

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045805.D
 Acq On : 16 Apr 2025 14:11
 Operator : JC/MD
 Sample : PB167604ZHE#63
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#63

Quant Time: Apr 17 01:36:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

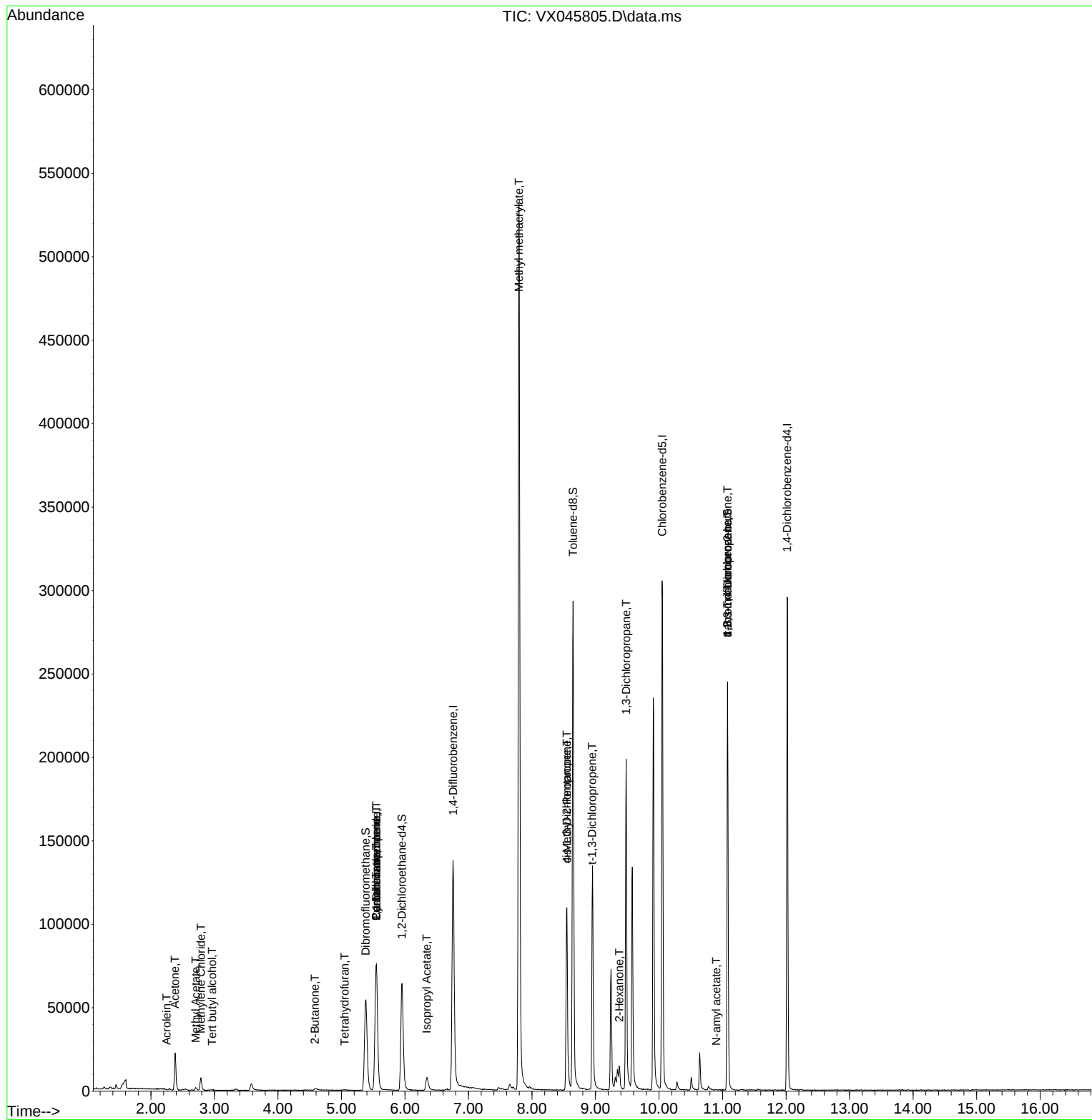
Internal Standards						
1) Pentafluorobenzene	5.550	168	65584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	130457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65824	54.883	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.760%		
35) Dibromofluoromethane	5.379	113	47799	51.641	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.280%		
50) Toluene-d8	8.647	98	167296	51.783	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.560%		
62) 4-Bromofluorobenzene	11.079	95	64064	54.440	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 108.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	238	1.477	ug/l #	72
13) Acrolein	2.245	56	54	0.243	ug/l #	15
16) Acetone	2.380	43	25209	51.187	ug/l	96
18) Methyl Acetate	2.703	43	2145	1.892	ug/l	99
20) Methylene Chloride	2.788	84	3143	3.409	ug/l	94
25) 2-Butanone	4.580	43	994	1.379	ug/l #	83
29) Tetrahydrofuran	5.050	42	288	0.616	ug/l #	57
31) Cyclohexane	5.550	56	1906	1.295	ug/l #	52
36) 1,1-Dichloropropene	5.550	75	6586	5.270	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7730	5.723	ug/l #	17
43) Isopropyl Acetate	6.342	43	12108	5.072	ug/l	98
48) Methyl methacrylate	7.793	41	52502	42.599	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	44546	28.151	ug/l #	51
53) t-1,3-Dichloropropene	8.945	75	273	2.475	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16810	12.253	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1772	1.106	ug/l #	42
59) 2-Hexanone	9.372	43	13356	11.398	ug/l #	28
74) N-amyl acetate	10.902	43	424	0.207	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36550	28.013	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36550	95.073	ug/l #	1

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

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

Instrument :

MSVOA_X

ClientSampleId :

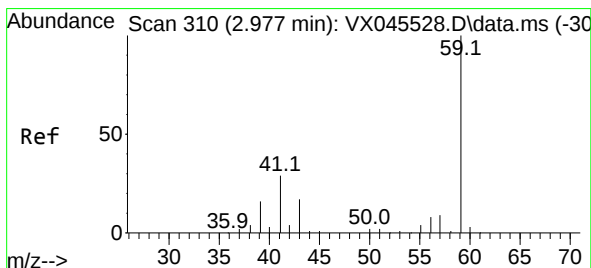
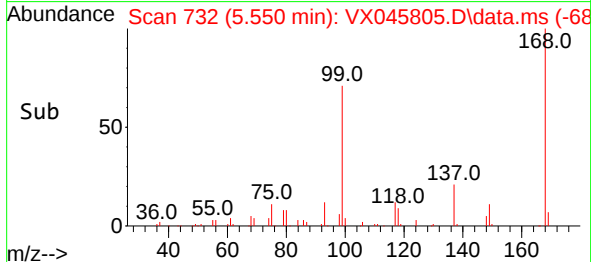
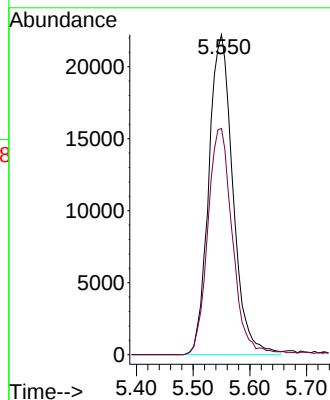
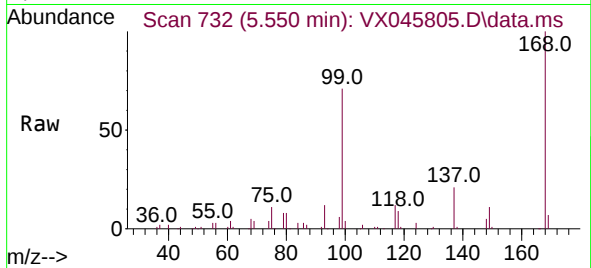
PB167604ZHE#63

Tgt Ion:168 Resp: 65584

Ion Ratio Lower Upper

168 100

99 70.7 52.3 78.5



#11

Tert butyl alcohol

Concen: 1.477 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX045805.D

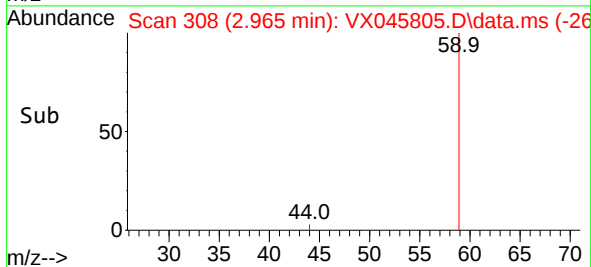
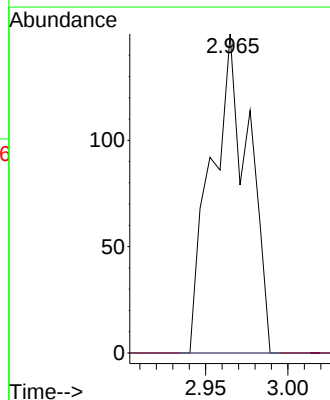
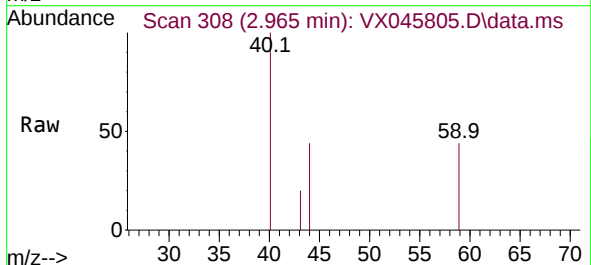
Acq: 16 Apr 2025 14:11

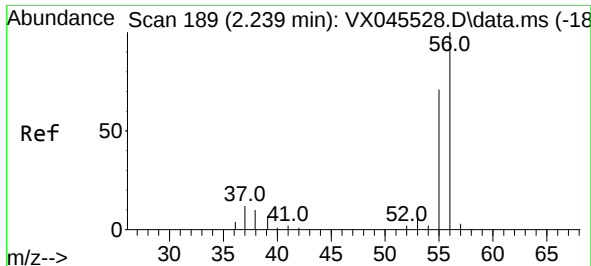
Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#13

Acrolein

Concen: 0.243 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

Instrument :

MSVOA_X

ClientSampleId :

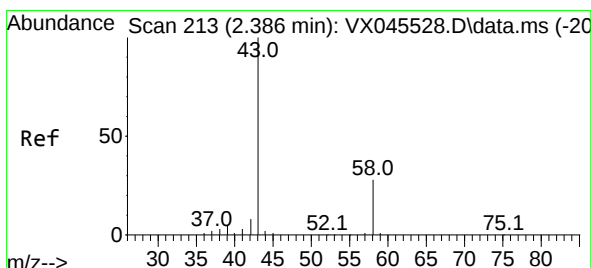
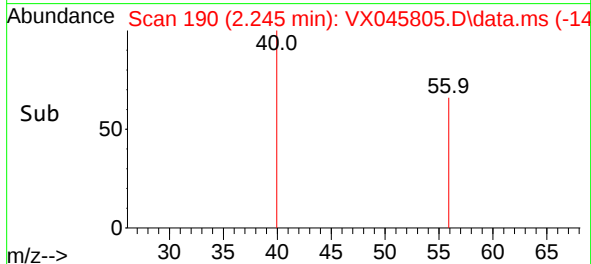
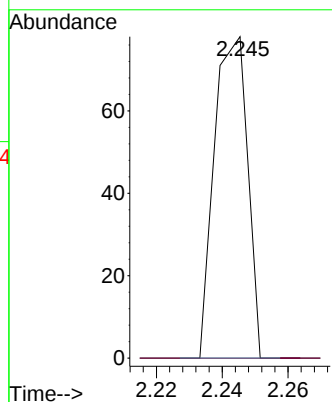
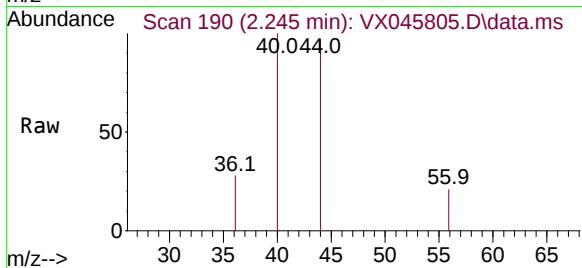
PB167604ZHE#63

Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#16

Acetone

Concen: 51.187 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045805.D

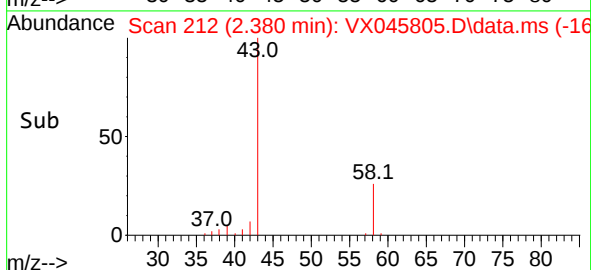
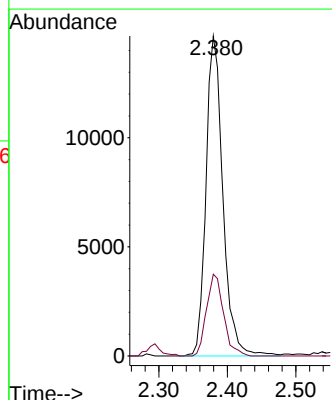
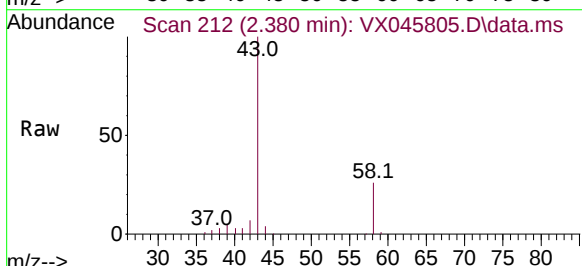
Acq: 16 Apr 2025 14:11

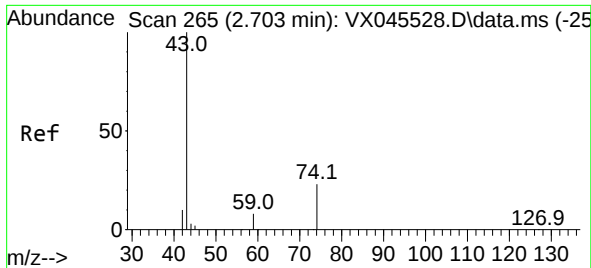
Tgt Ion: 43 Resp: 25209

Ion Ratio Lower Upper

43 100

58 25.6 22.3 33.5

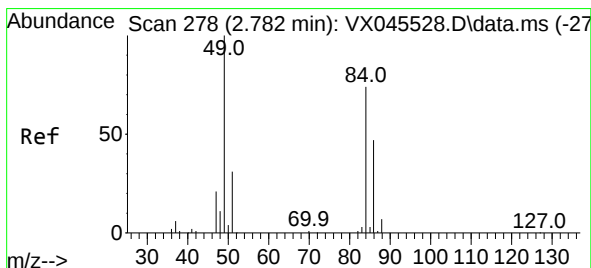
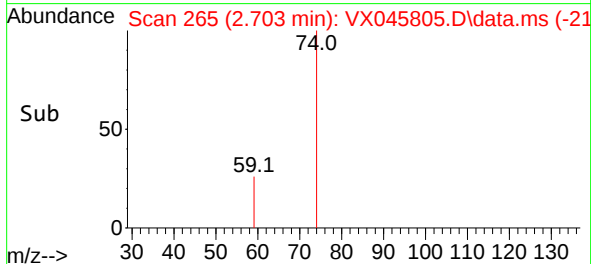
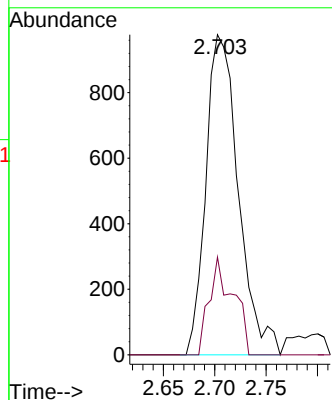
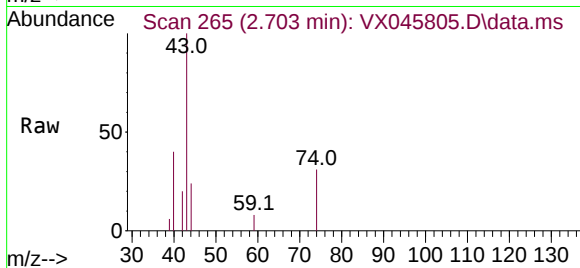




#18
Methyl Acetate
Concen: 1.892 ug/l
RT: 2.703 min Scan# 2145
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

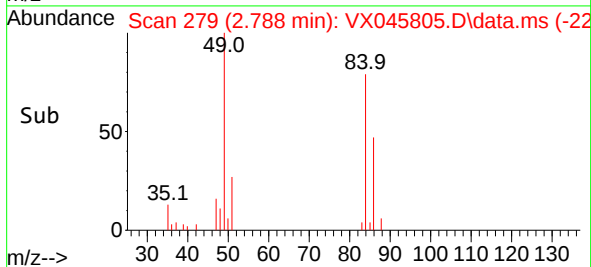
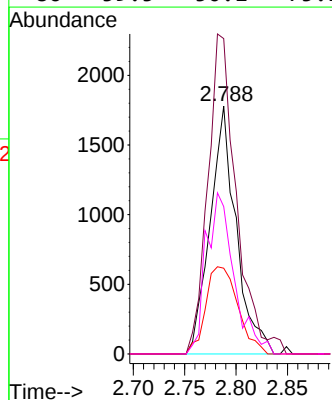
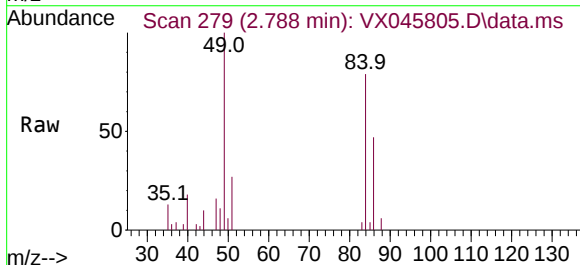
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

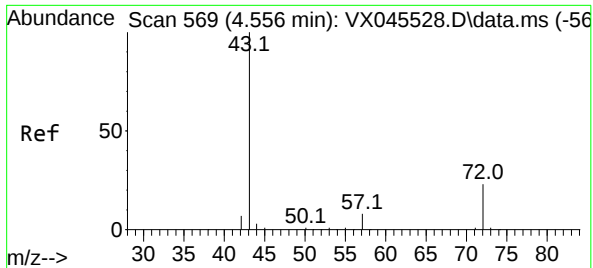
Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
74 22.5 17.5 26.3



#20
Methylene Chloride
Concen: 3.409 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion: 84 Resp: 3143
Ion Ratio Lower Upper
84 100
49 127.3 107.5 161.3
51 34.6 33.0 49.6
86 59.5 50.1 75.1





#25

2-Butanone

Concen: 1.379 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

Instrument :

MSVOA_X

ClientSampleId :

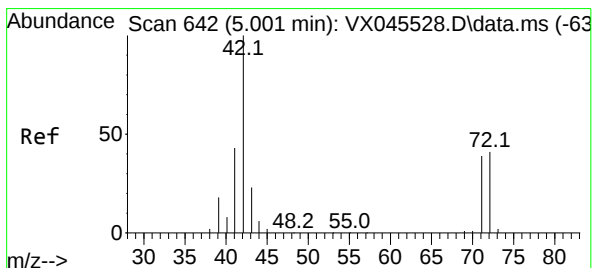
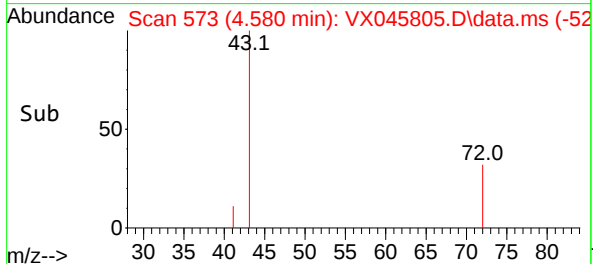
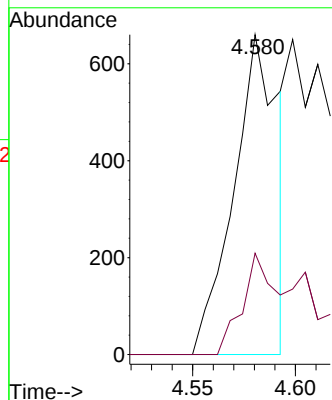
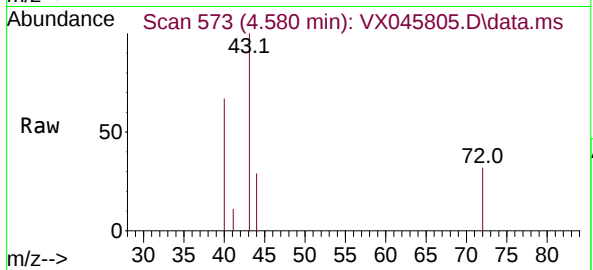
PB167604ZHE#63

Tgt Ion: 43 Resp: 994

Ion Ratio Lower Upper

43 100

72 31.7 18.6 28.0#



#29

Tetrahydrofuran

Concen: 0.616 ug/l

RT: 5.050 min Scan# 650

Delta R.T. 0.049 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

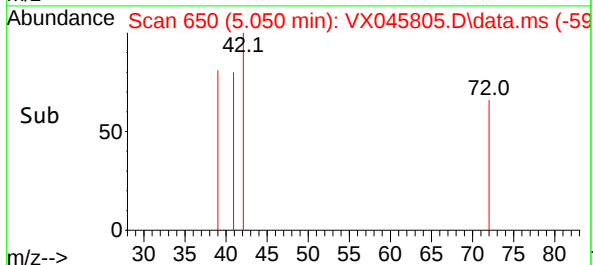
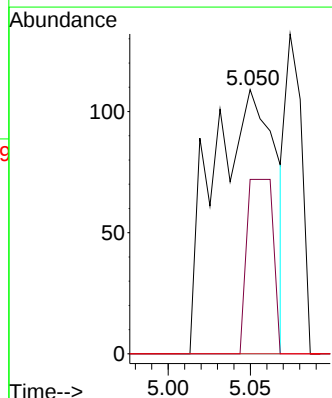
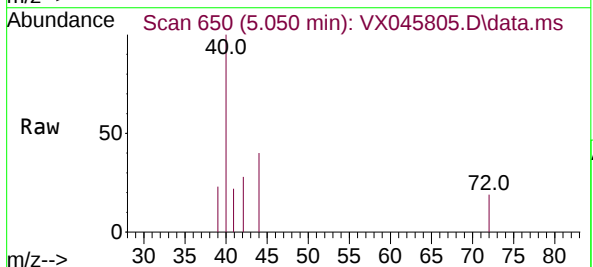
Tgt Ion: 42 Resp: 288

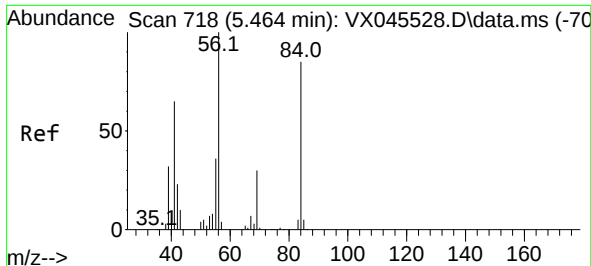
Ion Ratio Lower Upper

42 100

72 27.4 33.4 50.0#

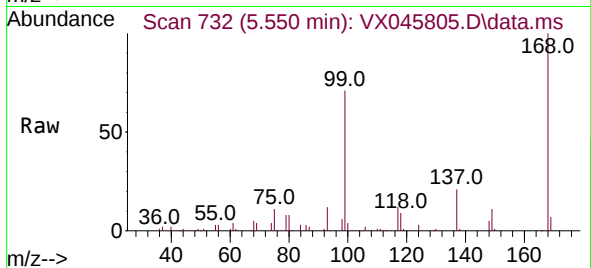
71 0.0 31.4 47.0#



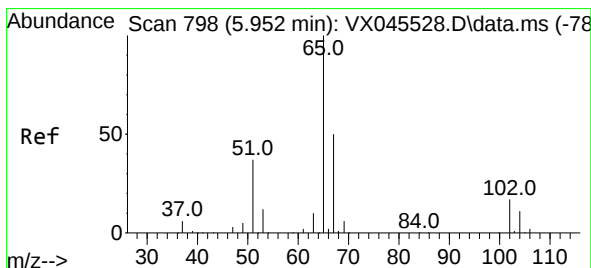
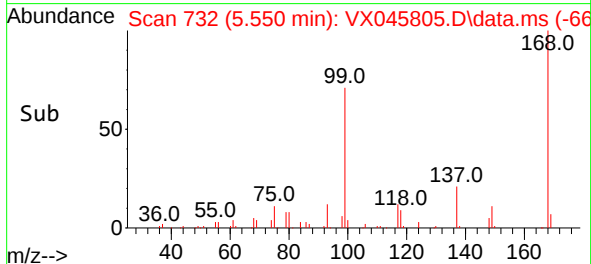
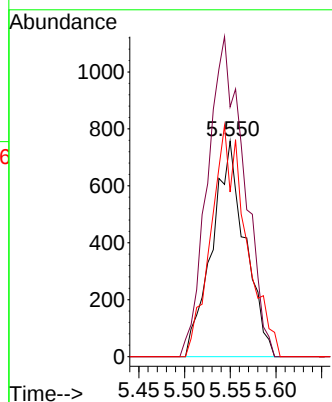


#31
Cyclohexane
Concen: 1.295 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

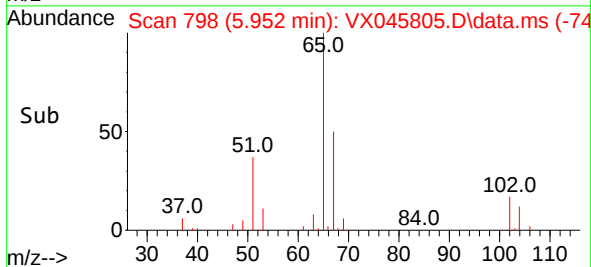
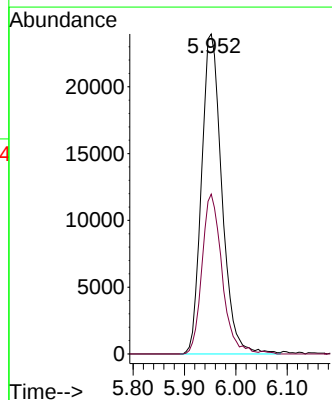
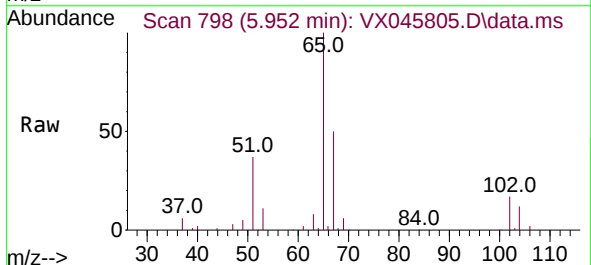


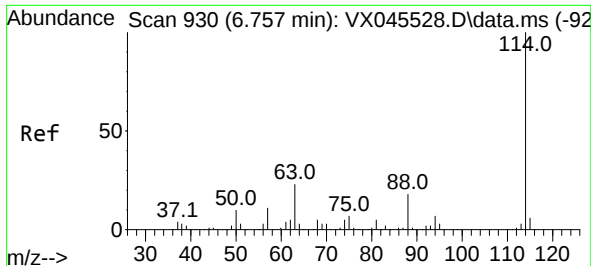
Tgt Ion: 56 Resp: 1906
Ion Ratio Lower Upper
56 100
69 115.9 23.6 35.4#
84 76.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.883 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion: 65 Resp: 65824
Ion Ratio Lower Upper
65 100
67 49.1 0.0 99.0

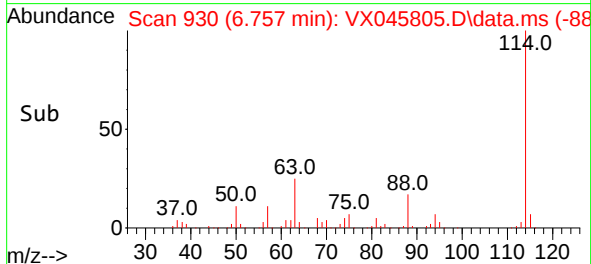
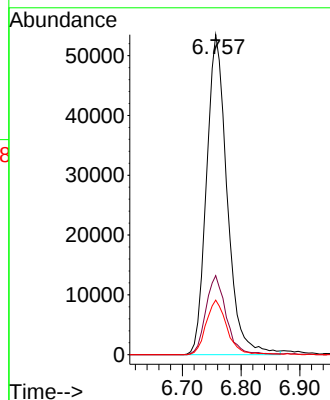
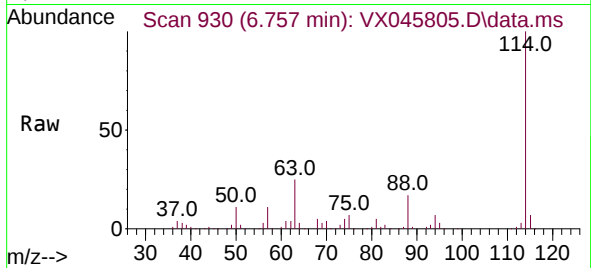




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

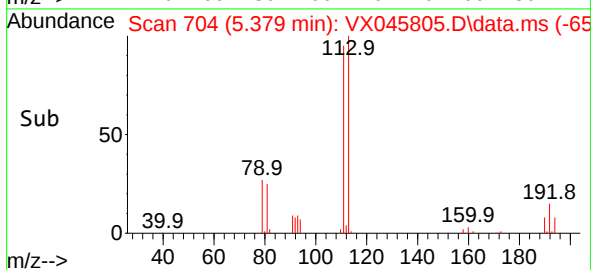
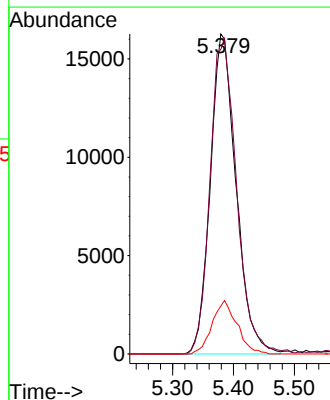
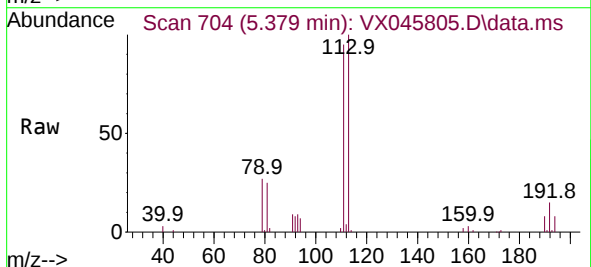
Instrument :
MSVOA_X
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PB167604ZHE#63

Tgt Ion:114 Resp: 130457
Ion Ratio Lower Upper
114 100
63 24.7 0.0 46.8
88 17.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.641 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion:113 Resp: 47799
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 16.1 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.270 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045805.D

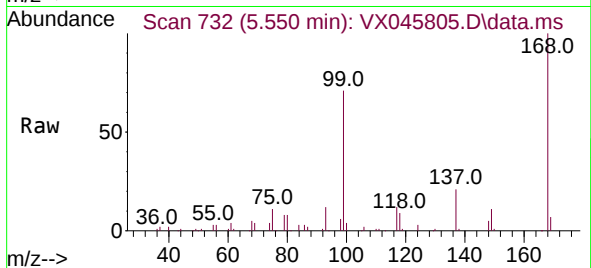
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Instrument :

MSVOA_X

ClientSampleId :

PB167604ZHE#63



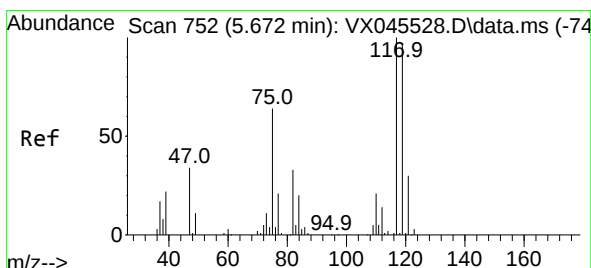
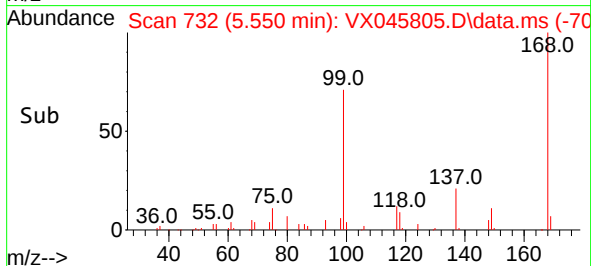
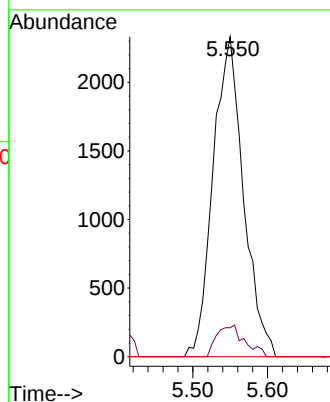
Tgt Ion: 75 Resp: 6586

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.723 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

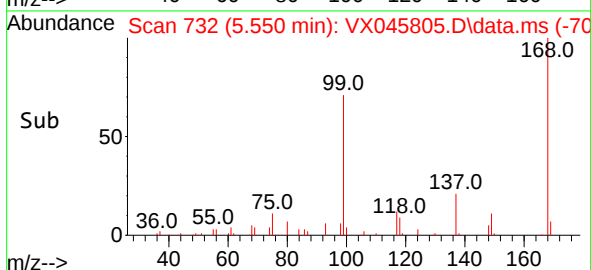
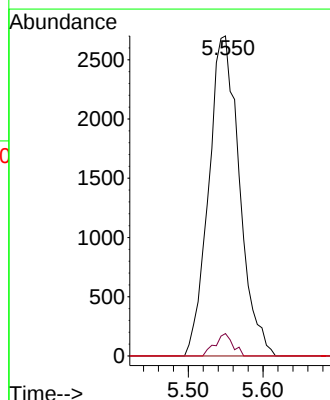
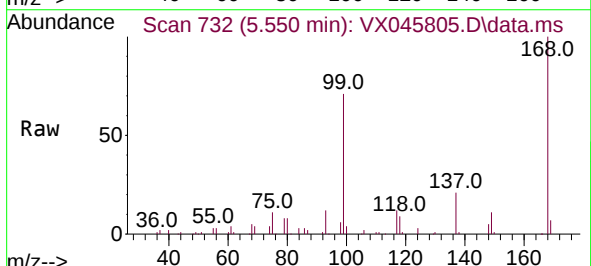
Tgt Ion: 117 Resp: 7730

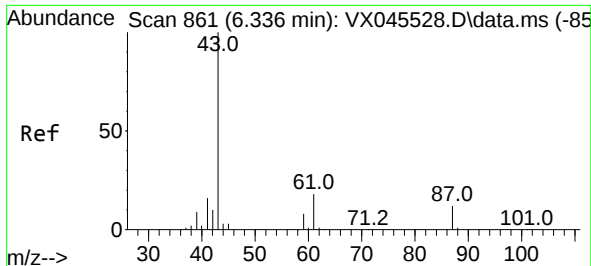
Ion Ratio Lower Upper

117 100

119 7.0 76.9 115.3#

121 0.0 24.2 36.2#

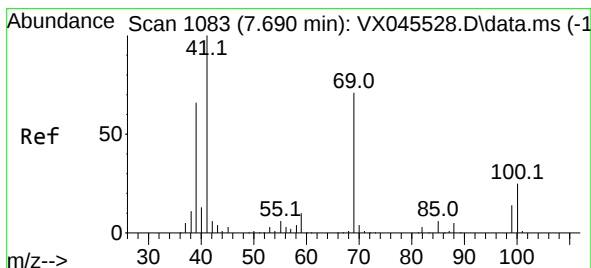
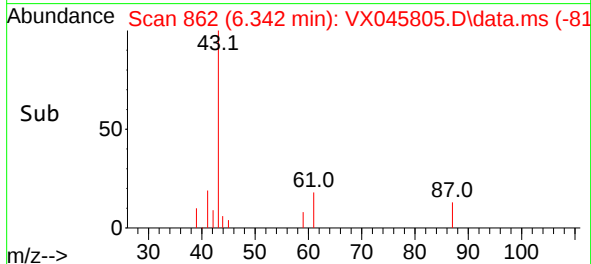
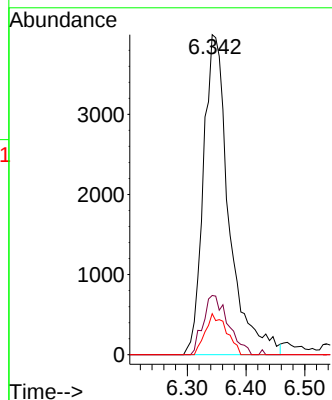
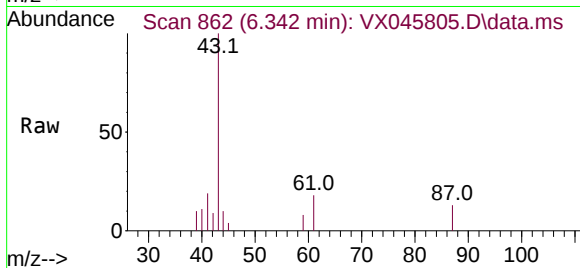




#43
Isopropyl Acetate
Concen: 5.072 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

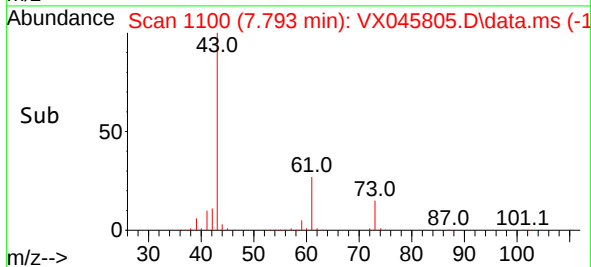
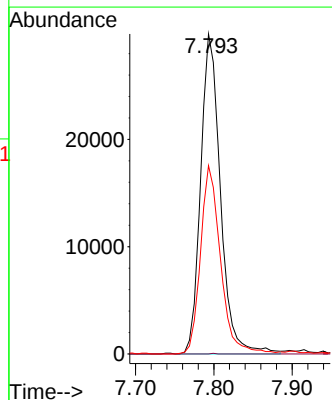
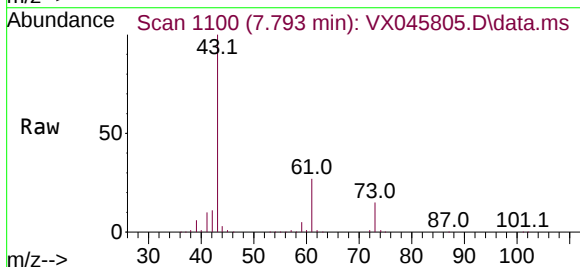
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

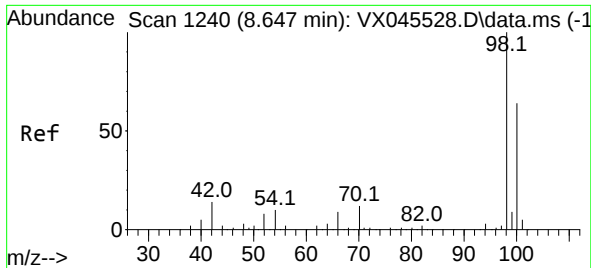
Tgt Ion: 43 Resp: 12108
Ion Ratio Lower Upper
43 100
61 18.1 14.1 21.1
87 10.5 9.2 13.8



#48
Methyl methacrylate
Concen: 42.599 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion: 41 Resp: 52502
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.4 53.6 80.4

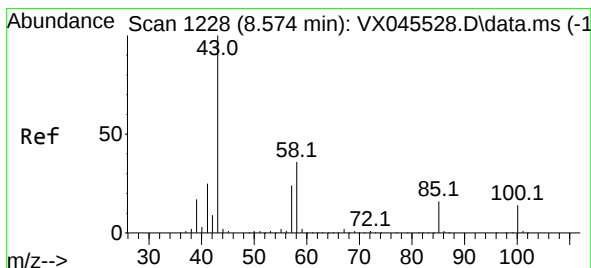
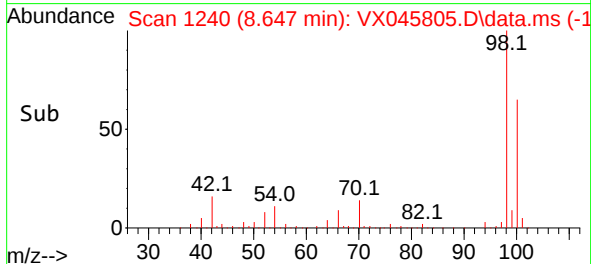
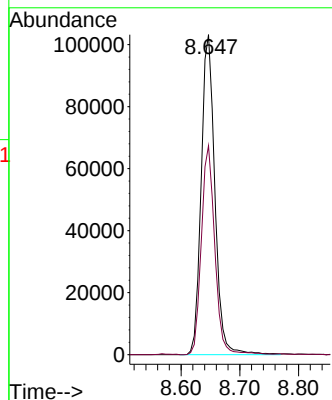
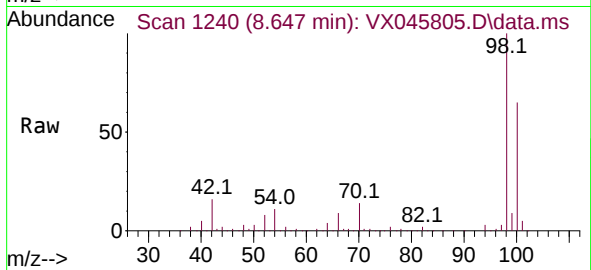




#50
Toluene-d8
Concen: 51.783 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

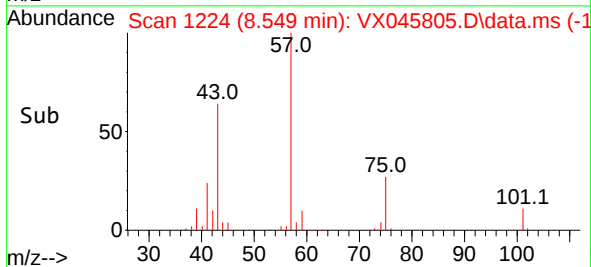
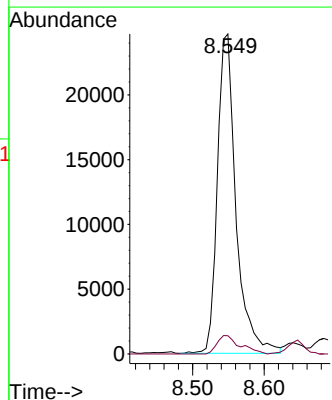
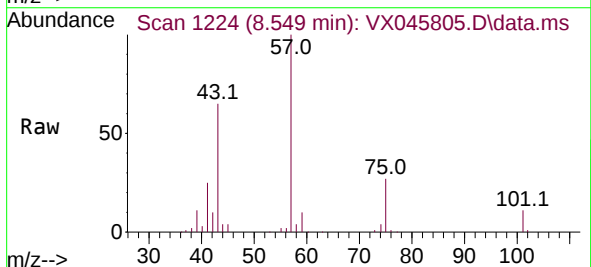
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

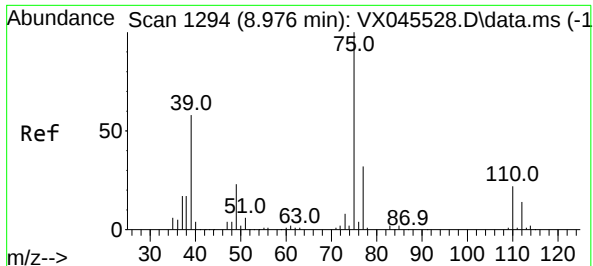
Tgt Ion: 98 Resp: 167296
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 28.151 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion: 43 Resp: 44546
Ion Ratio Lower Upper
43 100
58 7.1 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.475 ug/l

RT: 8.945 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

Instrument :

MSVOA_X

ClientSampleId :

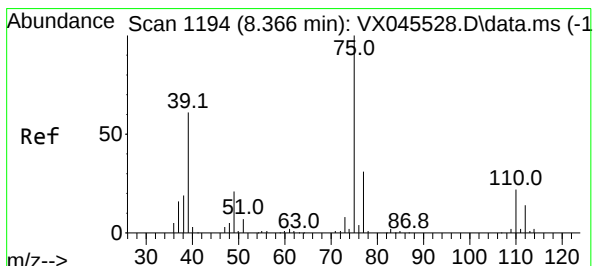
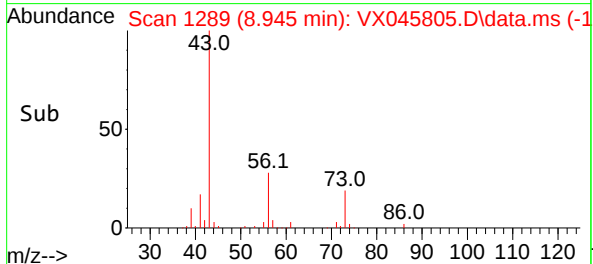
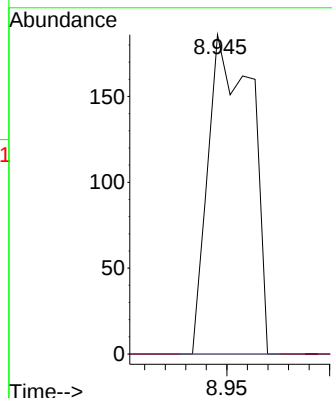
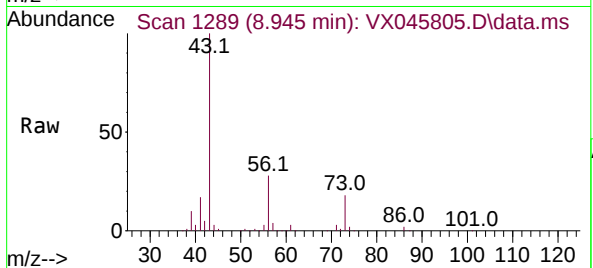
PB167604ZHE#63

Tgt Ion: 75 Resp: 273

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 12.253 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045805.D

Acq: 16 Apr 2025 14:11

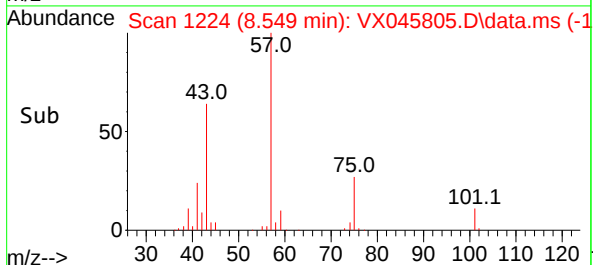
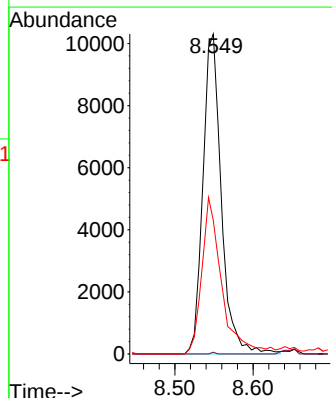
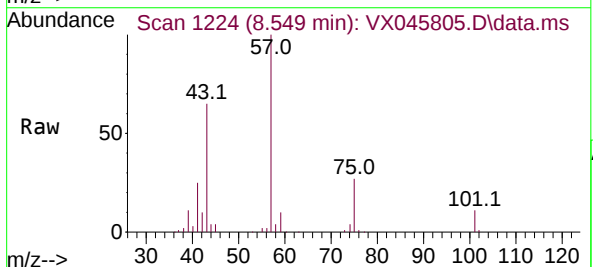
Tgt Ion: 75 Resp: 16810

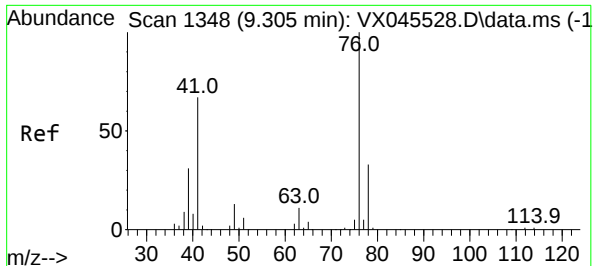
Ion Ratio Lower Upper

75 100

77 0.5 24.6 36.8#

39 41.7 48.4 72.6#

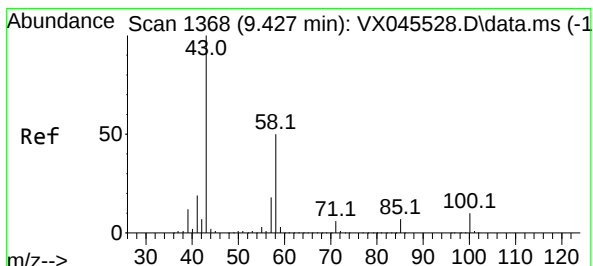
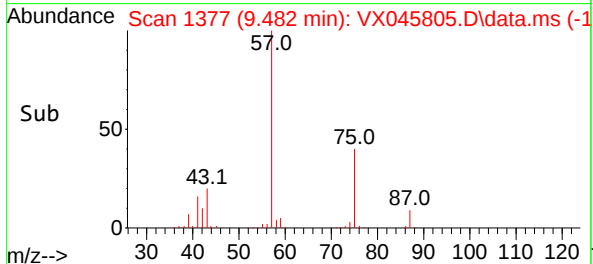
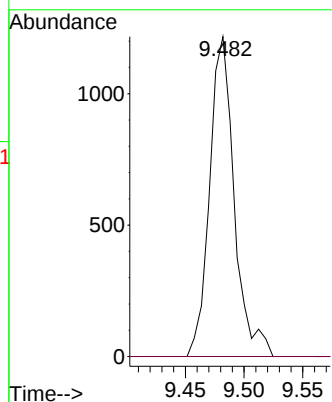
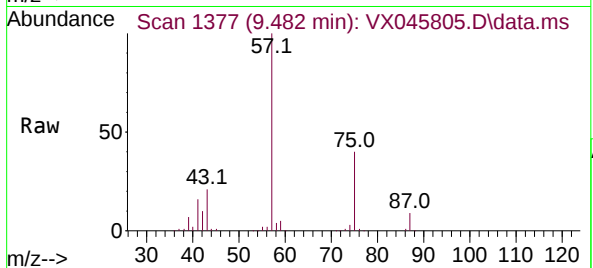




#57
1,3-Dichloropropane
Concen: 1.106 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

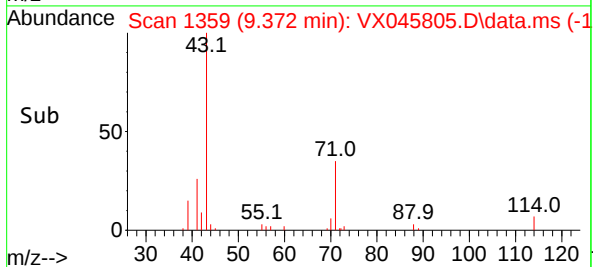
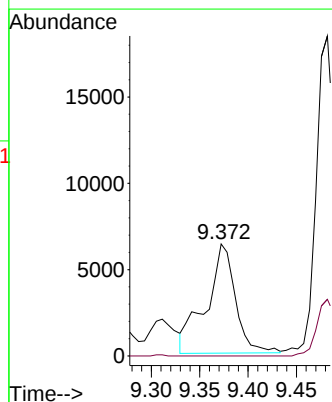
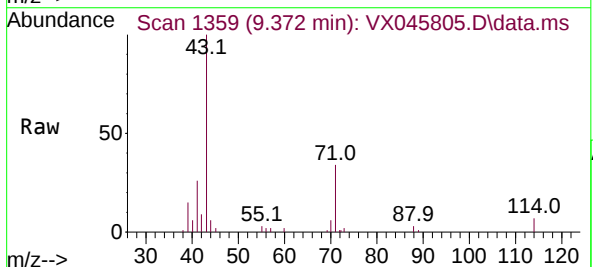
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

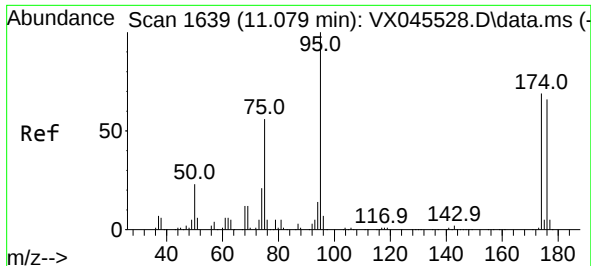
Tgt Ion: 76 Resp: 1772
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 11.398 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion: 43 Resp: 13356
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

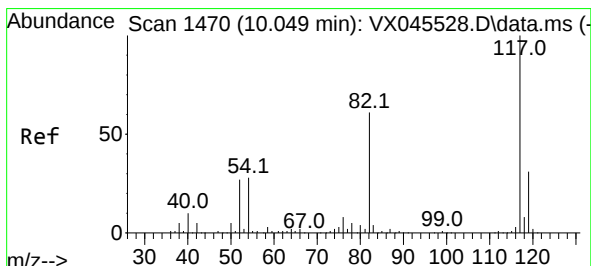
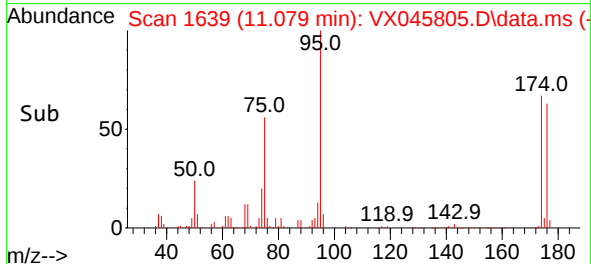
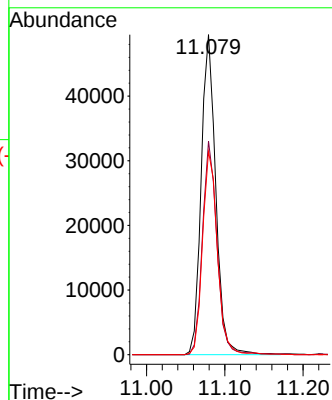
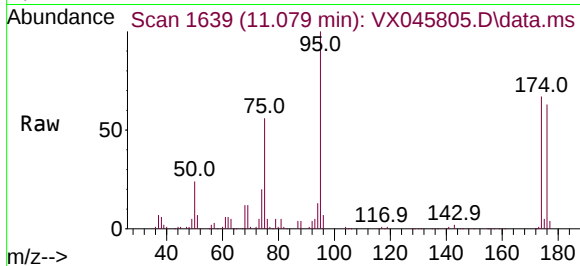




#62
4-Bromofluorobenzene
Concen: 54.440 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

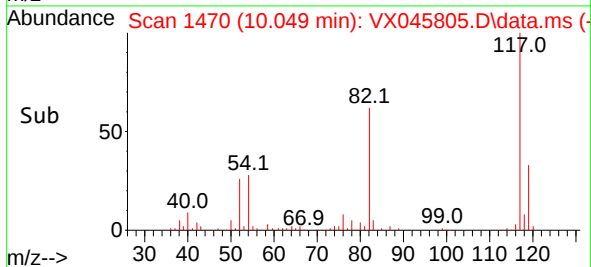
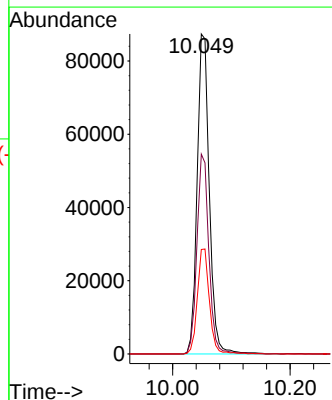
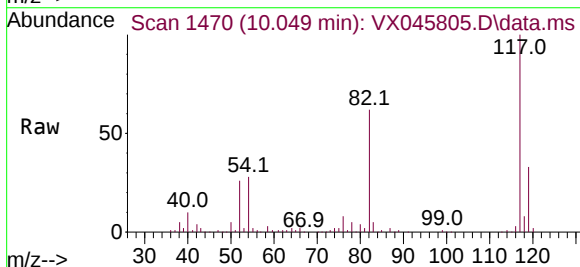
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

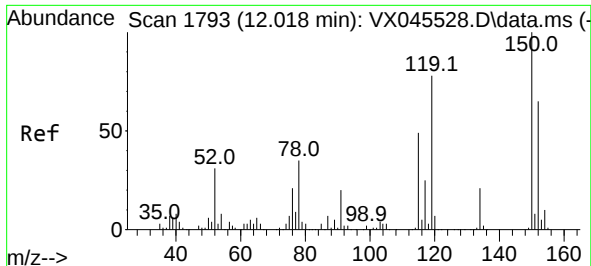
Tgt Ion: 95 Resp: 64064
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 64.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

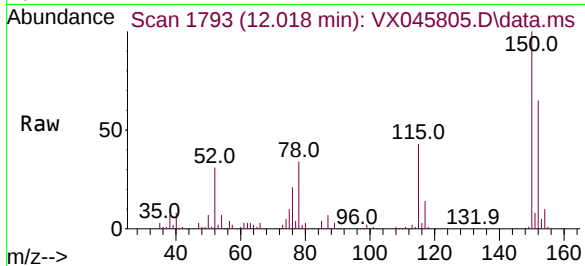
Tgt Ion: 117 Resp: 125196
Ion Ratio Lower Upper
117 100
82 62.5 49.2 73.8
119 32.6 25.1 37.7



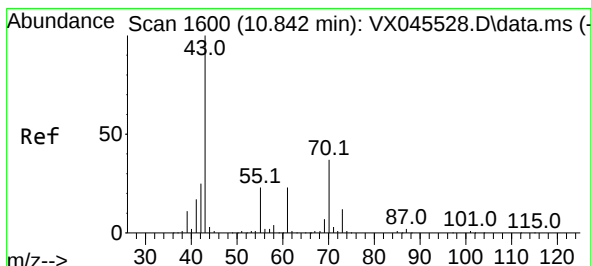
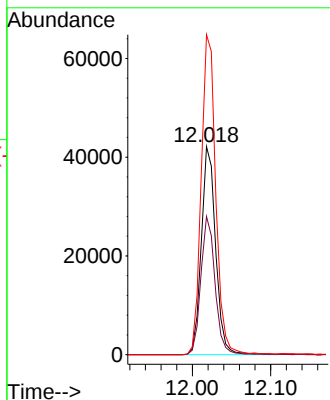
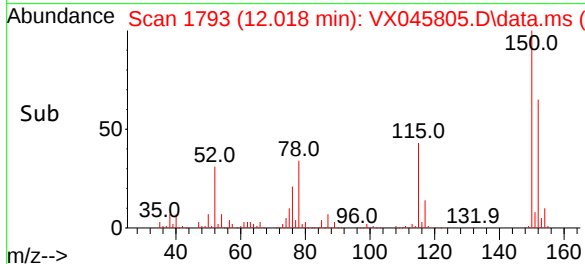


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045805.D
 Acq: 16 Apr 2025 14:11

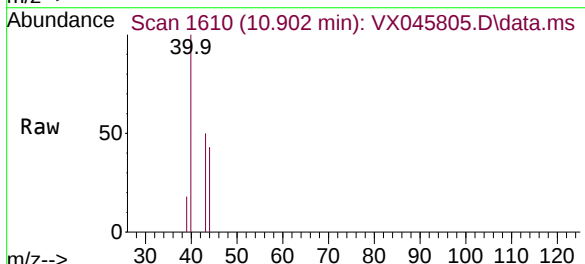
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#63



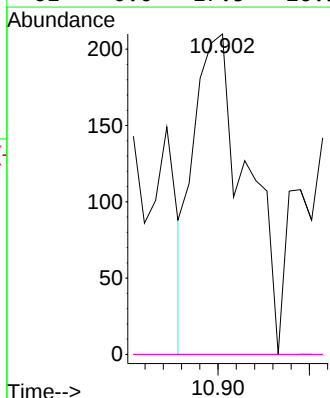
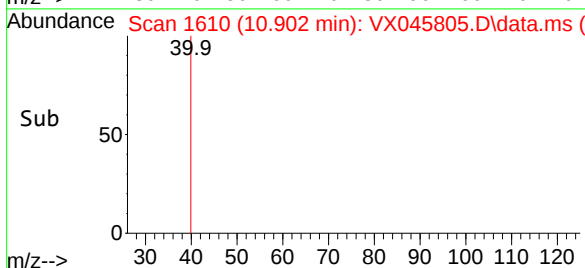
Tgt Ion:152 Resp: 53490
 Ion Ratio Lower Upper
 152 100
 115 65.7 46.9 140.7
 150 156.5 0.0 349.4

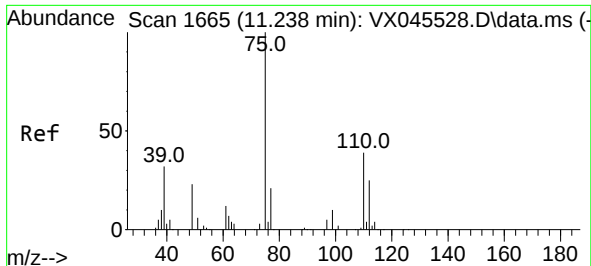


#74
 N-ethyl acetate
 Concen: 0.207 ug/l
 RT: 10.902 min Scan# 1610
 Delta R.T. 0.061 min
 Lab File: VX045805.D
 Acq: 16 Apr 2025 14:11



Tgt Ion: 43 Resp: 424
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 0.0 18.3 27.5#
 61 0.0 17.5 26.3#

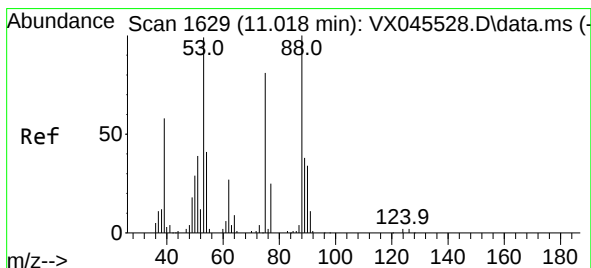
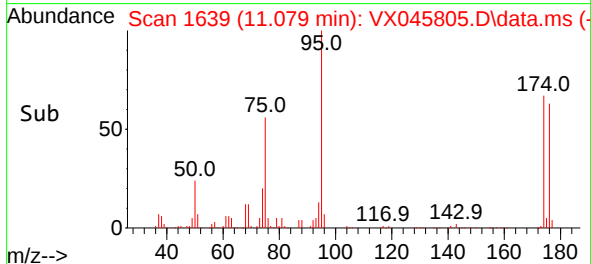
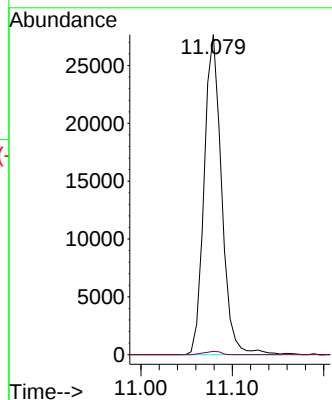
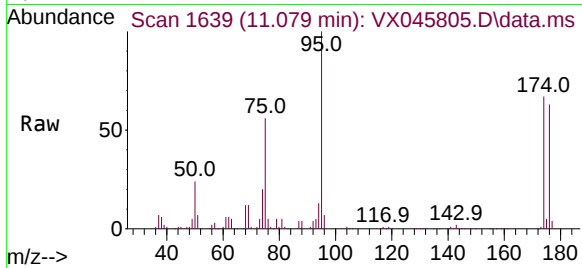




#76
1,2,3-Trichloropropane
Concen: 28.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#63

Tgt Ion: 75 Resp: 36550
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.073 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045805.D
Acq: 16 Apr 2025 14:11

Tgt Ion: 75 Resp: 36550
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

