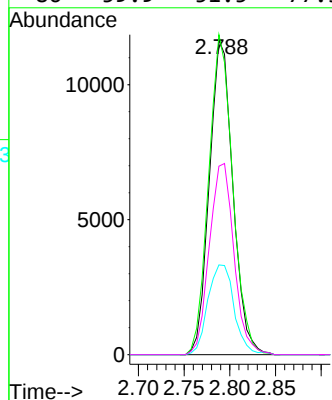


#20
Methylene Chloride
Concen: 5.610 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

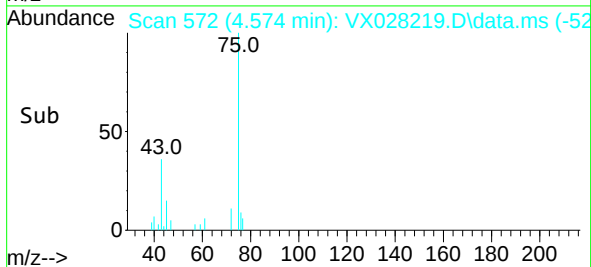
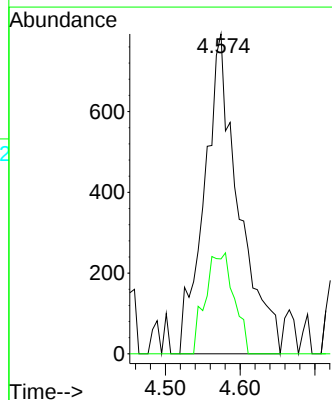
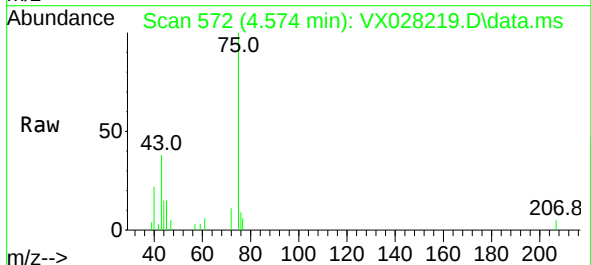


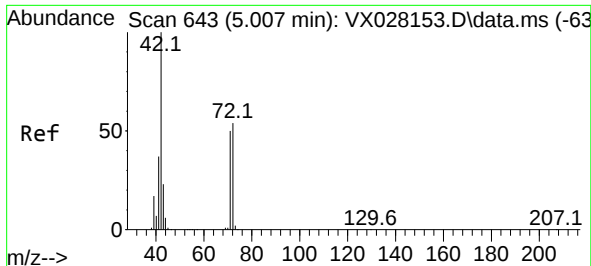
Tgt Ion:	84	Resp:	20827
Ion	Ratio	Lower	Upper
84	100		
49	101.7	85.5	128.3
51	28.5	26.6	39.8
86	59.9	51.5	77.3



#25
2-Butanone
Concen: 0.852 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion:	43	Resp:	2525
Ion	Ratio	Lower	Upper
43	100		
72	29.7	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#01

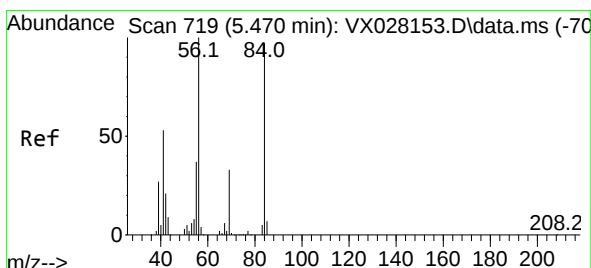
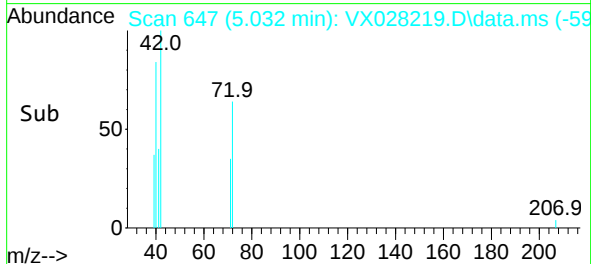
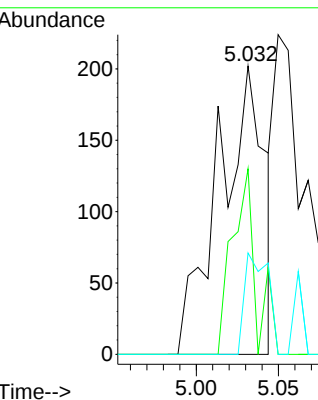
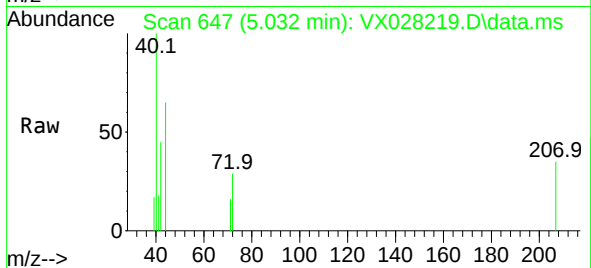
Tgt Ion: 42 Resp: 391

Ion Ratio Lower Upper

42 100

72 33.2 44.1 66.1#

71 18.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.231 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

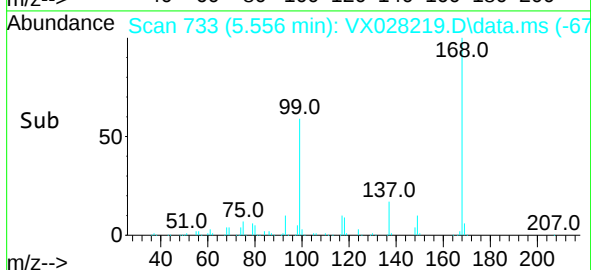
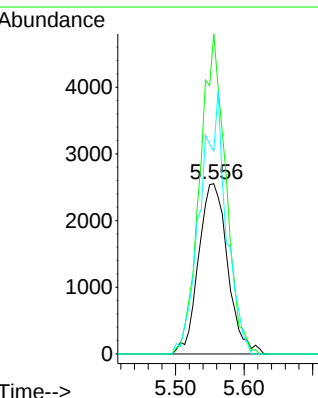
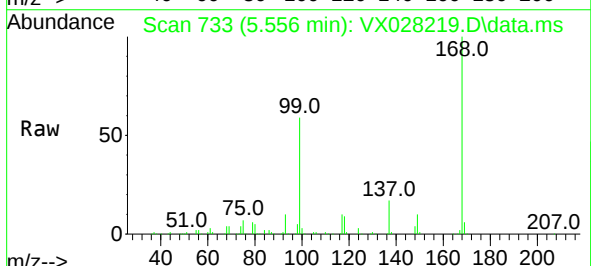
Tgt Ion: 56 Resp: 7505

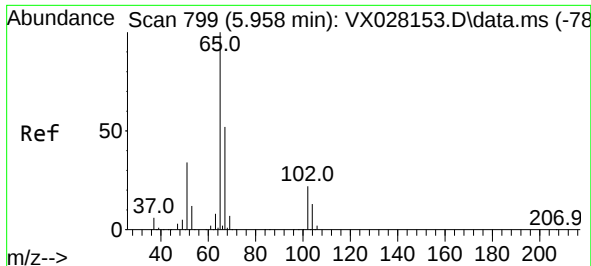
Ion Ratio Lower Upper

56 100

69 188.0 26.7 40.1#

84 119.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.185 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

Instrument :

MSVOA_X

ClientSampleId :

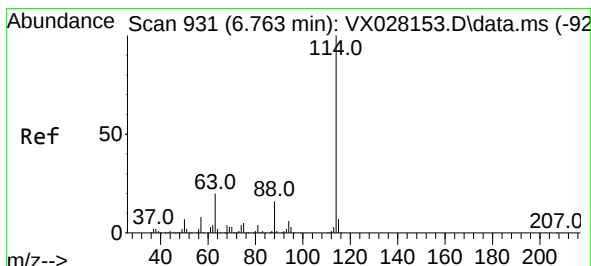
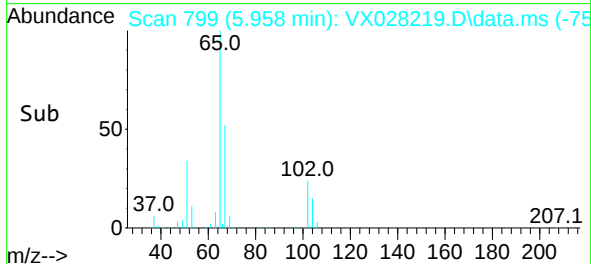
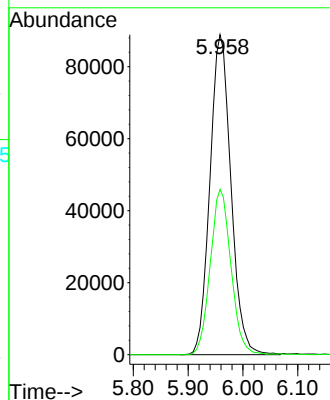
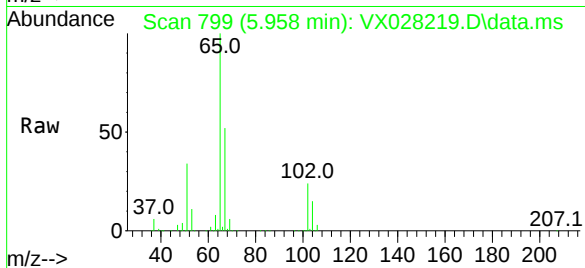
PB144231ZHE#01

Tgt Ion: 65 Resp: 236106

Ion Ratio Lower Upper

65 100

67 50.8 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

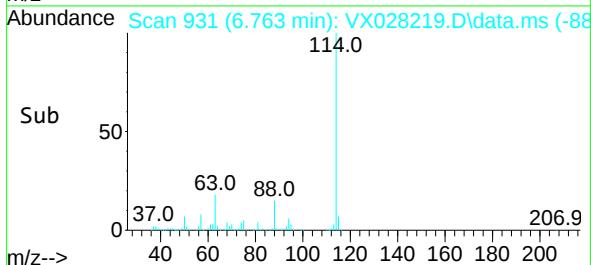
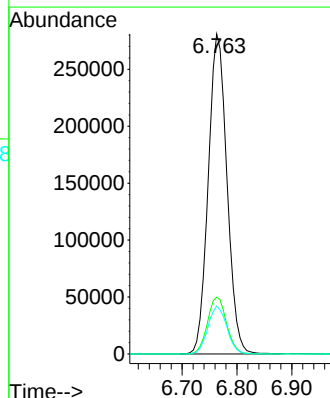
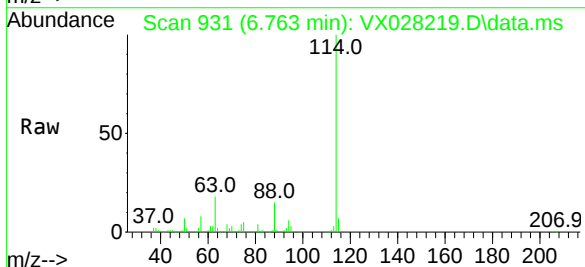
Tgt Ion: 114 Resp: 666464

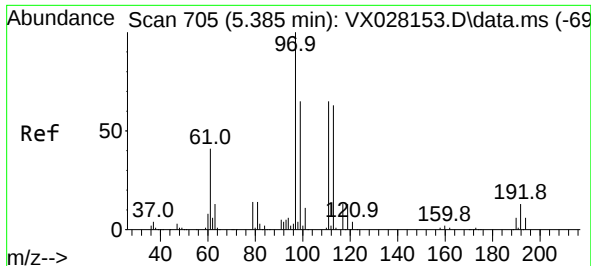
Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 14.9 0.0 32.4

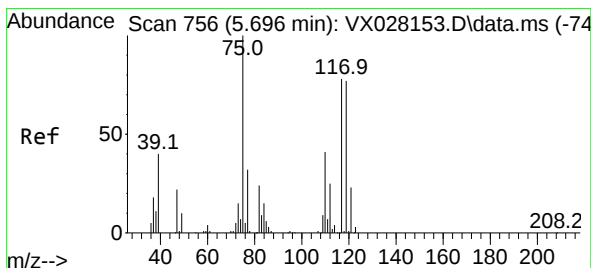
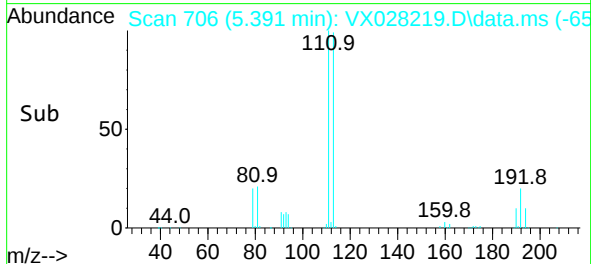
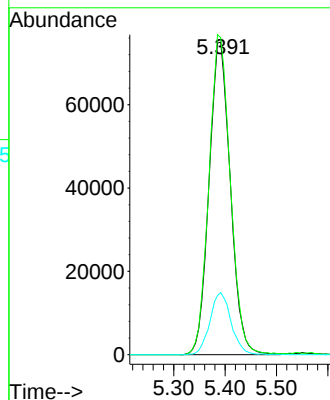
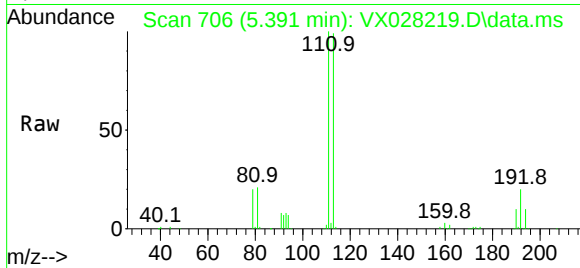




#35
Dibromofluoromethane
Concen: 46.290 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

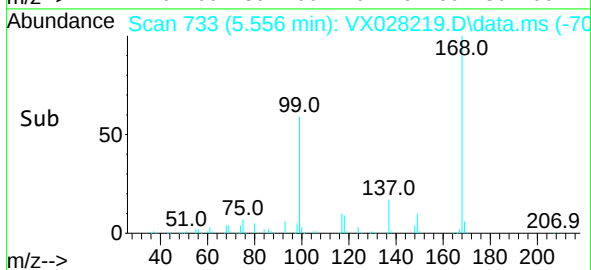
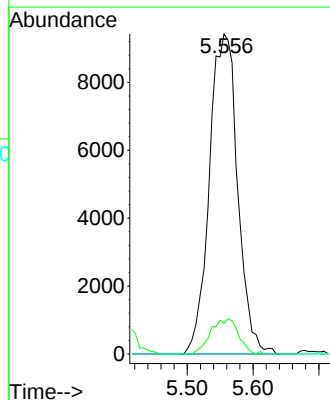
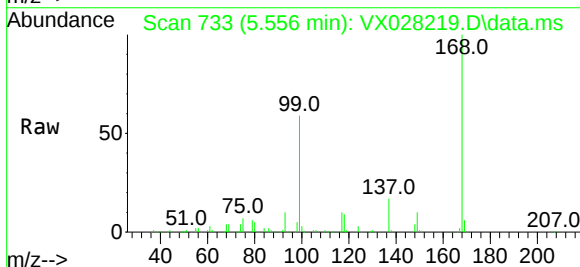
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

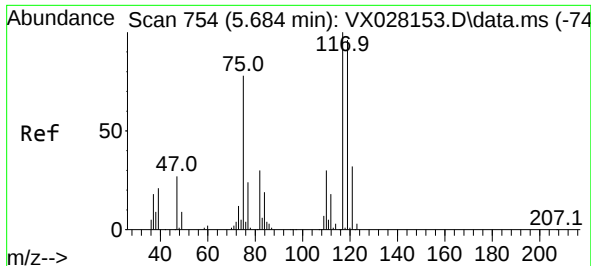
Tgt Ion:113 Resp: 216352
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 19.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.623 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 75 Resp: 28187
Ion Ratio Lower Upper
75 100
110 10.7 18.3 54.8#
77 0.0 24.8 37.2#

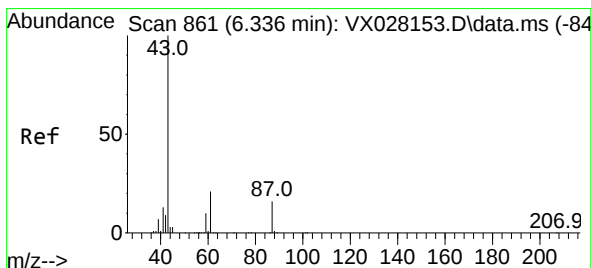
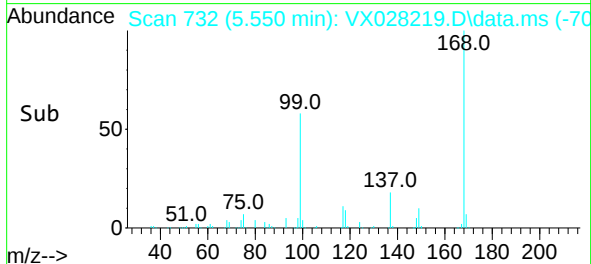
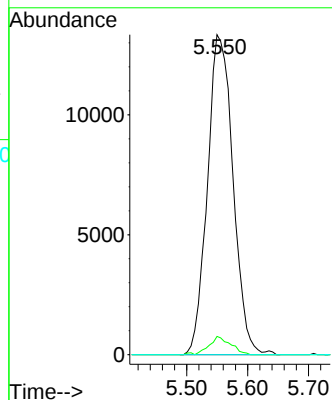
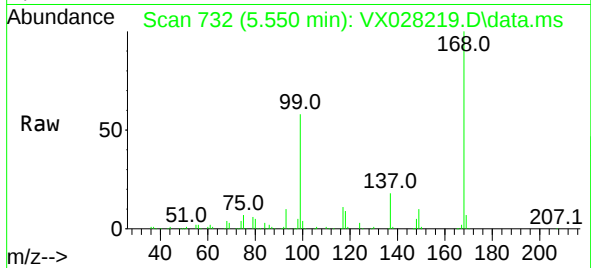




#38
Carbon Tetrachloride
Concen: 5.661 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

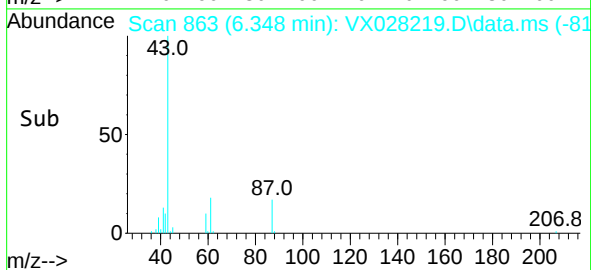
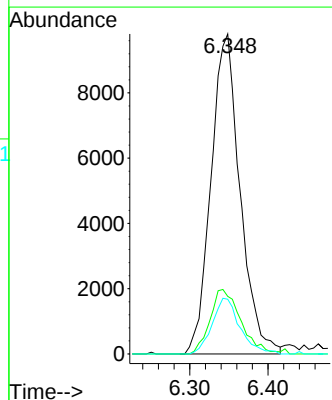
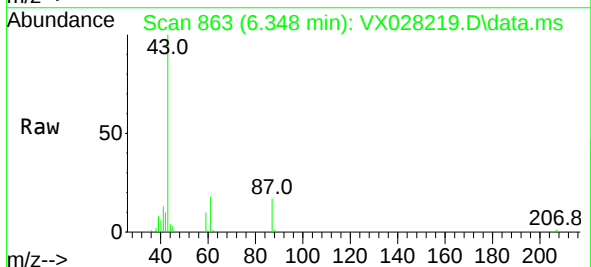
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

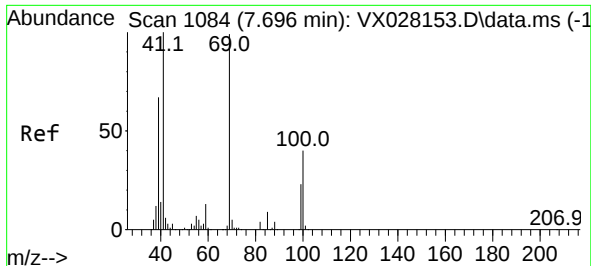
Tgt Ion:117 Resp: 38958
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.514 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 43 Resp: 25307
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.7 13.0 19.6

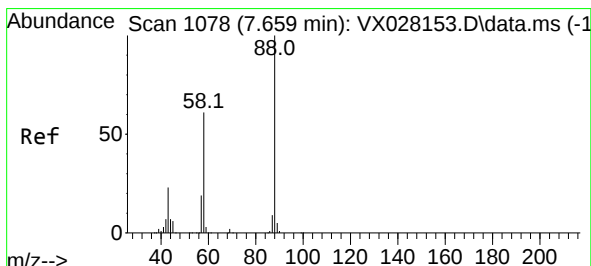
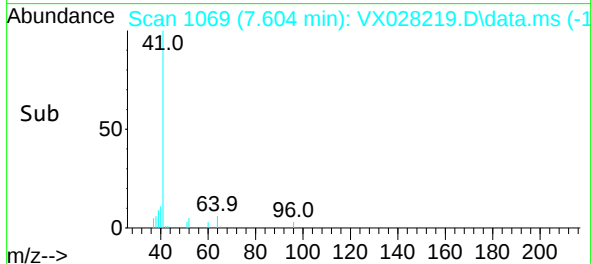
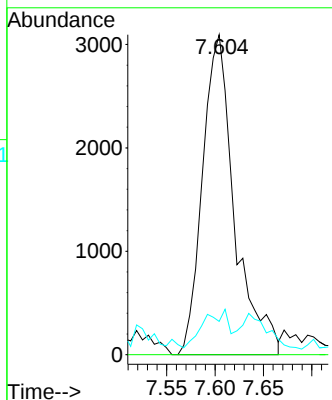
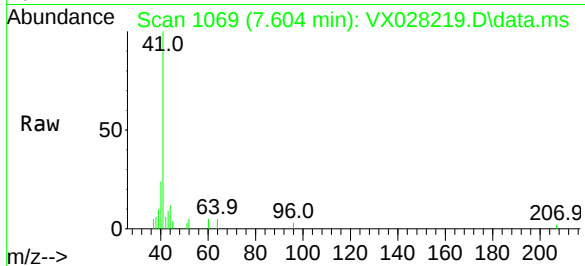




#48
Methyl methacrylate
Concen: 1.544 ug/l
RT: 7.604 min Scan# 110
Delta R.T. -0.092 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

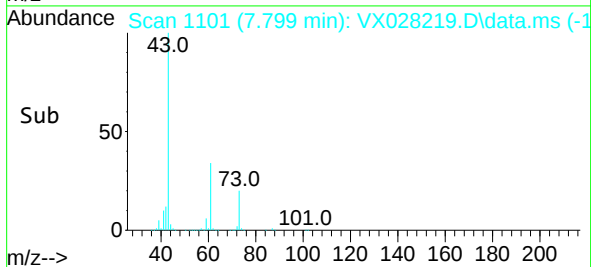
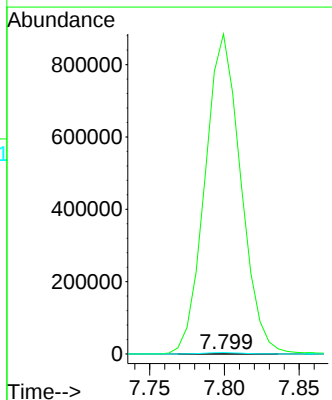
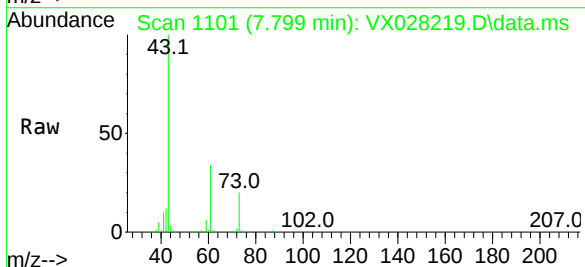
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

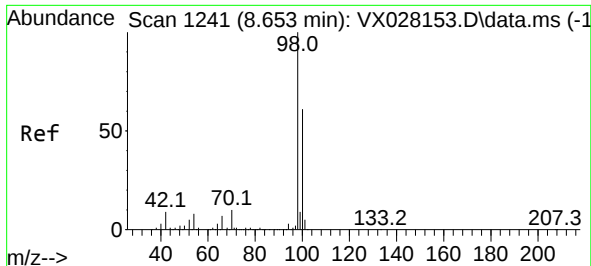
Tgt Ion: 41 Resp: 7139
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.620 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 88 Resp: 324
Ion Ratio Lower Upper
88 100
43 456748.8 21.9 32.9#
58 2105.2 53.7 80.5#

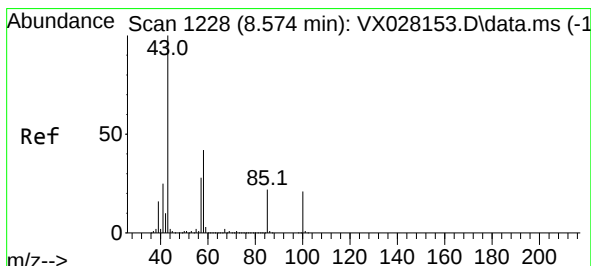
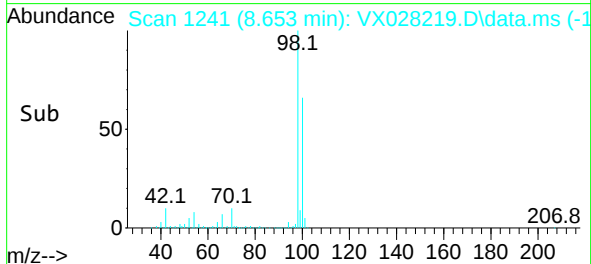
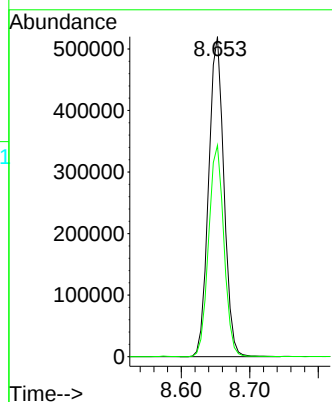
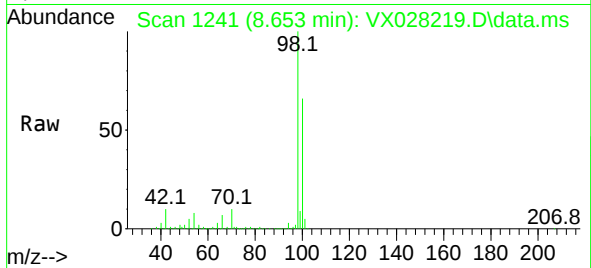




#50
Toluene-d8
Concen: 44.914 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

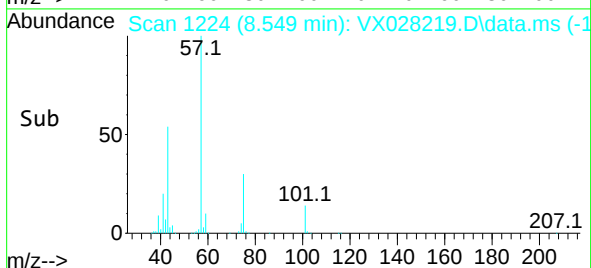
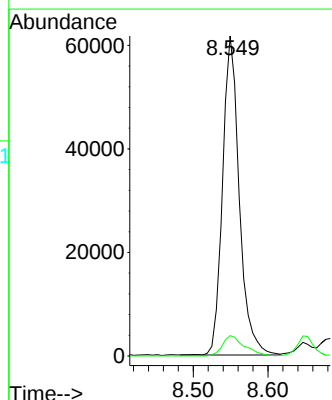
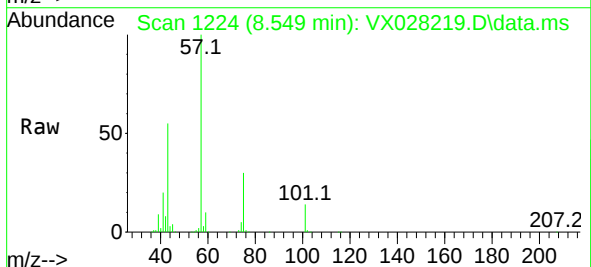
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

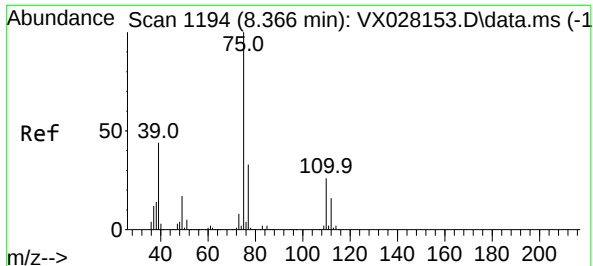
Tgt Ion: 98 Resp: 806265
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.819 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 43 Resp: 95741
Ion Ratio Lower Upper
43 100
58 8.4 36.1 54.1#

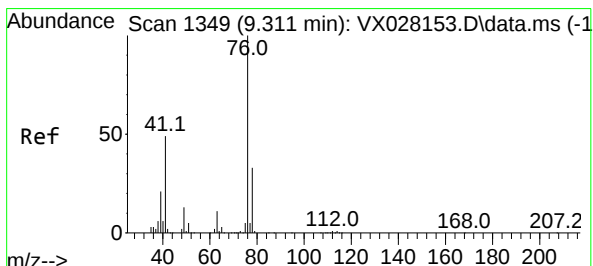
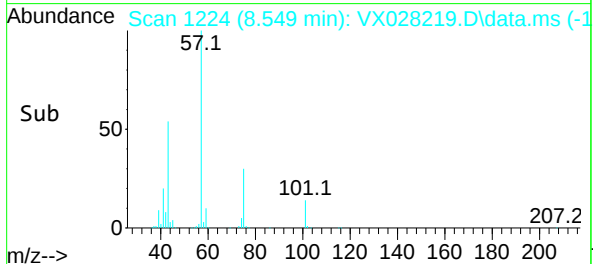
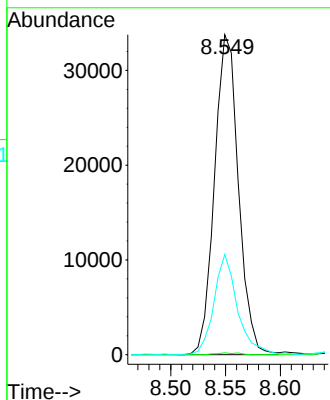
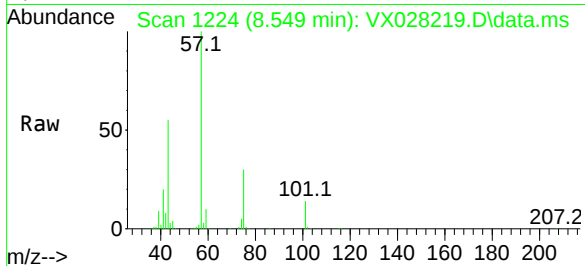




#54
cis-1,3-Dichloropropene
Concen: 6.825 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

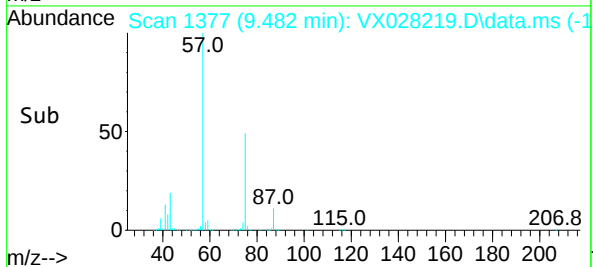
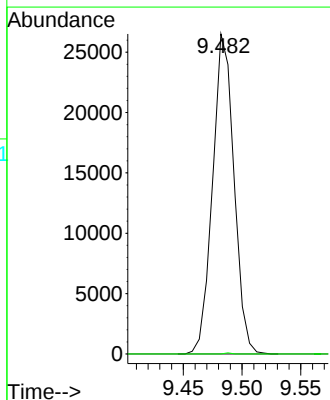
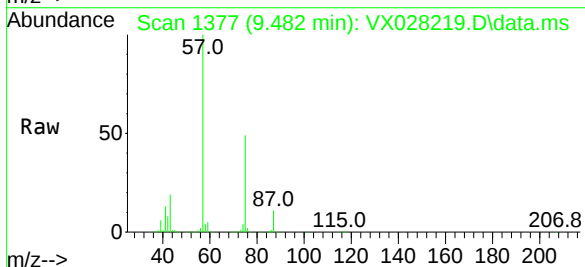
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

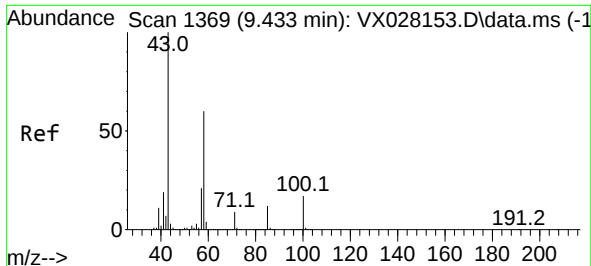
Tgt Ion: 75 Resp: 51299
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 31.3 29.6 44.4



#57
1,3-Dichloropropane
Concen: 4.136 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 76 Resp: 33627
Ion Ratio Lower Upper
76 100
78 0.1 25.8 38.8#

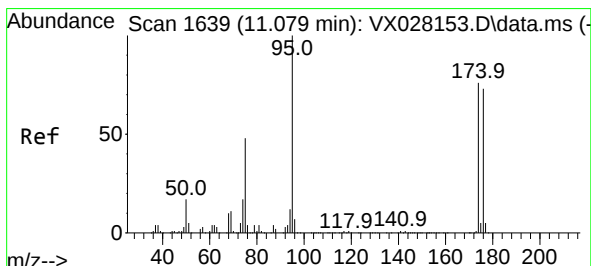
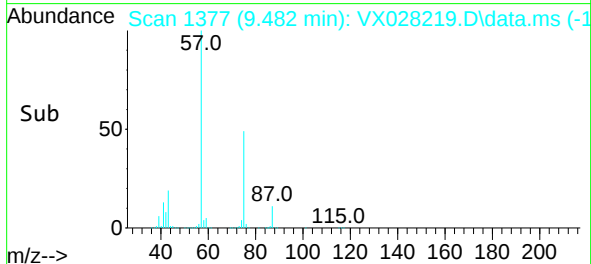
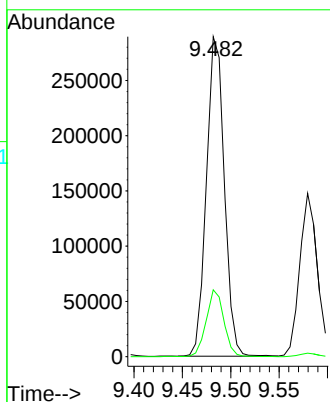
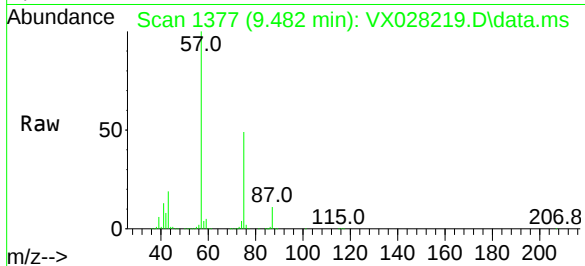




#59
2-Hexanone
Concen: 74.583 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

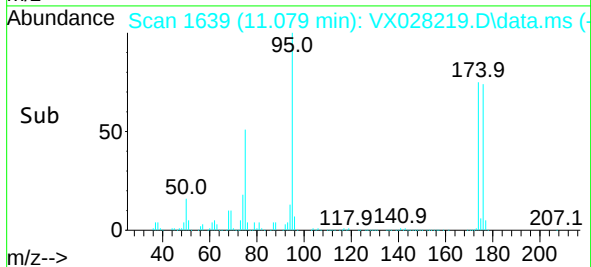
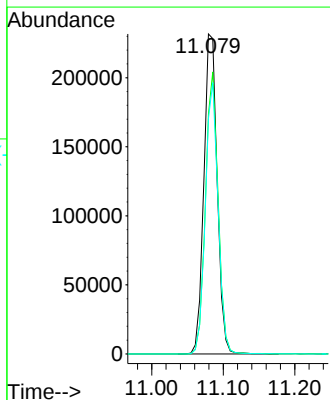
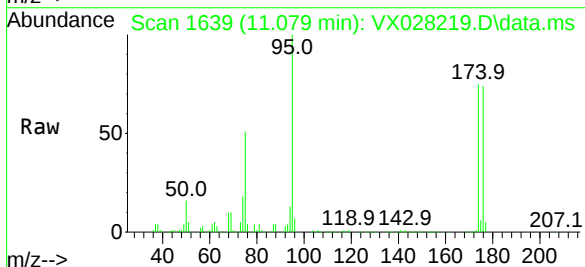
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

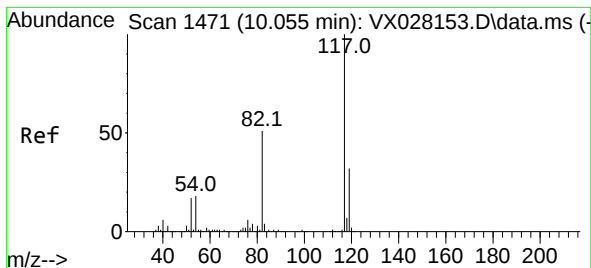
Tgt Ion: 43 Resp: 373261
Ion Ratio Lower Upper
43 100
58 20.8 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 43.711 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion: 95 Resp: 300026
Ion Ratio Lower Upper
95 100
174 83.9 0.0 163.0
176 81.2 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: VX028219.D

Acq: 21 Apr 2022 00:42

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#01

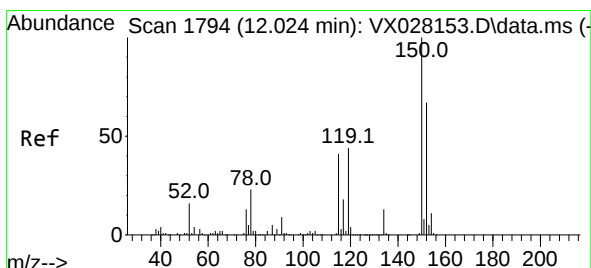
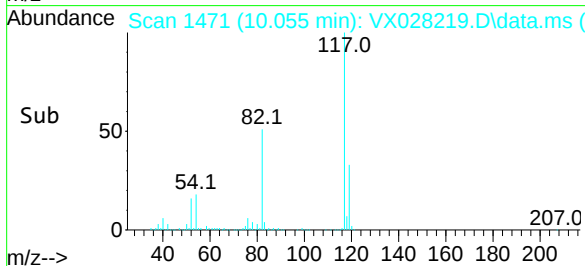
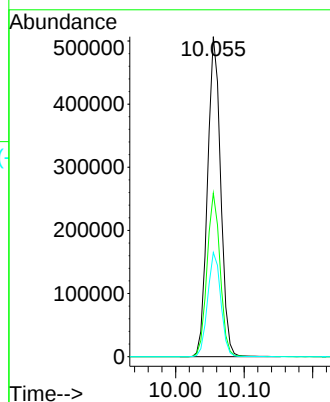
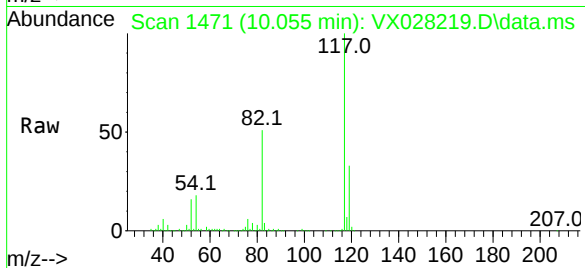
Tgt Ion:117 Resp: 676054

Ion Ratio Lower Upper

117 100

82 51.1 41.8 62.8

119 32.6 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

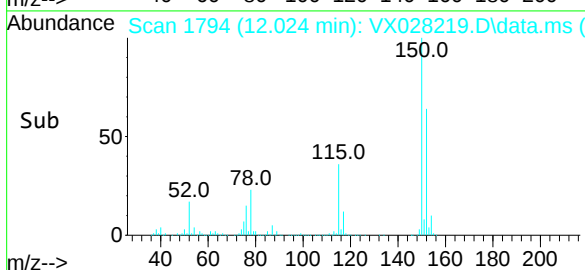
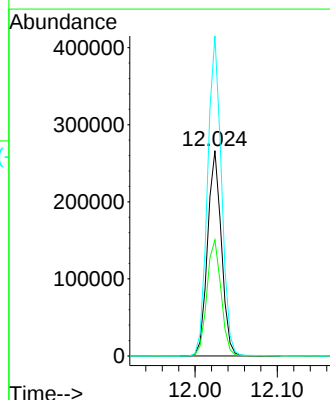
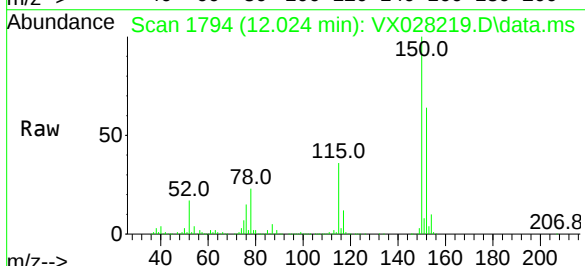
Tgt Ion:152 Resp: 311203

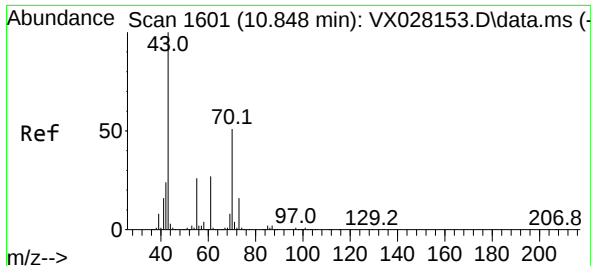
Ion Ratio Lower Upper

152 100

115 57.9 37.5 112.7

150 156.9 0.0 338.2

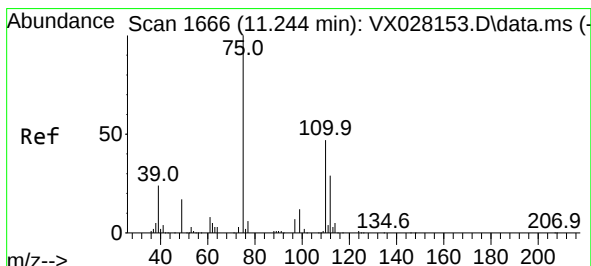
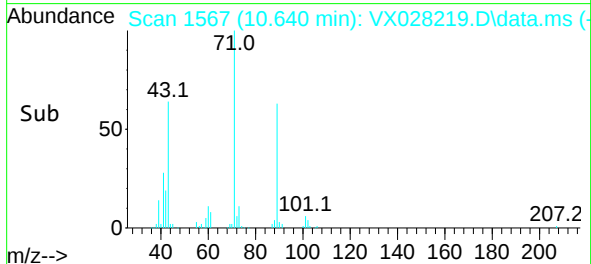
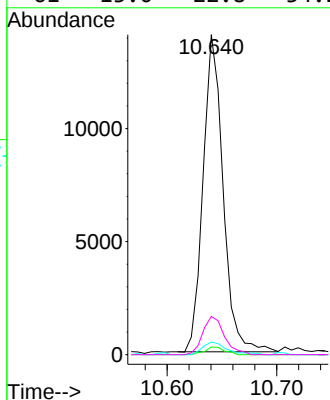
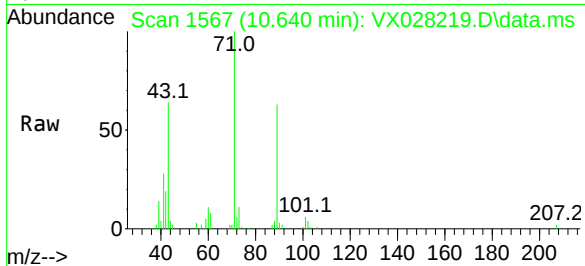




#74
N-amy1 acetate
Concen: 2.406 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.208 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

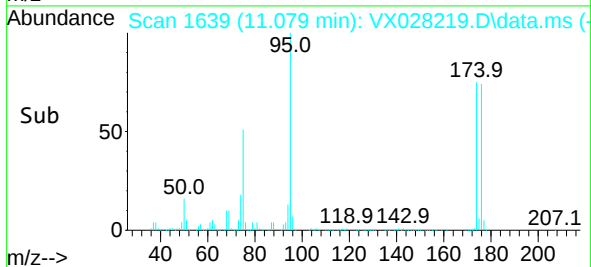
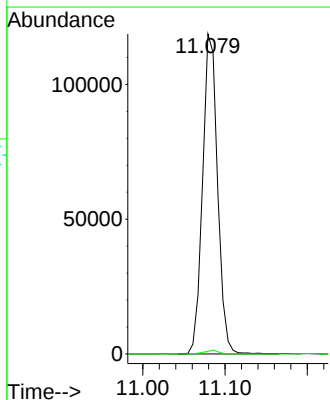
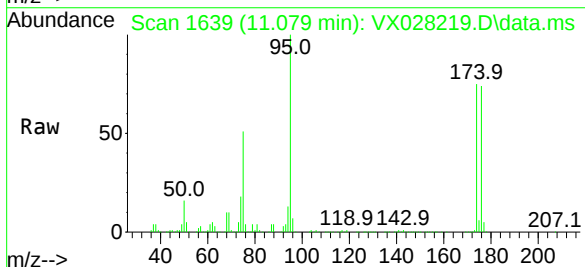
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#01

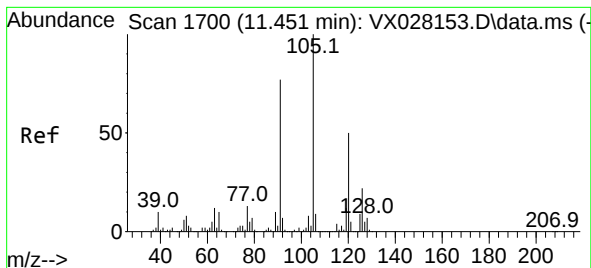
Tgt Ion:	43	Resp:	17791
Ion	Ratio	Lower	Upper
43	100		
70	2.4	42.5	63.7#
55	4.8	23.1	34.7#
61	13.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 24.545 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028219.D
Acq: 21 Apr 2022 00:42

Tgt Ion:	75	Resp:	150333
Ion	Ratio	Lower	Upper
75	100		
77	1.1	19.4	58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.436 ug/l

RT: 11.457 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

Instrument :

MSVOA_X

ClientSampleId :

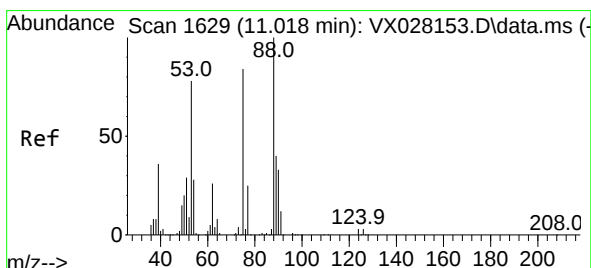
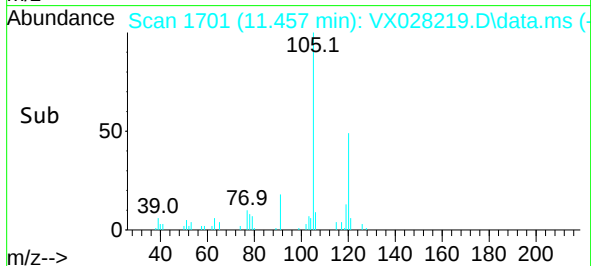
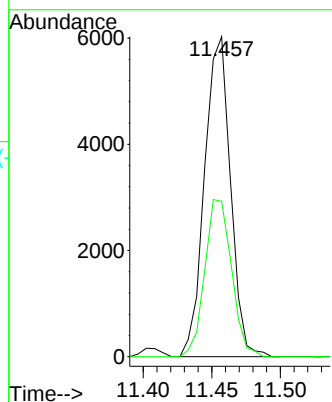
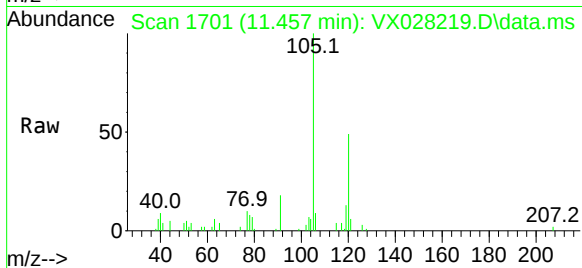
PB144231ZHE#01

Tgt Ion:105 Resp: 7925

Ion Ratio Lower Upper

105 100

120 50.8 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 72.943 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028219.D

Acq: 21 Apr 2022 00:42

Tgt Ion: 75 Resp: 150333

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

