

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045606.D
 Acq On : 04 Apr 2025 17:52
 Operator : JC/MD
 Sample : PB167448ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#05

Quant Time: Apr 04 23:13:59 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)

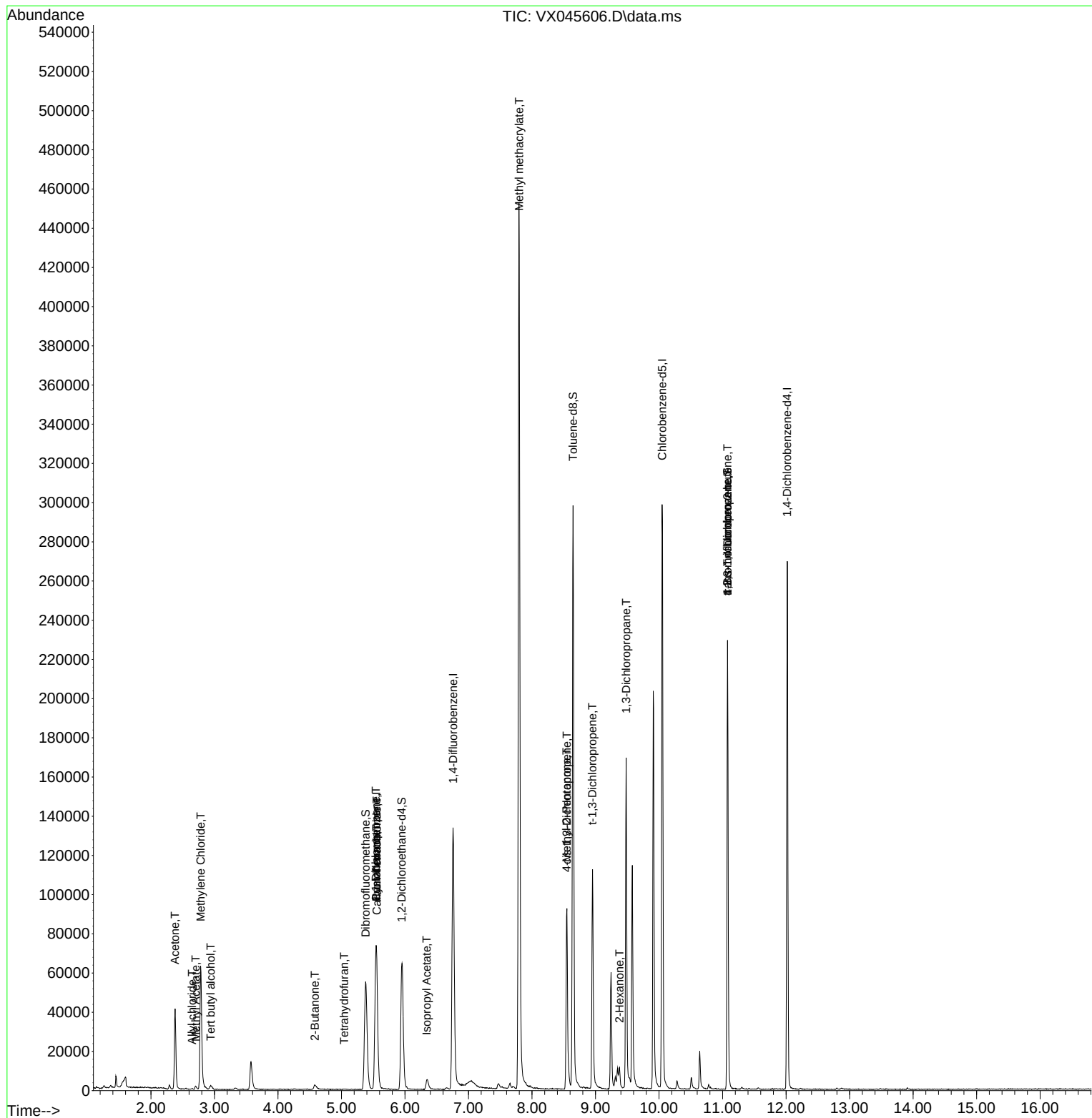
Internal Standards						
1) Pentafluorobenzene	5.550	168	64253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	126502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65972	56.145	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	112.300%	
35) Dibromofluoromethane	5.379	113	47929	53.401	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	106.800%	
50) Toluene-d8	8.647	98	166815	53.249	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	106.500%	
62) 4-Bromofluorobenzene	11.079	95	59200	51.880	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	103.760%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	1675	10.607	ug/l #	72
14) Allyl chloride	2.648	41	328	0.224	ug/l #	44
16) Acetone	2.380	43	44419	92.061	ug/l	99
18) Methyl Acetate	2.703	43	2307	2.077	ug/l	91
20) Methylene Chloride	2.782	84	28665	31.734	ug/l	97
25) 2-Butanone	4.580	43	4996	7.074	ug/l	93
29) Tetrahydrofuran	5.044	42	256	0.559	ug/l #	35
31) Cyclohexane	5.550	56	1895	1.315	ug/l #	12
36) 1,1-Dichloropropene	5.544	75	6361	5.249	ug/l #	47
38) Carbon Tetrachloride	5.556	117	7698	5.878	ug/l #	14
43) Isopropyl Acetate	6.342	43	8329	3.598	ug/l #	85
48) Methyl methacrylate	7.799	41	45475	38.051	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	36718	23.930	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	188	2.421	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13764	10.346	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	1337	0.860	ug/l #	42
59) 2-Hexanone	9.378	43	9831	8.652	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	34613	28.814	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34613	97.790	ug/l #	1

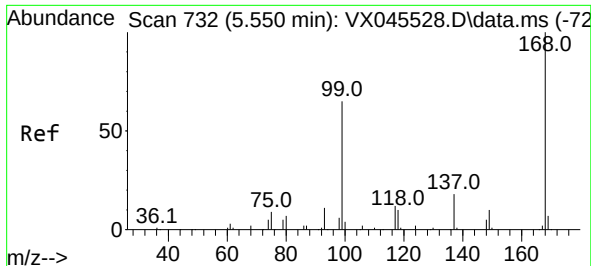
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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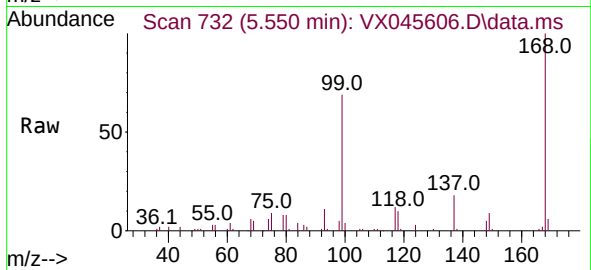
Quant Time: Apr 04 23:13:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
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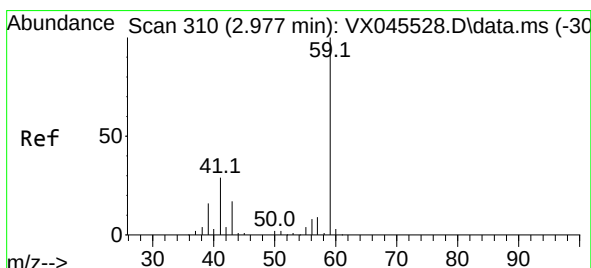
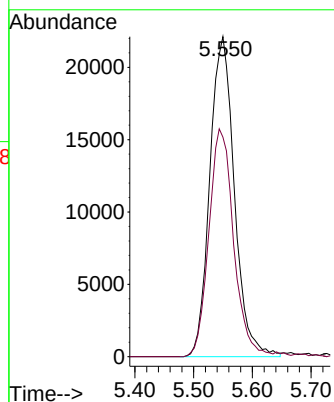
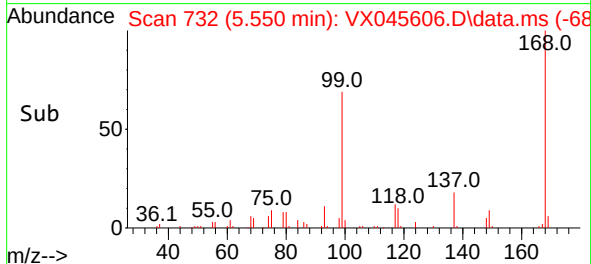


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

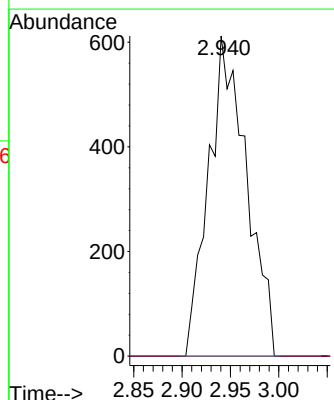
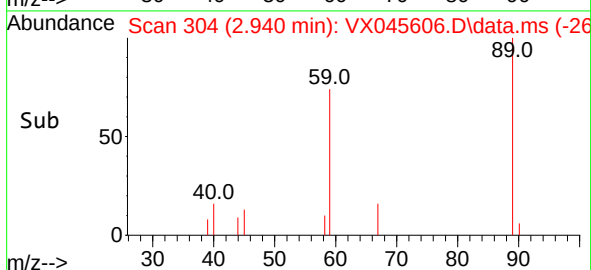
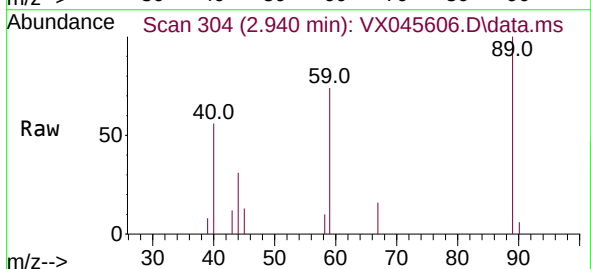


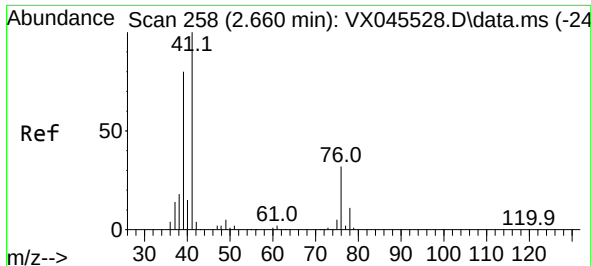
Tgt Ion:168 Resp: 64253
Ion Ratio Lower Upper
168 100
99 68.6 52.3 78.5



#11
Tert butyl alcohol
Concen: 10.607 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion: 59 Resp: 1675
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

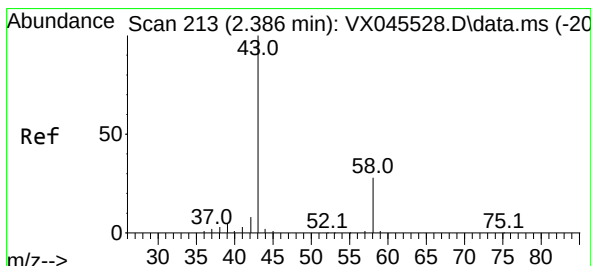
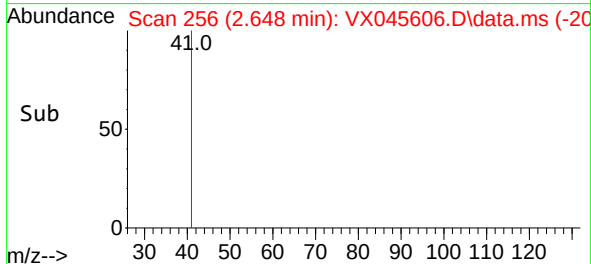
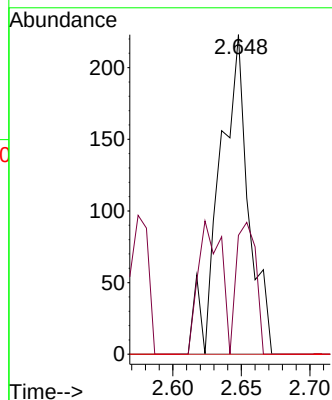
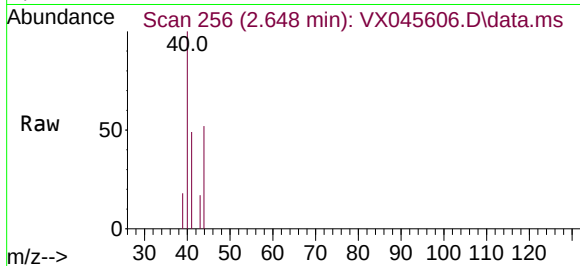




#14
 Allyl chloride
 Concen: 0.224 ug/l
 RT: 2.648 min Scan# 212
 Delta R.T. -0.012 min
 Lab File: VX045606.D
 Acq: 04 Apr 2025 17:52

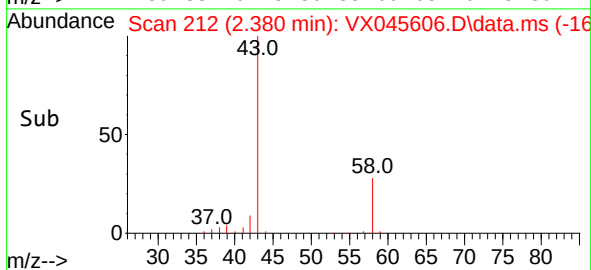
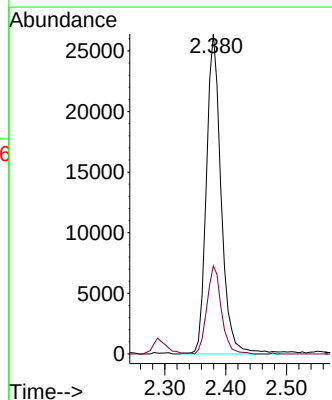
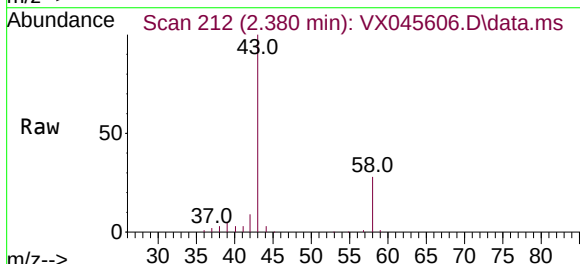
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#05

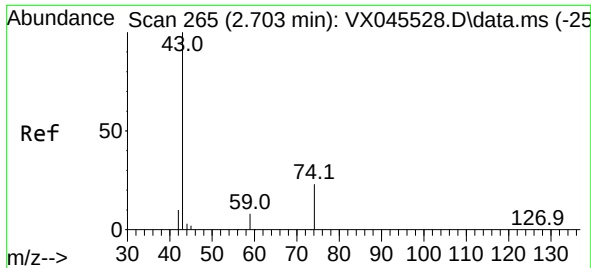
Tgt Ion: 41 Resp: 328
 Ion Ratio Lower Upper
 41 100
 39 27.7 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 92.061 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045606.D
 Acq: 04 Apr 2025 17:52

Tgt Ion: 43 Resp: 44419
 Ion Ratio Lower Upper
 43 100
 58 27.5 22.3 33.5

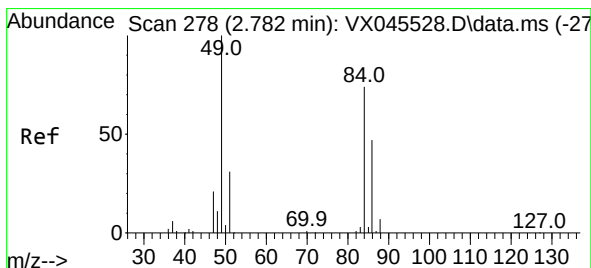
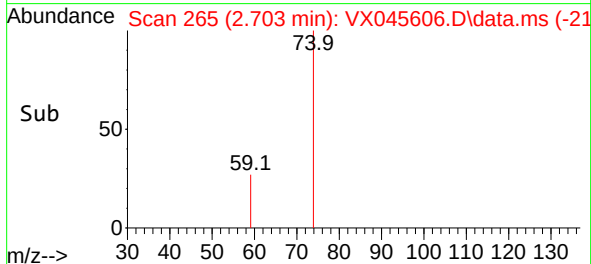
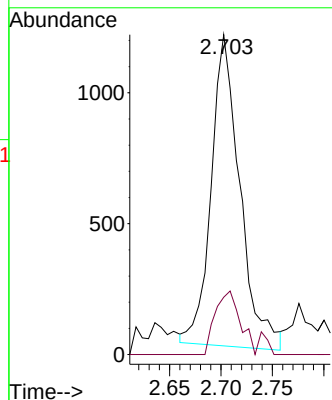
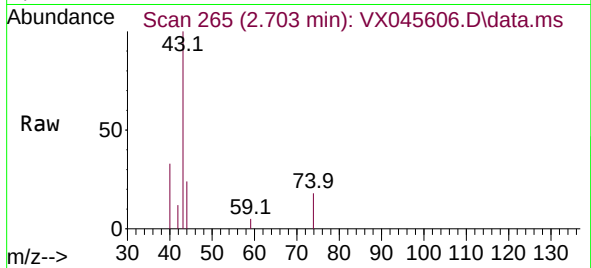




#18
Methyl Acetate
Concen: 2.077 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

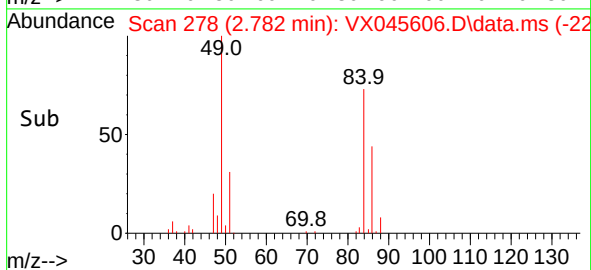
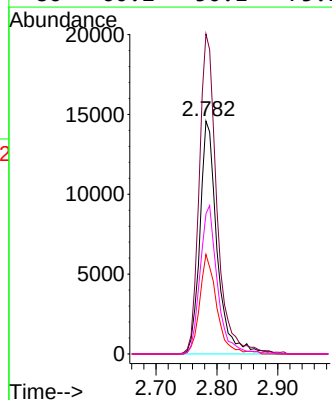
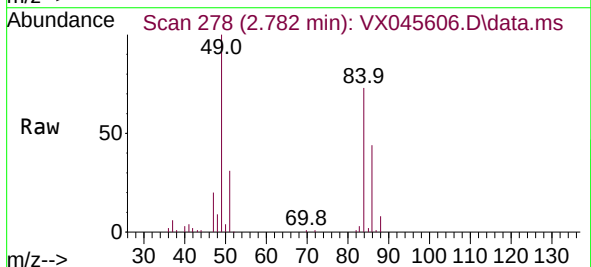
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

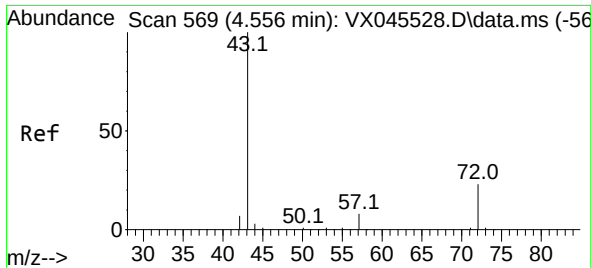
Tgt Ion: 43 Resp: 2307
Ion Ratio Lower Upper
43 100
74 17.7 17.5 26.3



#20
Methylene Chloride
Concen: 31.734 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion: 84 Resp: 28665
Ion Ratio Lower Upper
84 100
49 137.5 107.5 161.3
51 42.7 33.0 49.6
86 60.2 50.1 75.1

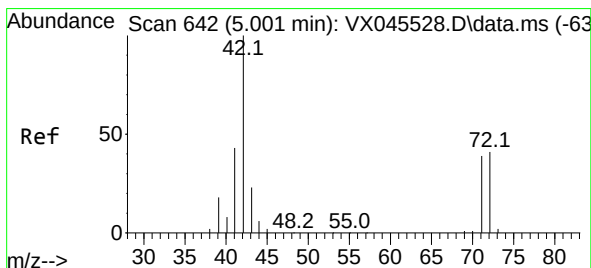
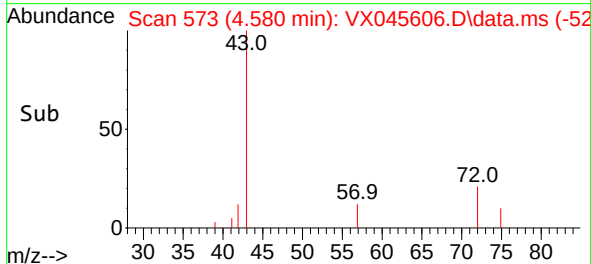
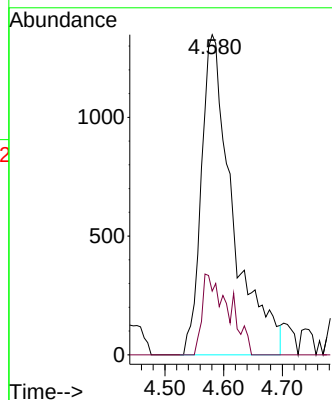
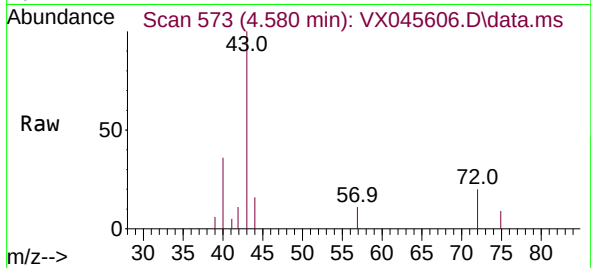




#25
2-Butanone
Concen: 7.074 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

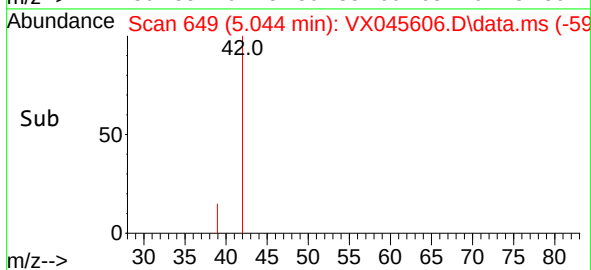
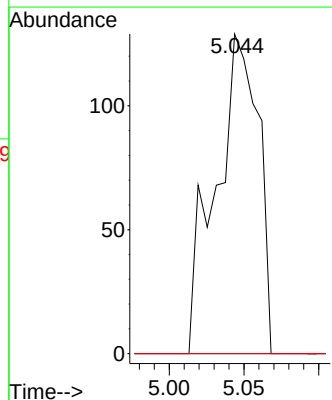
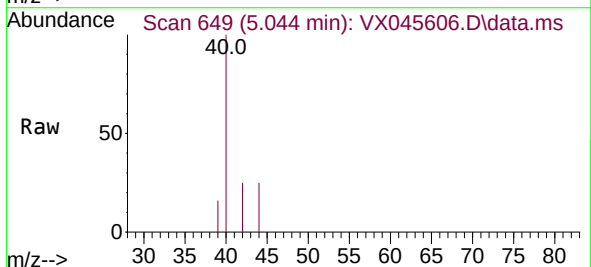
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

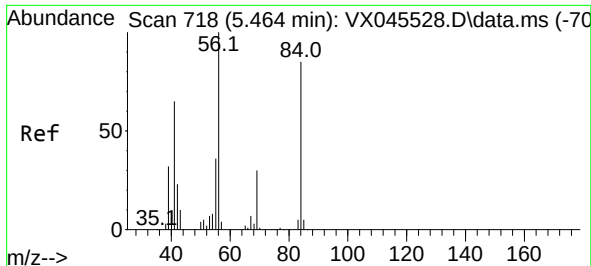
Tgt Ion: 43 Resp: 4996
Ion Ratio Lower Upper
43 100
72 19.9 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.559 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.043 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

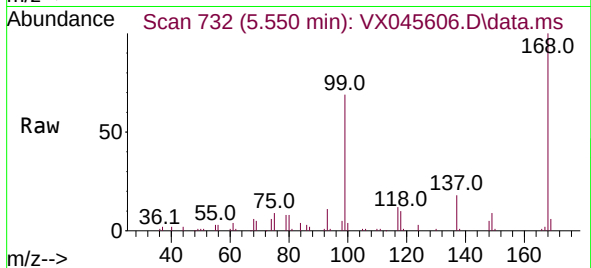
Tgt Ion: 42 Resp: 256
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



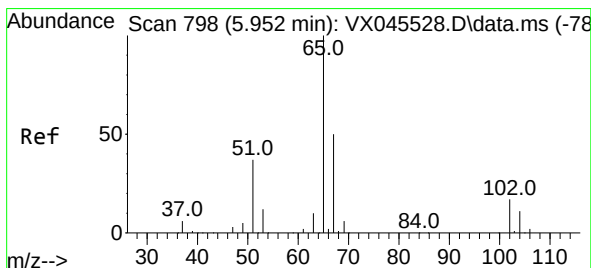
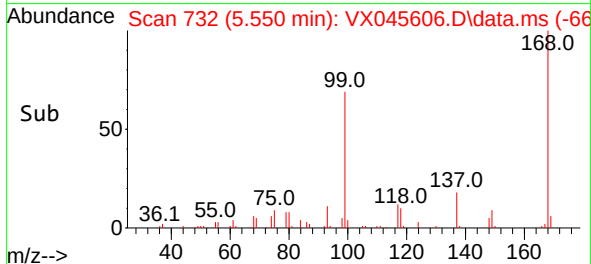
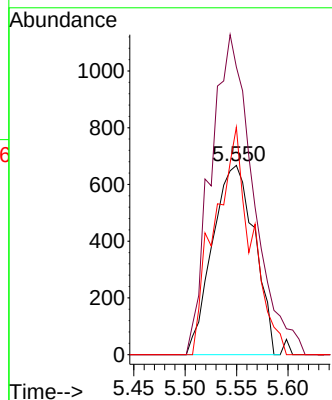


#31
Cyclohexane
Concen: 1.315 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

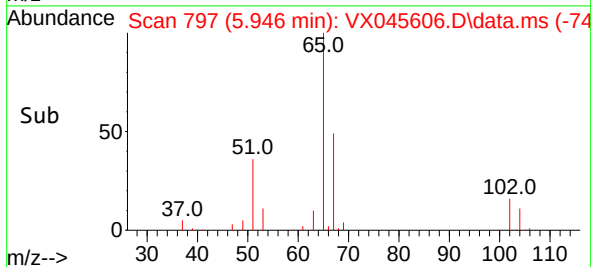
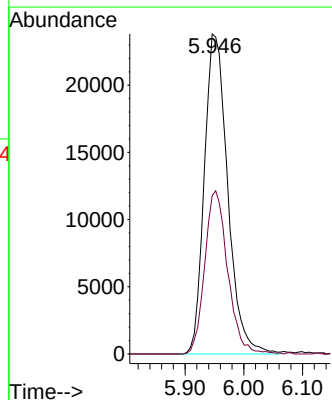
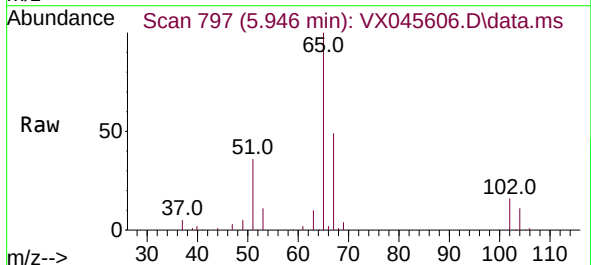


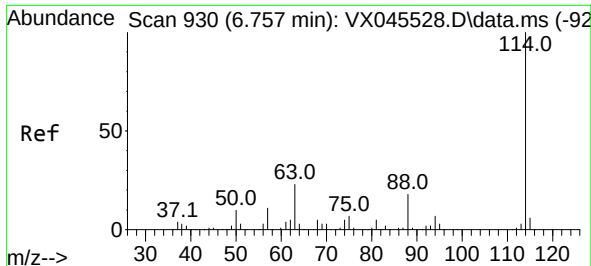
Tgt Ion: 56 Resp: 1895
Ion Ratio Lower Upper
56 100
69 152.0 23.6 35.4#
84 120.2 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 56.145 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion: 65 Resp: 65972
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

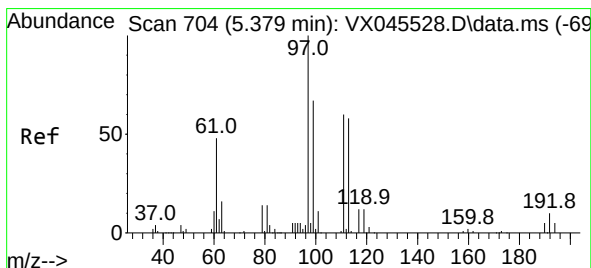
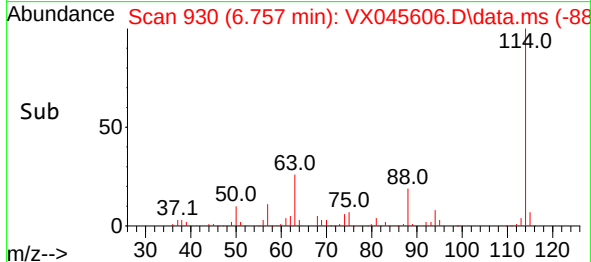
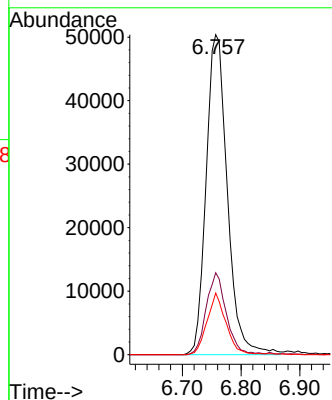
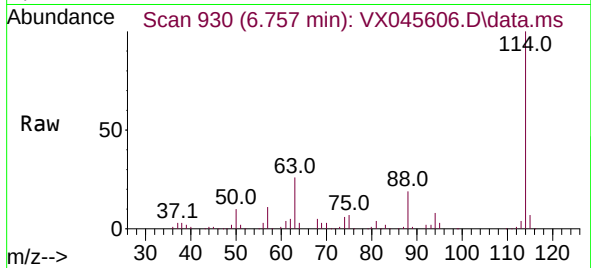




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

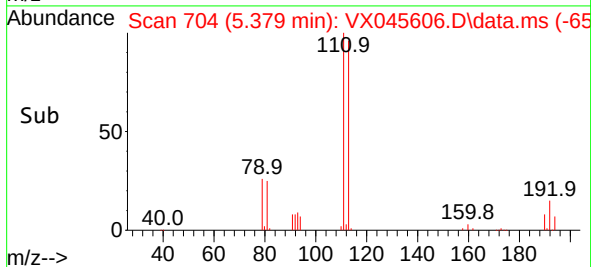
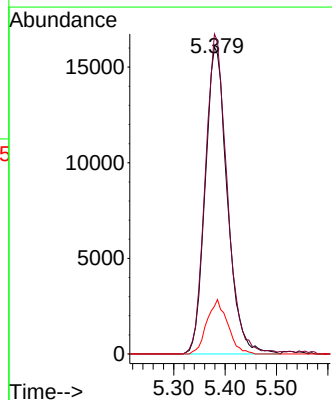
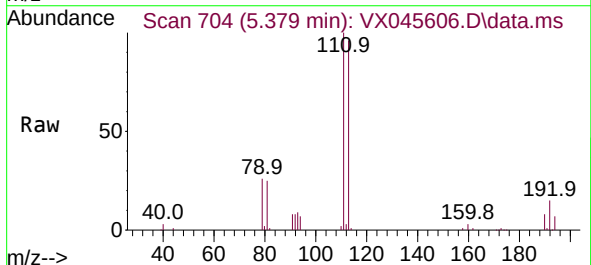
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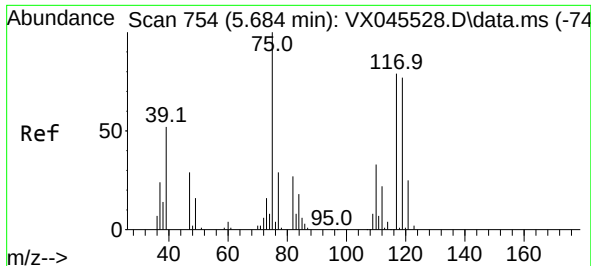
Tgt Ion:114 Resp: 126502
Ion Ratio Lower Upper
114 100
63 25.6 0.0 46.8
88 19.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 53.401 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion:113 Resp: 47929
Ion Ratio Lower Upper
113 100
111 103.6 81.8 122.6
192 16.7 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.249 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045606.D

Acq: 04 Apr 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#05

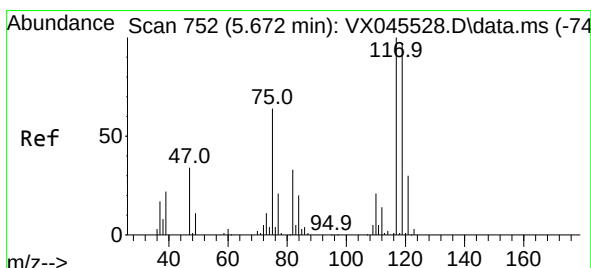
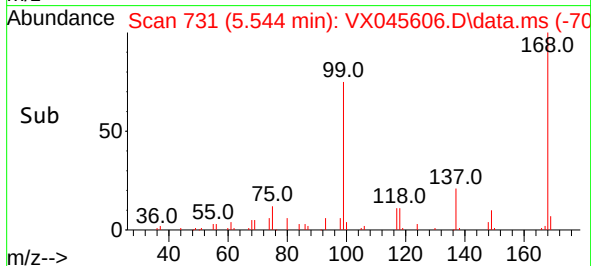
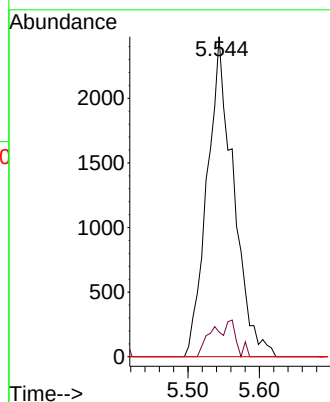
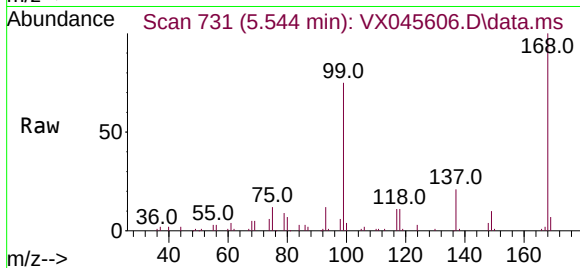
Tgt Ion: 75 Resp: 6361

Ion Ratio Lower Upper

75 100

110 5.8 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.878 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX045606.D

Acq: 04 Apr 2025 17:52

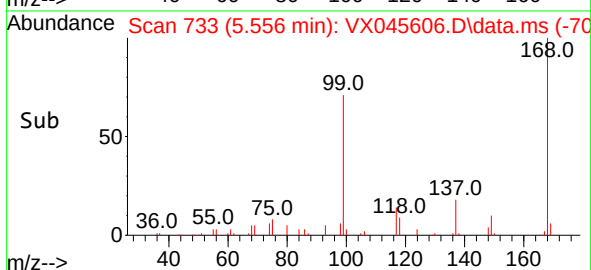
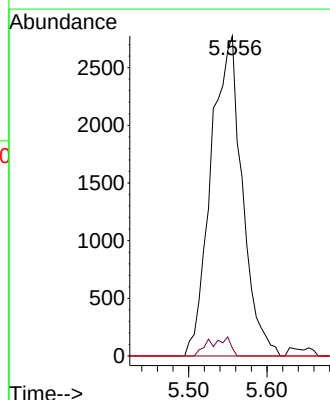
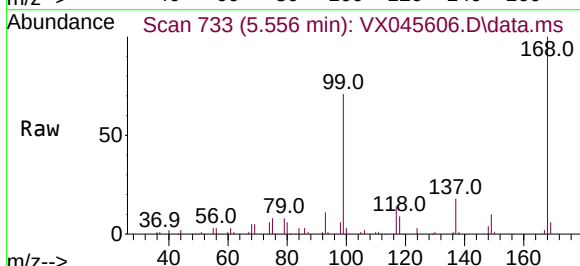
Tgt Ion: 117 Resp: 7698

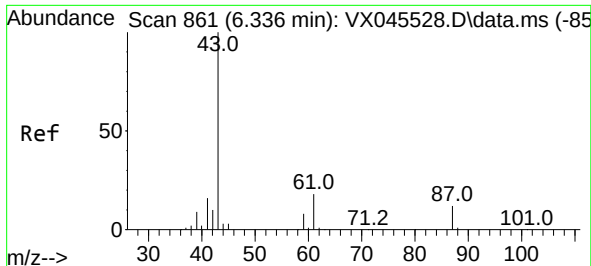
Ion Ratio Lower Upper

117 100

119 2.5 76.9 115.3#

121 0.0 24.2 36.2#

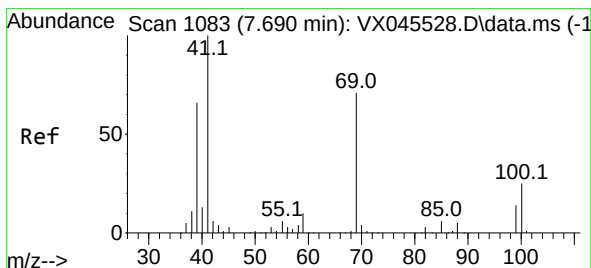
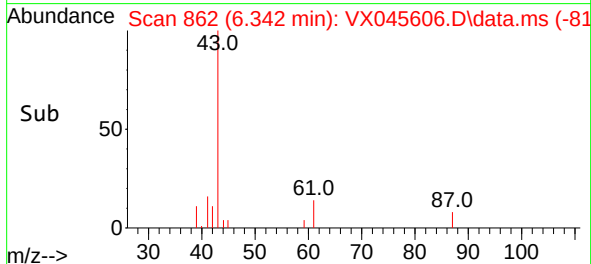
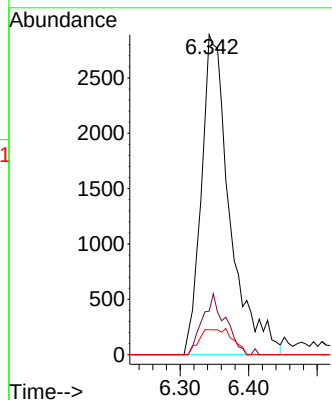
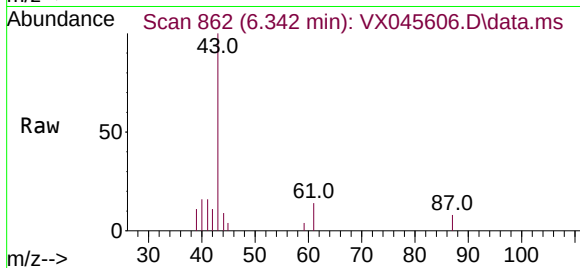




#43
Isopropyl Acetate
Concen: 3.598 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

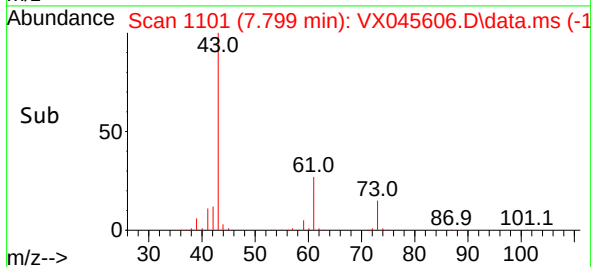
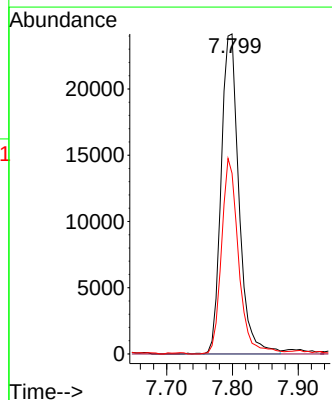
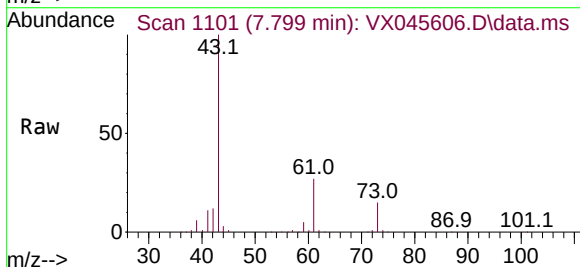
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

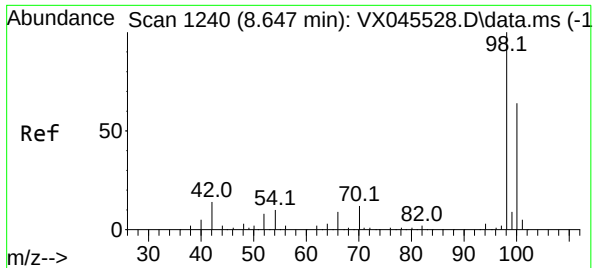
Tgt Ion: 43 Resp: 8329
Ion Ratio Lower Upper
43 100
61 15.2 14.1 21.1
87 0.0 9.2 13.8#



#48
Methyl methacrylate
Concen: 38.051 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion: 41 Resp: 45475
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 58.8 53.6 80.4

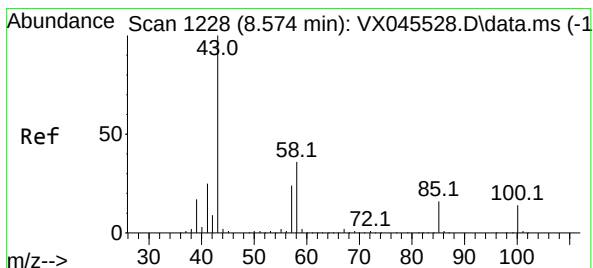
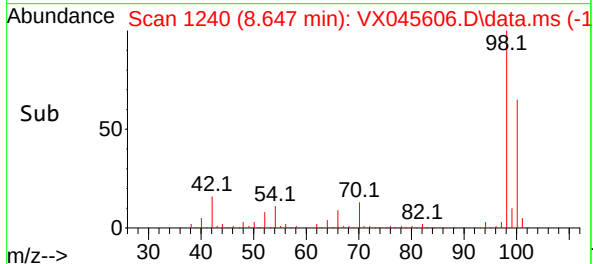
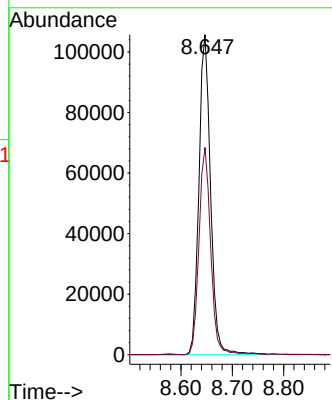
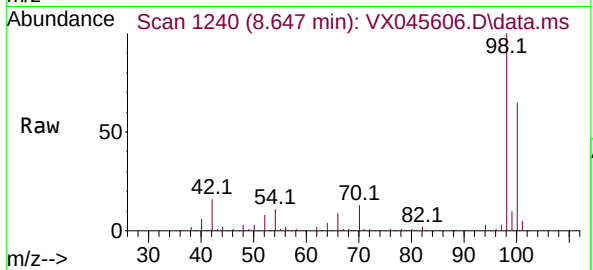




#50
Toluene-d8
Concen: 53.249 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

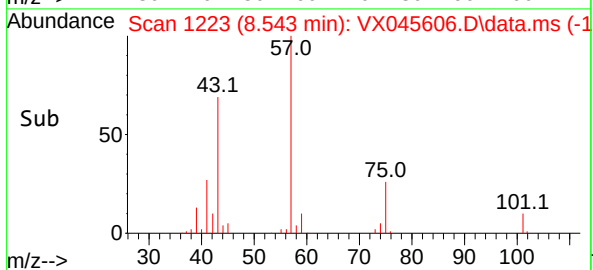
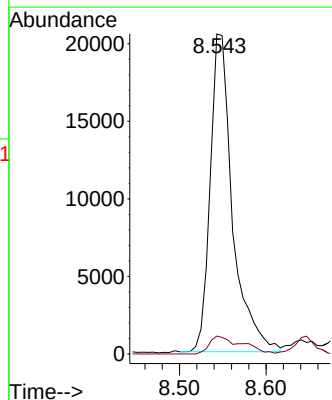
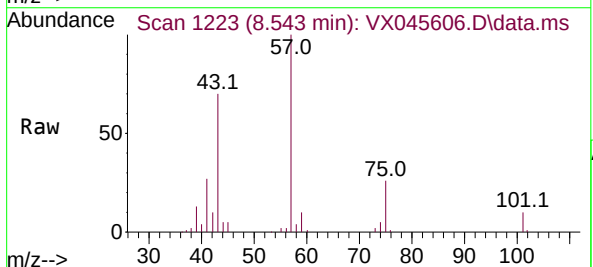
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

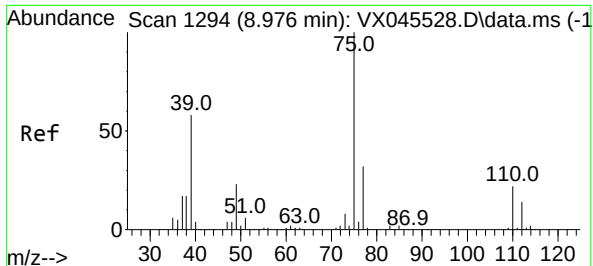
Tgt Ion: 98 Resp: 166815
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 23.930 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion: 43 Resp: 36718
Ion Ratio Lower Upper
43 100
58 8.2 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.421 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX045606.D

Acq: 04 Apr 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

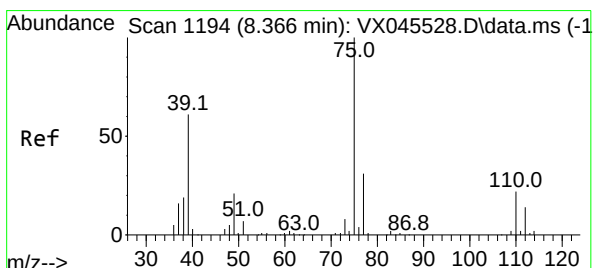
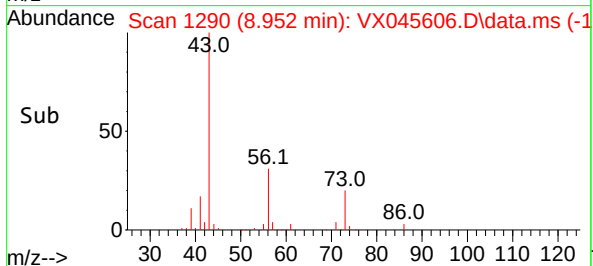
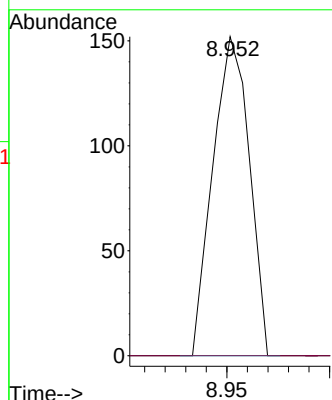
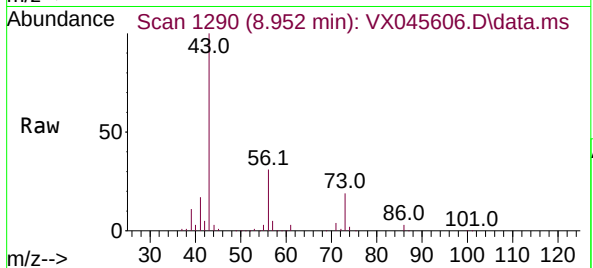
PB167448ZHE#05

Tgt Ion: 75 Resp: 188

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.346 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045606.D

Acq: 04 Apr 2025 17:52

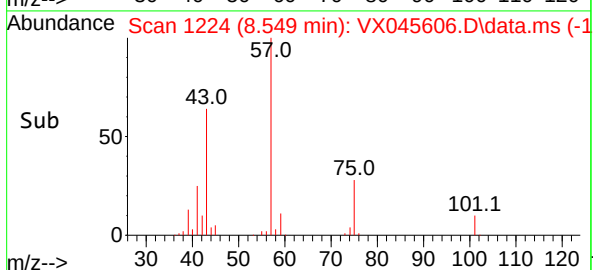
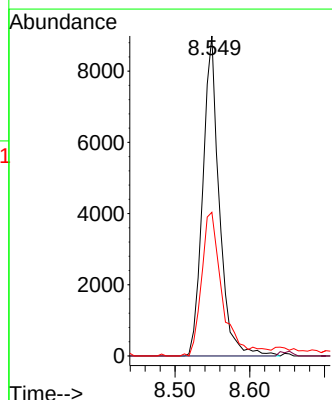
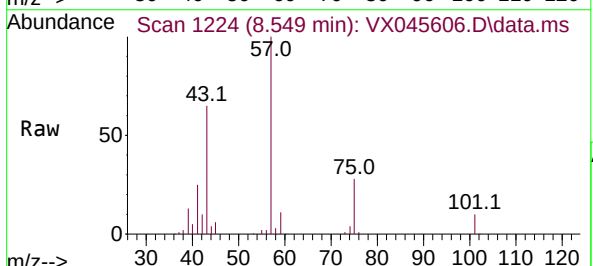
Tgt Ion: 75 Resp: 13764

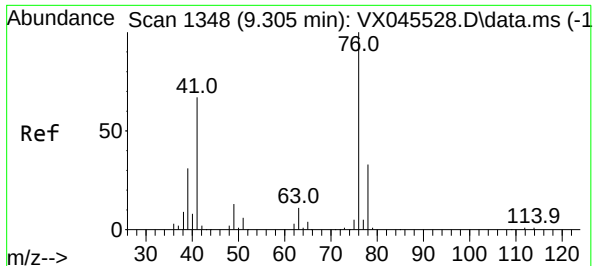
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 44.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.860 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045606.D

Acq: 04 Apr 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

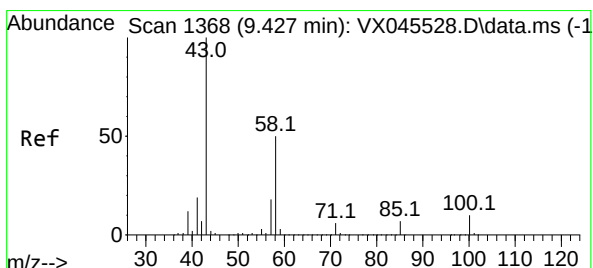
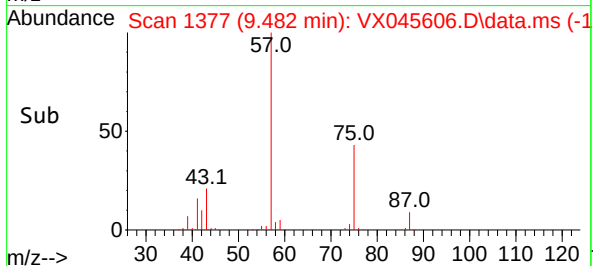
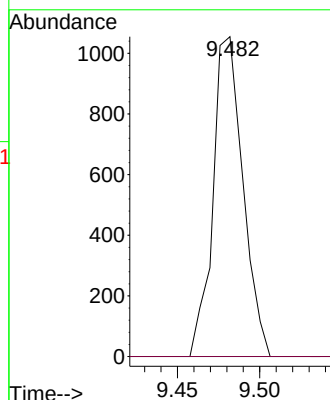
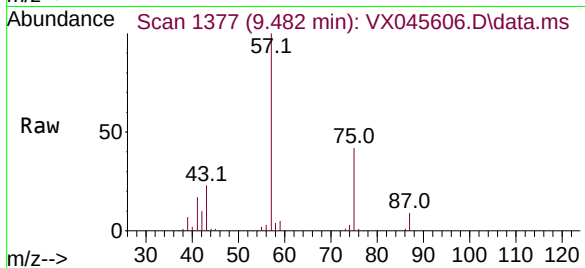
PB167448ZHE#05

Tgt Ion: 76 Resp: 1337

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.652 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045606.D

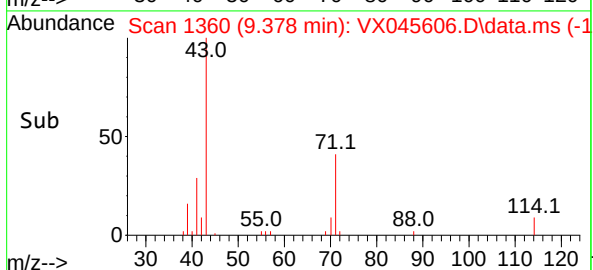
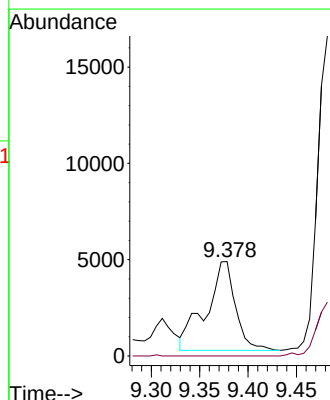
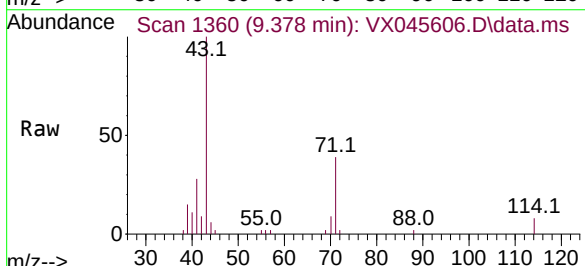
Acq: 04 Apr 2025 17:52

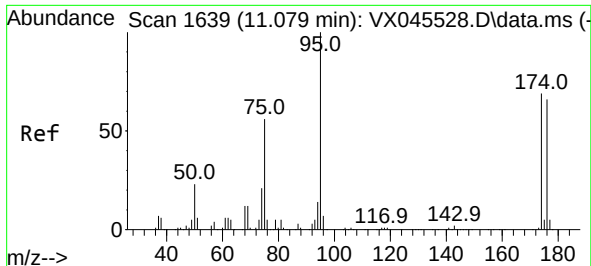
Tgt Ion: 43 Resp: 9831

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

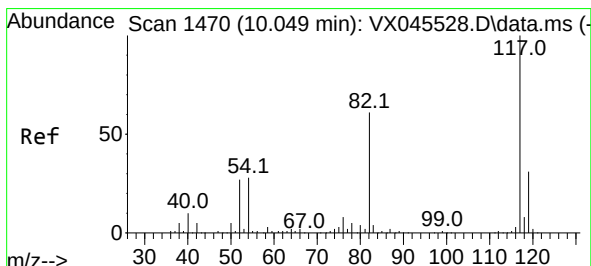
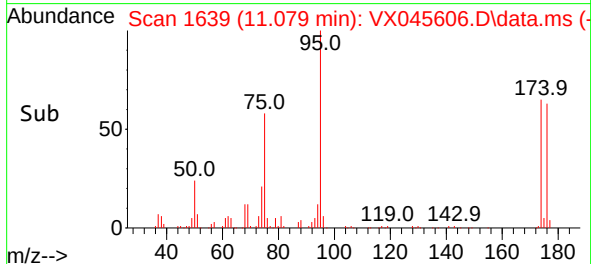
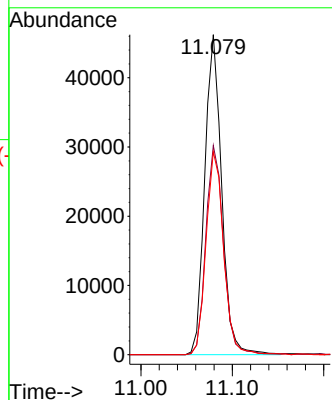
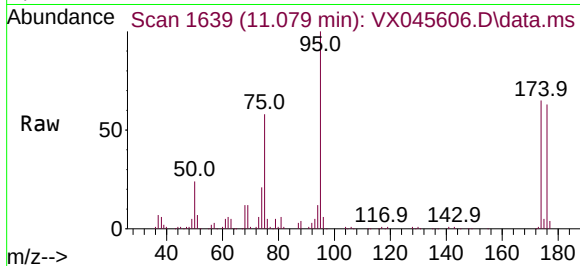




#62
4-Bromofluorobenzene
Concen: 51.880 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

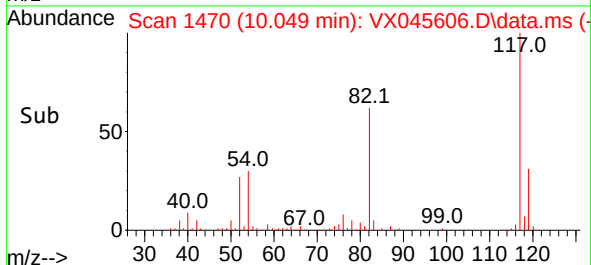
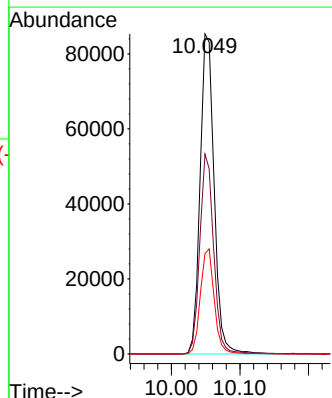
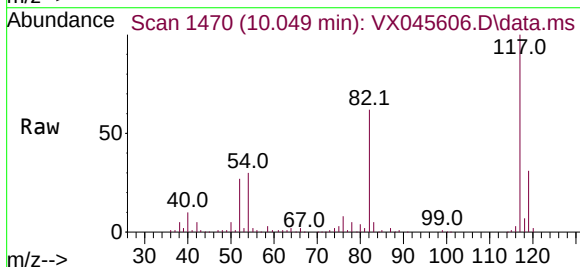
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#05

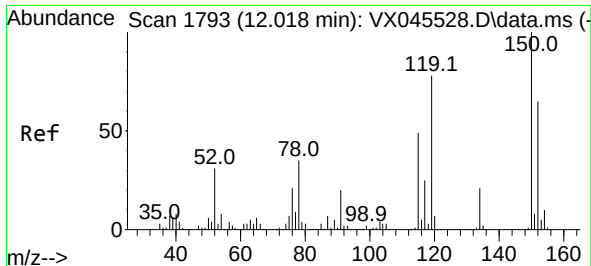
Tgt Ion: 95 Resp: 59200
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.8
176 65.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045606.D
Acq: 04 Apr 2025 17:52

Tgt Ion: 117 Resp: 122085
Ion Ratio Lower Upper
117 100
82 62.4 49.2 73.8
119 31.4 25.1 37.7

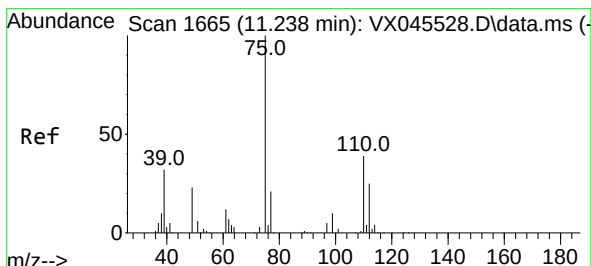
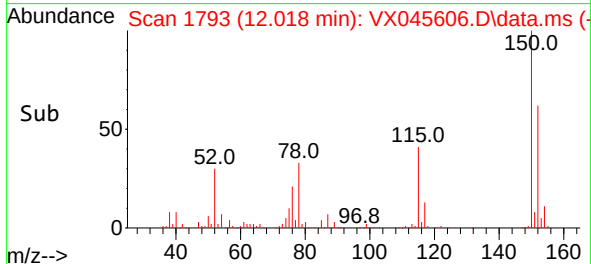
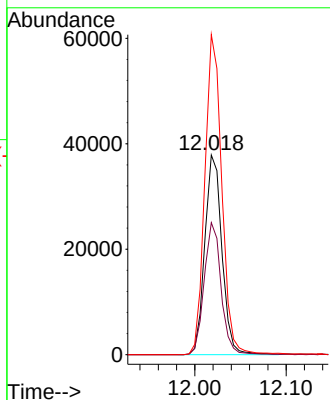
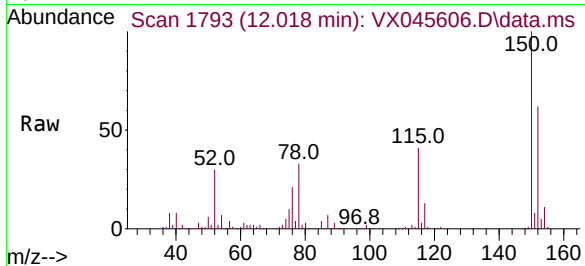




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045606.D
 Acq: 04 Apr 2025 17:52

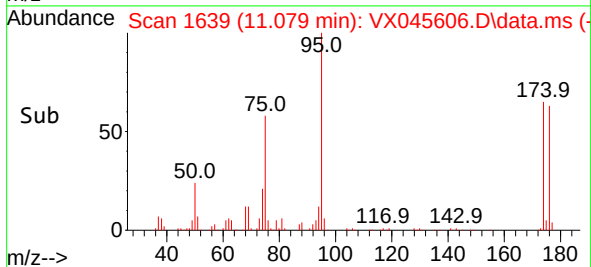
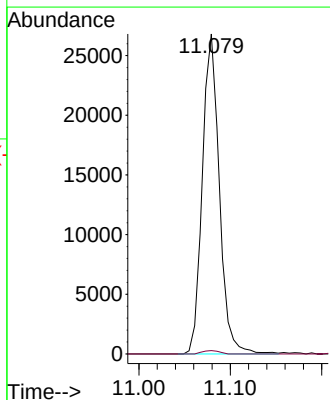
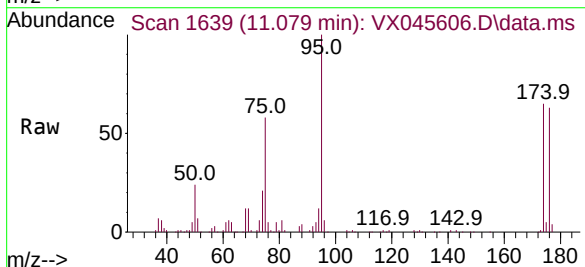
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#05

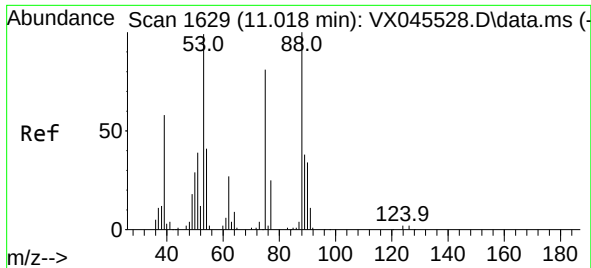
Tgt Ion:152 Resp: 49248
 Ion Ratio Lower Upper
 152 100
 115 65.2 46.9 140.7
 150 158.6 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.814 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045606.D
 Acq: 04 Apr 2025 17:52

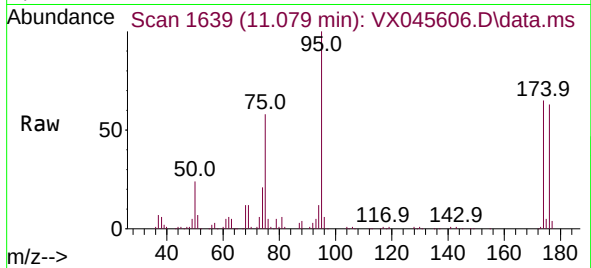
Tgt Ion: 75 Resp: 34613
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.790 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045606.D
 Acq: 04 Apr 2025 17:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#05



Tgt Ion: 75 Resp: 34613
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

