

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028701.D
 Acq On : 14 May 2022 01:02
 Operator : JC/MD
 Sample : PB144781ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#02

Quant Time: May 16 02:30:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

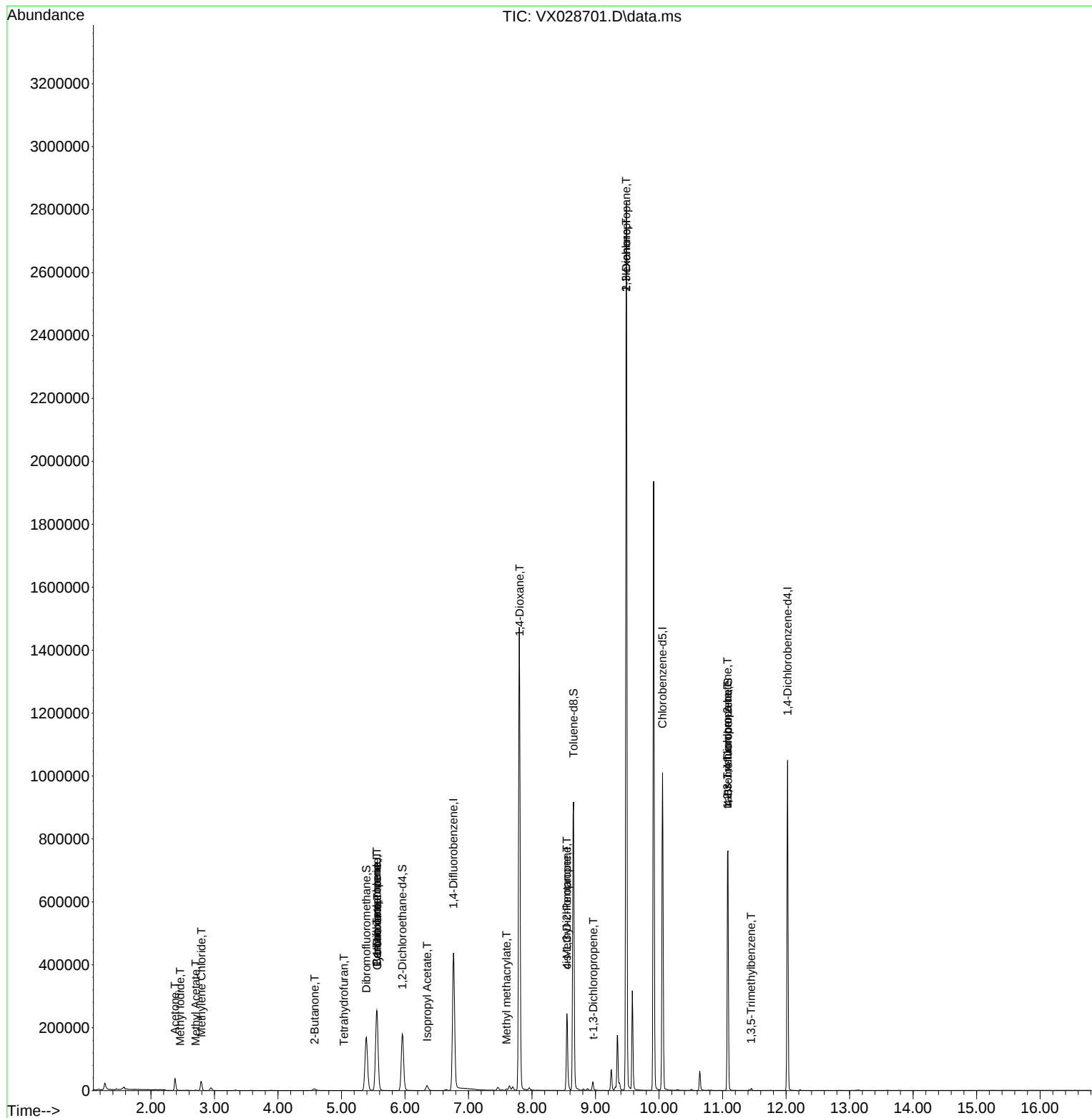
Internal Standards						
1) Pentafluorobenzene	5.556	168	230530	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	435856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	197806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171224	54.184	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.360%	
35) Dibromofluoromethane	5.391	113	144408	50.569	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.140%	
50) Toluene-d8	8.653	98	540244	50.179	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.360%	
62) 4-Bromofluorobenzene	11.085	95	202514	50.360	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.720%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	812	Below Cal	#	70
6) Chloroethane	1.691	64	275	Below Cal	#	43
10) Methyl Iodide	2.459	142	631	0.205	ug/l	# 89
11) Tert butyl alcohol	2.940	59	5180	Below Cal	#	72
16) Acetone	2.379	43	38923	28.700	ug/l	89
18) Methyl Acetate	2.703	43	1837	0.541	ug/l	89
20) Methylene Chloride	2.794	84	13000	4.569	ug/l	97
25) 2-Butanone	4.574	43	8011	3.763	ug/l	# 87
29) Tetrahydrofuran	5.038	42	544	0.393	ug/l	# 35
31) Cyclohexane	5.562	56	5565	1.269	ug/l	# 14
36) 1,1-Dichloropropene	5.556	75	19907	4.641	ug/l	# 49
38) Carbon Tetrachloride	5.556	117	24849	5.757	ug/l	# 16
43) Isopropyl Acetate	6.348	43	21412	3.055	ug/l	93
48) Methyl methacrylate	7.598	41	6519	1.925	ug/l	# 7
49) 1,4-Dioxane	7.805	88	190	2.246	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	83906	18.175	ug/l	# 44
53) t-1,3-Dichloropropene	8.964	75	53	1.651	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	39464	8.225	ug/l	# 74
57) 1,3-Dichloropropane	9.482	76	25835	4.737	ug/l	# 43
59) 2-Hexanone	9.482	43	328585	91.612	ug/l	# 43
76) 1,2,3-Trichloropropane	11.079	75	108435	23.408	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	2774	0.222	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	108435	68.296	ug/l	# 15

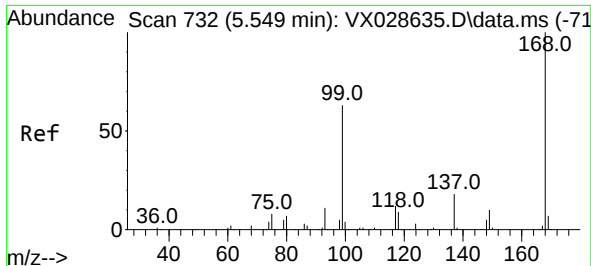
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
Data File : VX028701.D
Acq On : 14 May 2022 01:02
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Sample : PB144781ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

Quant Time: May 16 02:30:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

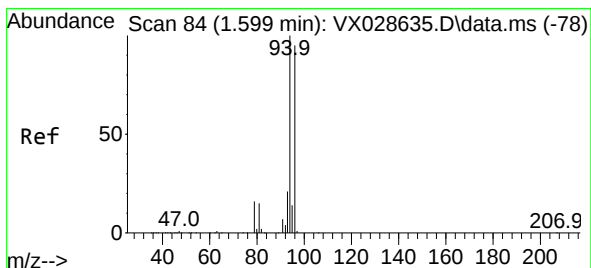
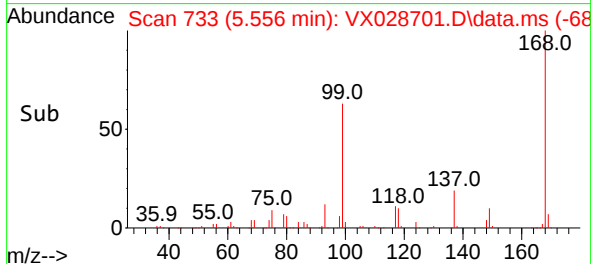
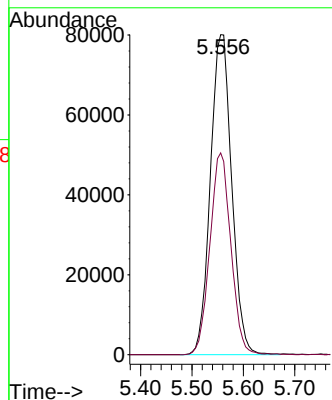
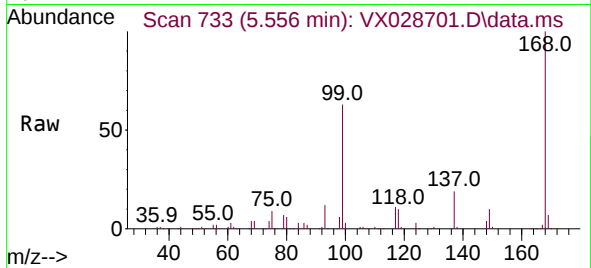




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

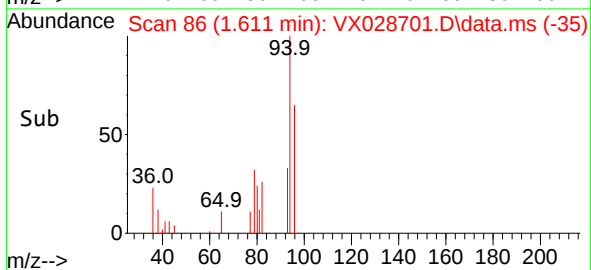
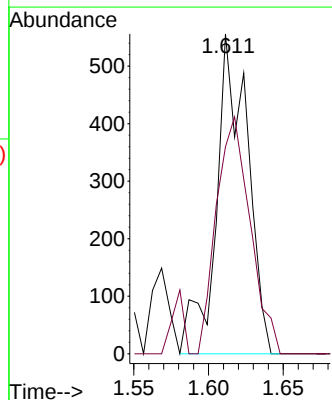
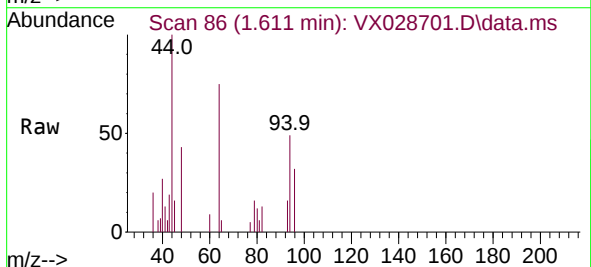
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

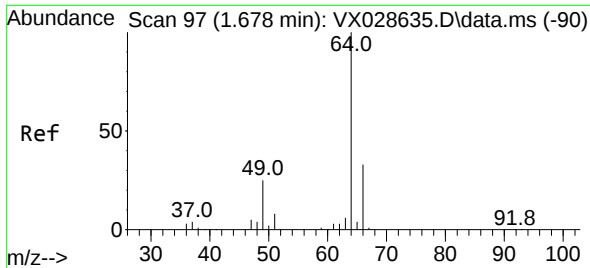
Tgt Ion:168 Resp: 230530
Ion Ratio Lower Upper
168 100
99 63.1 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 94 Resp: 812
Ion Ratio Lower Upper
94 100
96 64.7 75.3 112.9#

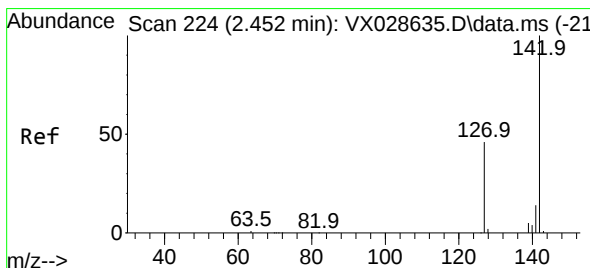
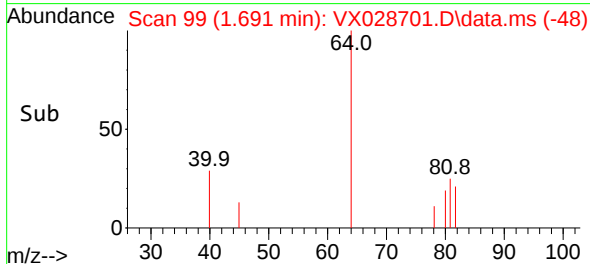
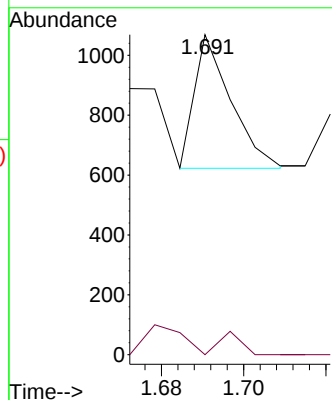
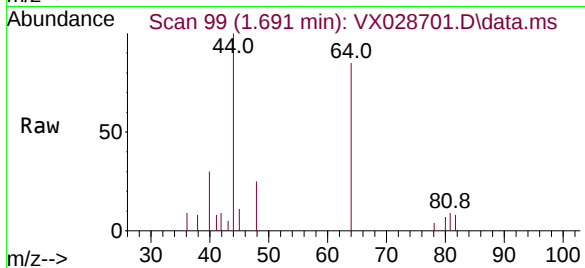




#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 91
Delta R.T. 0.013 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

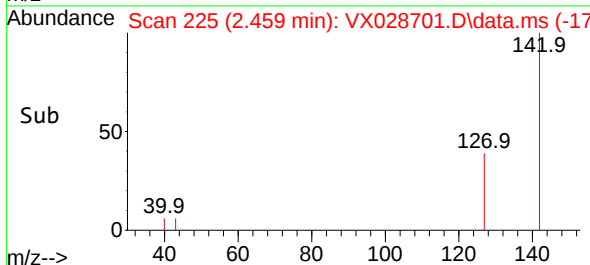
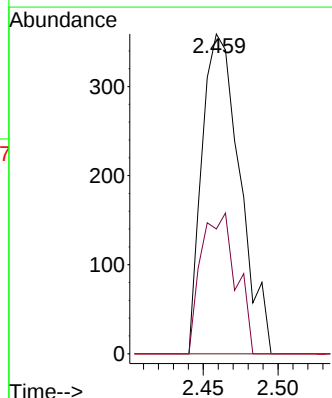
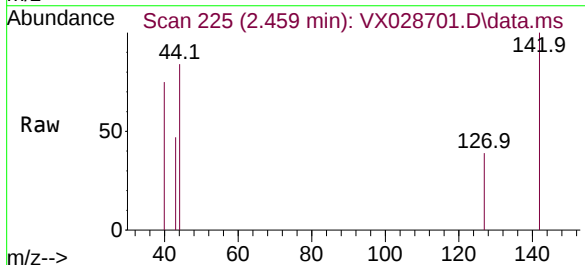
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

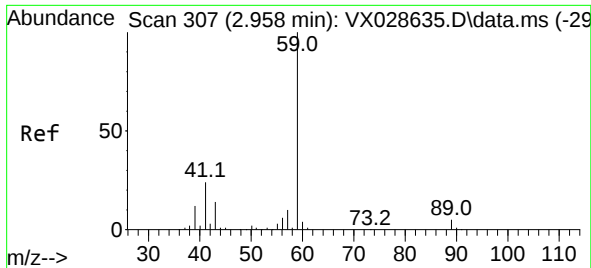
Tgt Ion: 64 Resp: 275
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.205 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.007 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 142 Resp: 631
Ion Ratio Lower Upper
142 100
127 40.7 33.9 50.9
141 0.0 11.4 17.2#

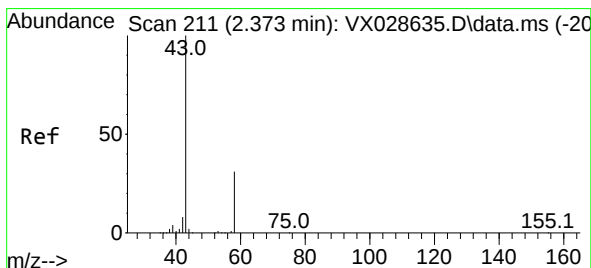
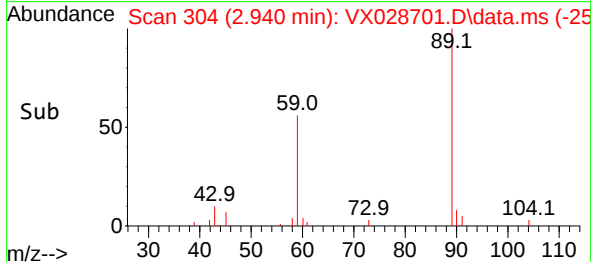
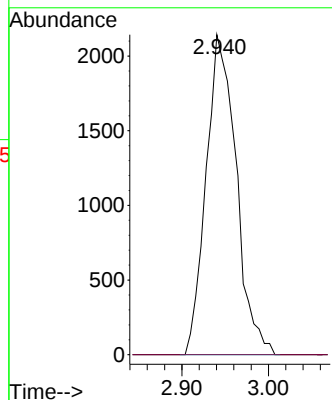
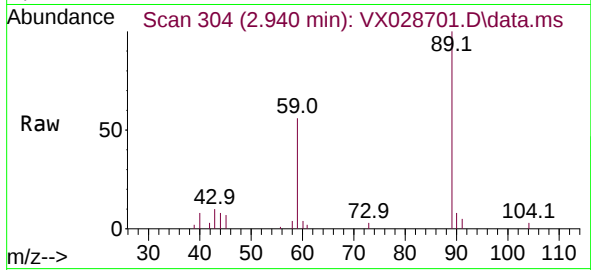




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

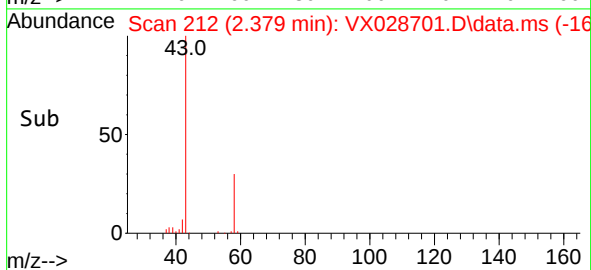
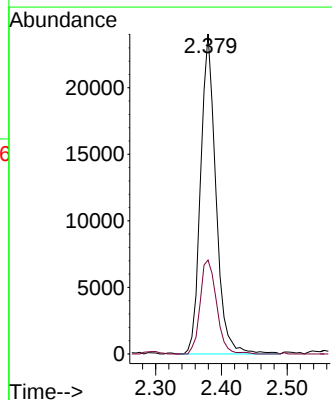
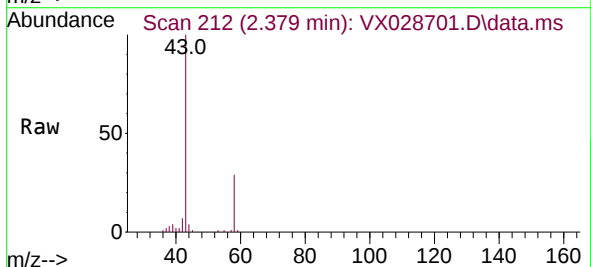
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

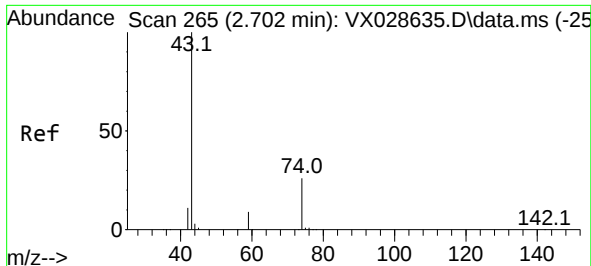
Tgt Ion: 59 Resp: 5180
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 28.700 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 43 Resp: 38923
Ion Ratio Lower Upper
43 100
58 29.3 28.8 43.2

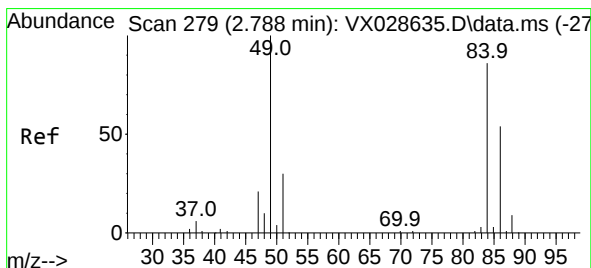
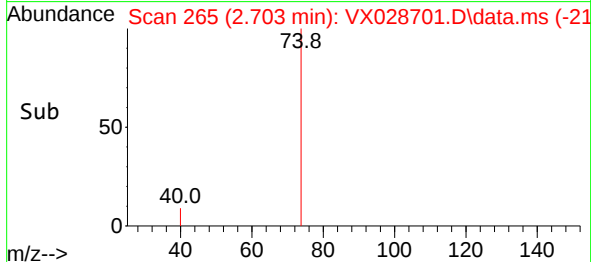
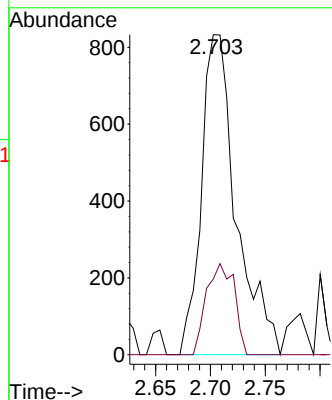
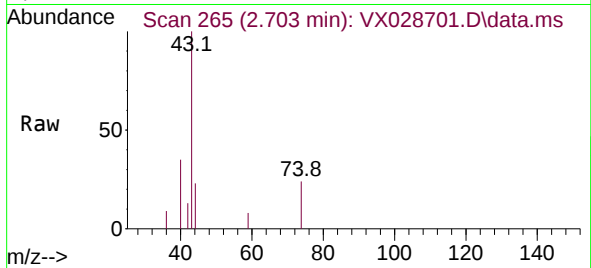




#18
Methyl Acetate
Concen: 0.541 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

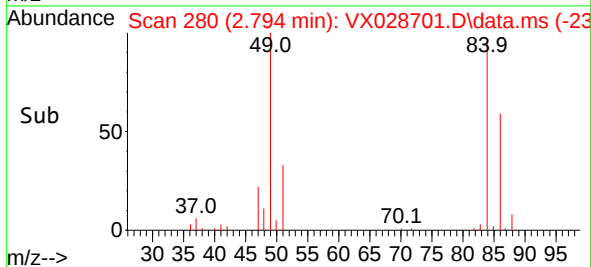
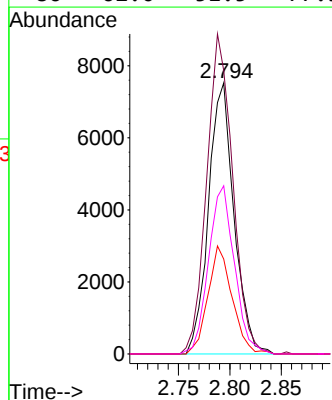
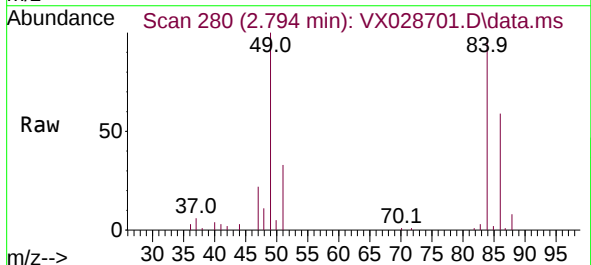
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

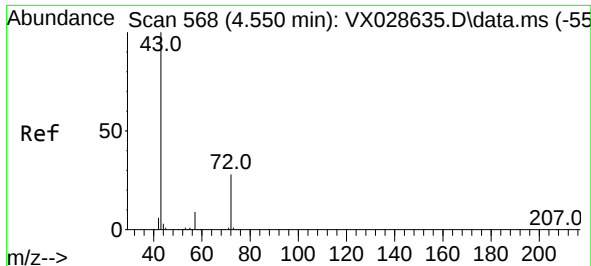
Tgt Ion: 43 Resp: 1837
Ion Ratio Lower Upper
43 100
74 22.9 22.8 34.2



#20
Methylene Chloride
Concen: 4.569 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 84 Resp: 13000
Ion Ratio Lower Upper
84 100
49 104.5 85.5 128.3
51 35.0 26.6 39.8
86 62.0 51.5 77.3

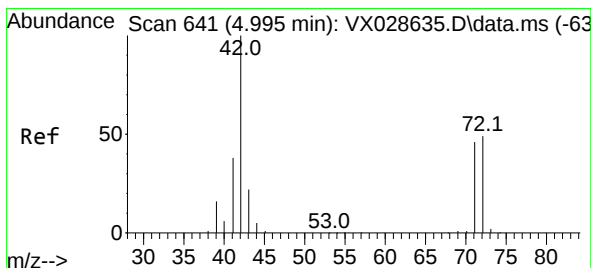
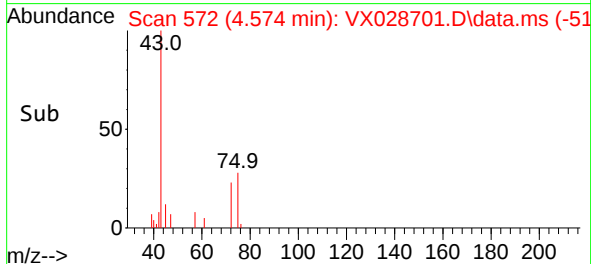
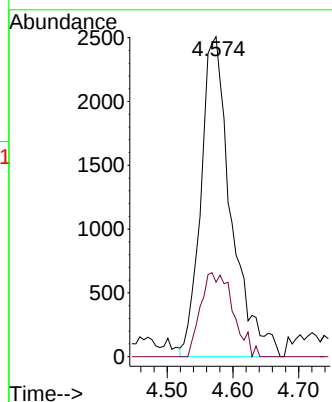
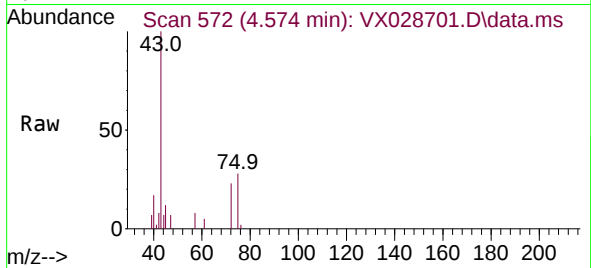




#25
2-Butanone
Concen: 3.763 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

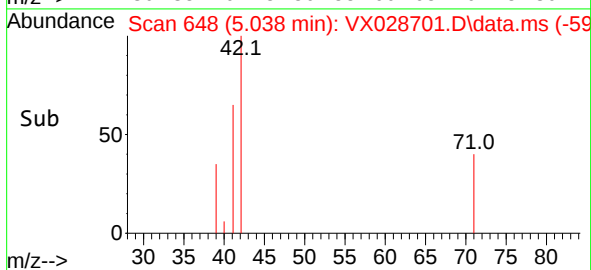
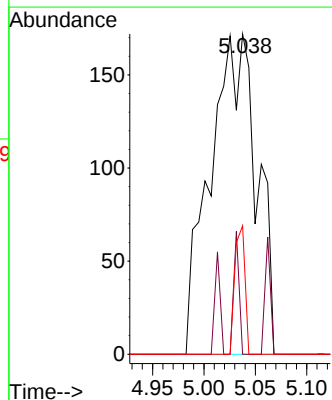
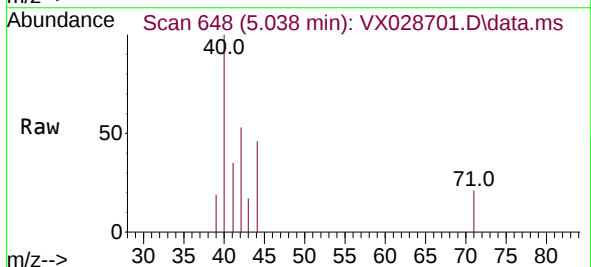
Instrument :
MSVOA_X
ClientSampleId :
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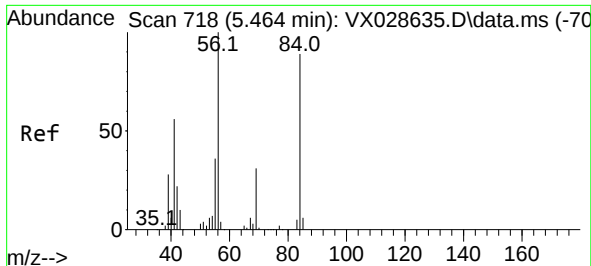
Tgt Ion: 43 Resp: 8011
Ion Ratio Lower Upper
43 100
72 23.3 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.393 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.043 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

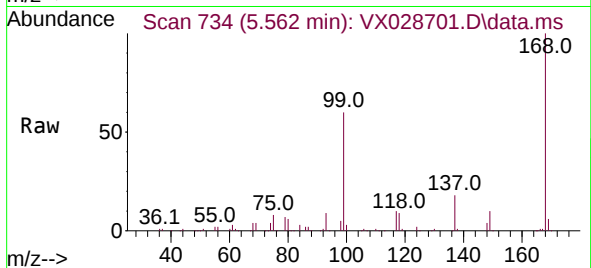
Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
72 4.4 44.1 66.1#
71 8.6 40.5 60.7#



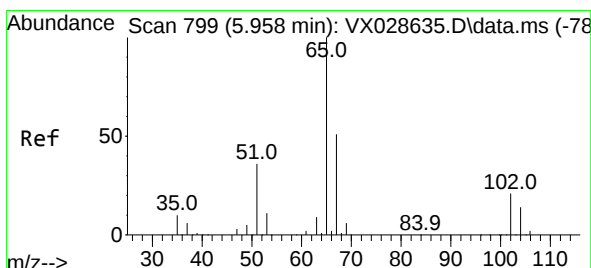
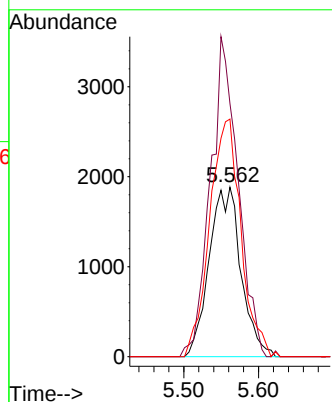
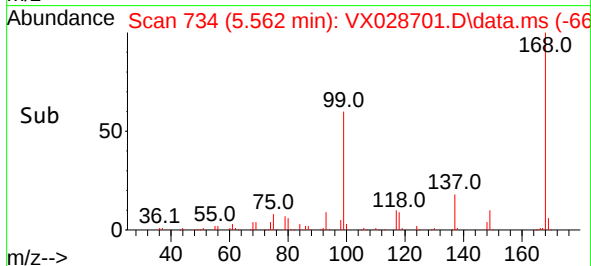


#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Instrument :
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ClientSampleId :
PB144781ZHE#02

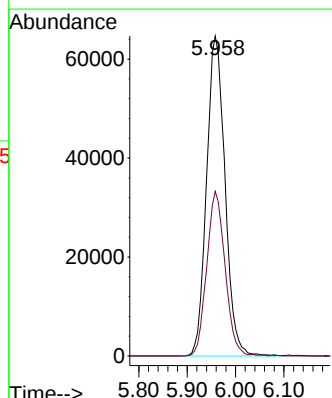
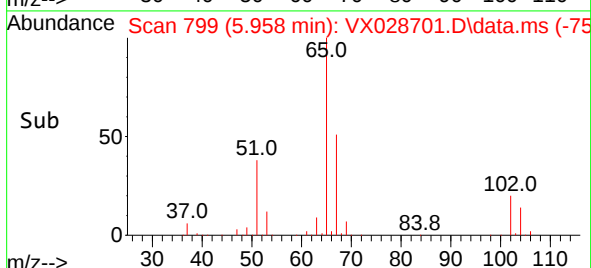
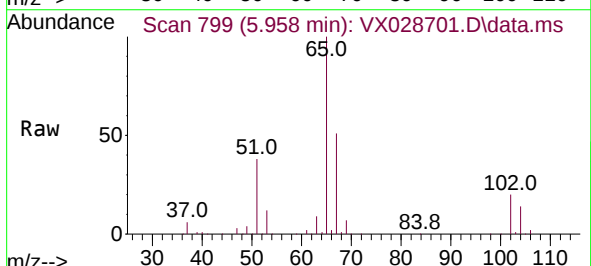


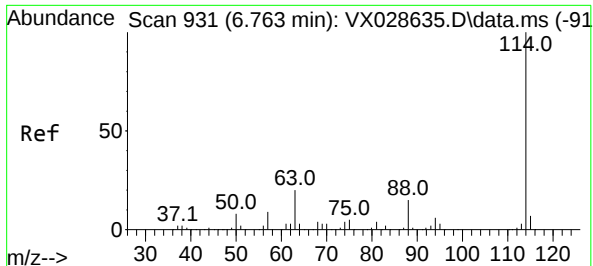
Tgt Ion: 56 Resp: 5565
Ion Ratio Lower Upper
56 100
69 149.3 26.7 40.1#
84 140.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.184 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 65 Resp: 171224
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

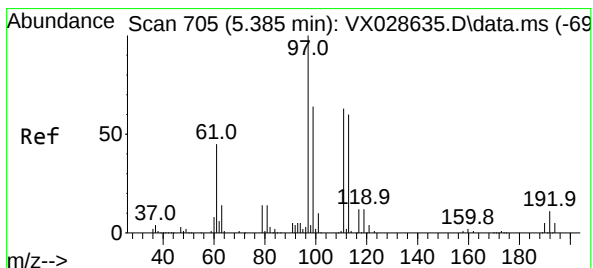
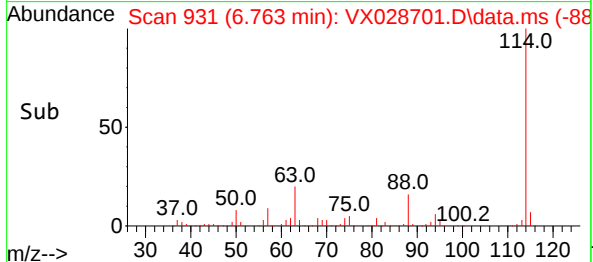
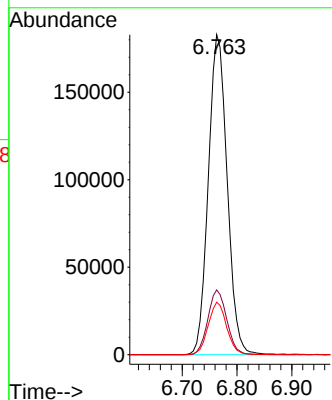
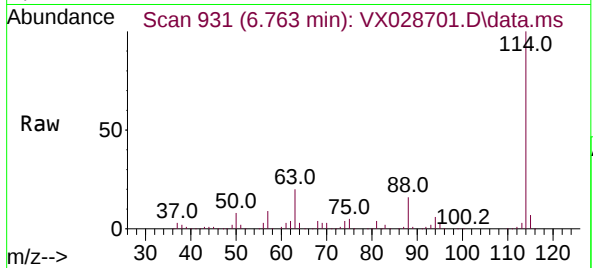




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

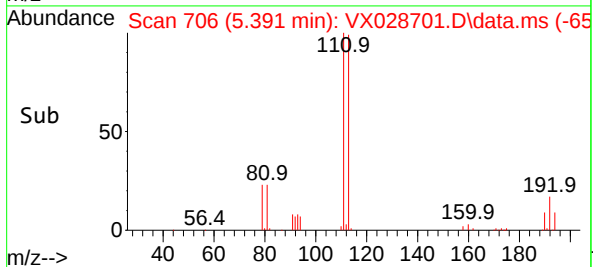
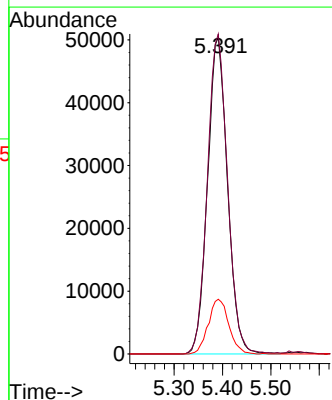
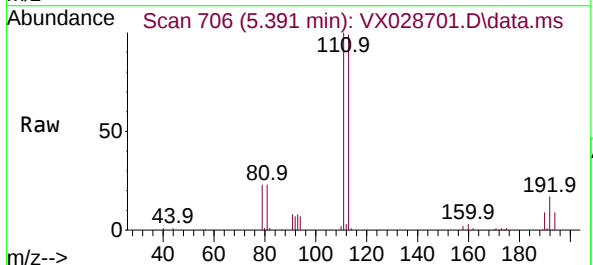
Instrument :
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ClientSampleId :
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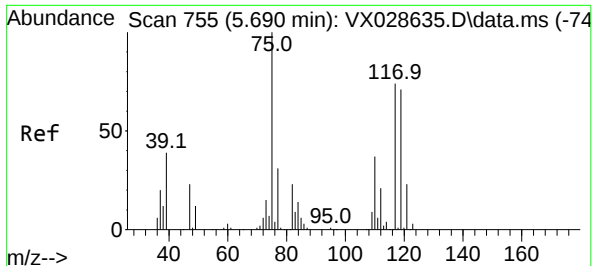
Tgt Ion:114 Resp: 435856
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.8
88 16.4 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.569 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion:113 Resp: 144408
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 17.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.641 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX028701.D

Acq: 14 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#02

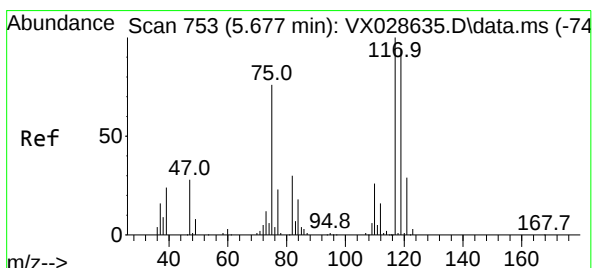
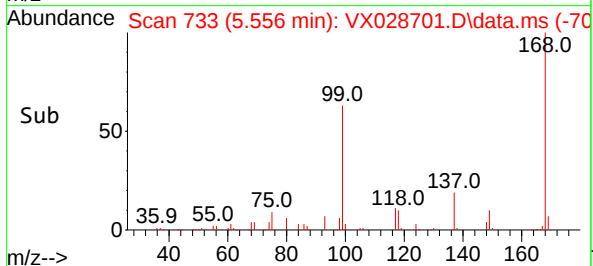
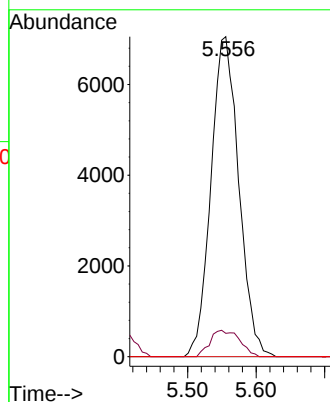
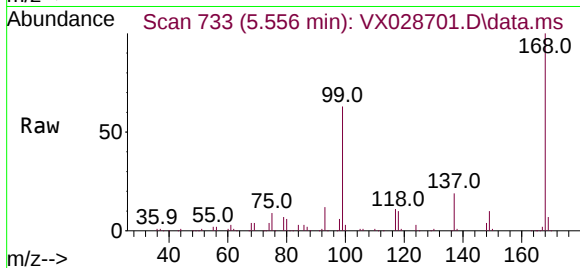
Tgt Ion: 75 Resp: 19907

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.757 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX028701.D

Acq: 14 May 2022 01:02

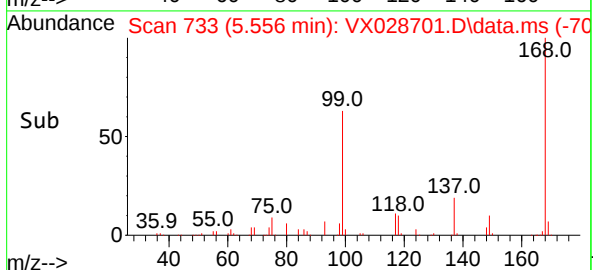
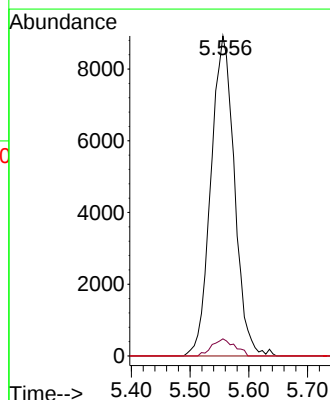
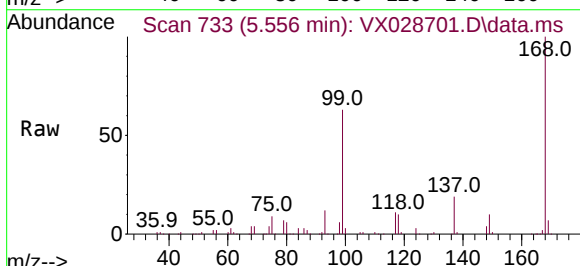
Tgt Ion: 117 Resp: 24849

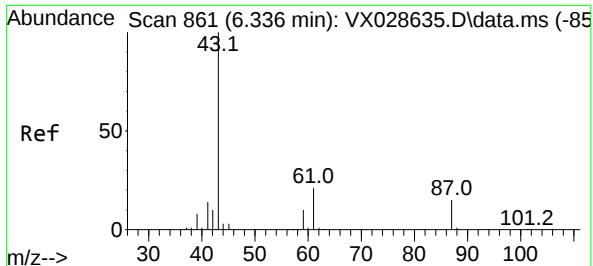
Ion Ratio Lower Upper

117 100

119 5.4 77.3 115.9#

121 0.0 24.2 36.2#

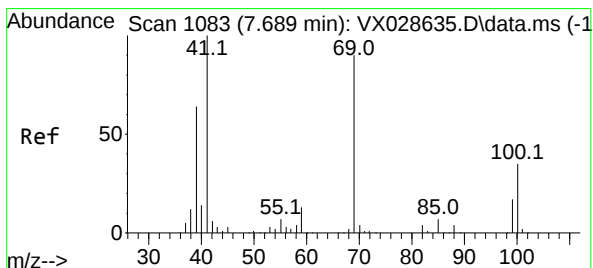
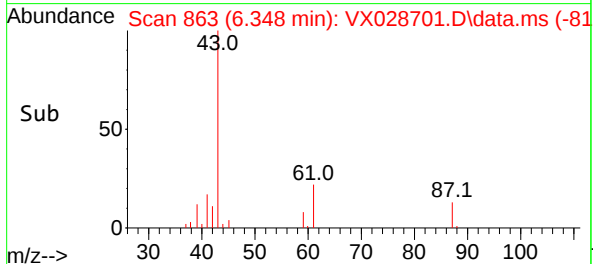
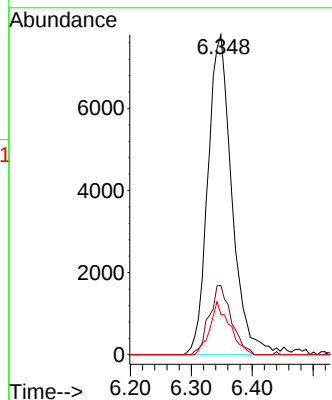
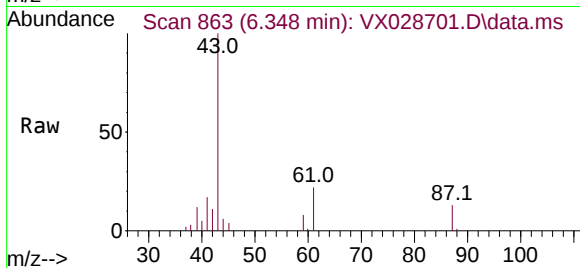




#43
Isopropyl Acetate
Concen: 3.055 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

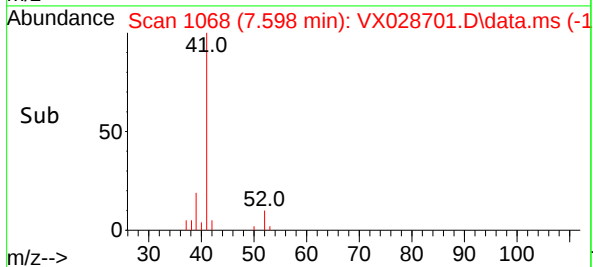
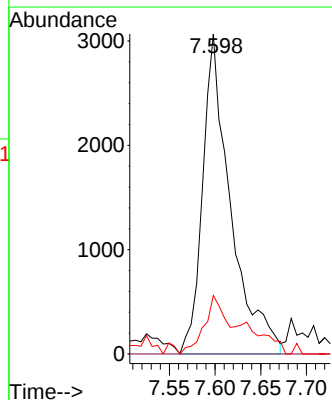
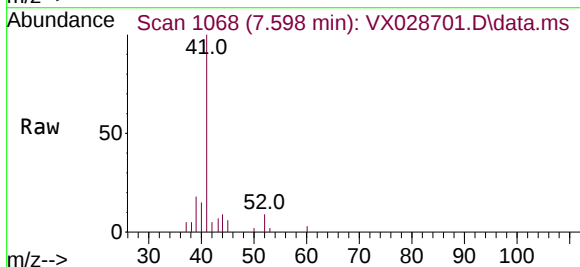
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

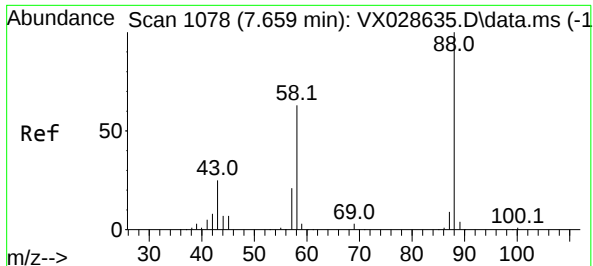
Tgt Ion: 43 Resp: 21412
Ion Ratio Lower Upper
43 100
61 19.8 18.5 27.7
87 13.6 13.0 19.6



#48
Methyl methacrylate
Concen: 1.925 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 41 Resp: 6519
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: 2.246 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028701.D

Acq: 14 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

PB144781ZHE#02

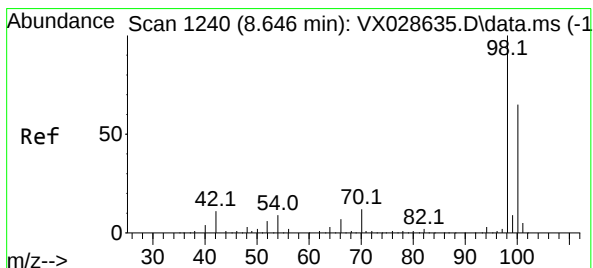
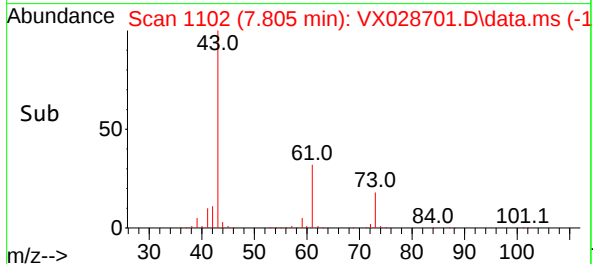
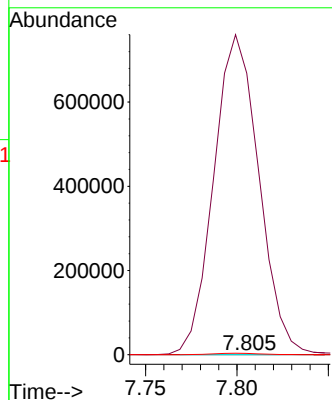
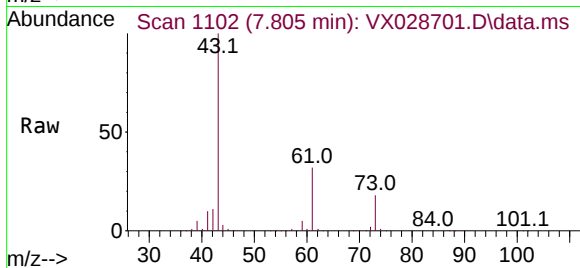
Tgt Ion: 88 Resp: 190

Ion Ratio Lower Upper

88 100

43 693705.8 21.9 32.9#

58 3094.2 53.7 80.5#



#50

Toluene-d8

Concen: 50.179 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028701.D

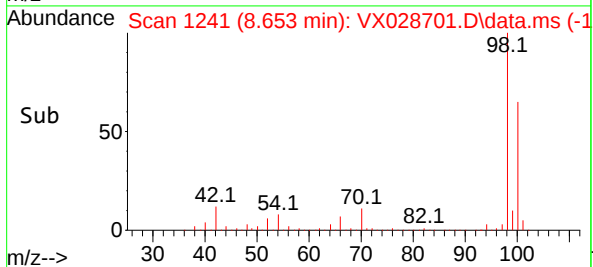
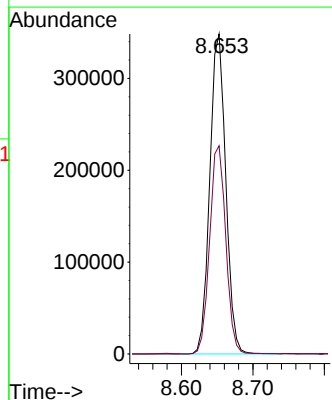
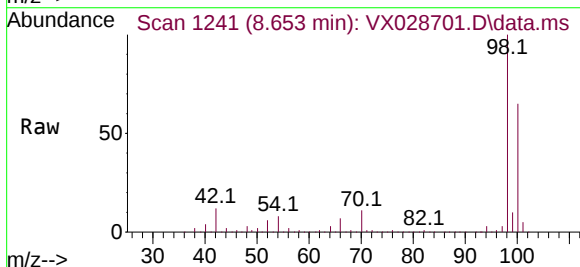
Acq: 14 May 2022 01:02

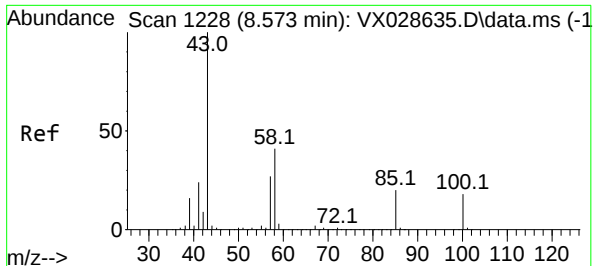
Tgt Ion: 98 Resp: 540244

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 18.175 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX028701.D

Acq: 14 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

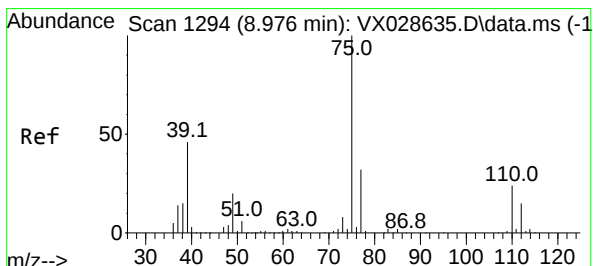
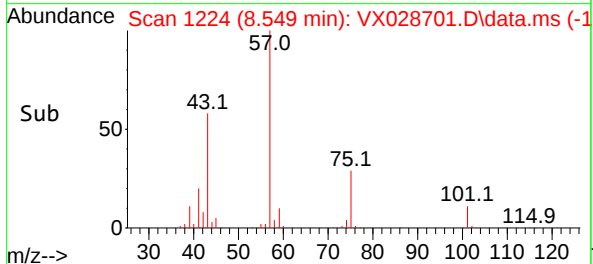
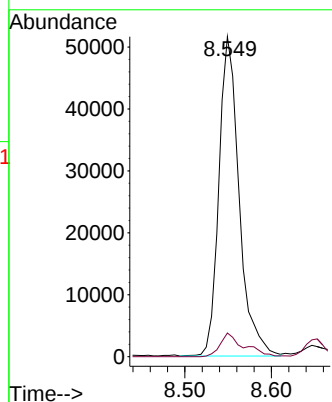
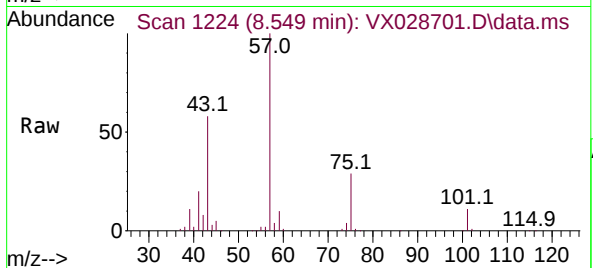
PB144781ZHE#02

Tgt Ion: 43 Resp: 83906

Ion Ratio Lower Upper

43 100

58 8.6 36.1 54.1#



#53

t-1,3-Dichloropropene

Concen: 1.651 ug/l

RT: 8.964 min Scan# 1292

Delta R.T. -0.012 min

Lab File: VX028701.D

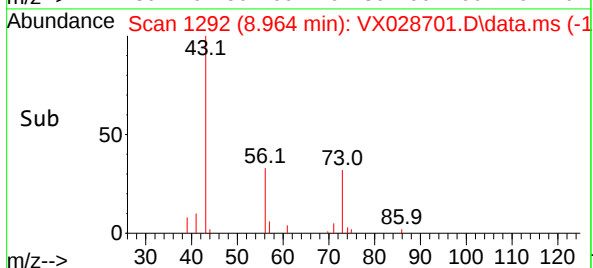
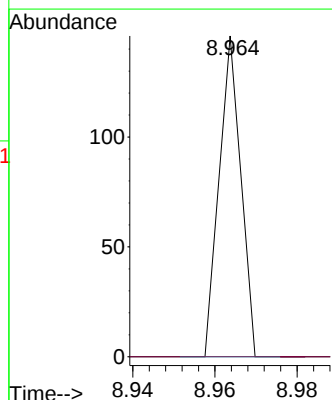
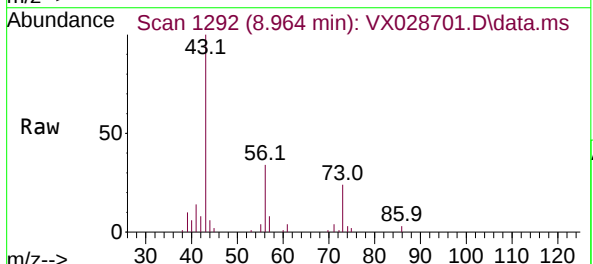
Acq: 14 May 2022 01:02

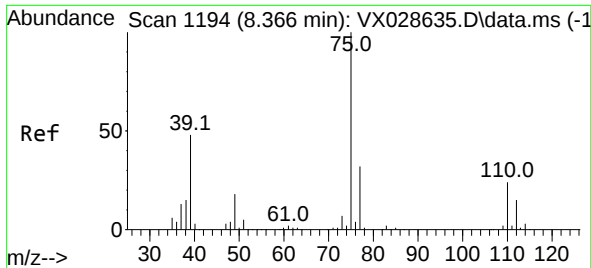
Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

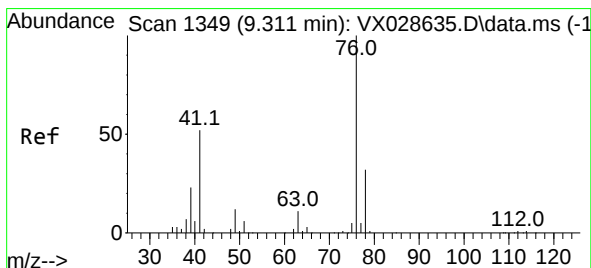
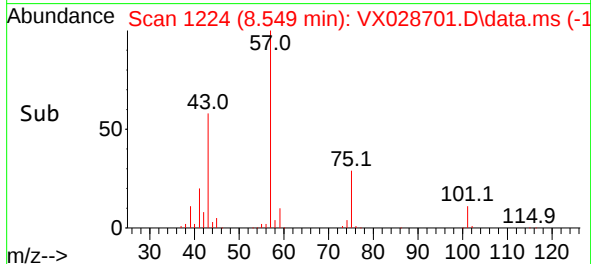
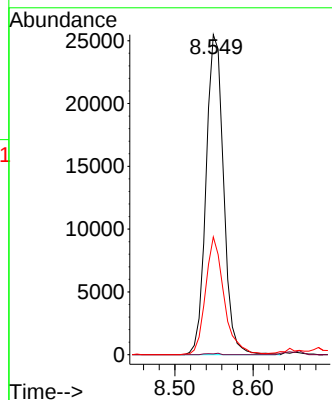
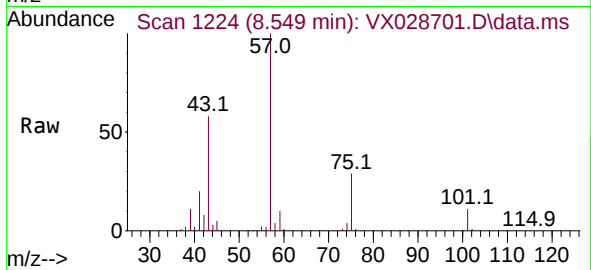




#54
 cis-1,3-Dichloropropene
 Concen: 8.225 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028701.D
 Acq: 14 May 2022 01:02

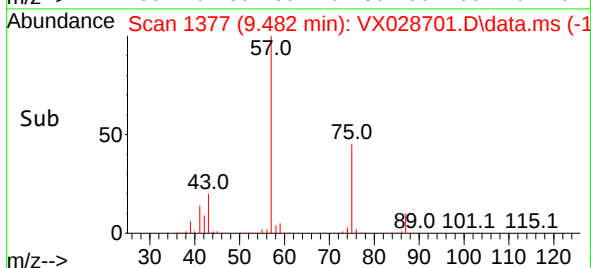
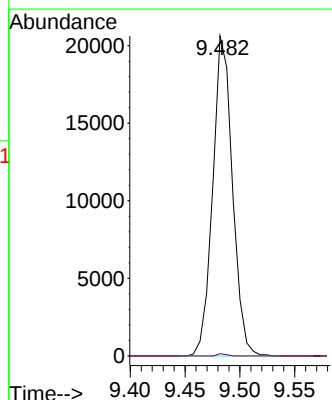
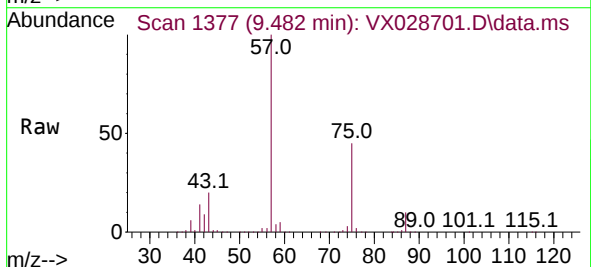
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#02

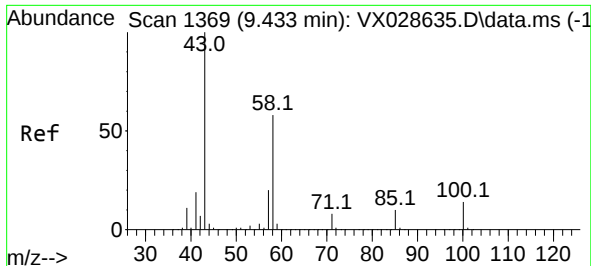
Tgt Ion: 75 Resp: 39464
 Ion Ratio Lower Upper
 75 100
 77 0.3 24.8 37.2#
 39 36.8 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.737 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028701.D
 Acq: 14 May 2022 01:02

Tgt Ion: 76 Resp: 25835
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 91.612 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028701.D

Acq: 14 May 2022 01:02

Instrument :

MSVOA_X

ClientSampleId :

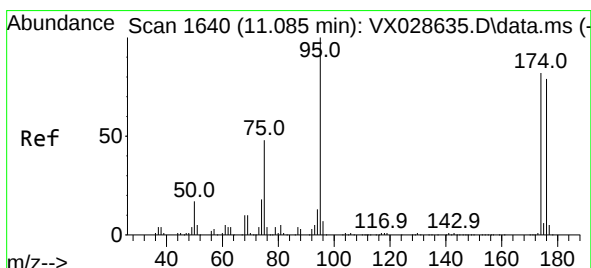
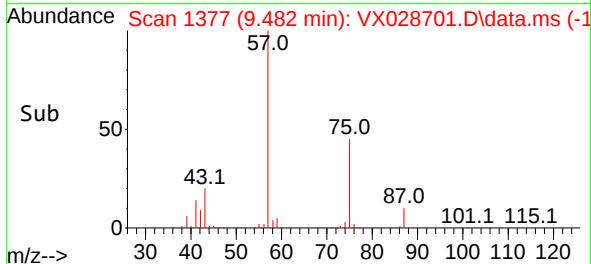
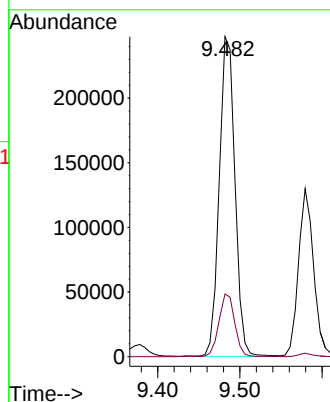
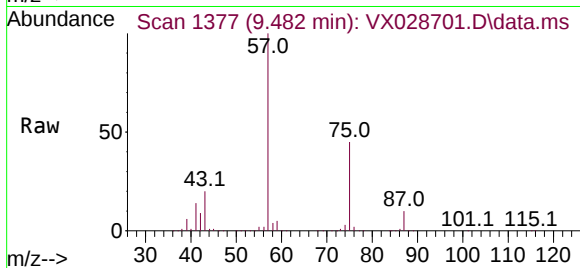
PB144781ZHE#02

Tgt Ion: 43 Resp: 328585

Ion Ratio Lower Upper

43 100

58 19.6 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 50.360 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX028701.D

Acq: 14 May 2022 01:02

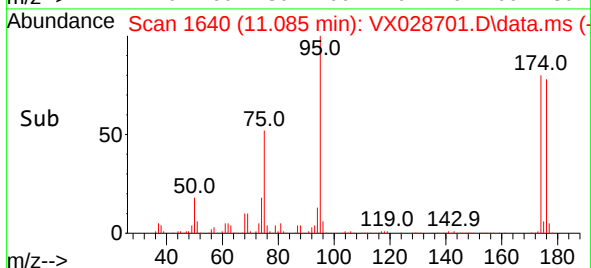
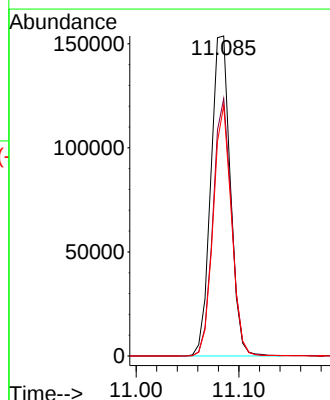
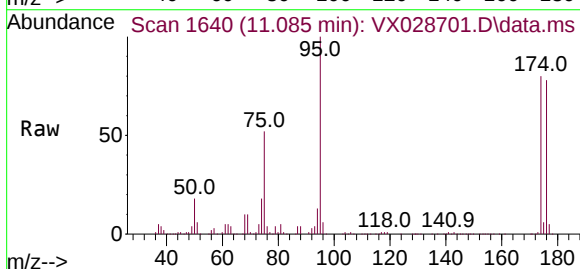
Tgt Ion: 95 Resp: 202514

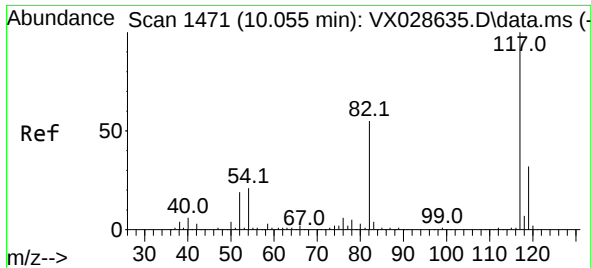
Ion Ratio Lower Upper

95 100

174 76.4 0.0 163.0

176 73.4 0.0 155.0

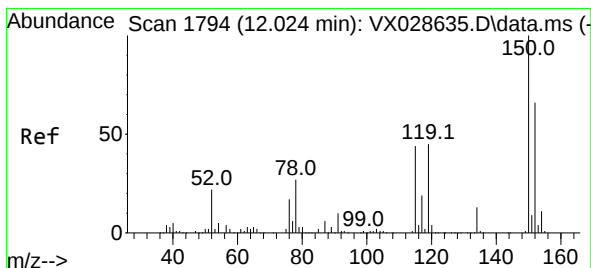
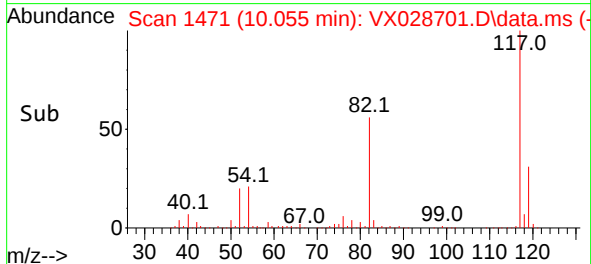
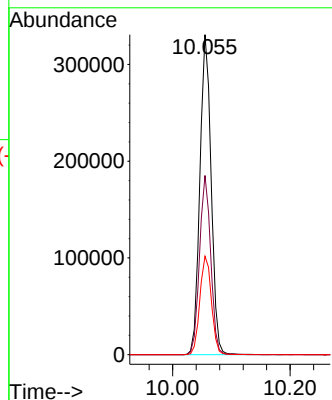
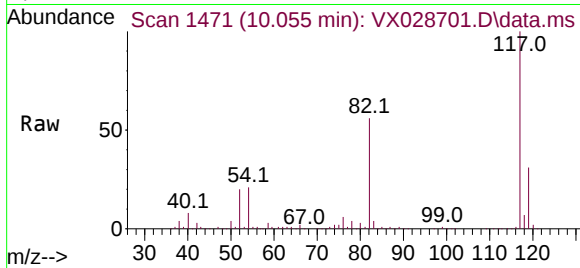




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

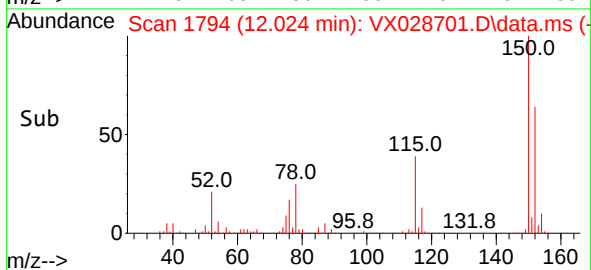
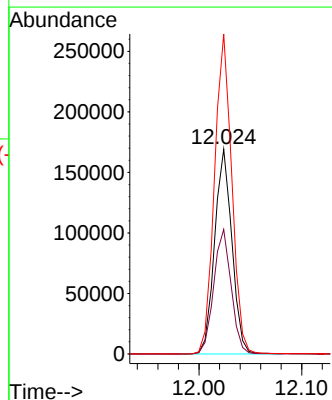
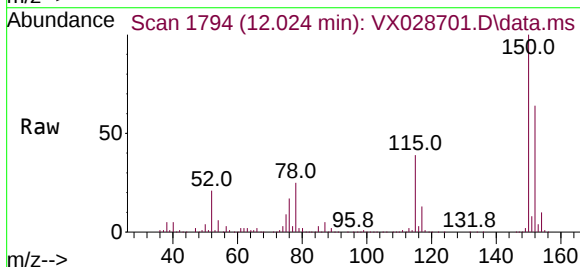
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

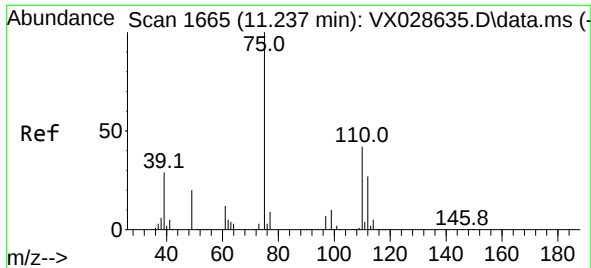
Tgt Ion:117 Resp: 438601
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 30.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion:152 Resp: 197806
Ion Ratio Lower Upper
152 100
115 61.3 37.5 112.7
150 156.2 0.0 338.2

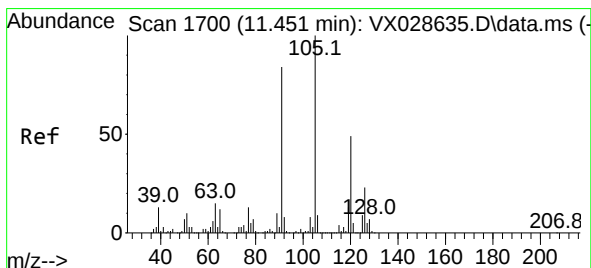
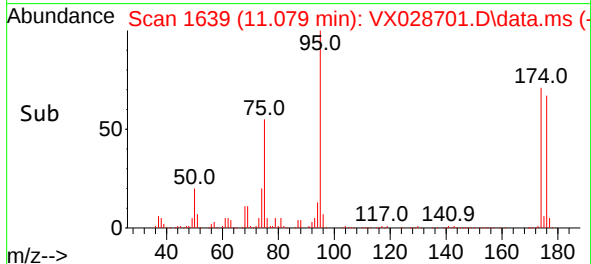
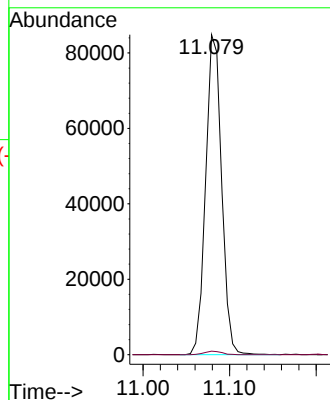
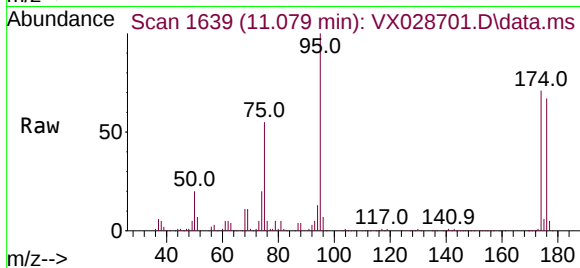




#76
1,2,3-Trichloropropane
Concen: 23.408 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

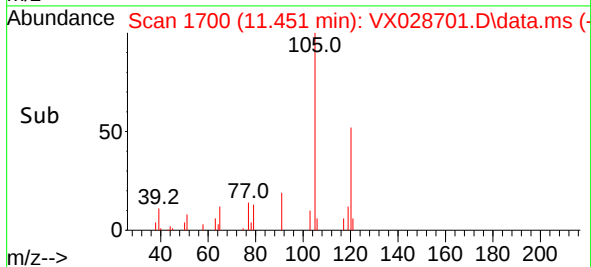
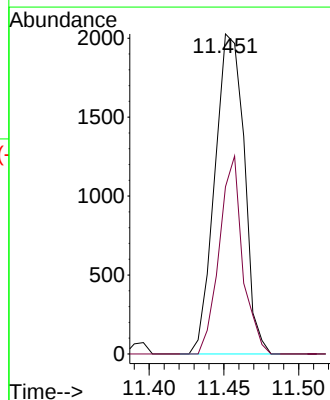
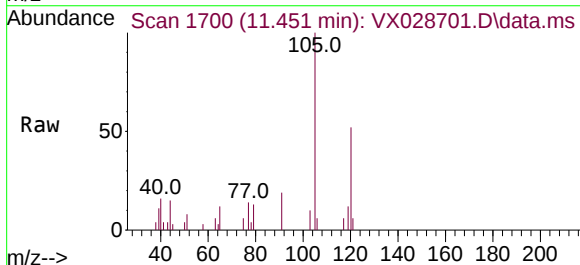
Instrument :
MSVOA_X
ClientSampleId :
PB144781ZHE#02

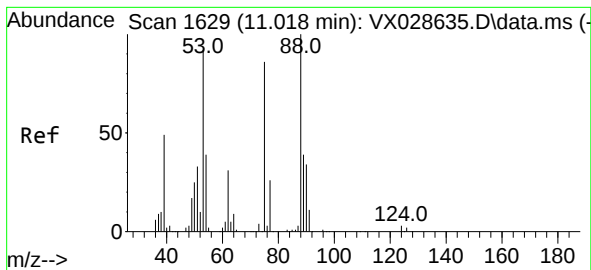
Tgt Ion: 75 Resp: 108435
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.222 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028701.D
Acq: 14 May 2022 01:02

Tgt Ion: 105 Resp: 2774
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.296 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028701.D
 Acq: 14 May 2022 01:02

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144781ZHE#02

Tgt Ion: 75 Resp: 108435
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

