

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028225.D
 Acq On : 21 Apr 2022 03:01
 Operator : JC/MD
 Sample : PB144231ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

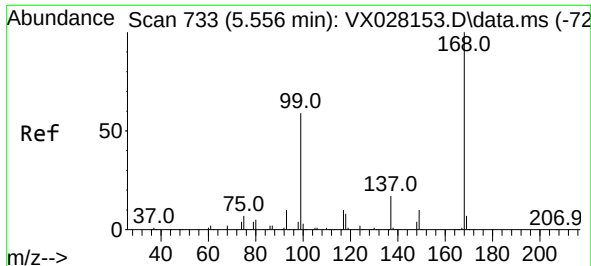
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#07

Quant Time: Apr 21 06:22:06 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	5.555	168	377875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	658016	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	672002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	299809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	233506	47.393	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.780%		
35) Dibromofluoromethane	5.391	113	214444	46.471	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.940%		
50) Toluene-d8	8.652	98	803264	45.321	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.640%		
62) 4-Bromofluorobenzene	11.085	95	299173	44.146	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.300%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	422	Below Cal		93
5) Bromomethane	1.617	94	929	Below Cal	#	75
6) Chloroethane	1.703	64	312	Below Cal	#	67
8) Diethyl Ether	2.117	74	45	Below Cal	#	1
10) Methyl Iodide	2.465	142	339	5.307	ug/l #	90
11) Tert butyl alcohol	2.946	59	12176	3.093	ug/l #	75
13) Acrolein	2.227	56	312	0.517	ug/l #	54
16) Acetone	2.379	43	25859	15.876	ug/l	93
18) Methyl Acetate	2.708	43	2302	0.525	ug/l	96
20) Methylene Chloride	2.788	84	193110	52.823	ug/l	99
25) 2-Butanone	4.568	43	4050	1.388	ug/l #	74
31) Cyclohexane	5.549	56	7559	1.259	ug/l #	27
36) 1,1-Dichloropropene	5.555	75	27824	4.622	ug/l #	50
38) Carbon Tetrachloride	5.555	117	37693	5.547	ug/l #	16
43) Isopropyl Acetate	6.342	43	27933	2.810	ug/l	98
48) Methyl methacrylate	7.598	41	7223	1.583	ug/l #	7
49) 1,4-Dioxane	7.793	88	273	2.236	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	106958	16.768	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	56984	7.679	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	38425	4.787	ug/l #	43
59) 2-Hexanone	9.482	43	424327	85.876	ug/l #	45
74) N-amyl acetate	10.640	43	20081	2.819	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	147507	24.999	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	3624	0.207	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	147507	74.291	ug/l #	15

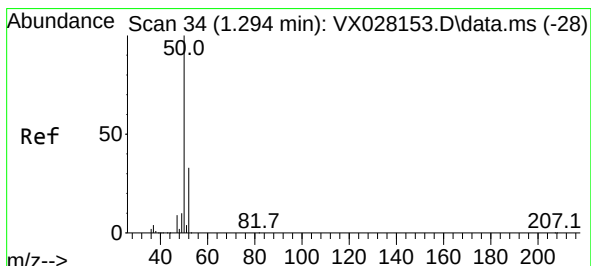
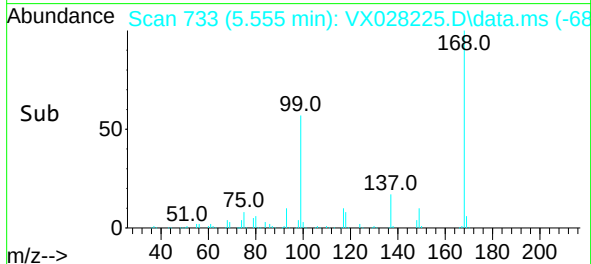
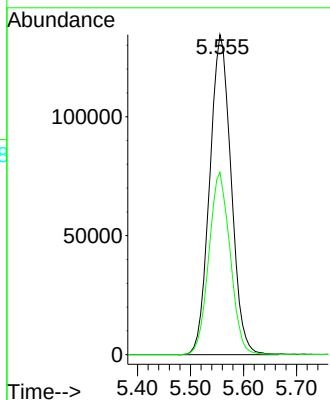
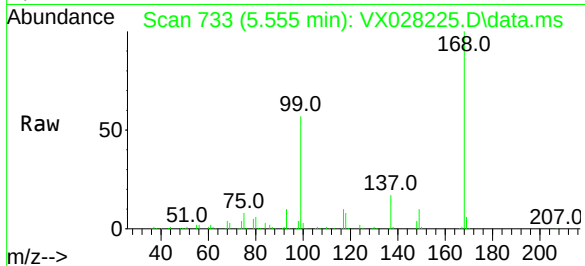
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

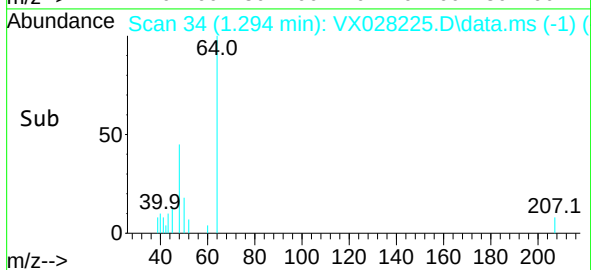
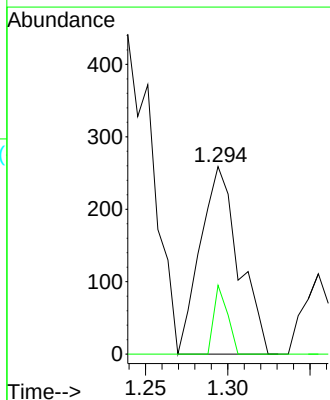
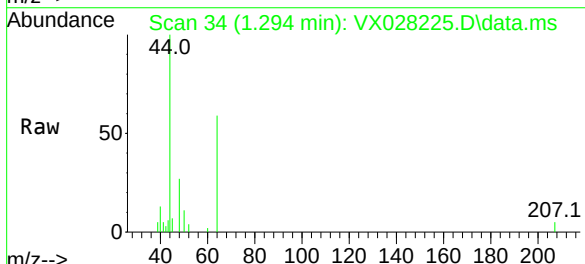
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

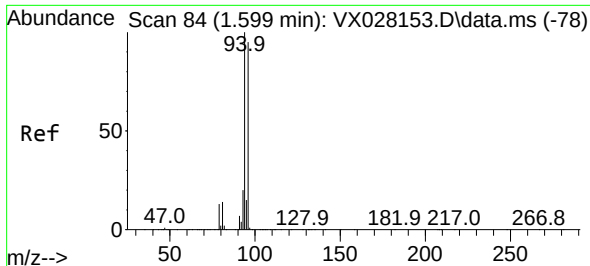
Tgt Ion:168 Resp: 377875
Ion Ratio Lower Upper
168 100
99 57.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 50 Resp: 422
Ion Ratio Lower Upper
50 100
52 36.7 26.4 39.6

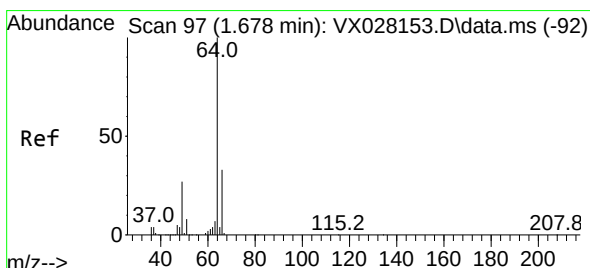
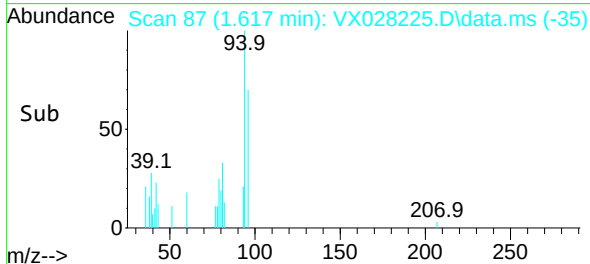
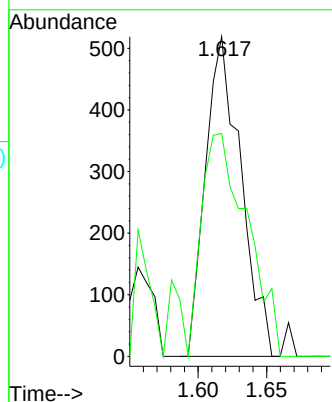
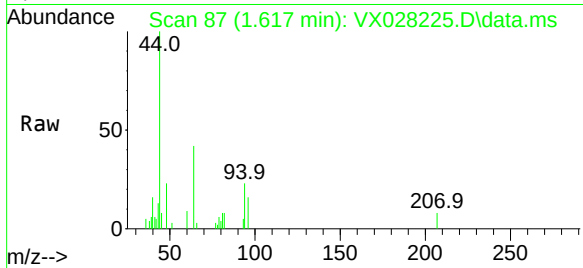




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

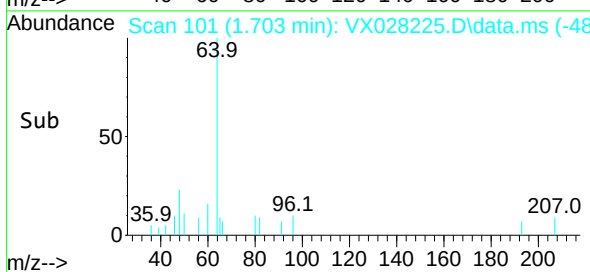
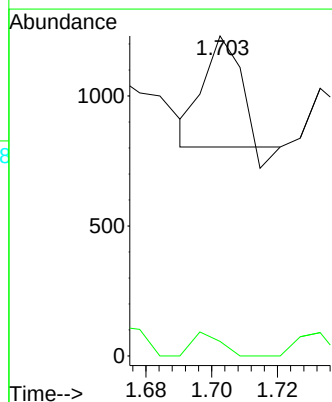
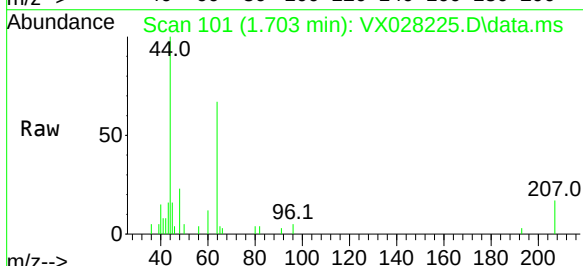
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

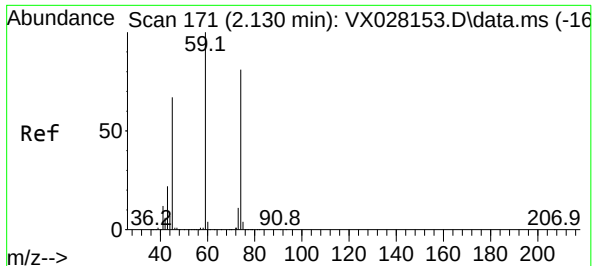
Tgt Ion: 94 Resp: 929
Ion Ratio Lower Upper
94 100
96 69.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 13.1 25.3 37.9#

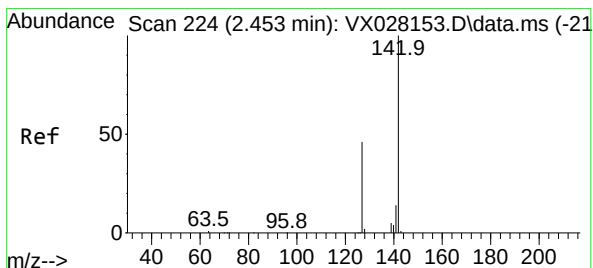
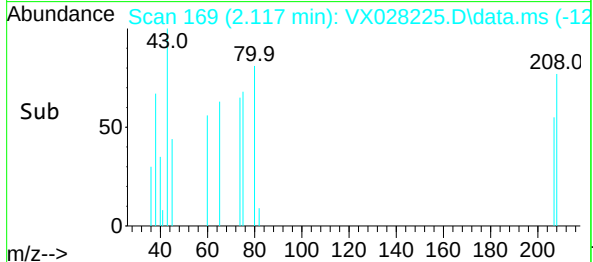
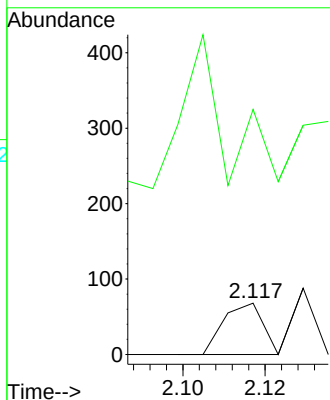
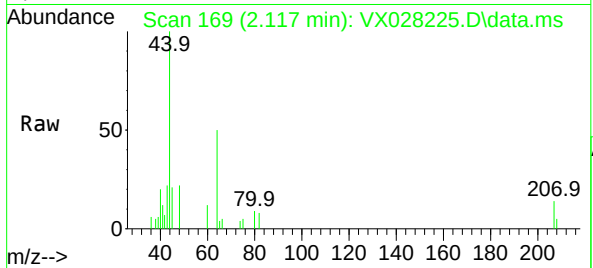




#8
Diethyl Ether
Concen: Below Cal
RT: 2.117 min Scan# 1
Delta R.T. -0.013 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

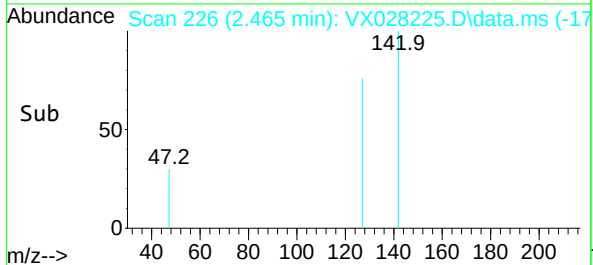
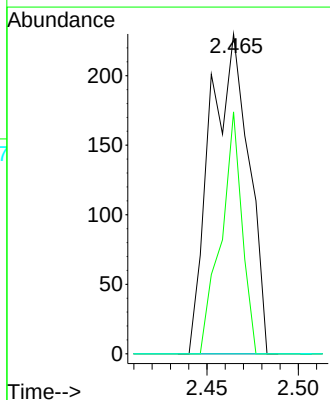
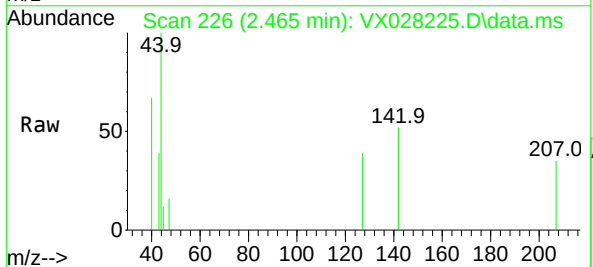
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

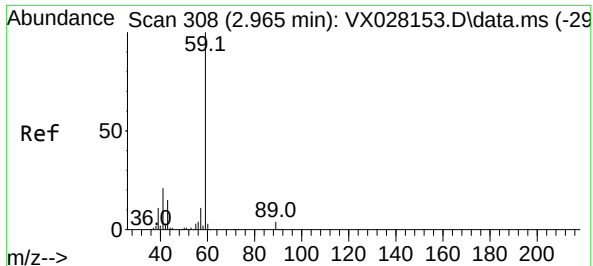
Tgt Ion: 74 Resp: 45
Ion Ratio Lower Upper
74 100
45 357.8 42.0 126.0#



#10
Methyl Iodide
Concen: 5.307 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion:142 Resp: 339
Ion Ratio Lower Upper
142 100
127 41.0 33.9 50.9
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 3.093 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.019 min

Lab File: VX028225.D

Acq: 21 Apr 2022 03:01

Instrument :

MSVOA_X

ClientSampleId :

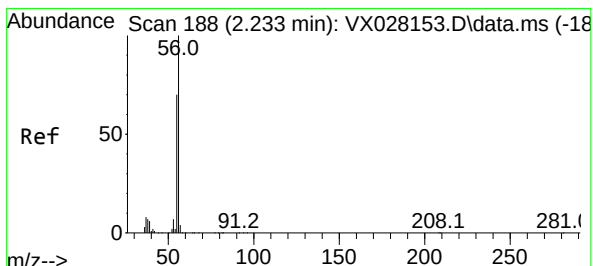
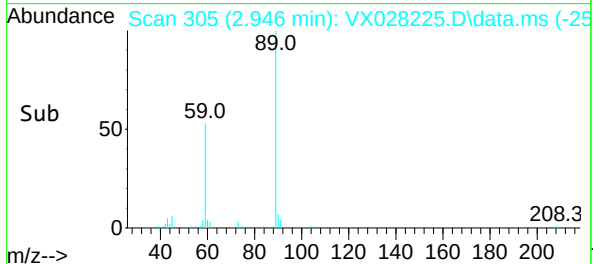
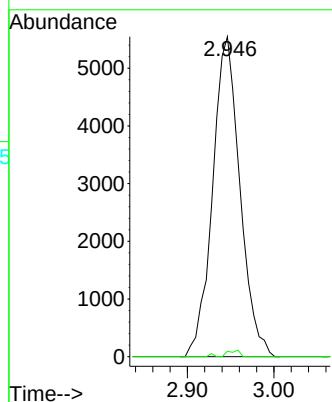
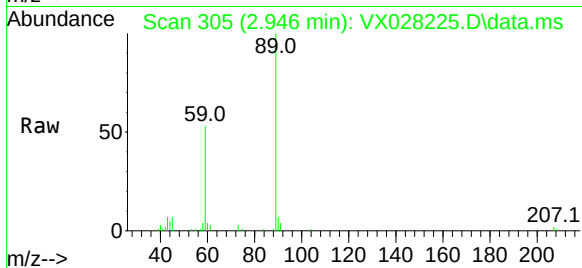
PB144231ZHE#07

Tgt Ion: 59 Resp: 12176

Ion Ratio Lower Upper

59 100

57 0.9 8.3 12.5#



#13

Acrolein

Concen: 0.517 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.006 min

Lab File: VX028225.D

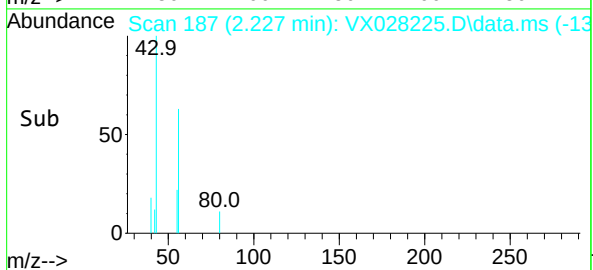
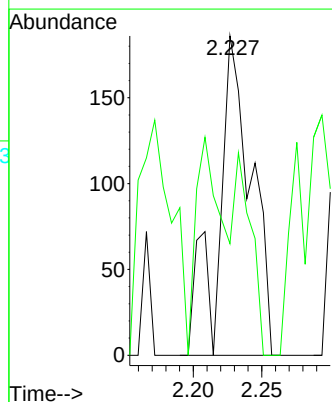
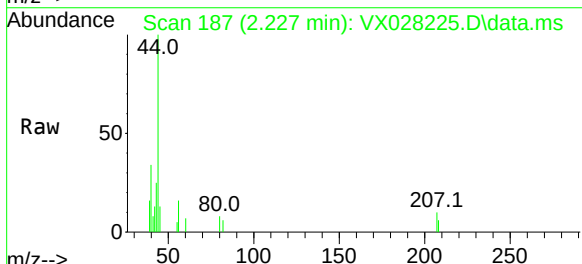
Acq: 21 Apr 2022 03:01

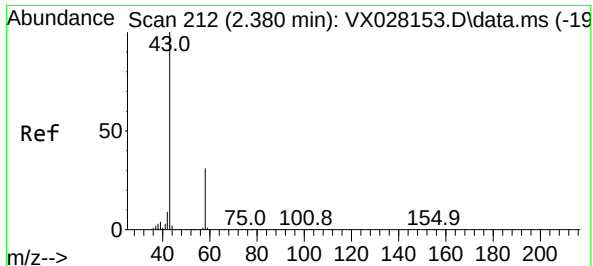
Tgt Ion: 56 Resp: 312

Ion Ratio Lower Upper

56 100

55 31.4 55.0 82.6#

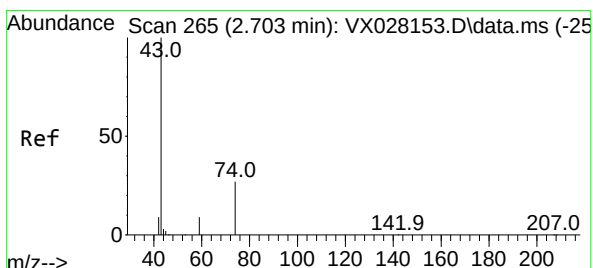
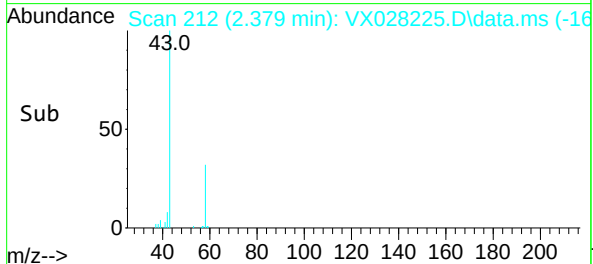
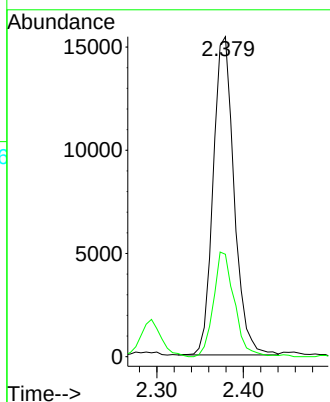
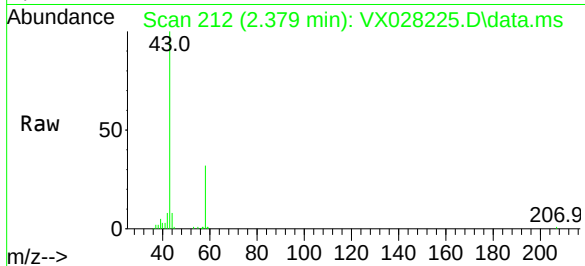




#16
Acetone
Concen: 15.876 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

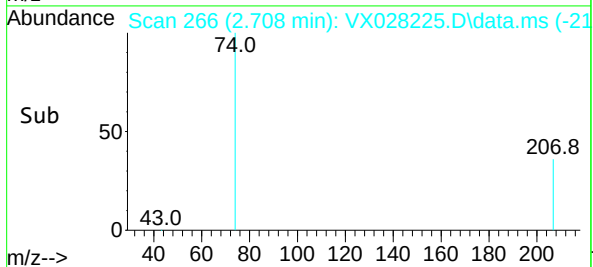
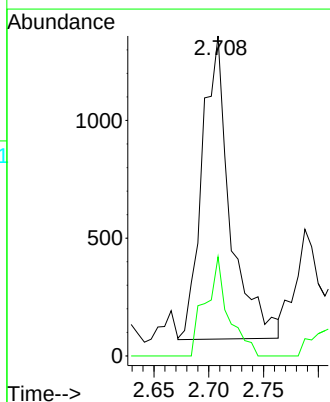
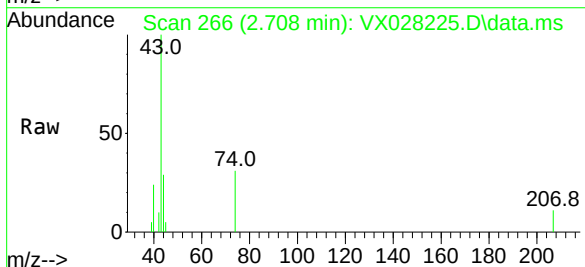
Instrument :
MSVOA_X
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PB144231ZHE#07

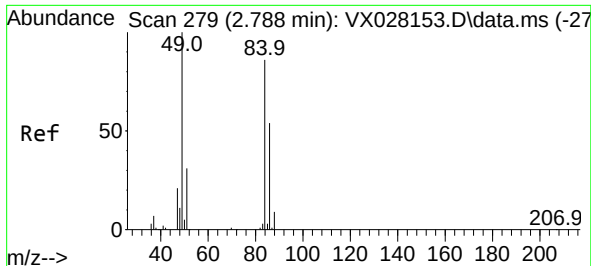
Tgt Ion: 43 Resp: 25859
Ion Ratio Lower Upper
43 100
58 31.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.525 ug/l
RT: 2.708 min Scan# 266
Delta R.T. 0.005 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

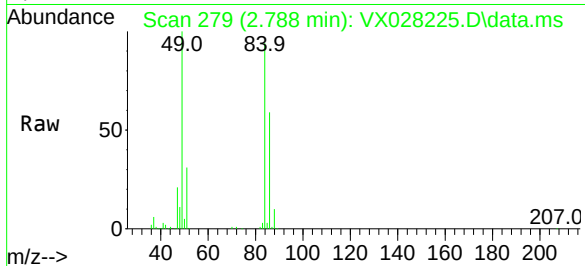
Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
74 26.5 22.8 34.2



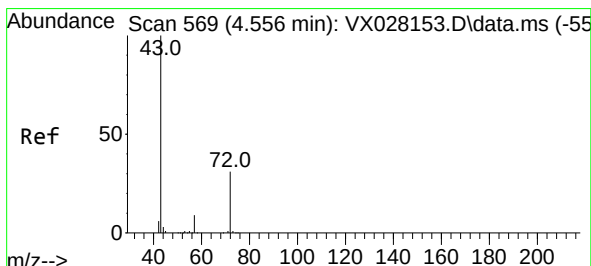
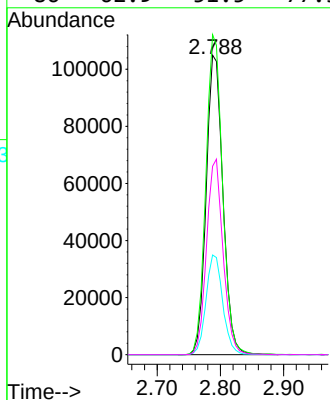
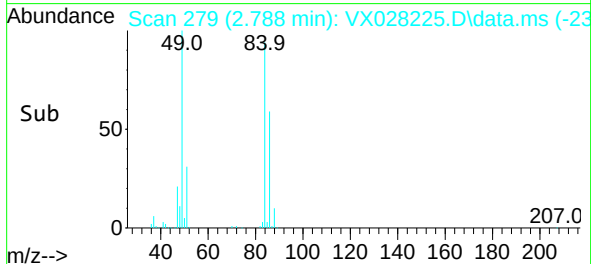


#20
Methylene Chloride
Concen: 52.823 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

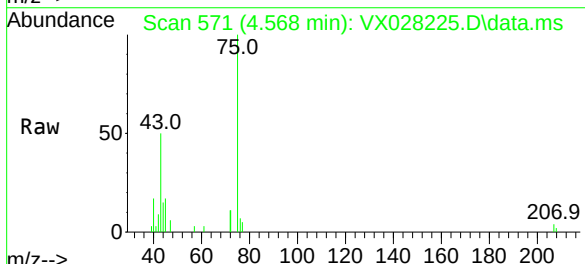
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07



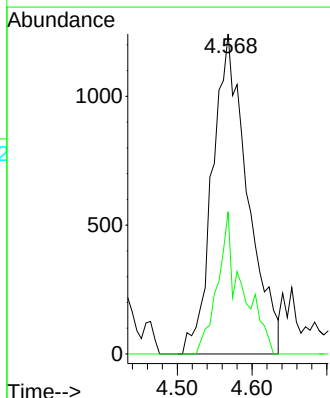
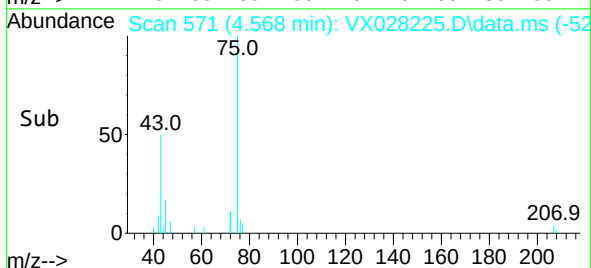
Tgt Ion: 84 Resp: 193110
Ion Ratio Lower Upper
84 100
49 106.8 85.5 128.3
51 33.3 26.6 39.8
86 62.9 51.5 77.3

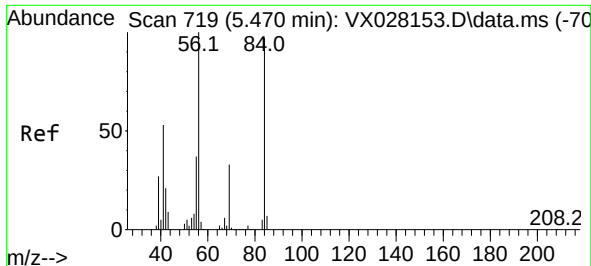


#25
2-Butanone
Concen: 1.388 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01



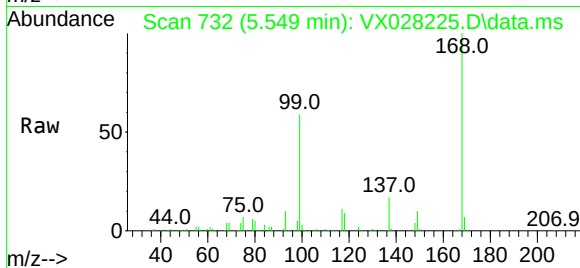
Tgt Ion: 43 Resp: 4050
Ion Ratio Lower Upper
43 100
72 44.4 24.4 36.6#



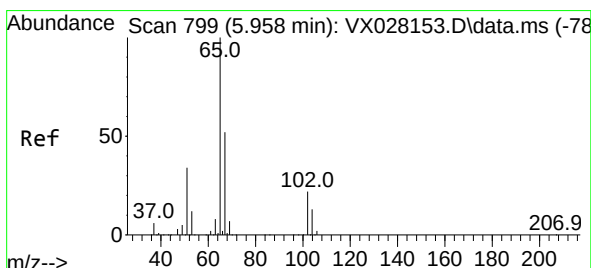
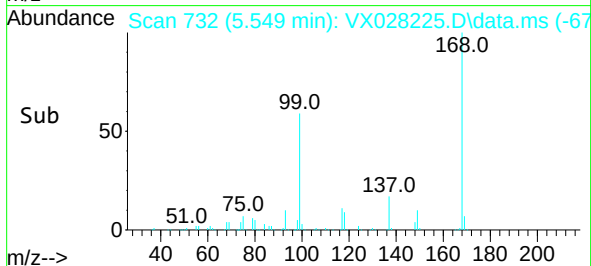
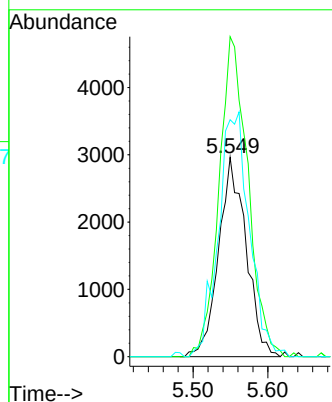


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

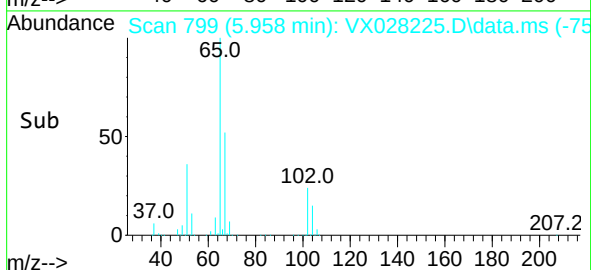
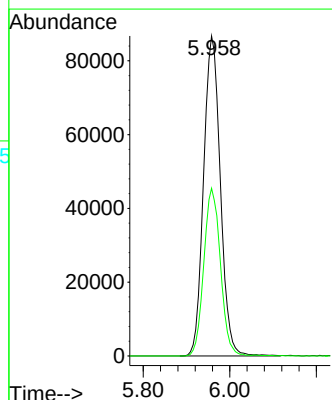
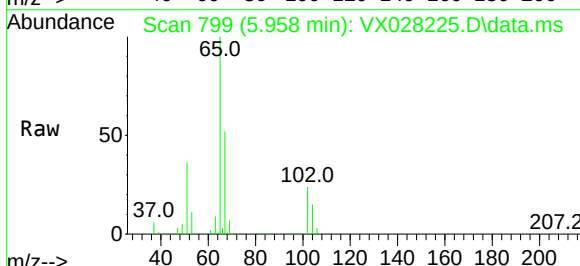


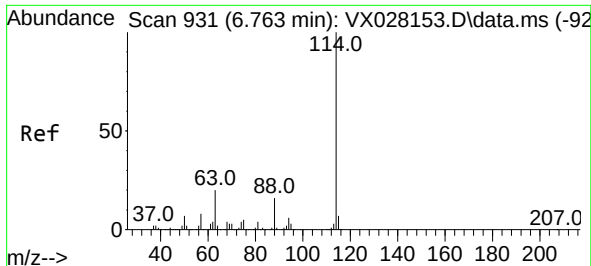
Tgt Ion: 56 Resp: 7559
Ion Ratio Lower Upper
56 100
69 160.6 26.7 40.1#
84 116.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.393 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 65 Resp: 233506
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

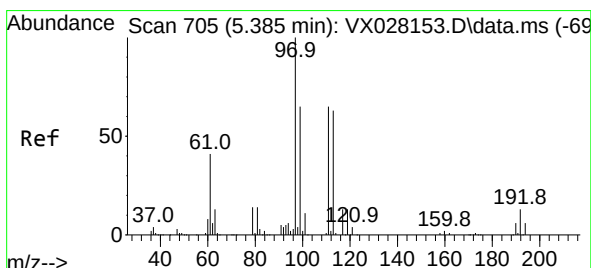
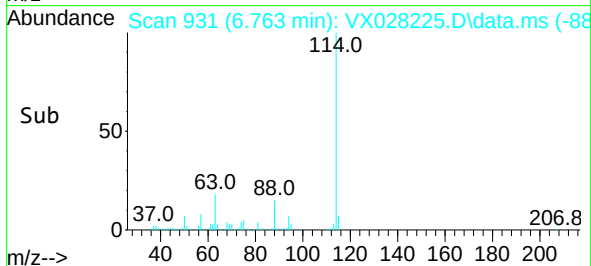
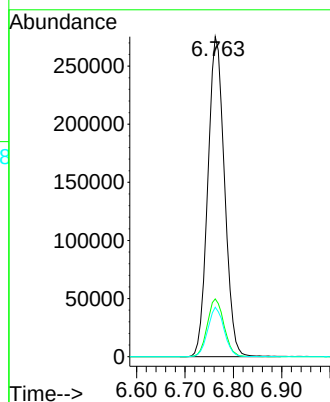
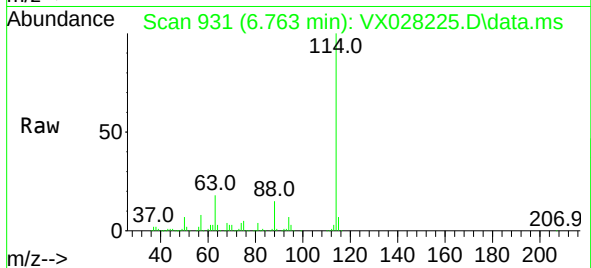




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

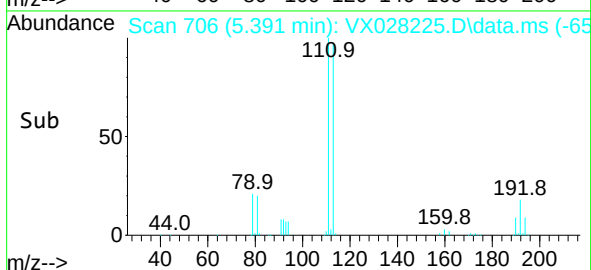
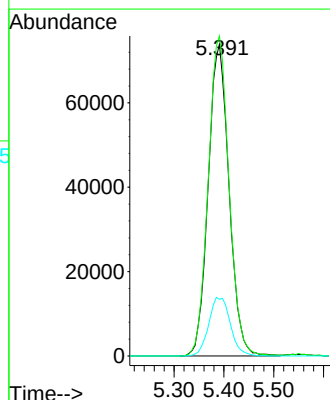
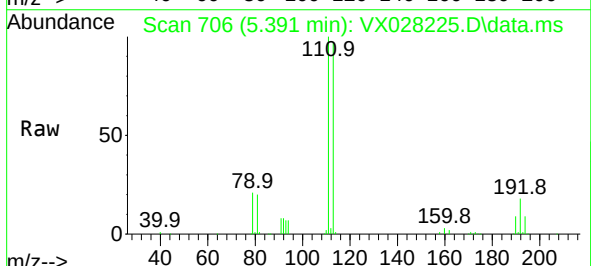
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

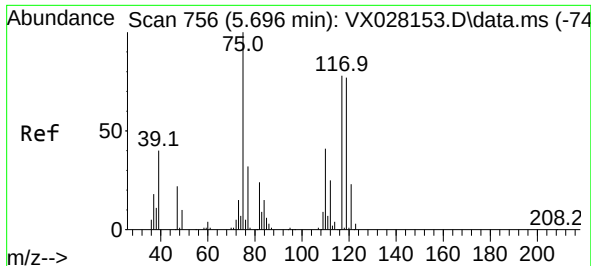
Tgt Ion:114 Resp: 658016
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.471 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion:113 Resp: 214444
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 19.5 16.9 25.3

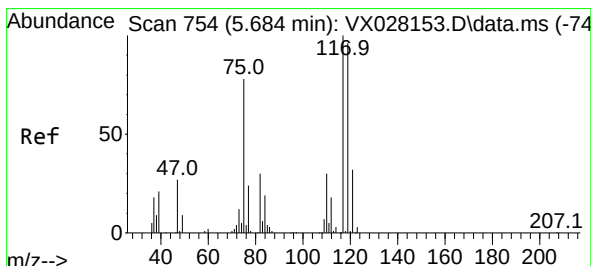
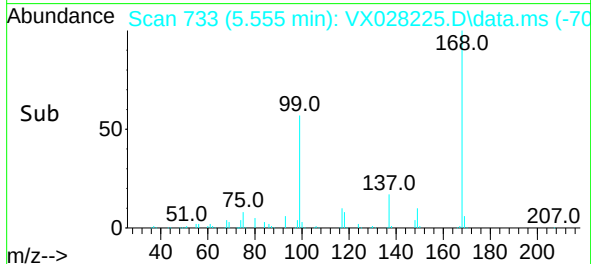
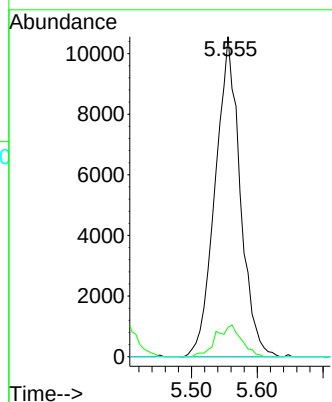
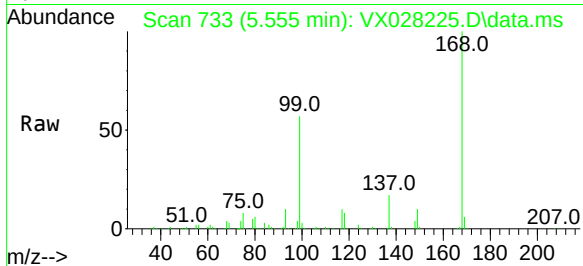




#36
1,1-Dichloropropene
Concen: 4.622 ug/l
RT: 5.555 min Scan# 713
Delta R.T. -0.141 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

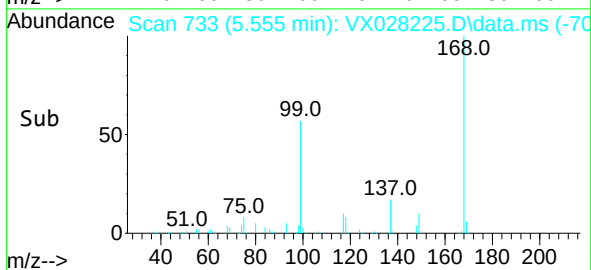
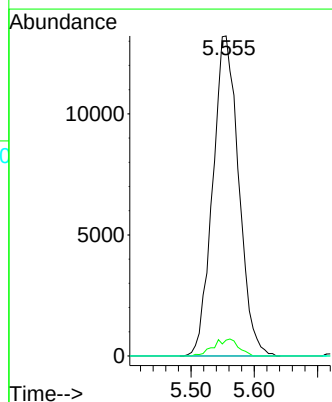
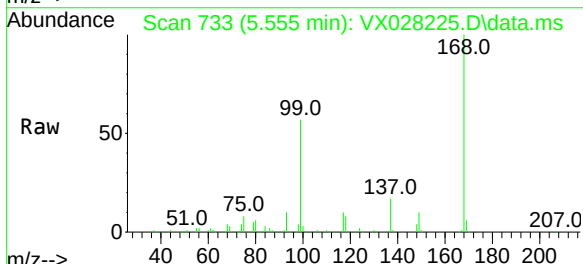
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

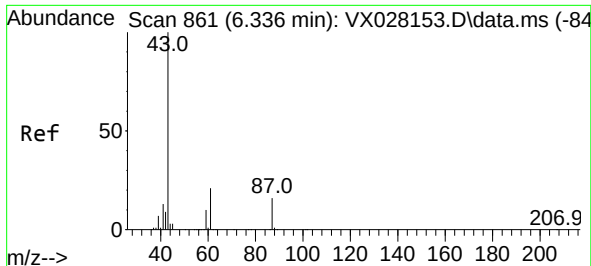
Tgt Ion: 75 Resp: 27824
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.547 ug/l
RT: 5.555 min Scan# 733
Delta R.T. -0.129 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 117 Resp: 37693
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 24.2 36.2#

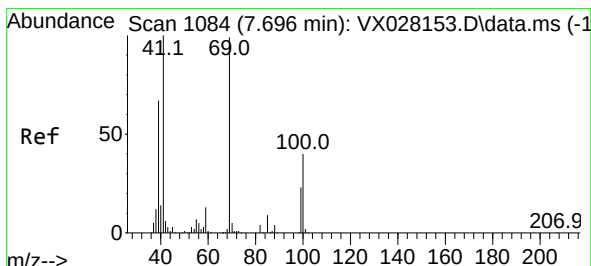
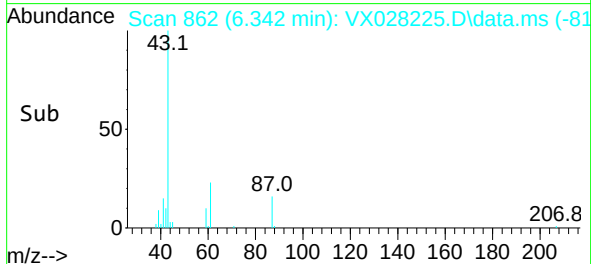
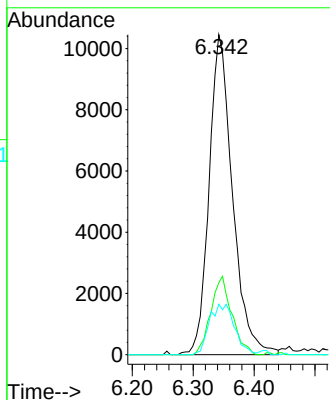
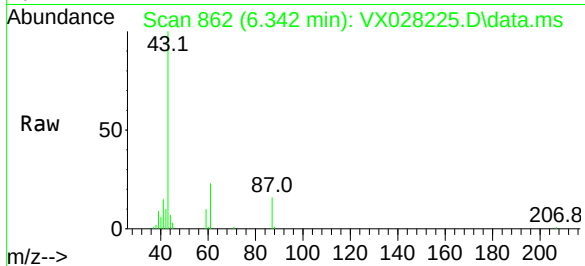




#43
Isopropyl Acetate
Concen: 2.810 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

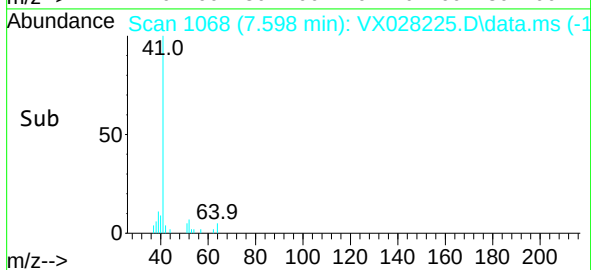
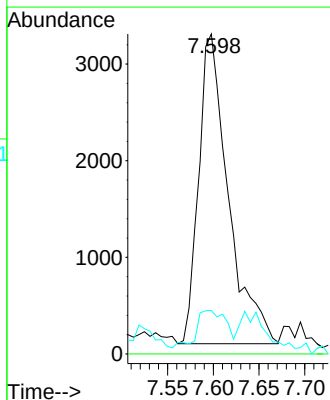
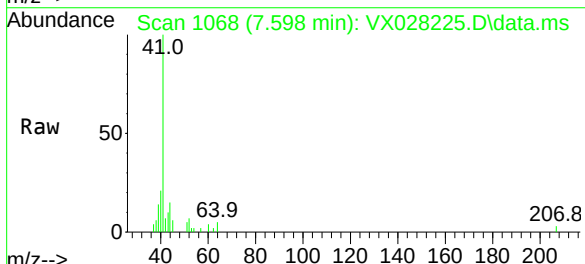
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

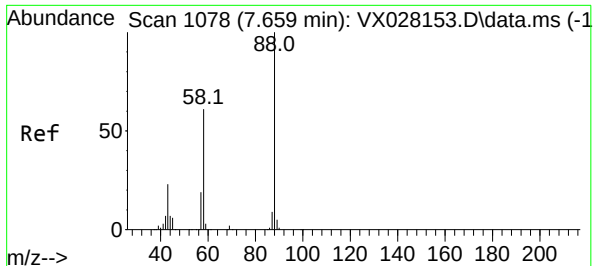
Tgt Ion: 43 Resp: 27933
Ion Ratio Lower Upper
43 100
61 22.0 18.5 27.7
87 16.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.583 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 41 Resp: 7223
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: 2.236 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028225.D

Acq: 21 Apr 2022 03:01

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#07

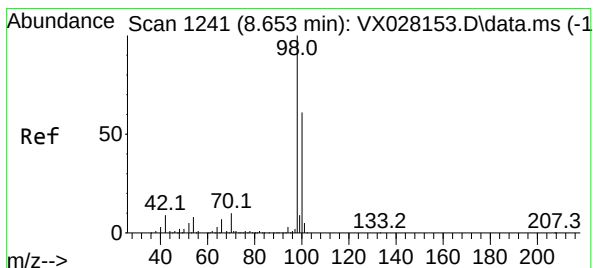
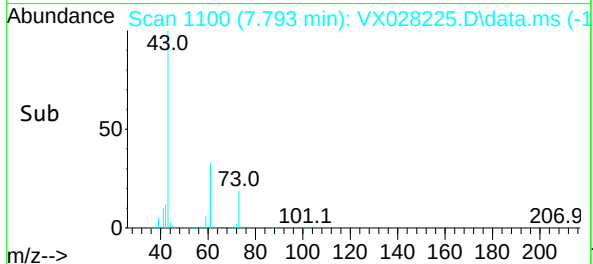
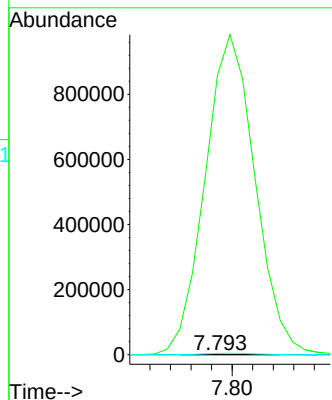
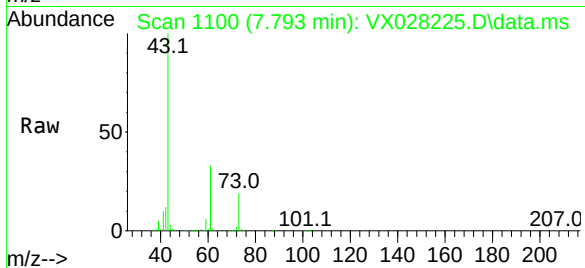
Tgt Ion: 88 Resp: 273

Ion Ratio Lower Upper

88 100

43 612346.5 21.9 32.9#

58 2843.2 53.7 80.5#



#50

Toluene-d8

Concen: 45.321 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX028225.D

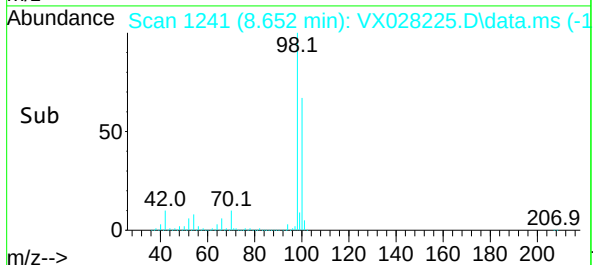
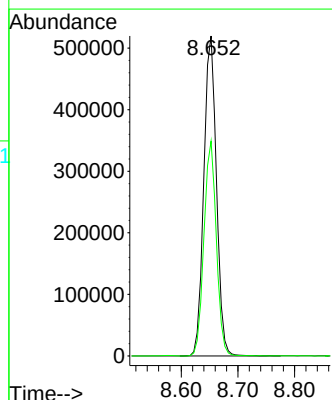
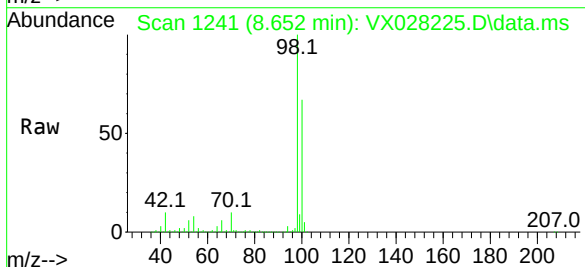
Acq: 21 Apr 2022 03:01

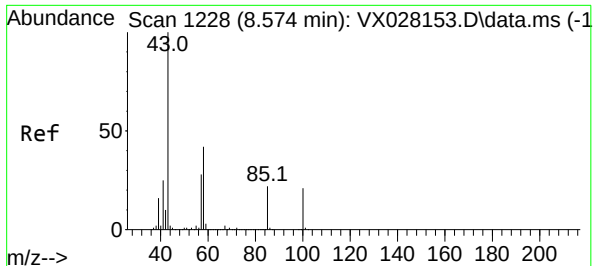
Tgt Ion: 98 Resp: 803264

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.768 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028225.D

Acq: 21 Apr 2022 03:01

Instrument :

MSVOA_X

ClientSampleId :

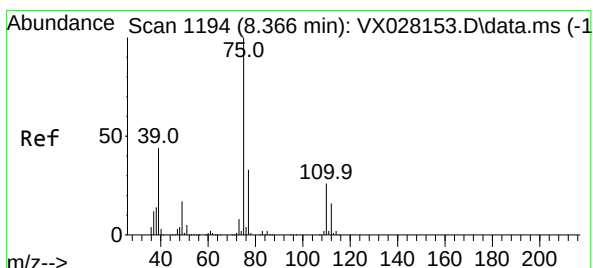
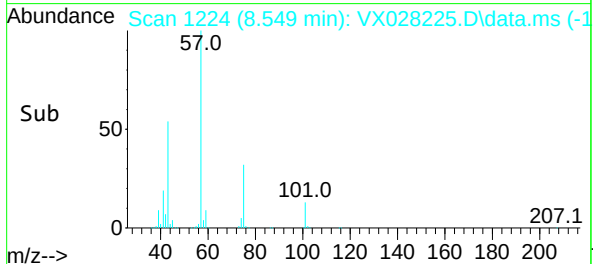
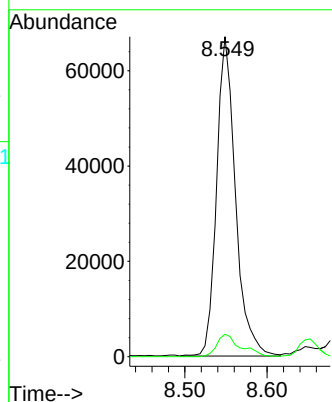
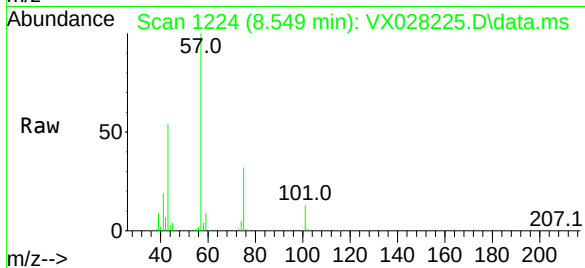
PB144231ZHE#07

Tgt Ion: 43 Resp: 106958

Ion Ratio Lower Upper

43 100

58 8.8 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.679 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028225.D

Acq: 21 Apr 2022 03:01

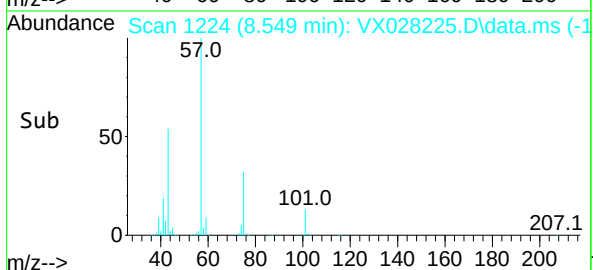
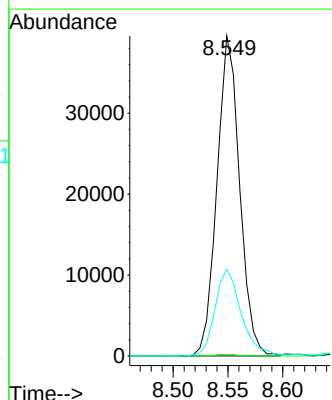
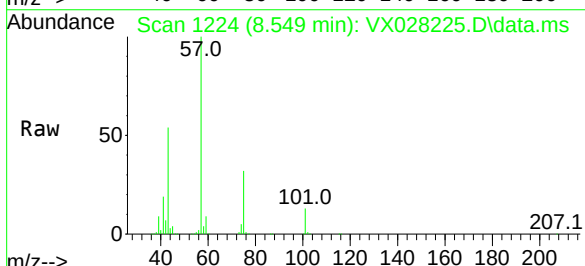
Tgt Ion: 75 Resp: 56984

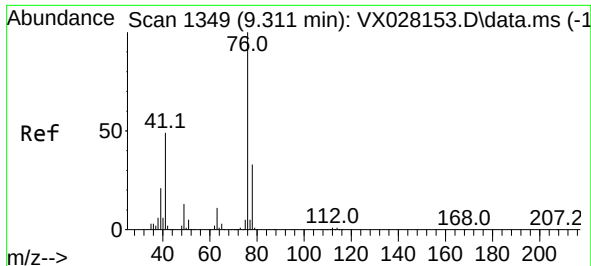
Ion Ratio Lower Upper

75 100

77 0.4 24.8 37.2#

39 27.0 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.787 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028225.D

Acq: 21 Apr 2022 03:01

Instrument :

MSVOA_X

ClientSampleId :

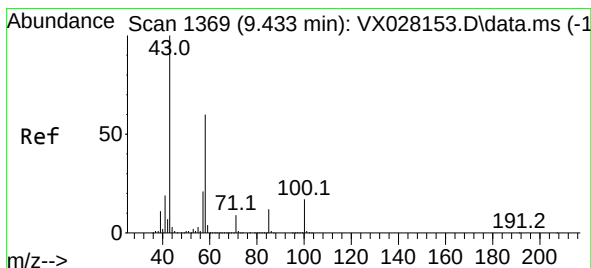
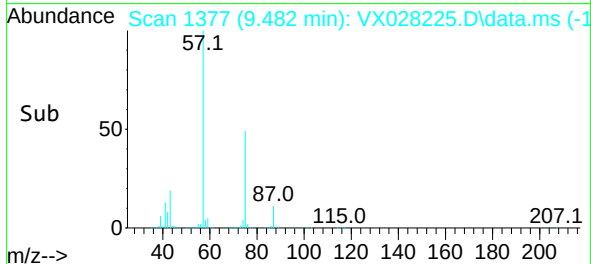
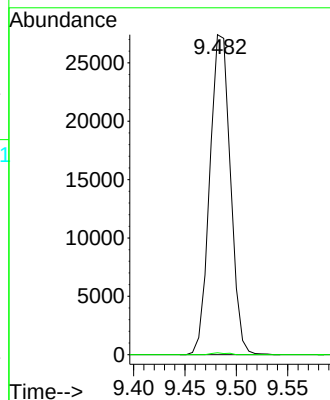
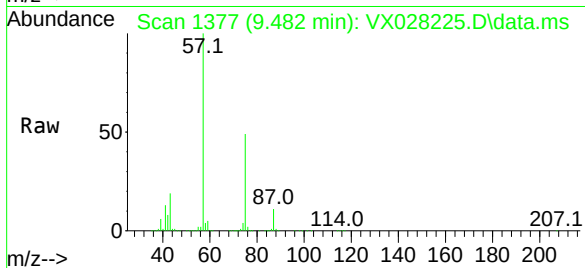
PB144231ZHE#07

Tgt Ion: 76 Resp: 38425

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 85.876 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028225.D

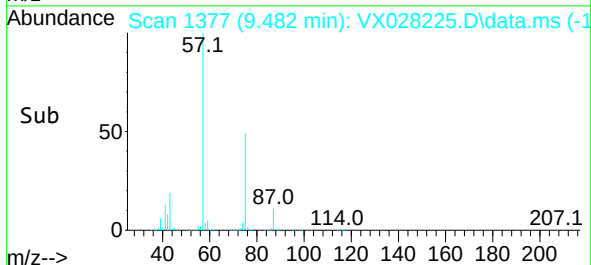
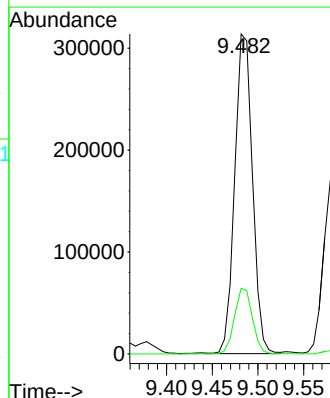
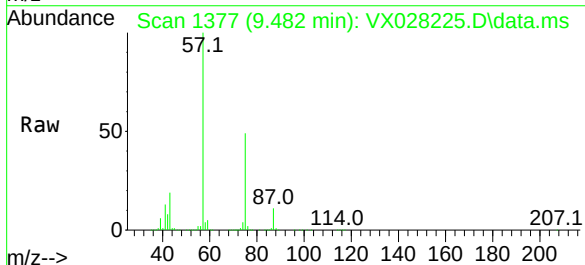
Acq: 21 Apr 2022 03:01

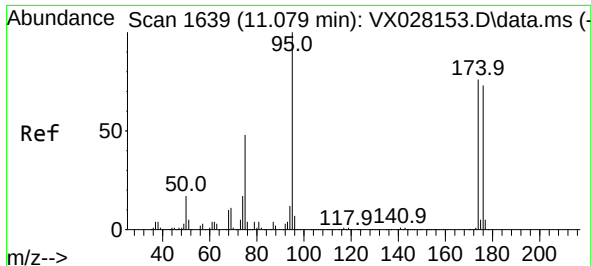
Tgt Ion: 43 Resp: 424327

Ion Ratio Lower Upper

43 100

58 20.7 31.9 95.7#

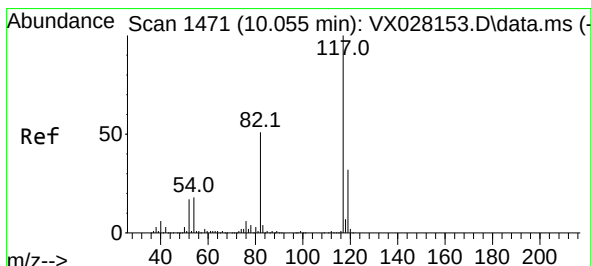
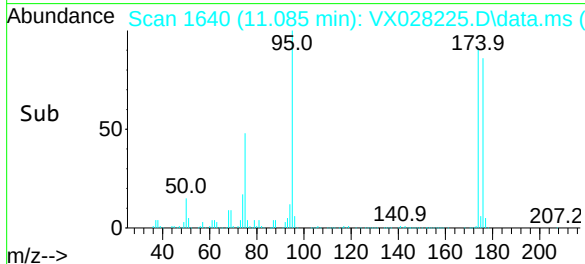
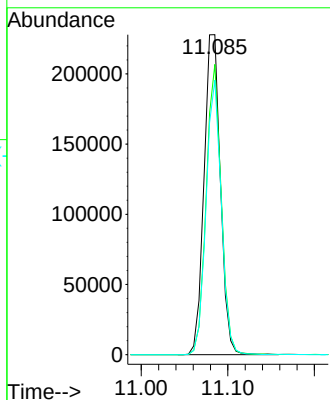
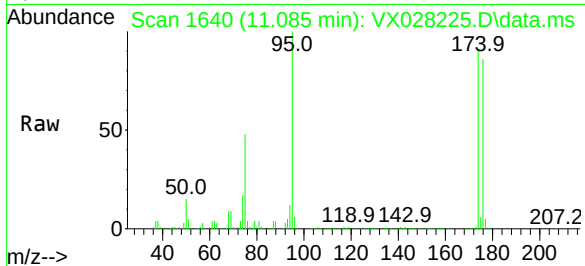




#62
4-Bromofluorobenzene
Concen: 44.146 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

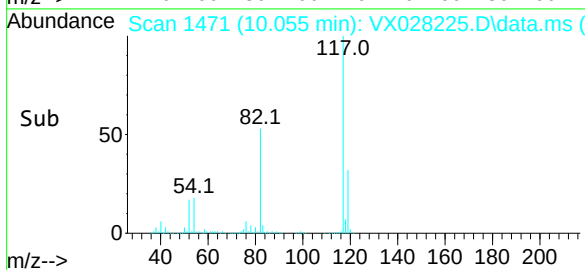
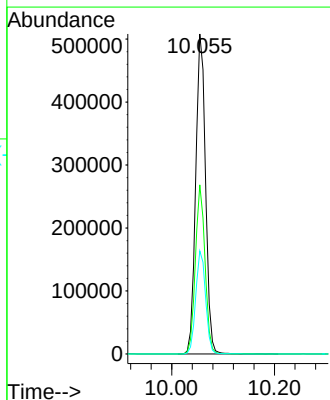
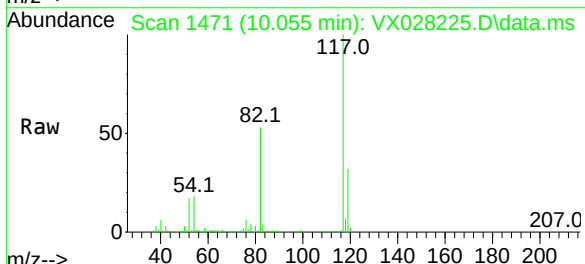
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

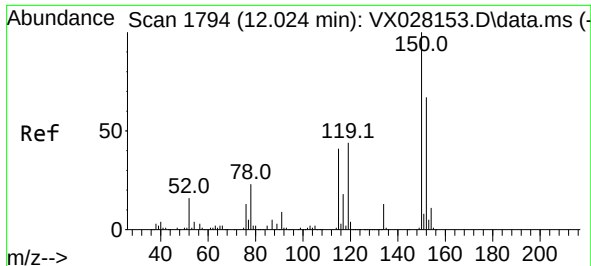
Tgt Ion: 95 Resp: 299173
Ion Ratio Lower Upper
95 100
174 83.7 0.0 163.0
176 80.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 117 Resp: 672002
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 32.2 24.8 37.2

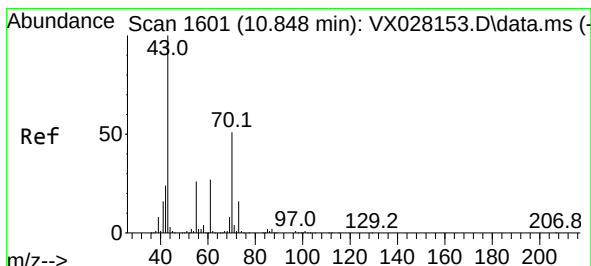
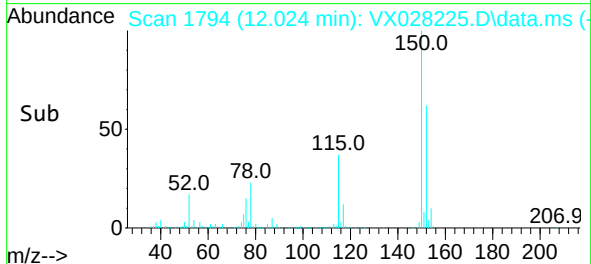
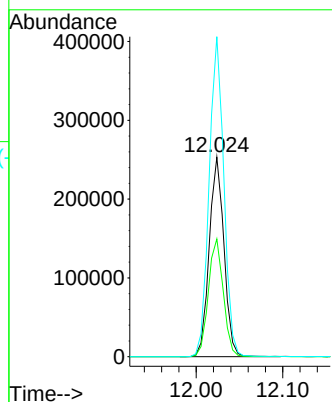
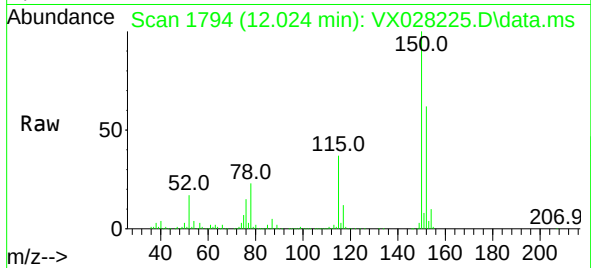




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

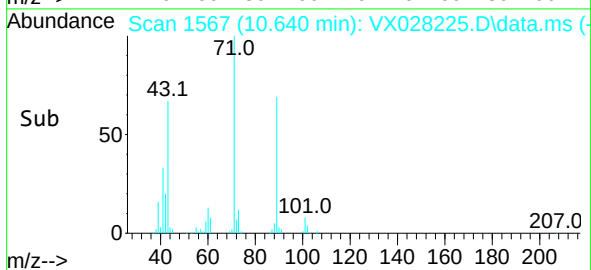
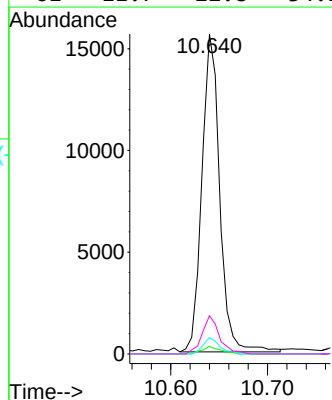
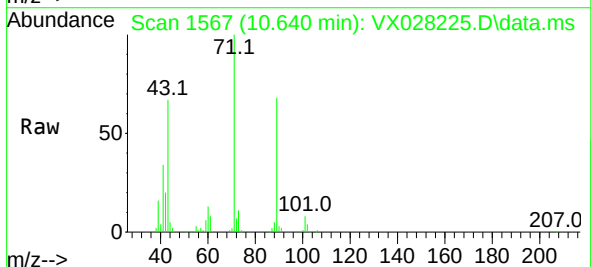
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

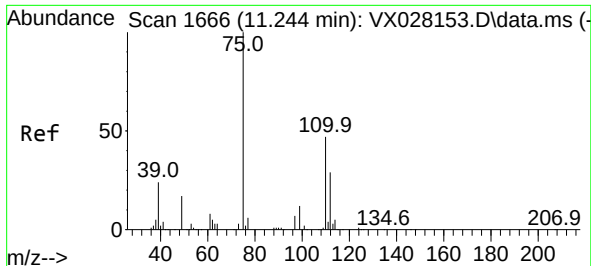
Tgt Ion:152 Resp: 299809
Ion Ratio Lower Upper
152 100
115 59.6 37.5 112.7
150 160.0 0.0 338.2



#74
N-ethyl acetate
Concen: 2.819 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

Tgt Ion: 43 Resp: 20081
Ion Ratio Lower Upper
43 100
70 2.4 42.5 63.7#
55 4.8 23.1 34.7#
61 11.7 22.8 34.2#

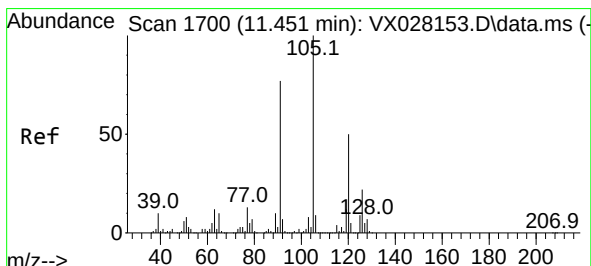
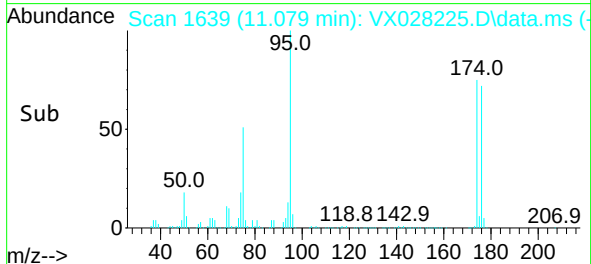
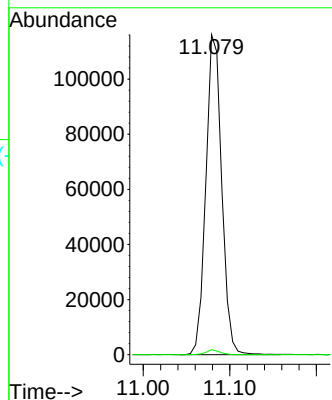
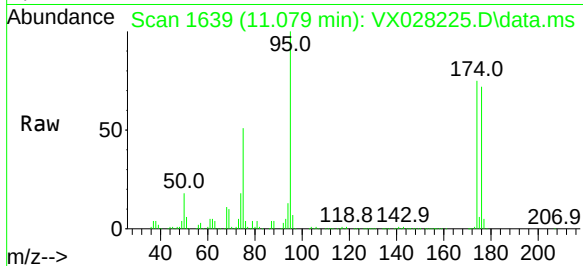




#76
1,2,3-Trichloropropane
Concen: 24.999 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

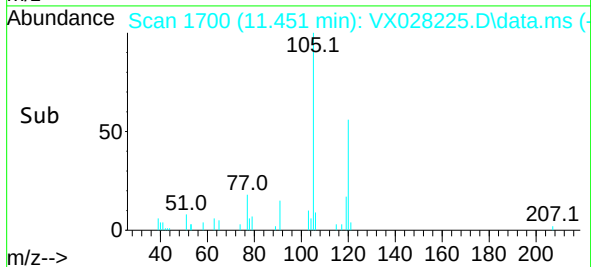
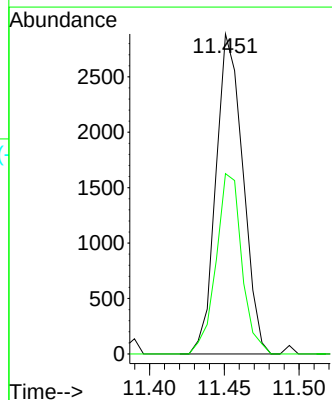
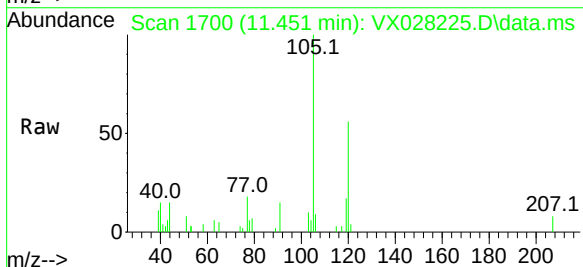
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#07

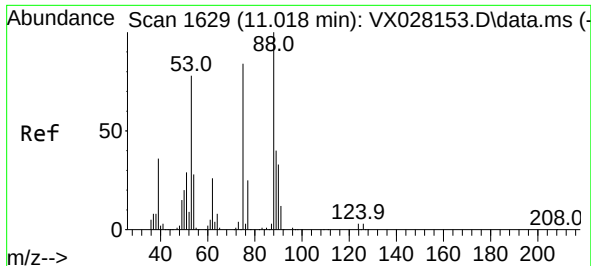
Tgt Ion: 75 Resp: 147507
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.207 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX028225.D
Acq: 21 Apr 2022 03:01

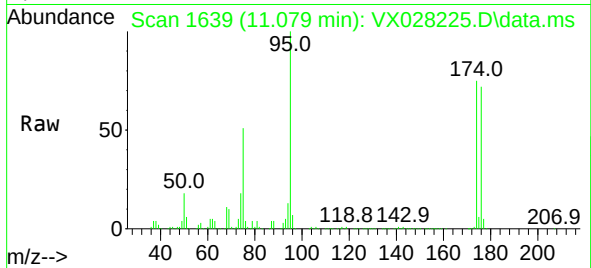
Tgt Ion: 105 Resp: 3624
Ion Ratio Lower Upper
105 100
120 53.8 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.291 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028225.D
 Acq: 21 Apr 2022 03:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#07



Tgt Ion: 75 Resp: 147507
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

