

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010623\
 Data File : VX033635.D
 Acq On : 06 Jan 2023 16:57
 Operator : JC/MD
 Sample : PB050057ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#12

Quant Time: Jan 07 04:27:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X010423W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 05 04:43:25 2023
 Response via : Initial Calibration

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

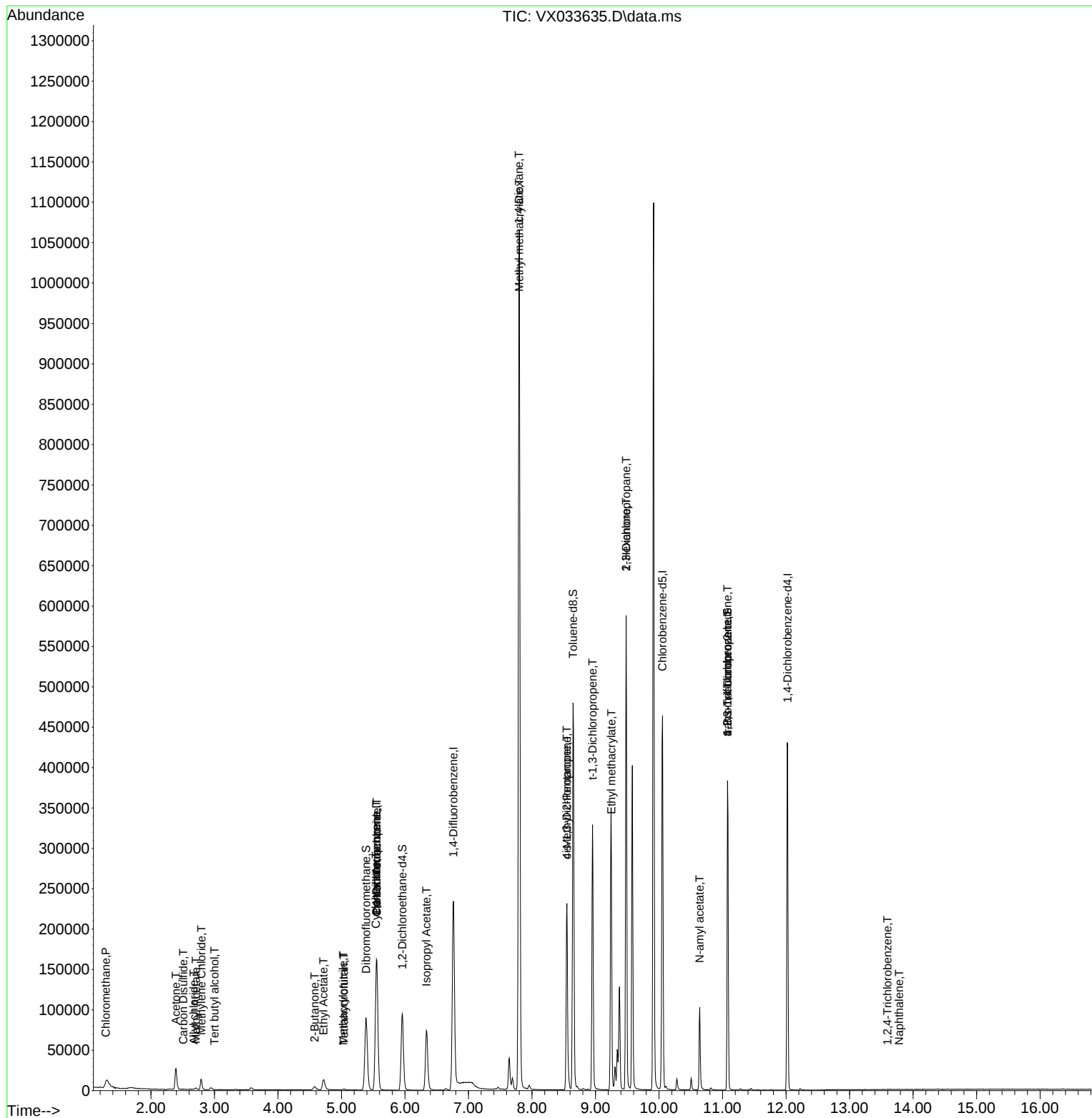
Internal Standards						
1) Pentafluorobenzene	5.549	168	164105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240444	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90759	48.992	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.980%		
35) Dibromofluoromethane	5.385	113	77014	48.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.460%		
50) Toluene-d8	8.646	98	281185	49.778	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.560%		
62) 4-Bromofluorobenzene	11.079	95	98456	49.172	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.340%		
Target Compounds						Qvalue
3) Chloromethane	1.288	50	346	0.208	ug/l #	42
11) Tert butyl alcohol	3.001	59	156	0.513	ug/l #	80
14) Allyl chloride	2.672	41	531	0.207	ug/l #	40
16) Acetone	2.391	43	34252	43.407	ug/l	100
17) Carbon Disulfide	2.507	76	250	1.691	ug/l #	74
18) Methyl Acetate	2.708	43	2429	0.946	ug/l #	90
20) Methylene Chloride	2.794	84	5578	1.434	ug/l	97
25) 2-Butanone	4.574	43	7220	5.969	ug/l	99
29) Tetrahydrofuran	5.037	42	1030	1.343	ug/l #	82
31) Cyclohexane	5.543	56	2955	1.146	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	11431	5.340	ug/l #	50
37) Ethyl Acetate	4.714	43	24292	8.476	ug/l	100
38) Carbon Tetrachloride	5.556	117	15524	6.852	ug/l #	15
41) Methacrylonitrile	5.025	41	511	0.393	ug/l #	41
43) Isopropyl Acetate	6.336	43	104130	28.450	ug/l	99
48) Methyl methacrylate	7.799	41	92909	50.147	ug/l #	45
49) 1,4-Dioxane	7.793	88	110	2.791	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	84723	36.572	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	710	0.414	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36041	14.894	ug/l #	58
56) Ethyl methacrylate	9.250	69	650	0.270	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4800	1.741	ug/l #	42
59) 2-Hexanone	9.482	43	70798	41.370	ug/l #	50
74) N-amyl acetate	10.640	43	28353	10.087	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	48540	26.975	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	48540	81.872	ug/l #	7
93) 1,2,4-Trichlorobenzene	13.597	180	75	1.627	ug/l #	36
95) Naphthalene	13.780	128	210	3.146	ug/l #	69

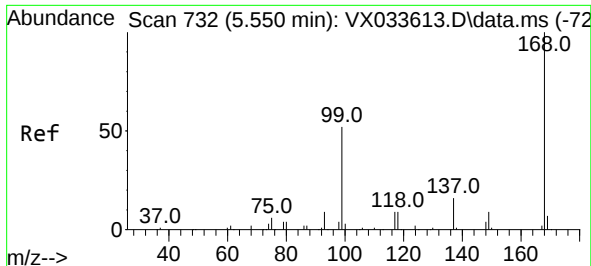
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 05 04:43:25 2023
Response via : Initial Calibration

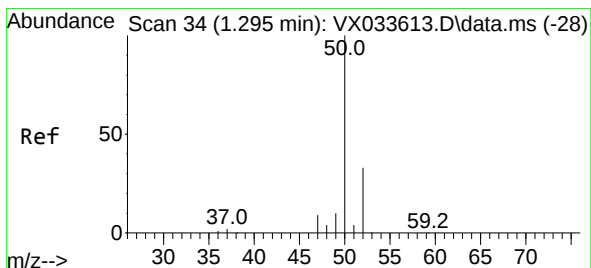
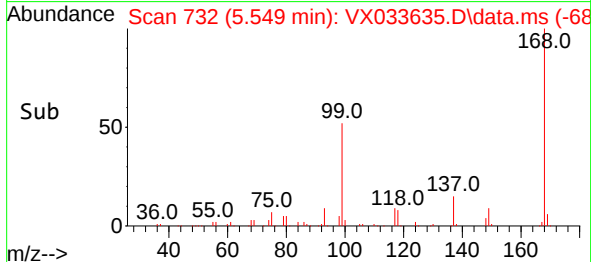
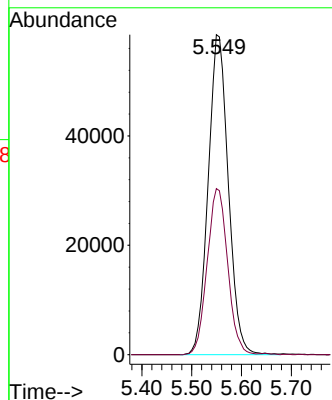
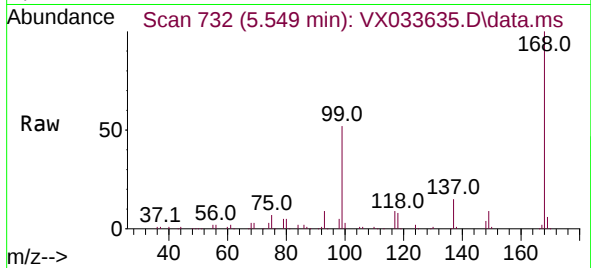




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

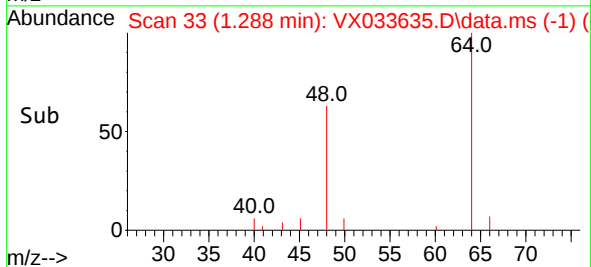
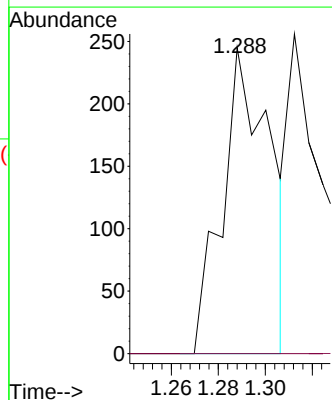
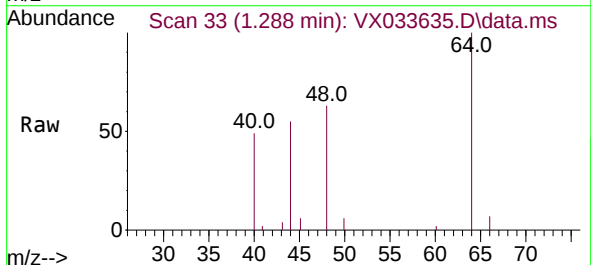
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

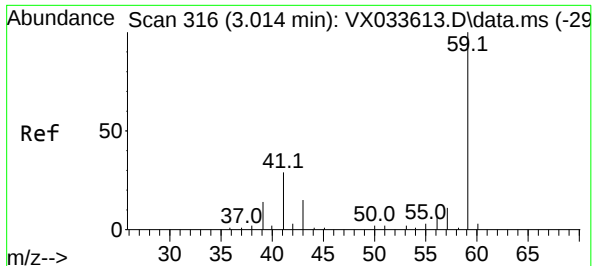
Tgt Ion:168 Resp: 164105
Ion Ratio Lower Upper
168 100
99 51.9 41.4 62.2



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.007 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 50 Resp: 346
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 0.513 ug/l

RT: 3.001 min Scan# 31

Delta R.T. -0.013 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

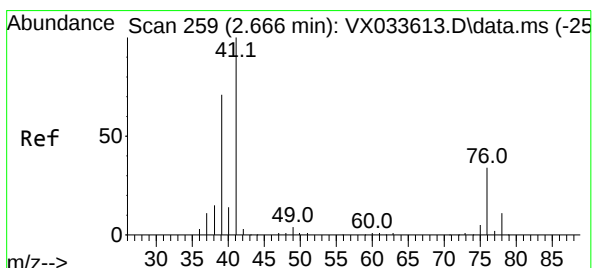
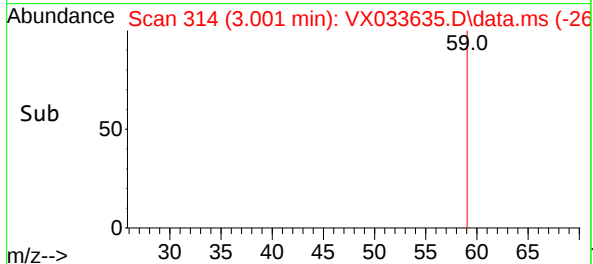
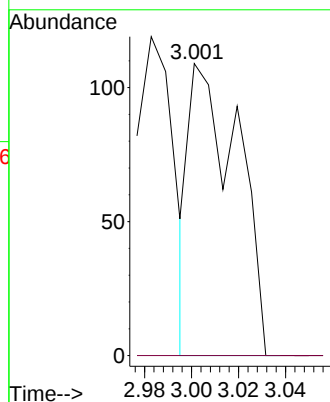
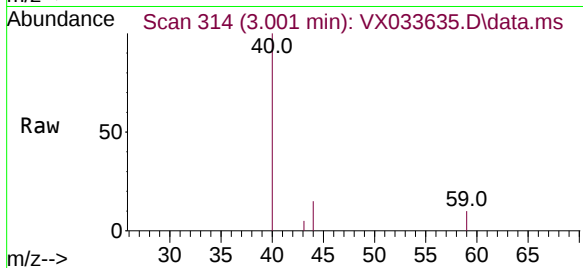
PB050057ZHE#12

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#



#14

Allyl chloride

Concen: 0.207 ug/l

RT: 2.672 min Scan# 260

Delta R.T. 0.006 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

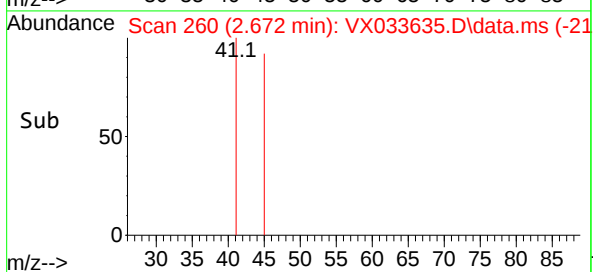
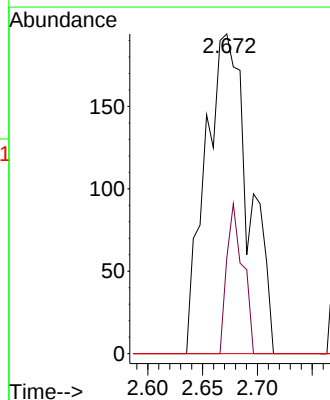
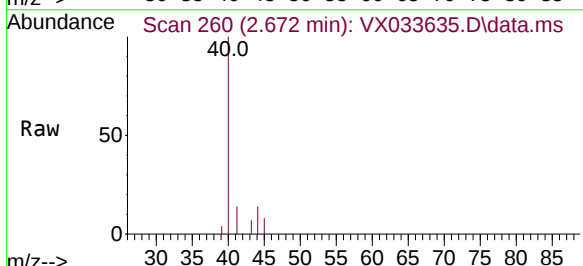
Tgt Ion: 41 Resp: 531

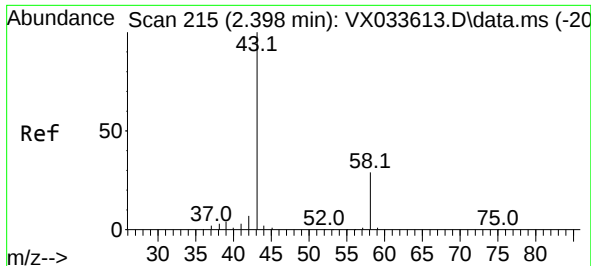
Ion Ratio Lower Upper

41 100

39 17.5 53.3 79.9#

76 0.0 25.0 37.4#

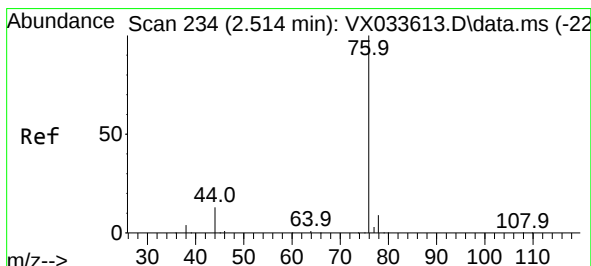
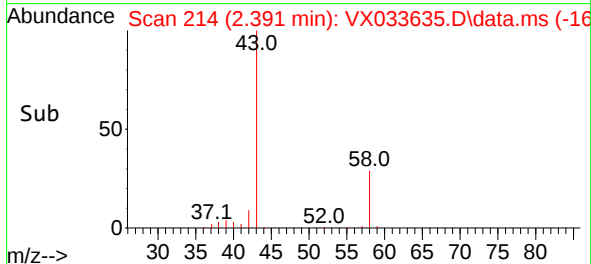
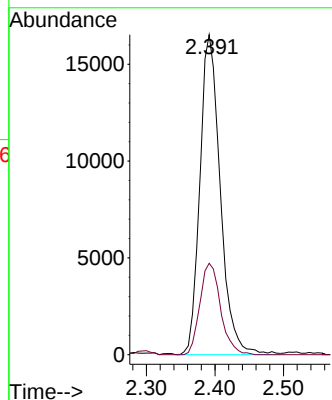
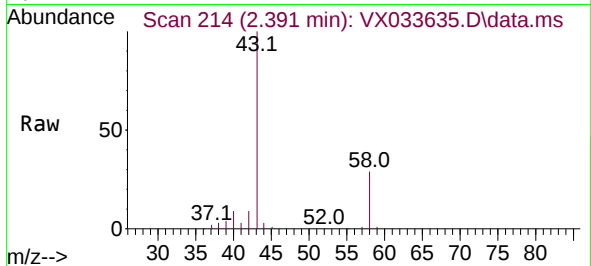




#16
Acetone
Concen: 43.407 ug/l
RT: 2.391 min Scan# 215
Delta R.T. -0.007 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

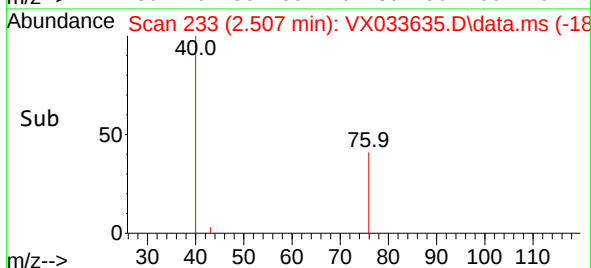
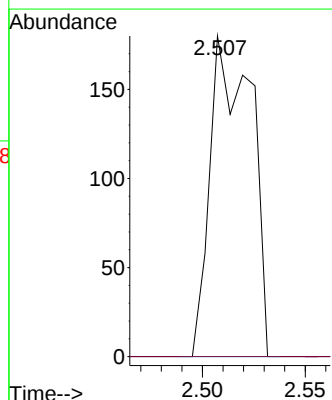
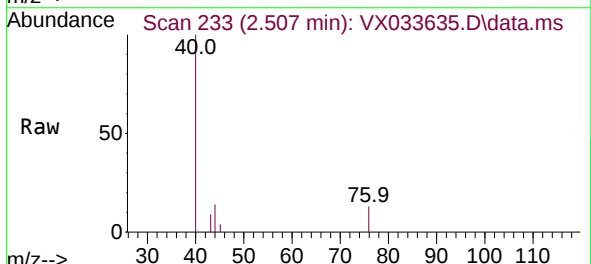
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

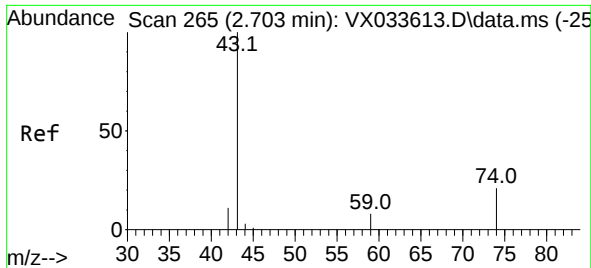
Tgt Ion: 43 Resp: 34252
Ion Ratio Lower Upper
43 100
58 28.5 22.9 34.3



#17
Carbon Disulfide
Concen: 1.691 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.007 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 76 Resp: 250
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

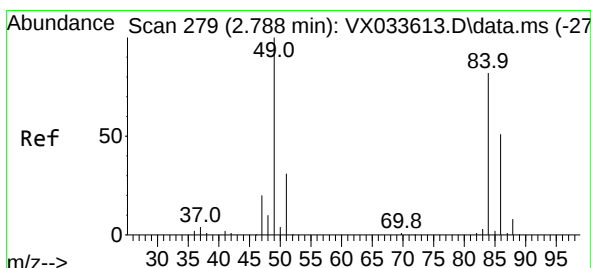
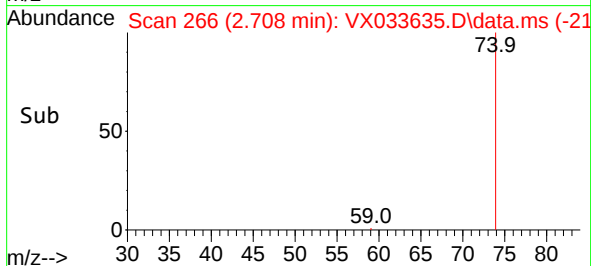
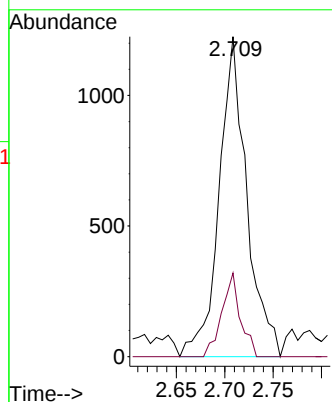
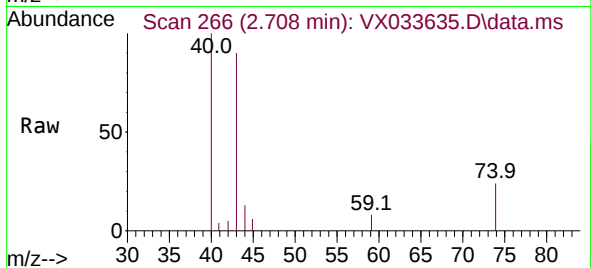




#18
Methyl Acetate
Concen: 0.946 ug/l
RT: 2.708 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

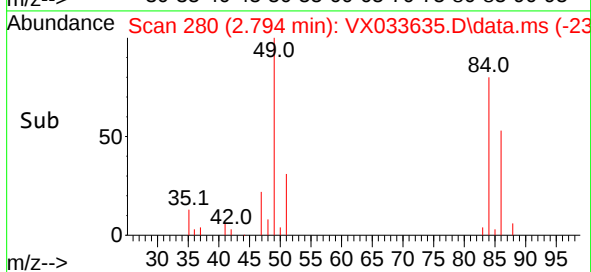
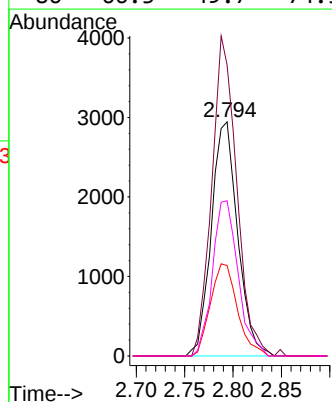
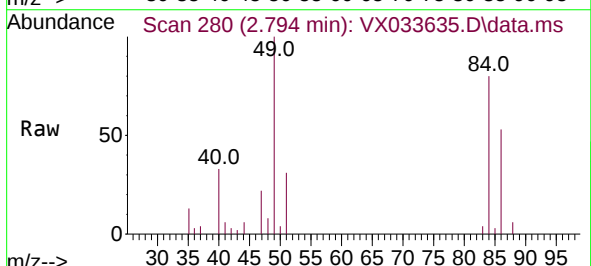
Instrument :
MSVOA_X
ClientSampleId :
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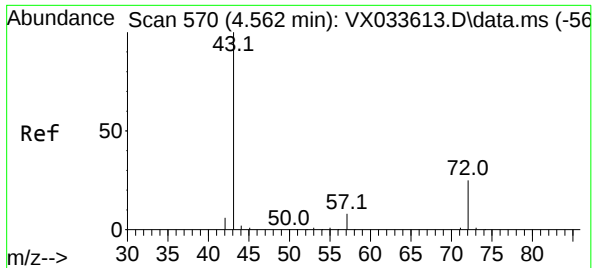
Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
74 17.5 17.9 26.9#



#20
Methylene Chloride
Concen: 1.434 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 84 Resp: 5578
Ion Ratio Lower Upper
84 100
49 124.3 97.6 146.4
51 38.6 30.4 45.6
86 66.3 49.7 74.5

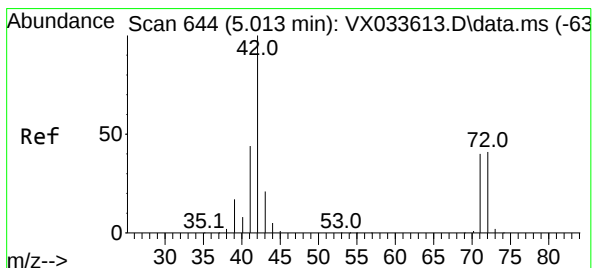
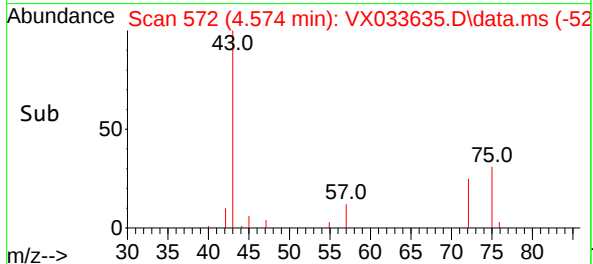
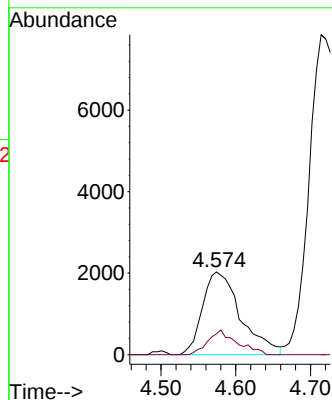
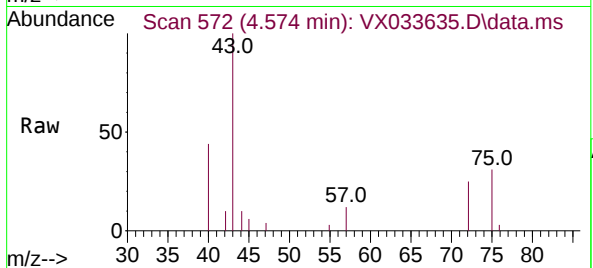




#25
2-Butanone
Concen: 5.969 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

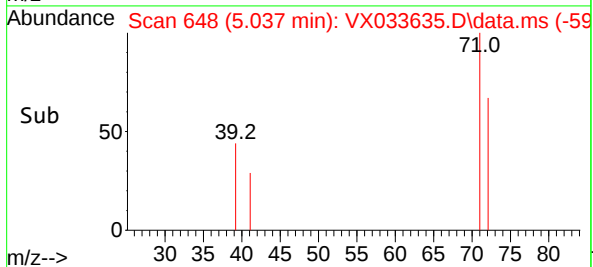
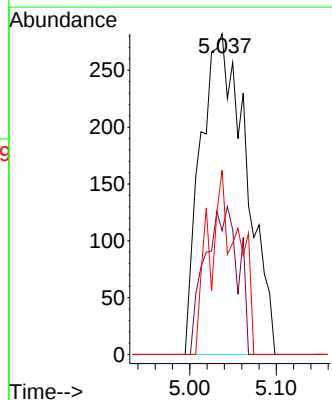
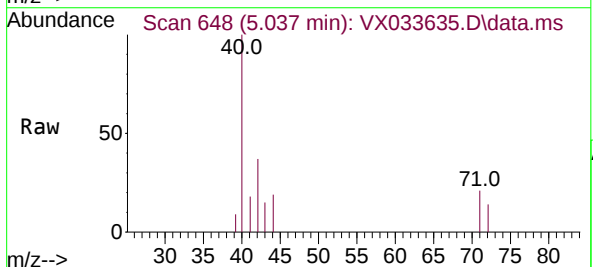
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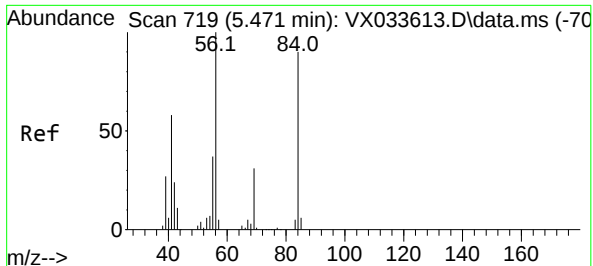
Tgt Ion: 43 Resp: 7220
Ion Ratio Lower Upper
43 100
72 25.2 19.8 29.6



#29
Tetrahydrofuran
Concen: 1.343 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.024 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

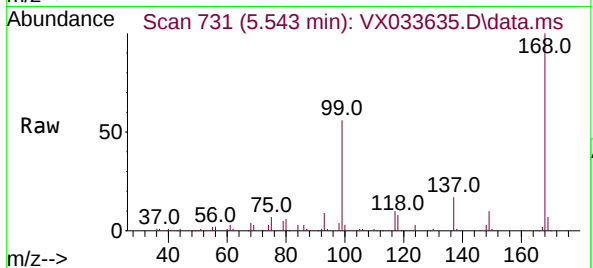
Tgt Ion: 42 Resp: 1030
Ion Ratio Lower Upper
42 100
72 33.5 34.2 51.4#
71 25.9 31.4 47.0#



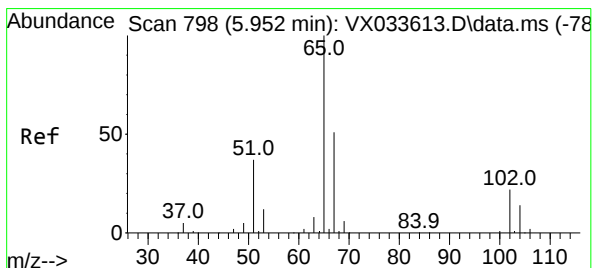
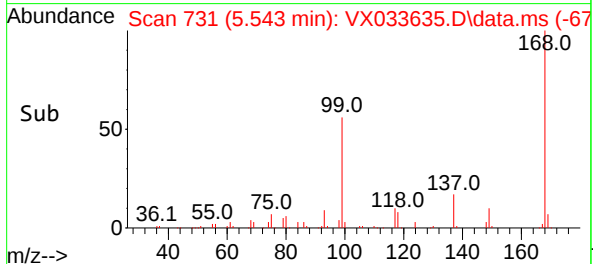
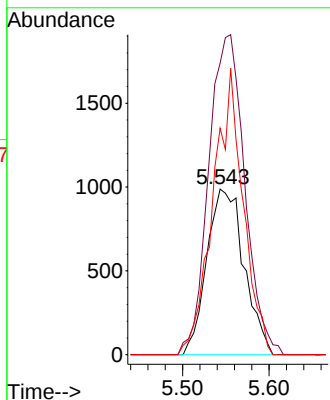


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Instrument :
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ClientSampleId :
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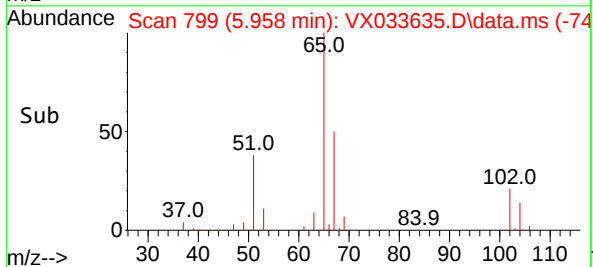
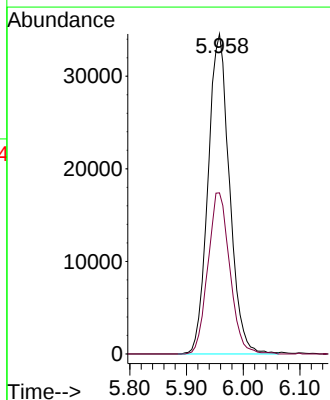
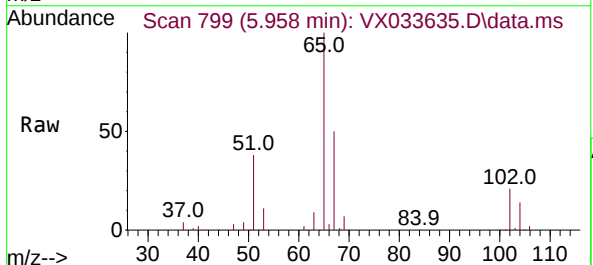


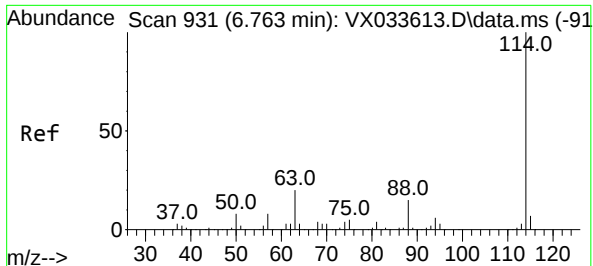
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 176.0 24.6 36.8#
84 136.7 72.2 108.2#



#33
1,2-Dichloroethane-d4
Concen: 48.992 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 65 Resp: 90759
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

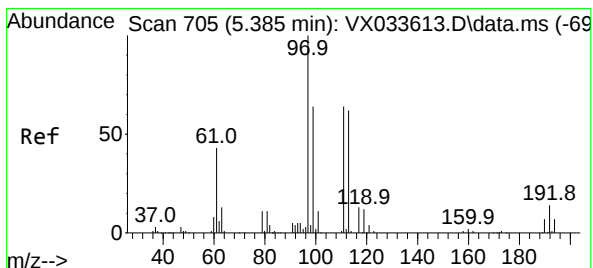
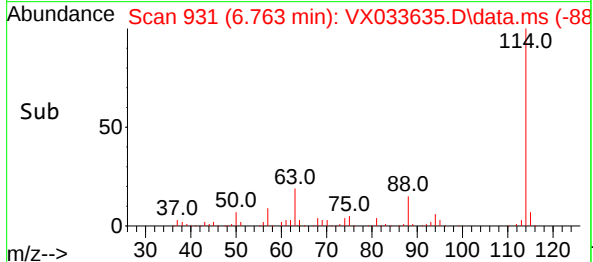
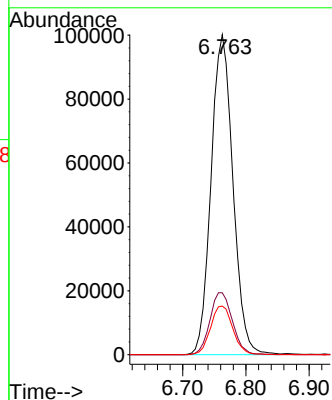
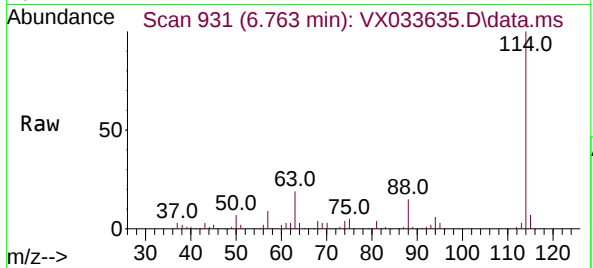




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

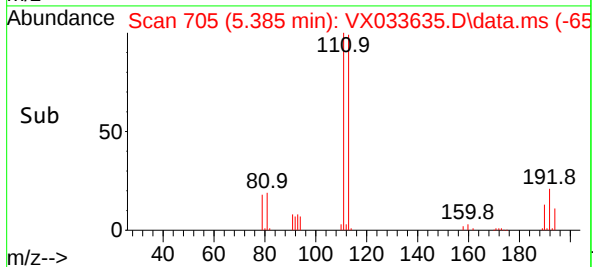
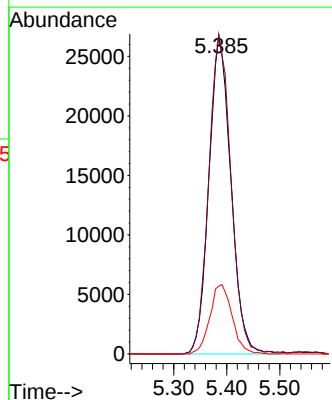
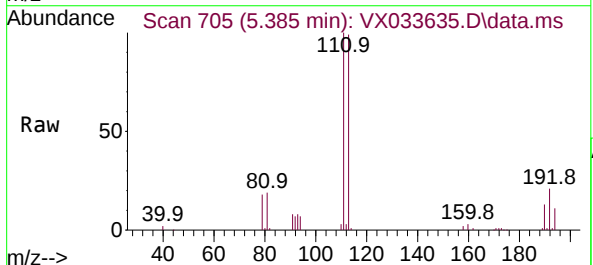
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

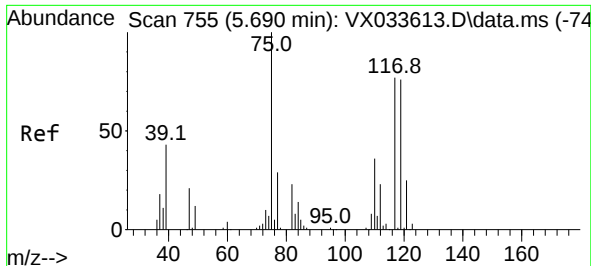
Tgt Ion:114 Resp: 240444
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.0
88 15.2 0.0 29.6



#35
Dibromofluoromethane
Concen: 48.730 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion:113 Resp: 77014
Ion Ratio Lower Upper
113 100
111 101.6 81.2 121.8
192 22.0 18.2 27.2





#36

1,1-Dichloropropene

Concen: 5.340 ug/l

RT: 5.549 min Scan# 71

Delta R.T. -0.141 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#12

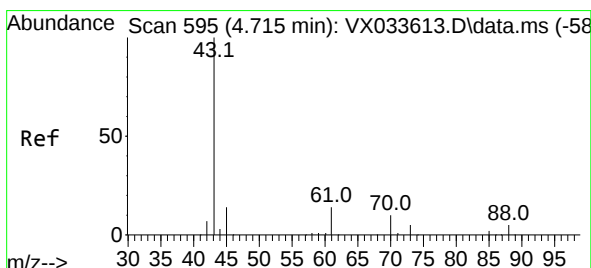
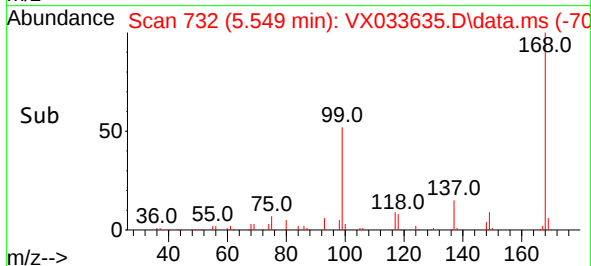
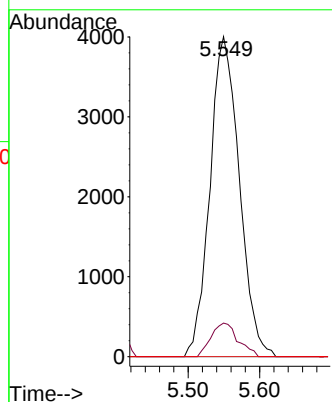
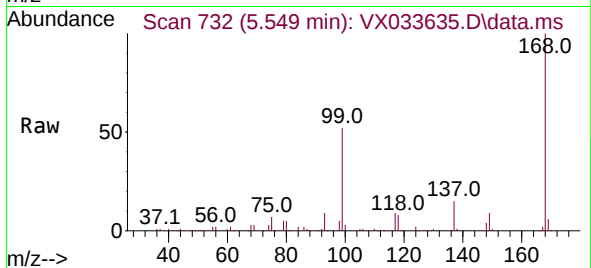
Tgt Ion: 75 Resp: 11431

Ion Ratio Lower Upper

75 100

110 9.7 18.0 54.0#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 8.476 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

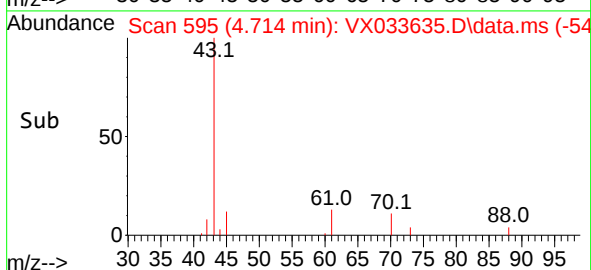
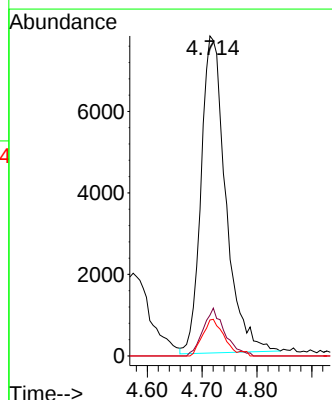
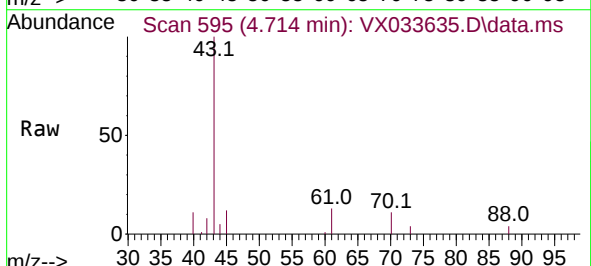
Tgt Ion: 43 Resp: 24292

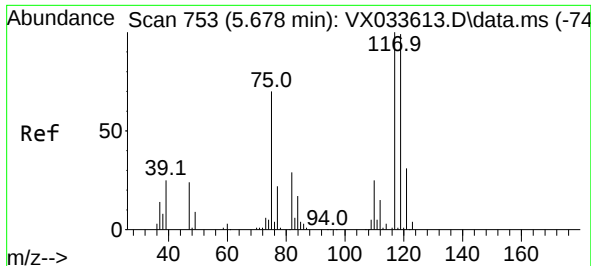
Ion Ratio Lower Upper

43 100

61 13.3 10.6 16.0

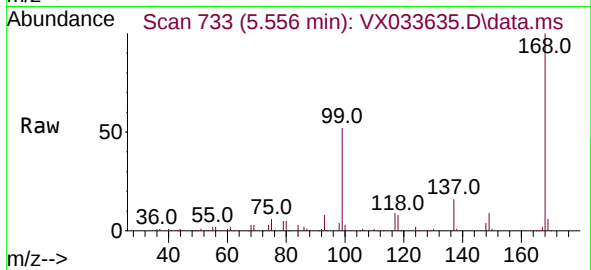
70 10.2 8.1 12.1



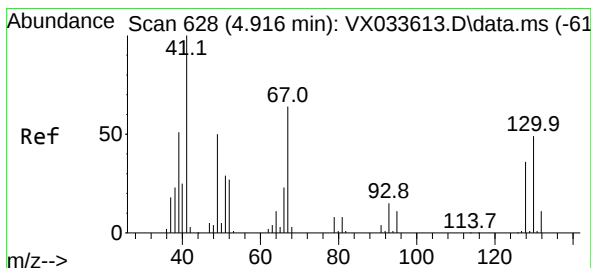
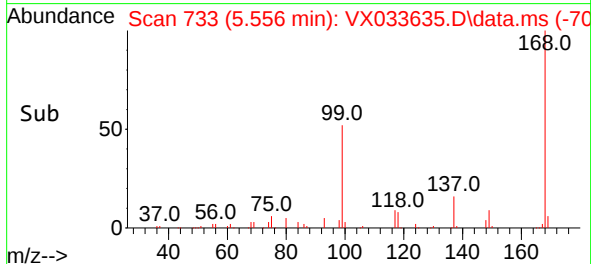
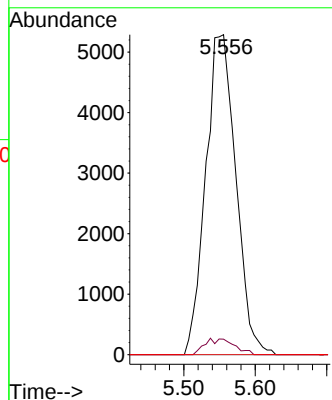


#38
Carbon Tetrachloride
Concen: 6.852 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

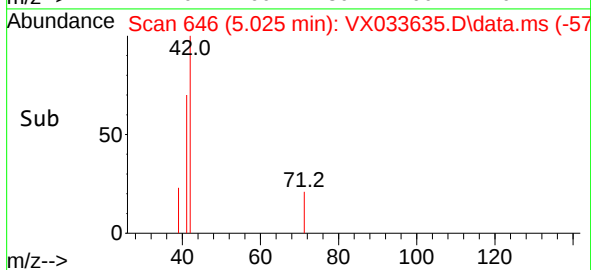
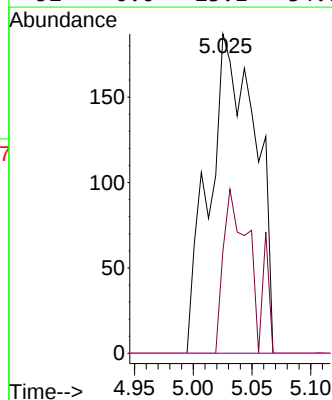
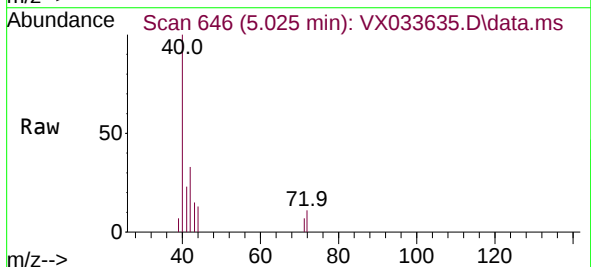


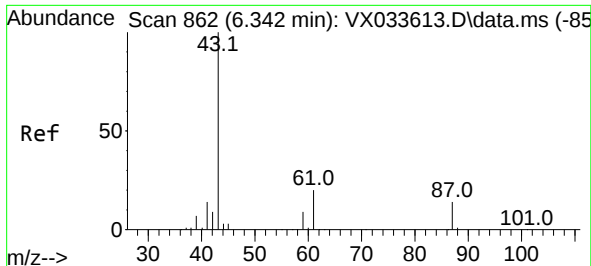
Tgt Ion:117 Resp: 15524
Ion Ratio Lower Upper
117 100
119 4.9 78.8 118.2#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 0.393 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.109 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 41 Resp: 511
Ion Ratio Lower Upper
41 100
39 31.5 44.1 66.1#
67 0.0 53.8 80.6#
52 0.0 23.1 34.7#





#43

Isopropyl Acetate

Concen: 28.450 ug/l

RT: 6.336 min Scan# 8

Delta R.T. -0.007 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#12

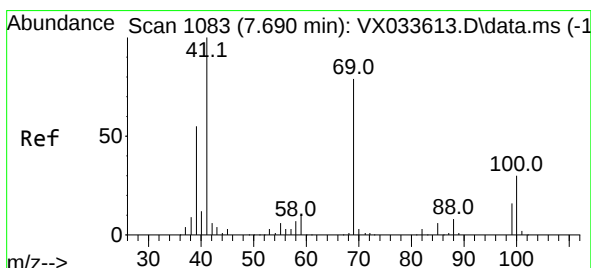
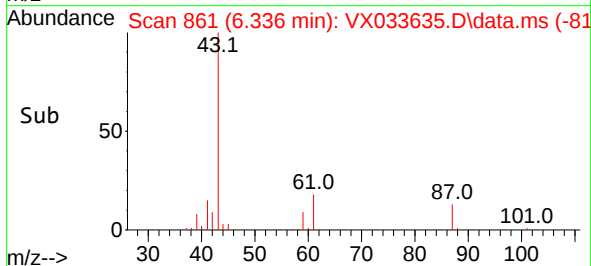
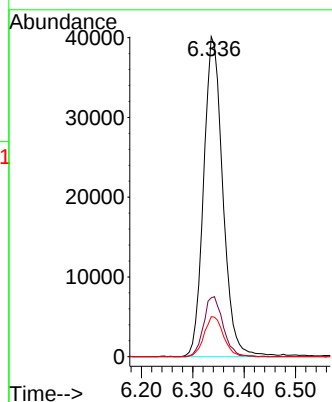
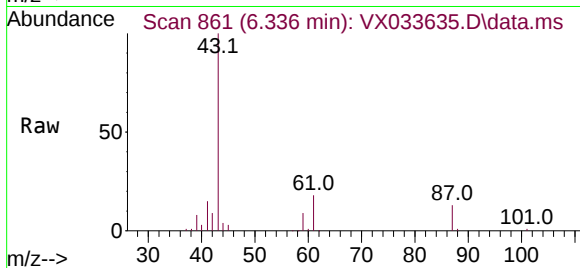
Tgt Ion: 43 Resp: 104130

Ion Ratio Lower Upper

43 100

61 18.9 15.2 22.8

87 12.6 10.6 16.0



#48

Methyl methacrylate

Concen: 50.147 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

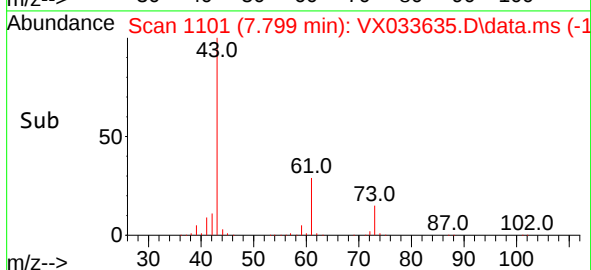
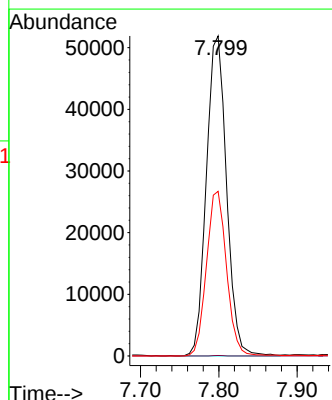
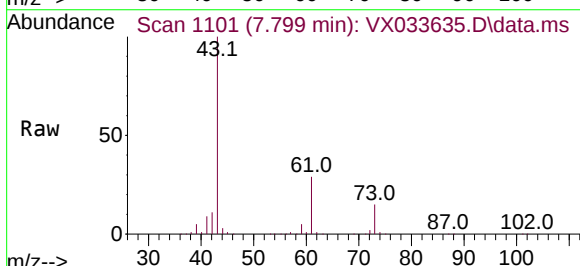
Tgt Ion: 41 Resp: 92909

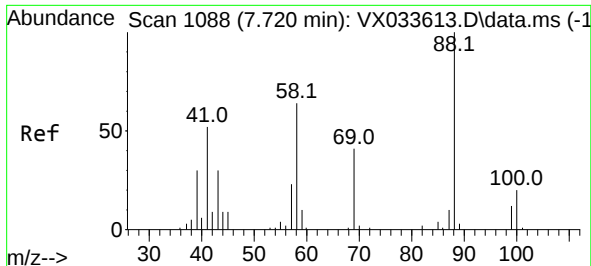
Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 51.2 44.8 67.2





#49

1,4-Dioxane

Concen: 2.791 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.073 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#12

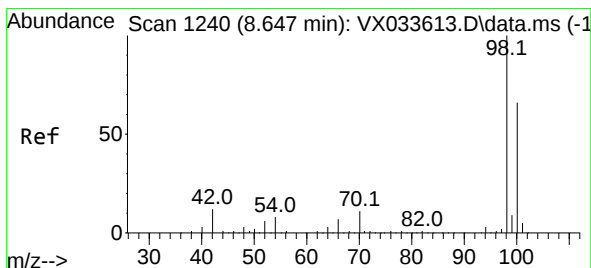
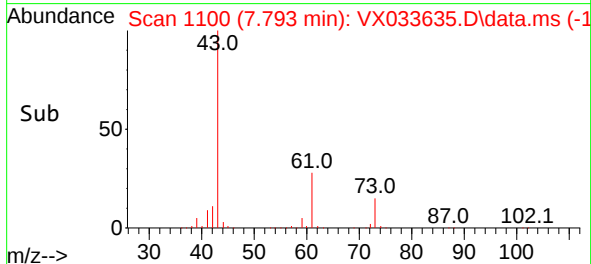
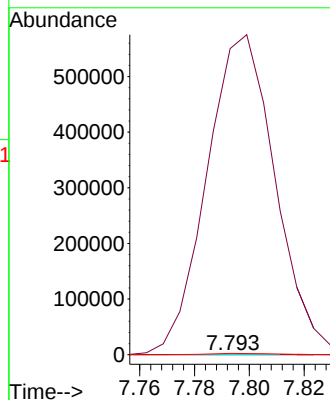
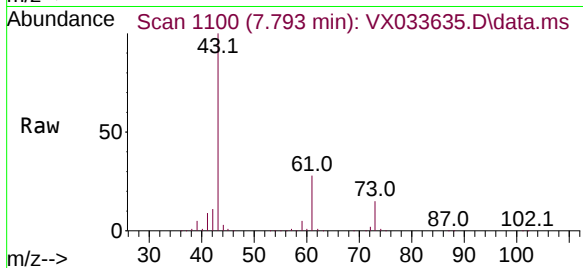
Tgt Ion: 88 Resp: 110

Ion Ratio Lower Upper

88 100

43 918819.1 24.1 36.1#

58 3616.4 57.1 85.7#



#50

Toluene-d8

Concen: 49.778 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033635.D

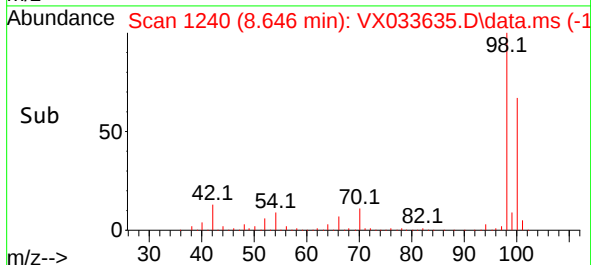
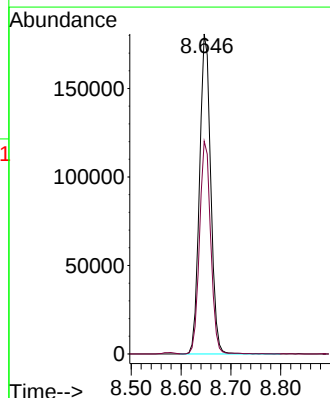
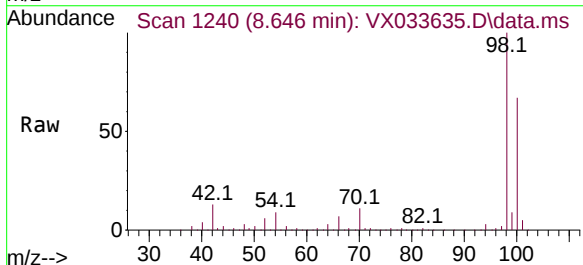
Acq: 06 Jan 2023 16:57

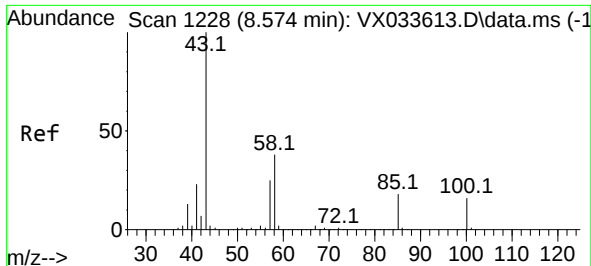
Tgt Ion: 98 Resp: 281185

Ion Ratio Lower Upper

98 100

100 66.6 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 36.572 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

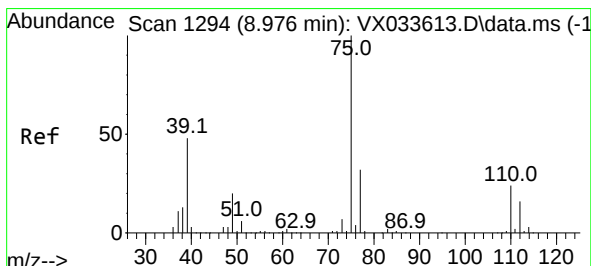
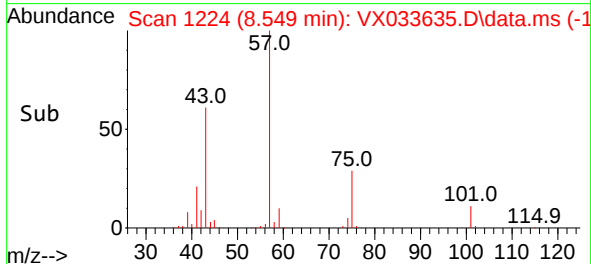
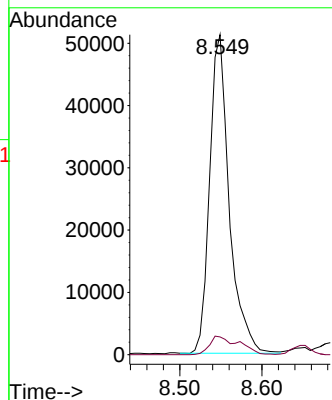
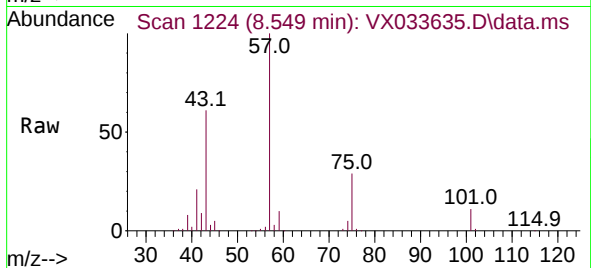
PB050057ZHE#12

Tgt Ion: 43 Resp: 84723

Ion Ratio Lower Upper

43 100

58 8.8 30.5 45.7#



#53

t-1,3-Dichloropropene

Concen: 0.414 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX033635.D

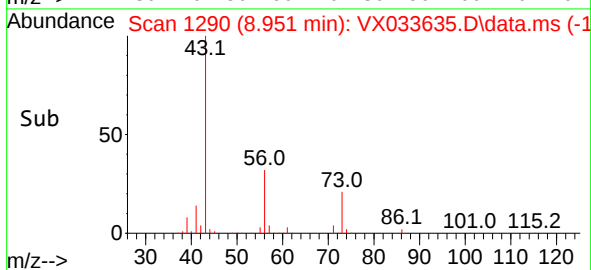
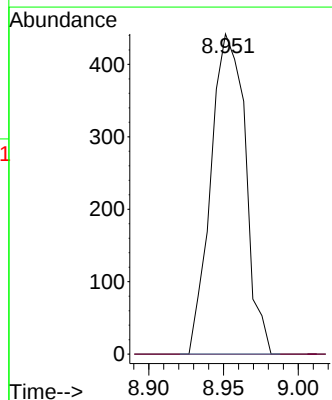
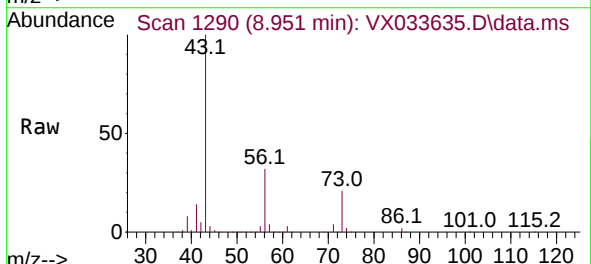
Acq: 06 Jan 2023 16:57

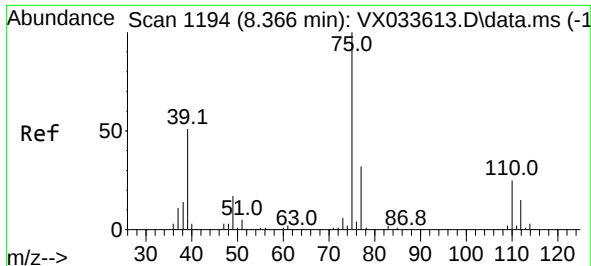
Tgt Ion: 75 Resp: 710

Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

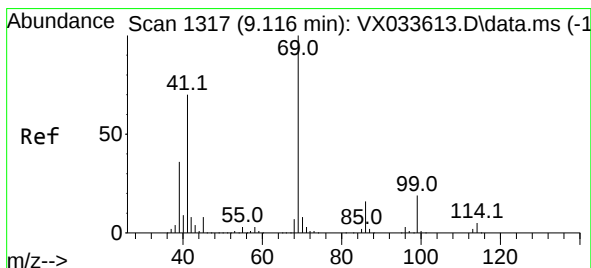
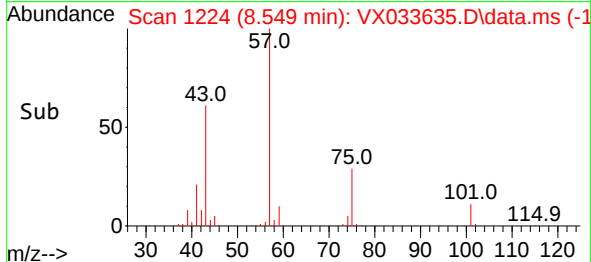
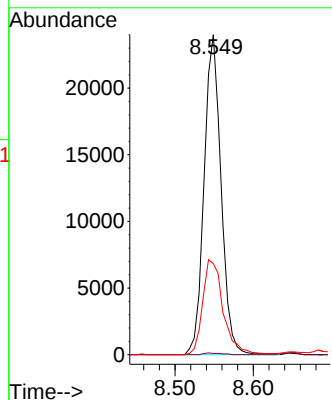
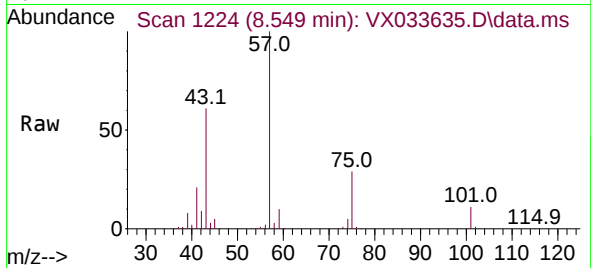




#54
 cis-1,3-Dichloropropene
 Concen: 14.894 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033635.D
 Acq: 06 Jan 2023 16:57

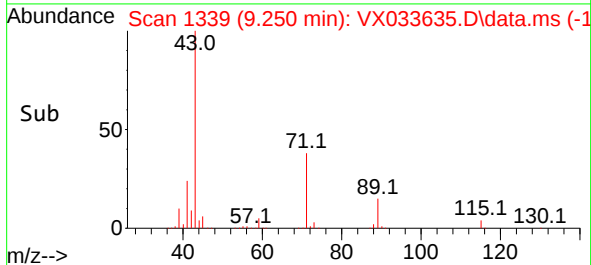
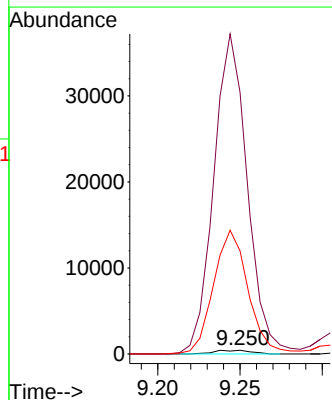
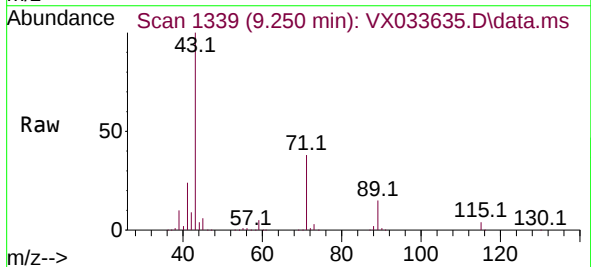
Instrument :
 MSVOA_X
 ClientSampleId :
 PB050057ZHE#12

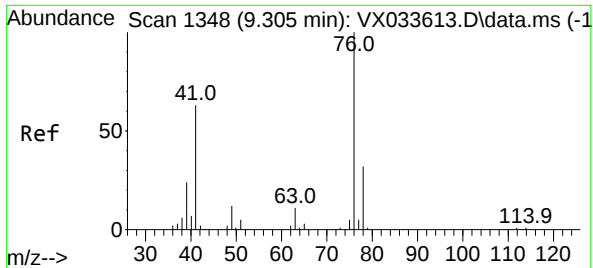
Tgt Ion: 75 Resp: 36041
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.5 38.3#
 39 28.5 40.6 61.0#



#56
 Ethyl methacrylate
 Concen: 0.270 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX033635.D
 Acq: 06 Jan 2023 16:57

Tgt Ion: 69 Resp: 650
 Ion Ratio Lower Upper
 69 100
 41 8151.5 56.6 84.8#
 39 3248.8 29.4 44.0#

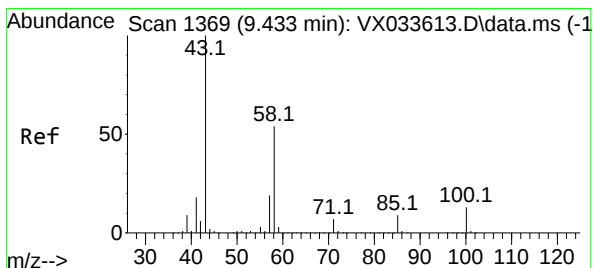
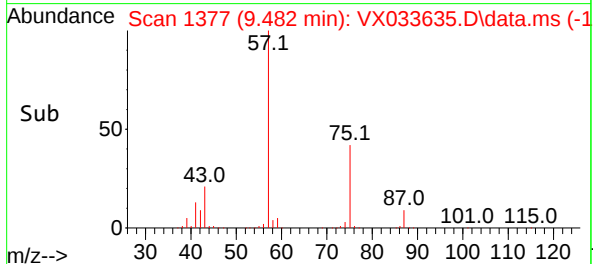
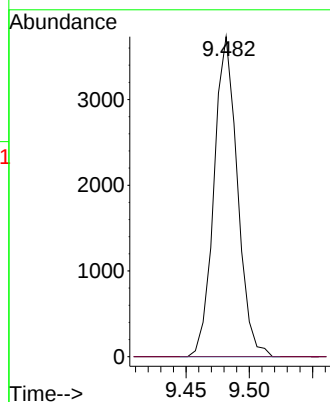
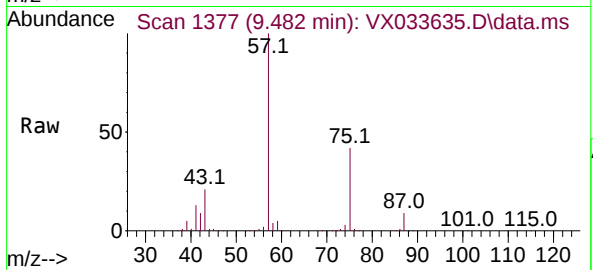




#57
1,3-Dichloropropane
Concen: 1.741 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.176 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

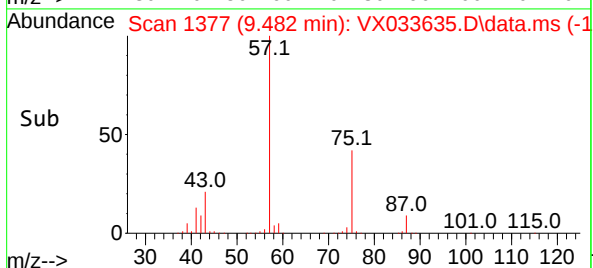
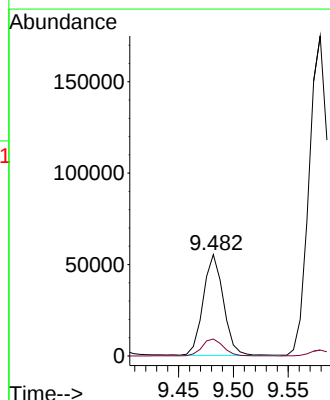
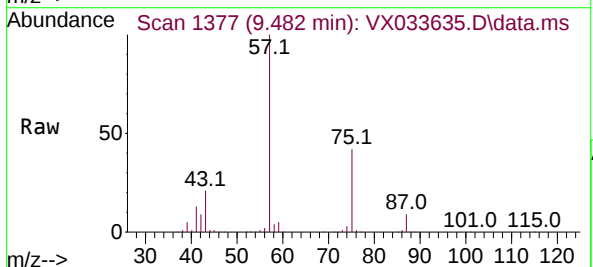
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

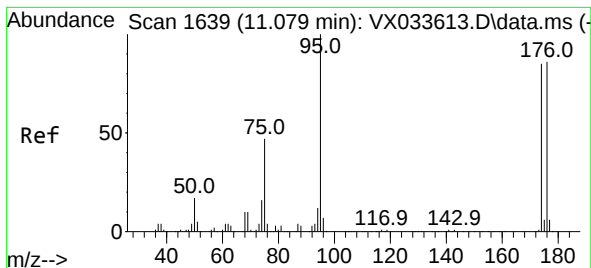
Tgt Ion: 76 Resp: 4800
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#



#59
2-Hexanone
Concen: 41.370 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.048 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 43 Resp: 70798
Ion Ratio Lower Upper
43 100
58 17.9 26.6 79.8#





#62

4-Bromofluorobenzene

Concen: 49.172 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

Instrument :

MSVOA_X

ClientSampleId :

PB050057ZHE#12

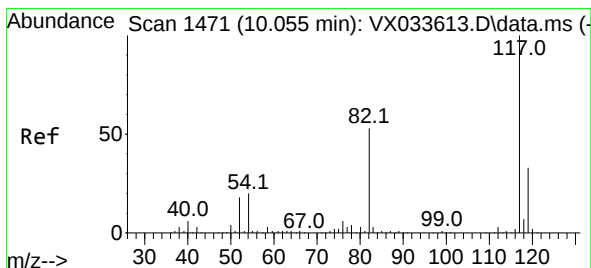
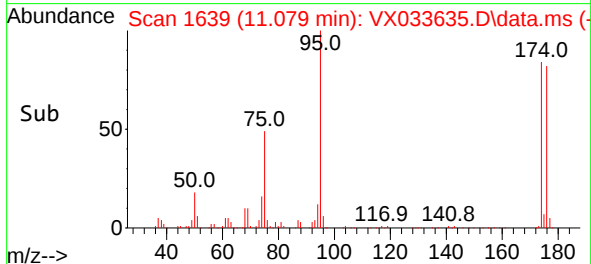
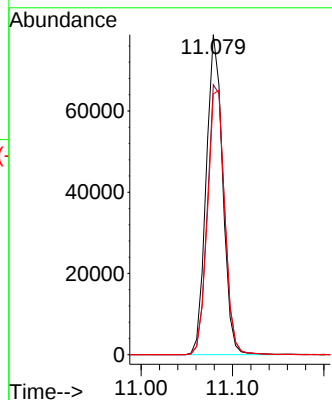
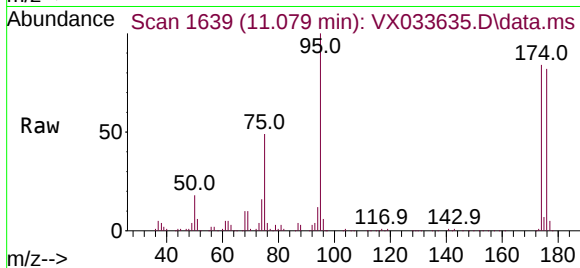
Tgt Ion: 95 Resp: 98456

Ion Ratio Lower Upper

95 100

174 88.2 0.0 180.4

176 86.7 0.0 176.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033635.D

Acq: 06 Jan 2023 16:57

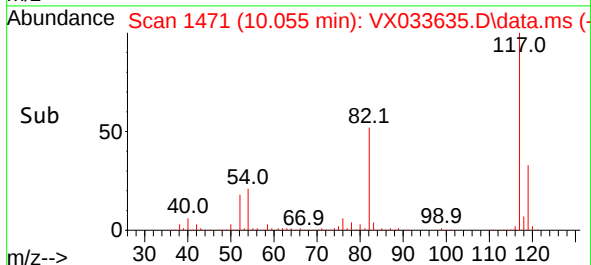
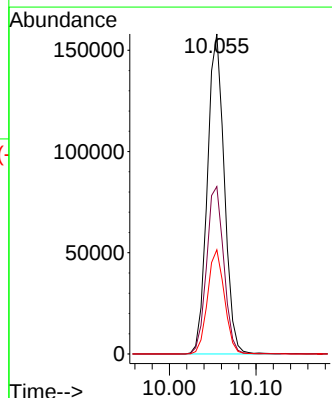
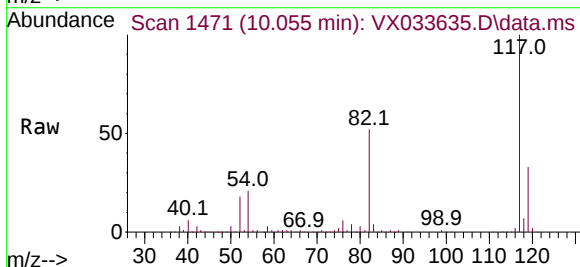
Tgt Ion: 117 Resp: 214459

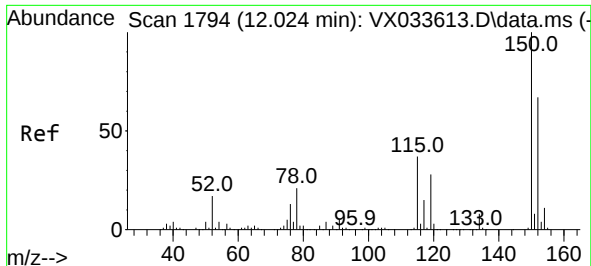
Ion Ratio Lower Upper

117 100

82 52.3 42.2 63.2

119 32.6 26.2 39.4

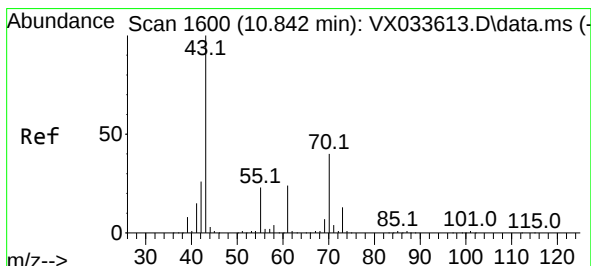
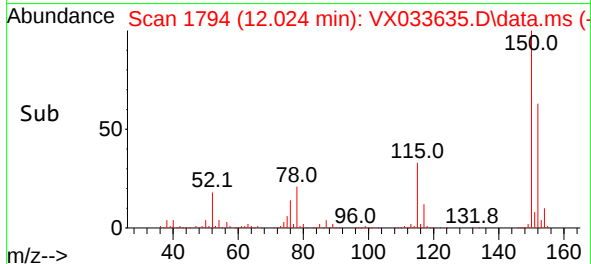
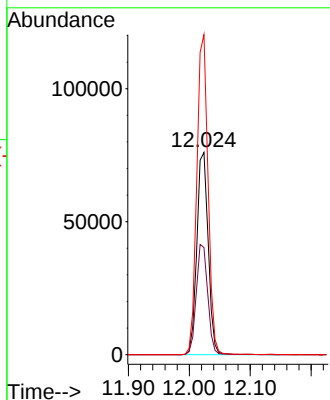
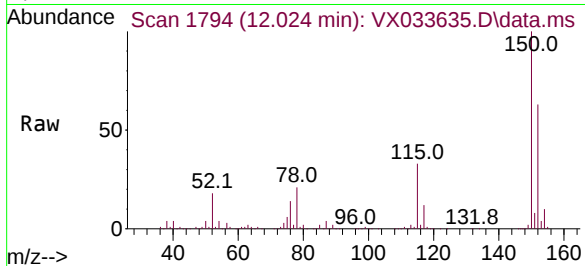




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

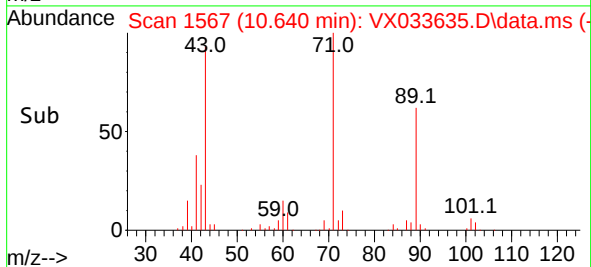
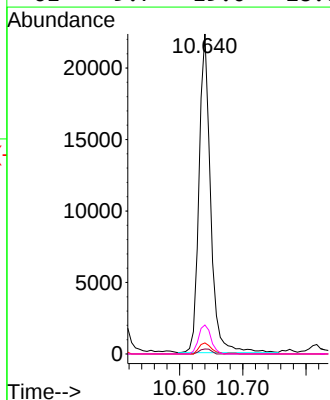
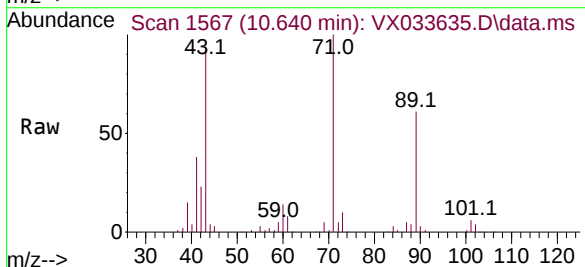
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

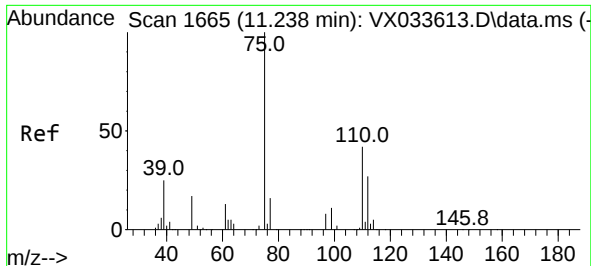
Tgt Ion:152 Resp: 98223
Ion Ratio Lower Upper
152 100
115 54.9 38.5 115.5
150 156.5 0.0 340.4



#74
N-ethyl acetate
Concen: 10.087 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.202 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 43 Resp: 28353
Ion Ratio Lower Upper
43 100
70 1.6 33.4 50.0#
55 3.7 18.6 27.8#
61 9.7 19.0 28.6#

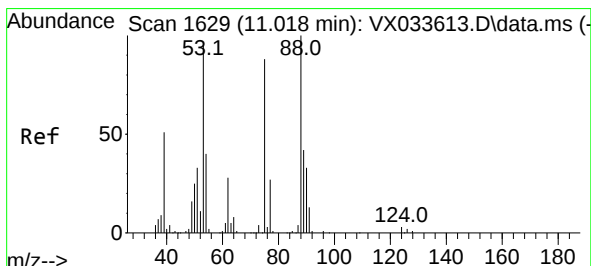
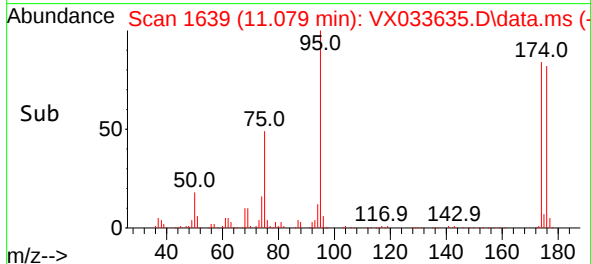
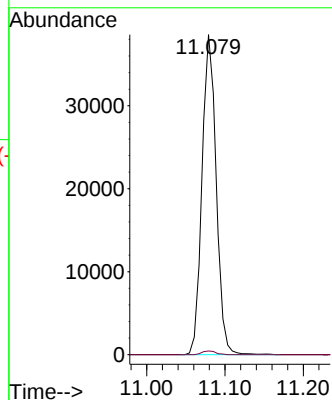
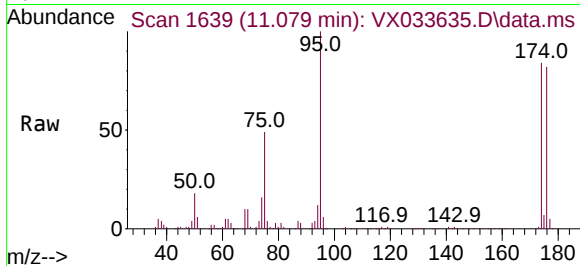




#76
1,2,3-Trichloropropane
Concen: 26.975 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

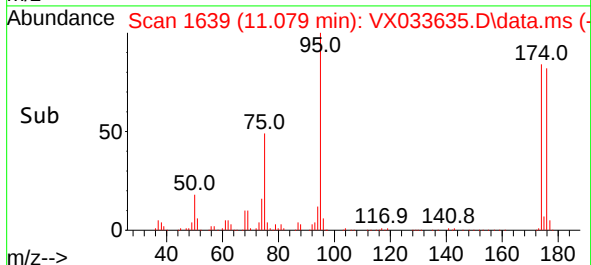
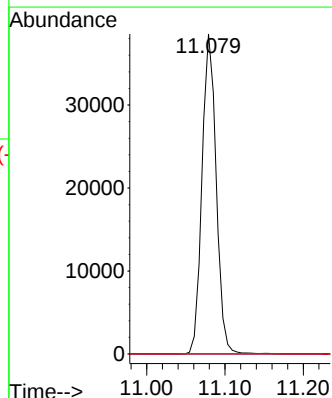
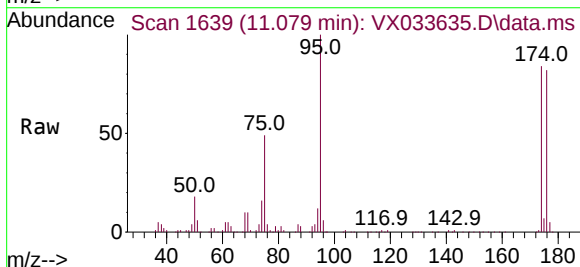
Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

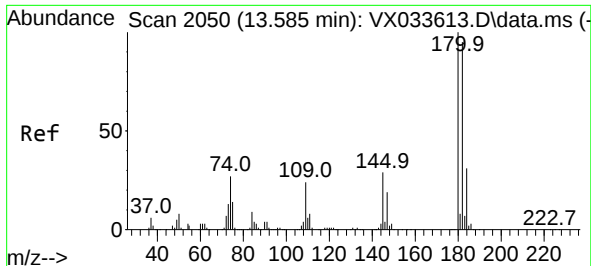
Tgt Ion: 75 Resp: 48540
Ion Ratio Lower Upper
75 100
77 1.1 21.3 63.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion: 75 Resp: 48540
Ion Ratio Lower Upper
75 100
53 0.0 86.4 129.6#
89 0.0 37.4 56.2#

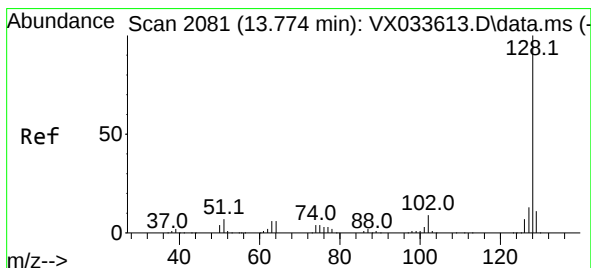
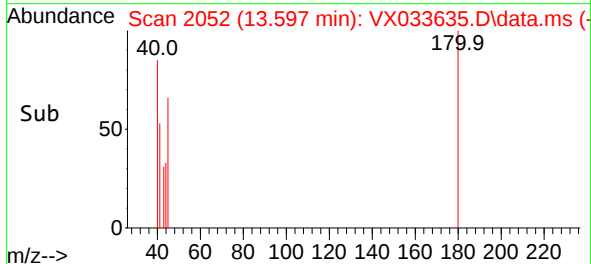
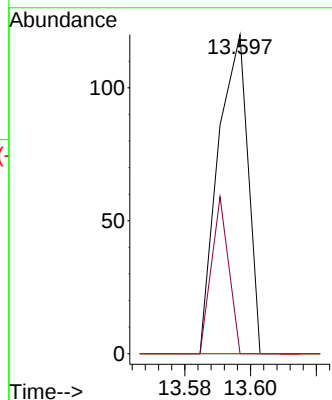
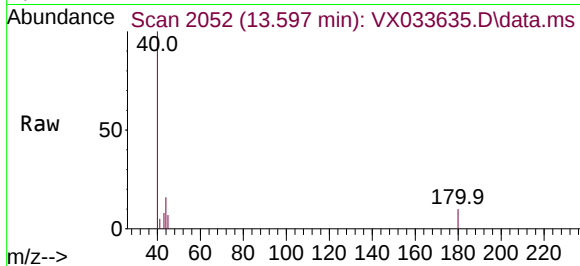




#93
1,2,4-Trichlorobenzene
Concen: 1.627 ug/l
RT: 13.597 min Scan# 2050
Delta R.T. 0.012 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Instrument :
MSVOA_X
ClientSampleId :
PB050057ZHE#12

Tgt Ion:180 Resp: 75
Ion Ratio Lower Upper
180 100
182 29.3 47.4 142.2#
145 0.0 14.1 42.2#



#95
Naphthalene
Concen: 3.146 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033635.D
Acq: 06 Jan 2023 16:57

Tgt Ion:128 Resp: 210
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.4#

