

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045806.D
 Acq On : 16 Apr 2025 14:35
 Operator : JC/MD
 Sample : PB167604ZHE#64
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#64

Quant Time: Apr 17 01:36:56 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)

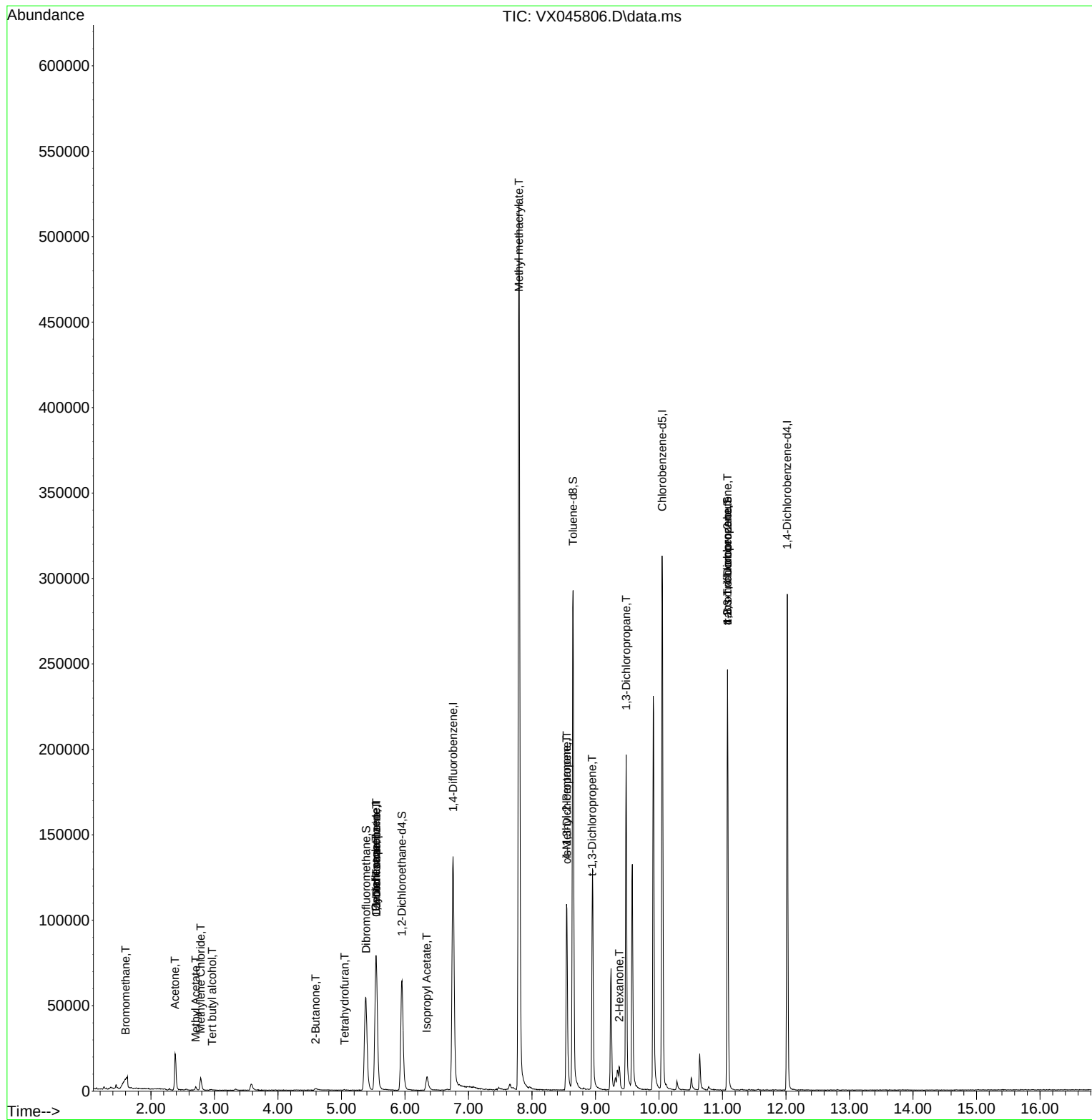
Internal Standards						
1) Pentafluorobenzene	5.544	168	67150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65723	53.520	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.040%			
35) Dibromofluoromethane	5.385	113	47993	50.682	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	8.647	98	168076	50.852	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.700%			
62) 4-Bromofluorobenzene	11.079	95	63740	52.944	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.880%			
Target Compounds						Qvalue
5) Bromomethane	1.599	94	116	0.259	ug/l #	3
11) Tert butyl alcohol	2.965	59	194	1.176	ug/l #	72
16) Acetone	2.380	43	23748	47.096	ug/l	97
18) Methyl Acetate	2.703	43	2468	2.126	ug/l	91
20) Methylene Chloride	2.782	84	3207	3.397	ug/l #	75
25) 2-Butanone	4.593	43	2709	3.670	ug/l	91
29) Tetrahydrofuran	5.050	42	263	0.550	ug/l #	49
31) Cyclohexane	5.544	56	2162	1.435	ug/l #	54
36) 1,1-Dichloropropene	5.550	75	6460	5.053	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7649	5.536	ug/l #	17
43) Isopropyl Acetate	6.342	43	12065	4.941	ug/l	99
48) Methyl methacrylate	7.793	41	50810	40.297	ug/l #	50
51) 4-Methyl-2-Pentanone	8.543	43	41940	25.907	ug/l #	52
53) t-1,3-Dichloropropene	8.946	75	344	2.518	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	16262	11.586	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1577	0.962	ug/l #	42
59) 2-Hexanone	9.372	43	11951	9.969	ug/l #	28
76) 1,2,3-Trichloropropane	11.079	75	36185	28.224	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36185	95.789	ug/l #	1

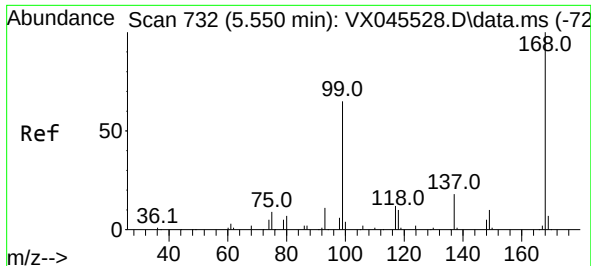
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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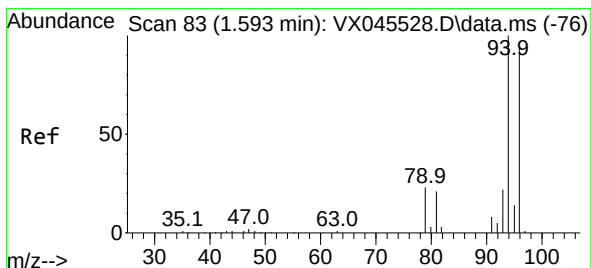
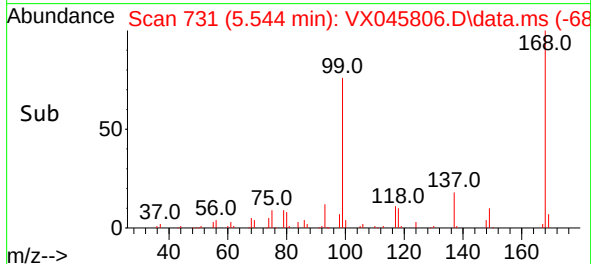
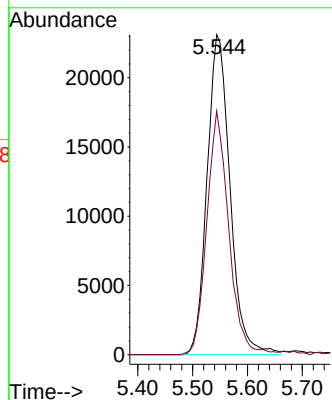
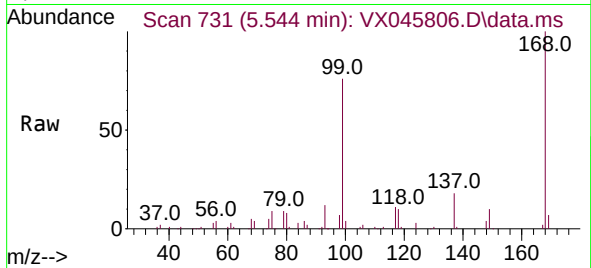




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

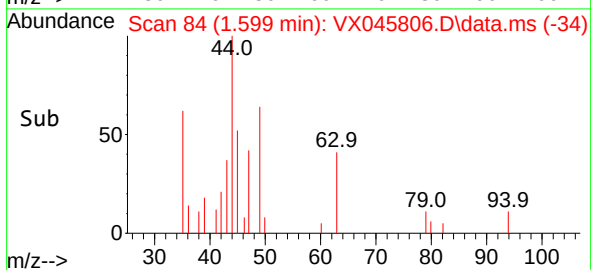
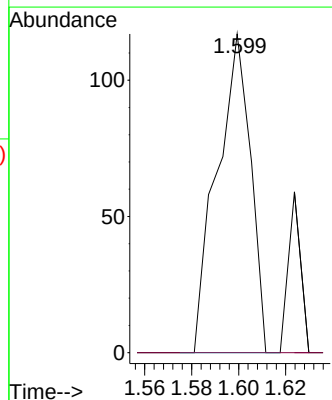
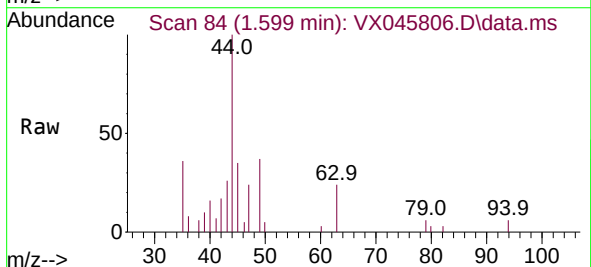
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

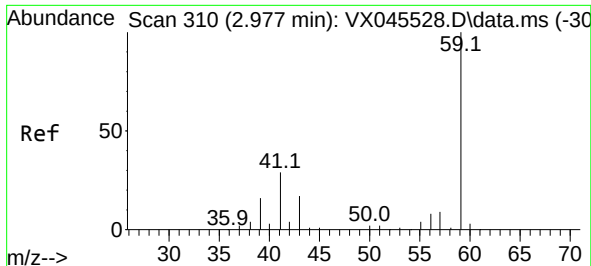
Tgt Ion:168 Resp: 67150
Ion Ratio Lower Upper
168 100
99 76.1 52.3 78.5



#5
Bromomethane
Concen: 0.259 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

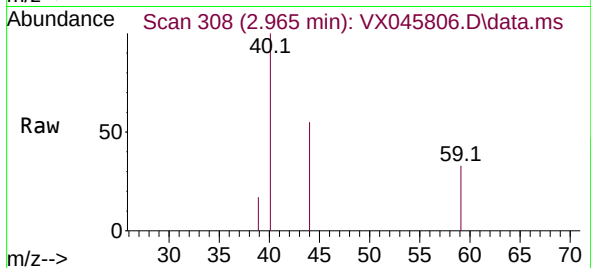
Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



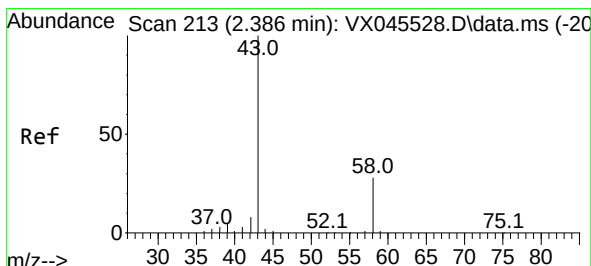
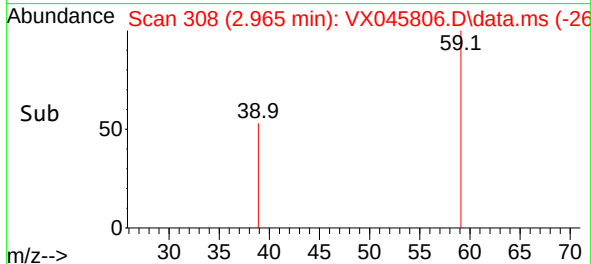
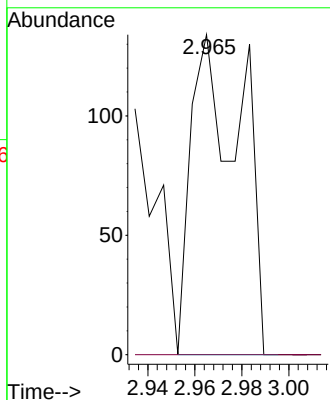


#11
Tert butyl alcohol
Concen: 1.176 ug/l
RT: 2.965 min Scan# 30
Delta R.T. -0.012 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

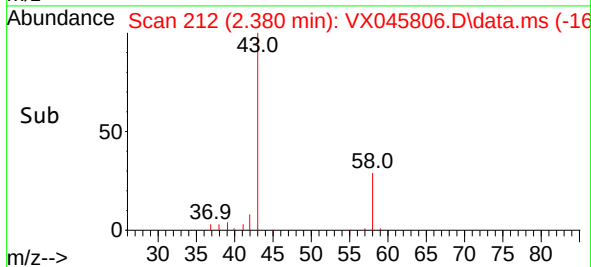
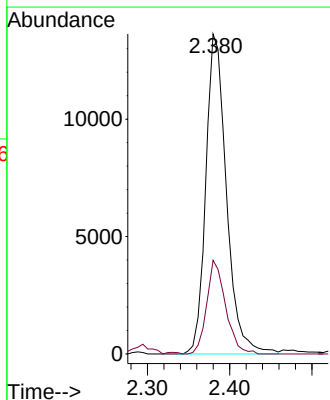
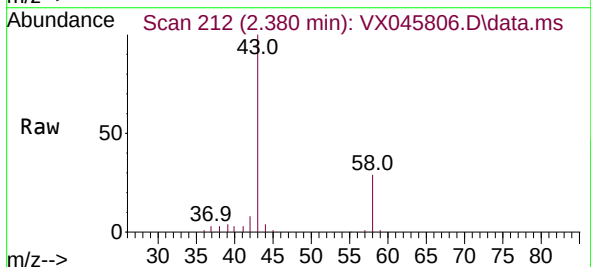


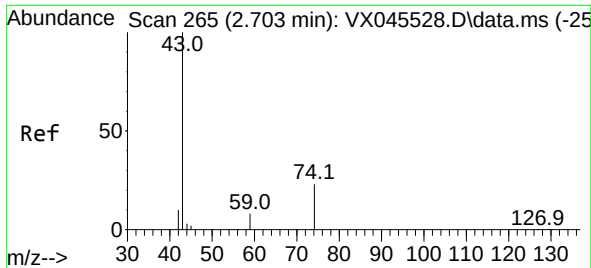
Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 47.096 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion: 43 Resp: 23748
Ion Ratio Lower Upper
43 100
58 29.3 22.3 33.5

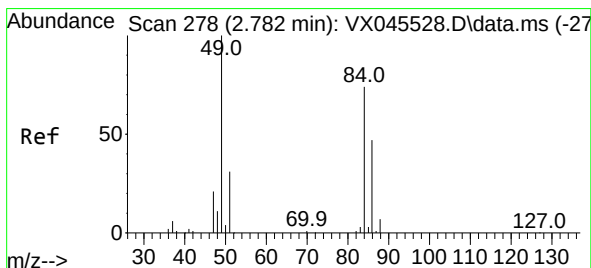
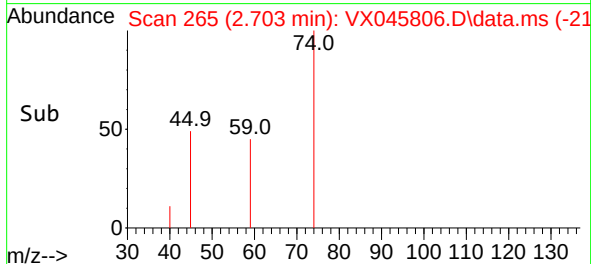
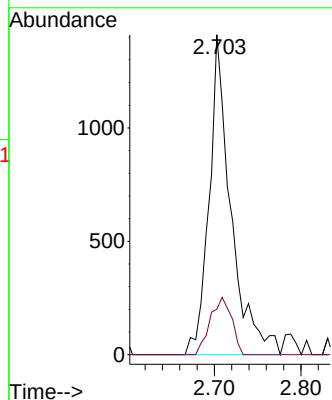
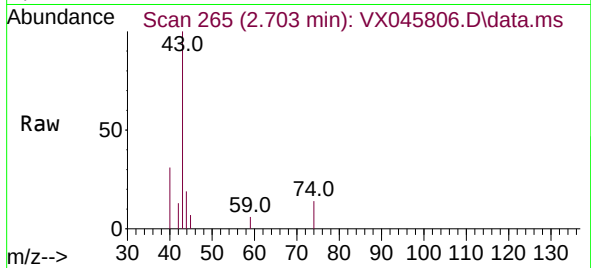




#18
Methyl Acetate
Concen: 2.126 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

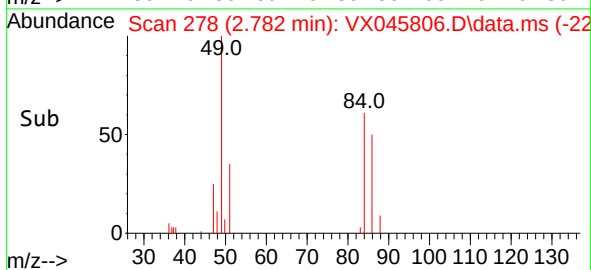
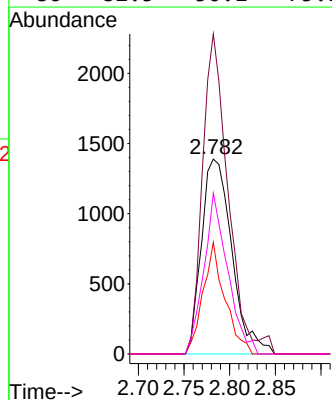
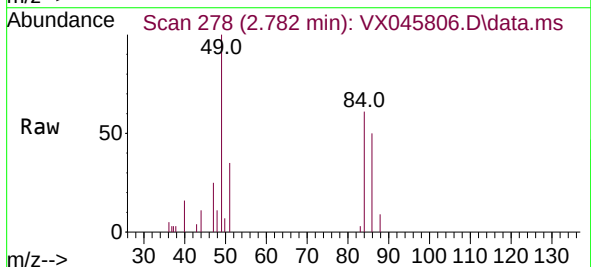
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

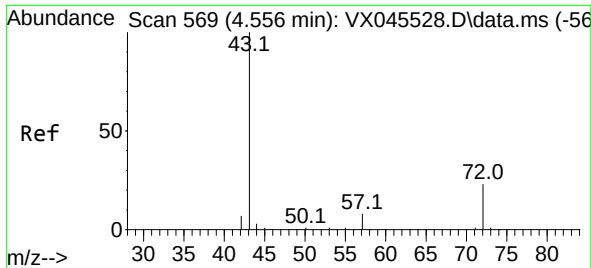
Tgt Ion: 43 Resp: 2468
Ion Ratio Lower Upper
43 100
74 17.6 17.5 26.3



#20
Methylene Chloride
Concen: 3.397 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion: 84 Resp: 3207
Ion Ratio Lower Upper
84 100
49 164.2 107.5 161.3#
51 57.3 33.0 49.6#
86 82.5 50.1 75.1#

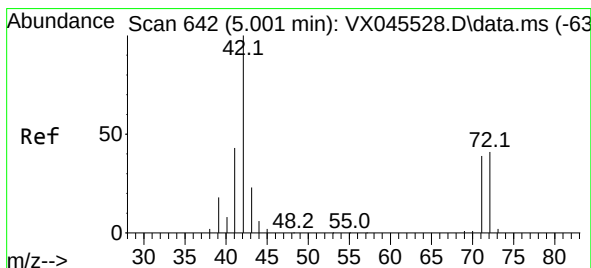
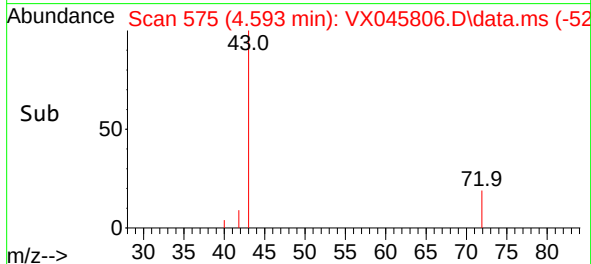
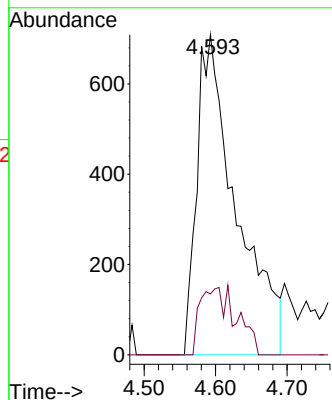
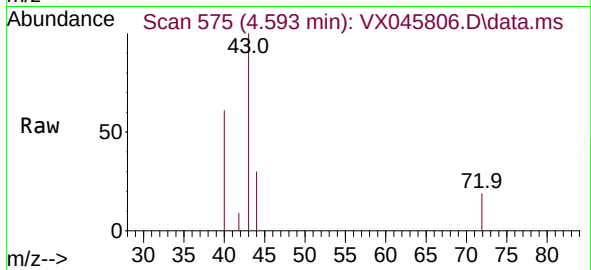




#25
2-Butanone
Concen: 3.670 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

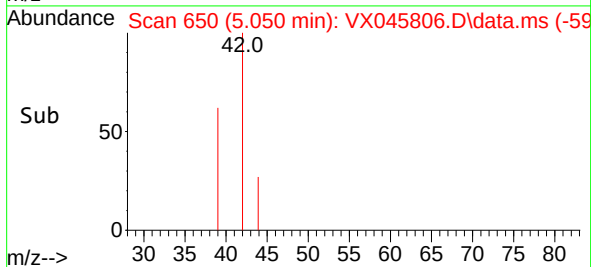
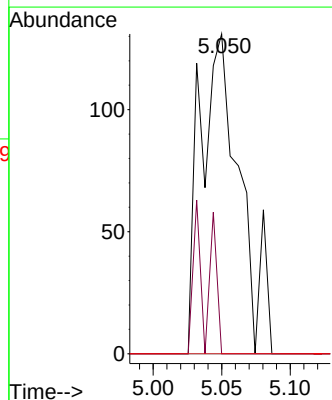
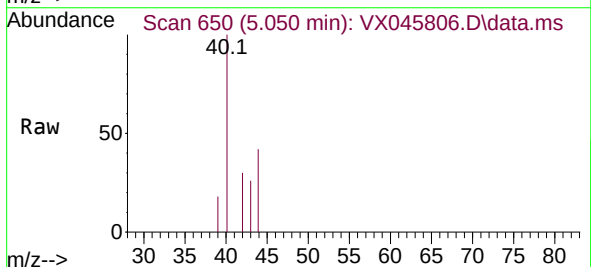
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

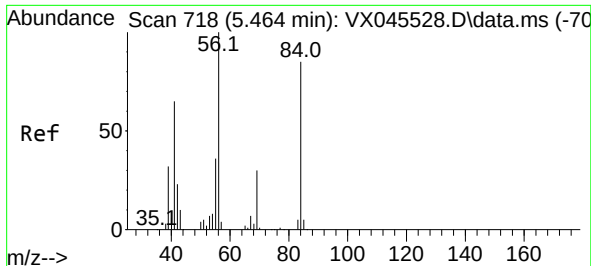
Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
72 19.0 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.550 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.049 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

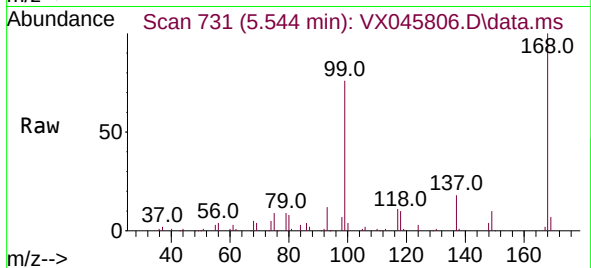
Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 16.7 33.4 50.0#
71 0.0 31.4 47.0#



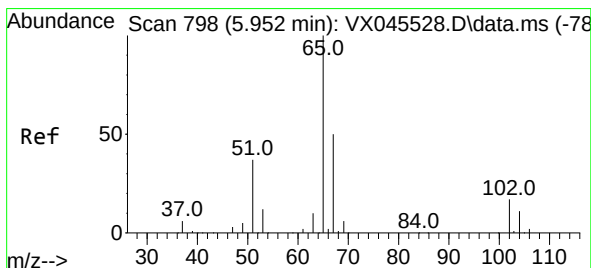
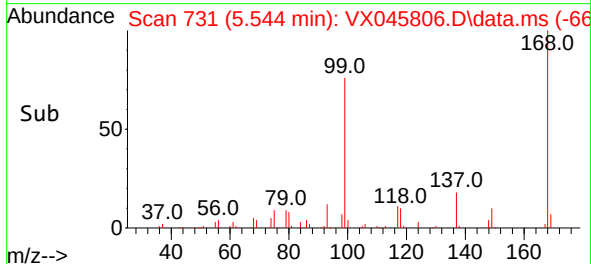
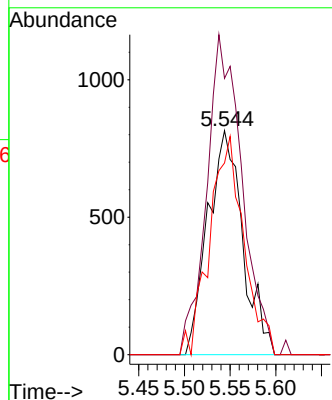


#31
Cyclohexane
Concen: 1.435 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045806.D
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Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

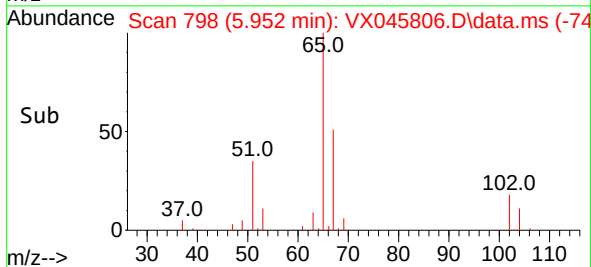
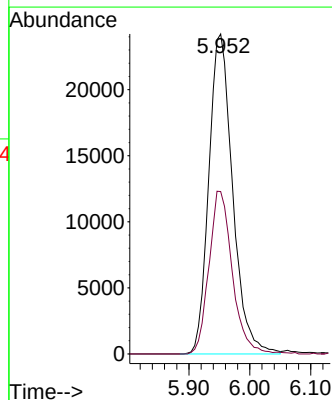
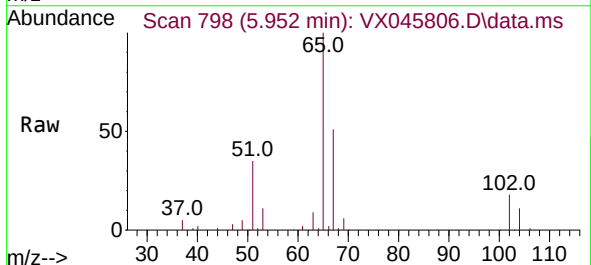


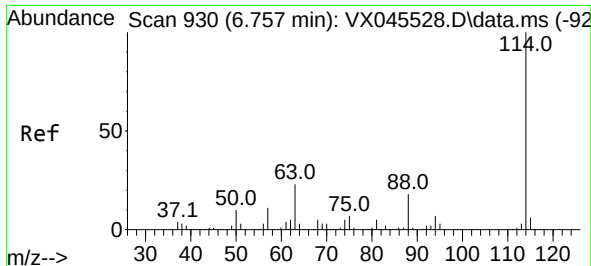
Tgt Ion: 56 Resp: 2162
Ion Ratio Lower Upper
56 100
69 123.3 23.6 35.4#
84 85.5 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 53.520 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion: 65 Resp: 65723
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

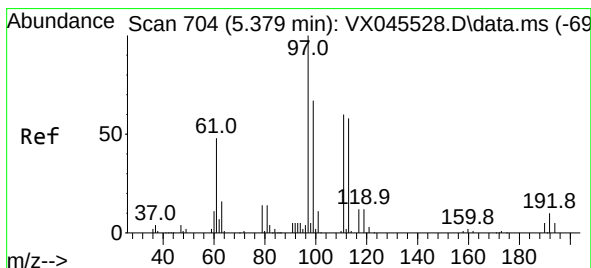
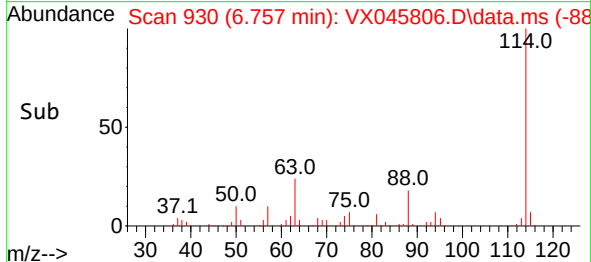
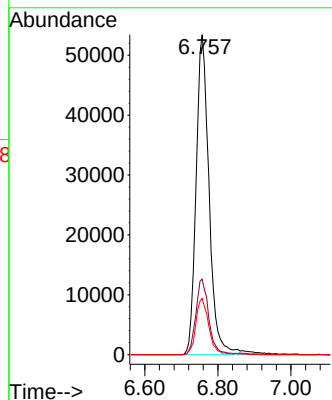
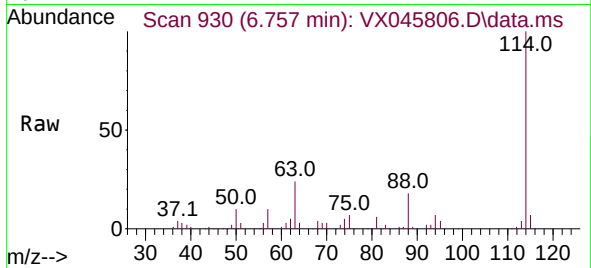




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

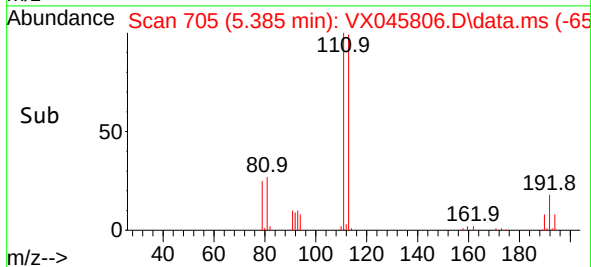
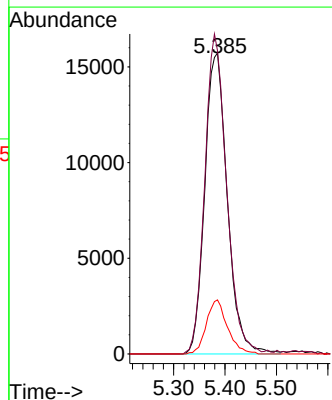
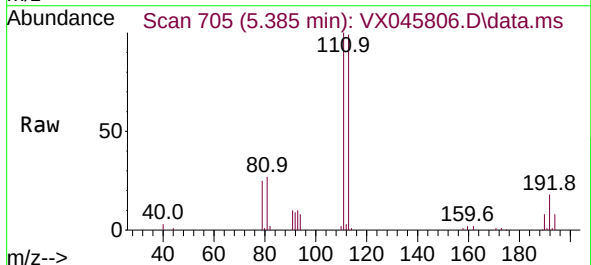
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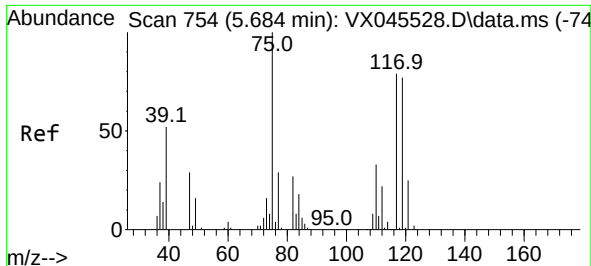
Tgt Ion:114 Resp: 133465
Ion Ratio Lower Upper
114 100
63 23.6 0.0 46.8
88 17.6 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.682 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion:113 Resp: 47993
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.053 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX045806.D

Acq: 16 Apr 2025 14:35

Instrument :

MSVOA_X

ClientSampleId :

PB167604ZHE#64

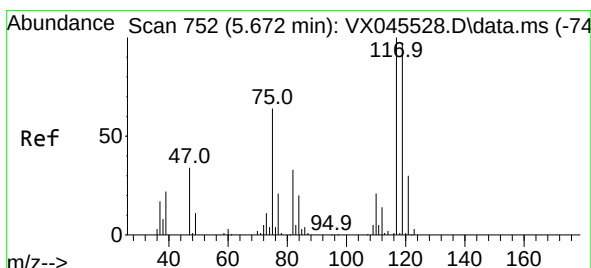
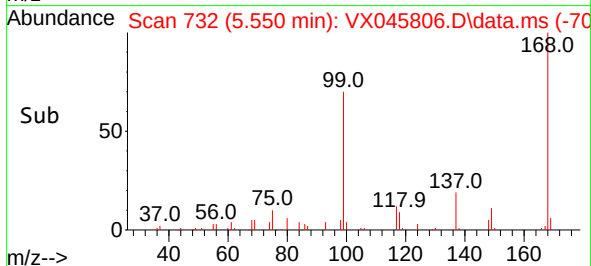
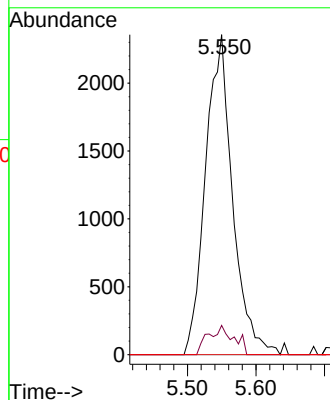
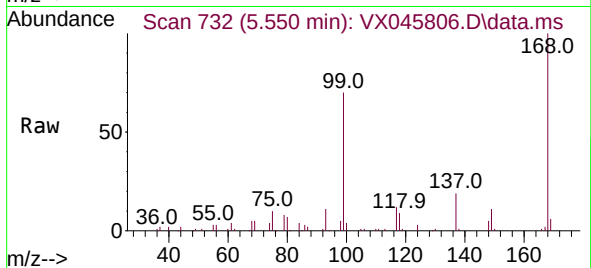
Tgt Ion: 75 Resp: 6460

Ion Ratio Lower Upper

75 100

110 8.5 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.536 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045806.D

Acq: 16 Apr 2025 14:35

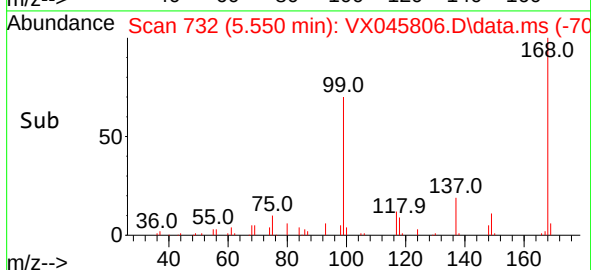
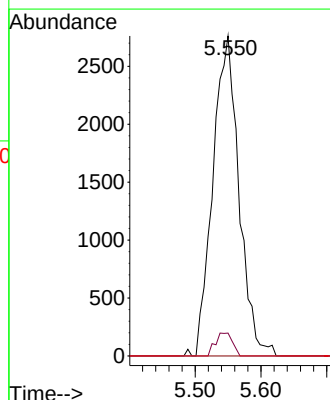
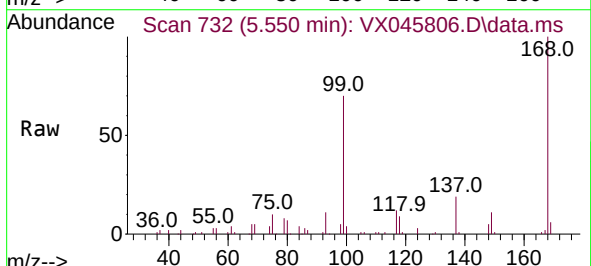
Tgt Ion: 117 Resp: 7649

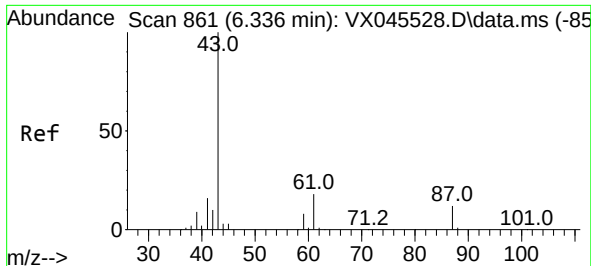
Ion Ratio Lower Upper

117 100

119 7.1 76.9 115.3#

121 0.0 24.2 36.2#

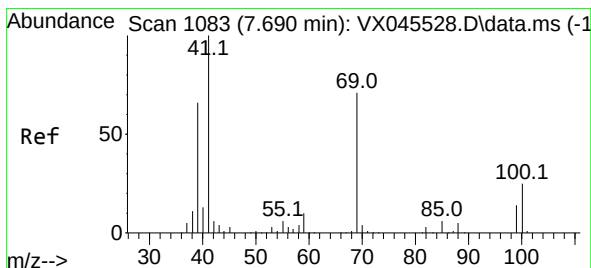
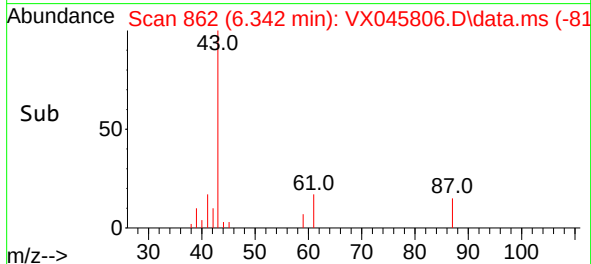
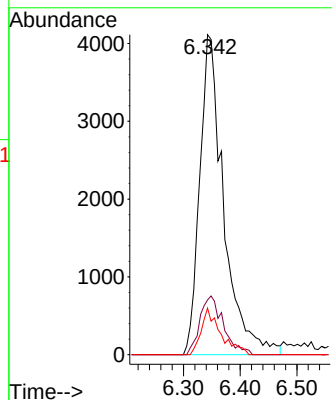
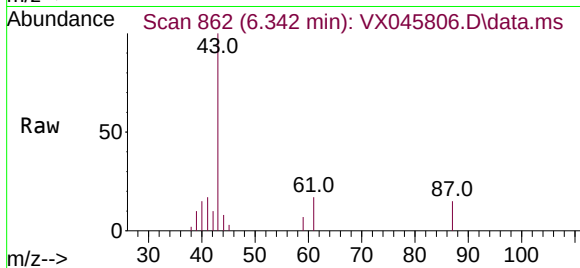




#43
Isopropyl Acetate
Concen: 4.941 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

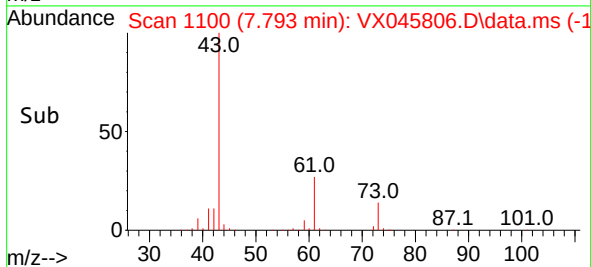
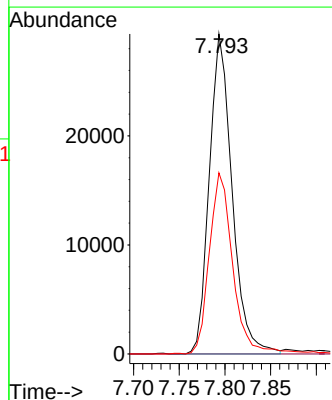
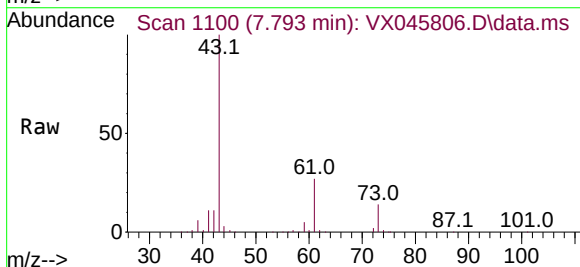
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

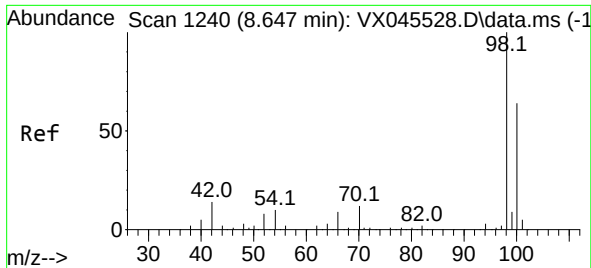
Tgt Ion: 43 Resp: 12065
Ion Ratio Lower Upper
43 100
61 17.9 14.1 21.1
87 11.8 9.2 13.8



#48
Methyl methacrylate
Concen: 40.297 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion: 41 Resp: 50810
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.2 53.6 80.4

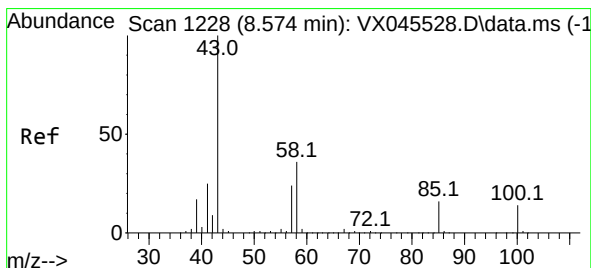
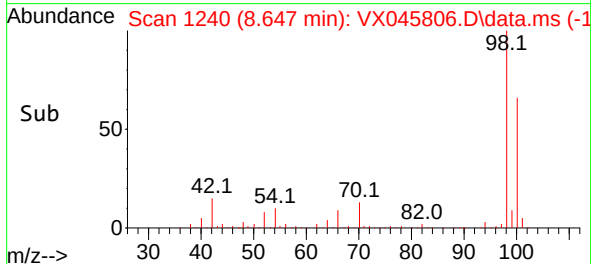
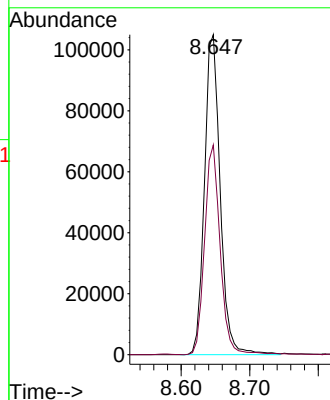
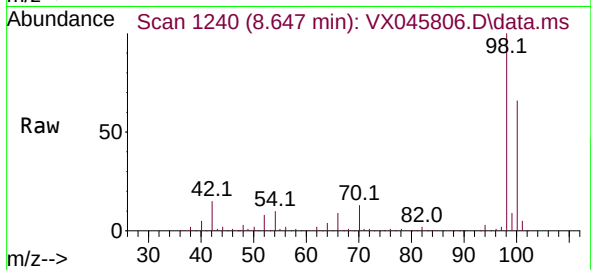




#50
Toluene-d8
Concen: 50.852 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

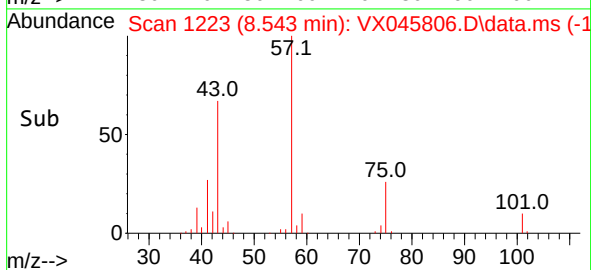
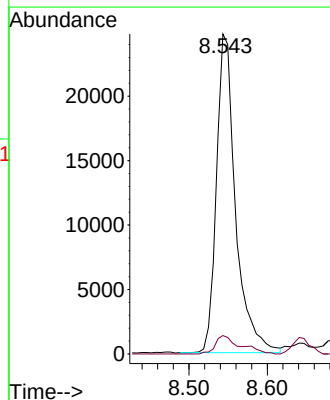
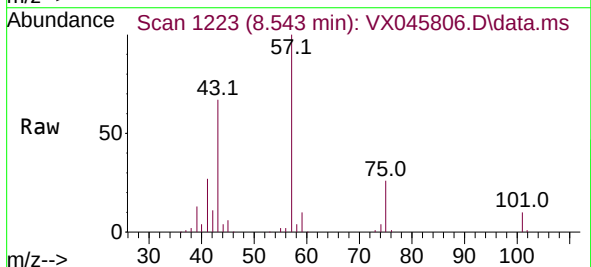
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

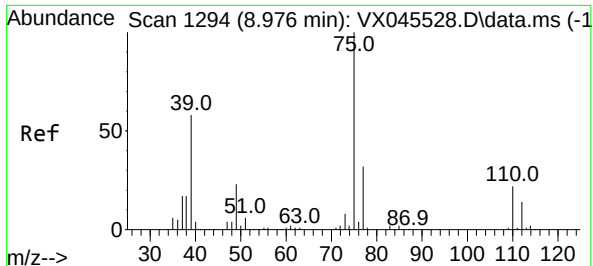
Tgt Ion: 98 Resp: 168076
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.907 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion: 43 Resp: 41940
Ion Ratio Lower Upper
43 100
58 7.5 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.518 ug/l

RT: 8.946 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX045806.D

Acq: 16 Apr 2025 14:35

Instrument :

MSVOA_X

ClientSampleId :

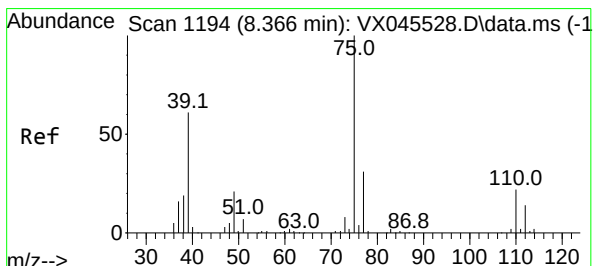
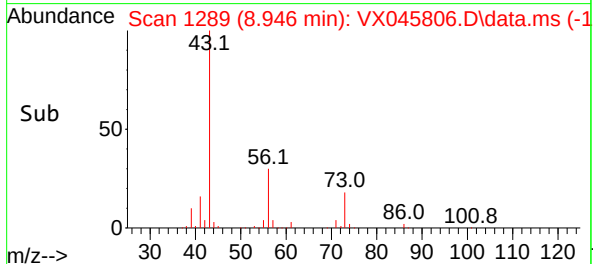
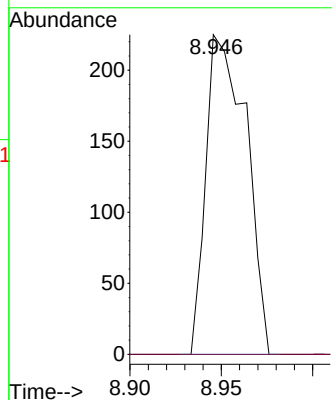
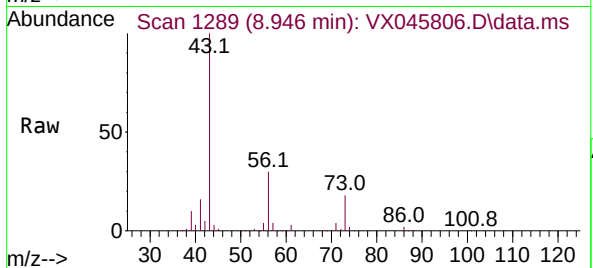
PB167604ZHE#64

Tgt Ion: 75 Resp: 344

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 11.586 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045806.D

Acq: 16 Apr 2025 14:35

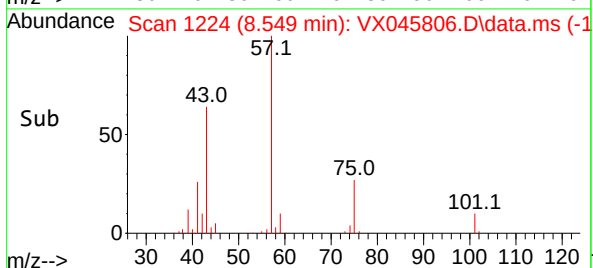
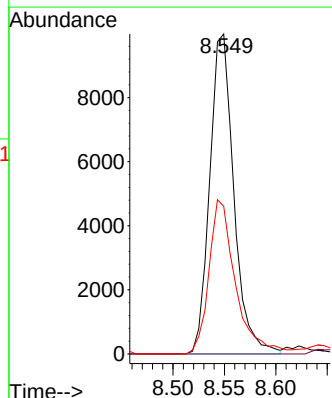
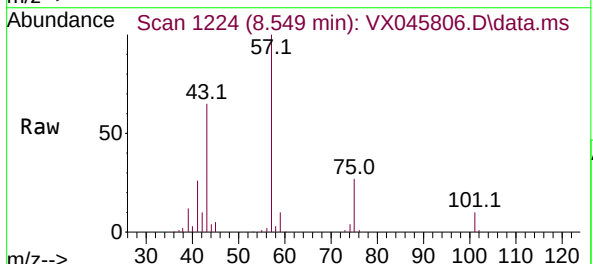
Tgt Ion: 75 Resp: 16262

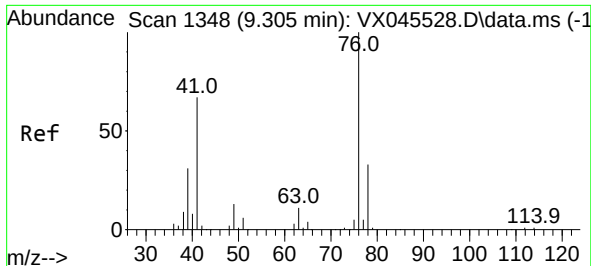
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 46.1 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.962 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045806.D

Acq: 16 Apr 2025 14:35

Instrument :

MSVOA_X

ClientSampleId :

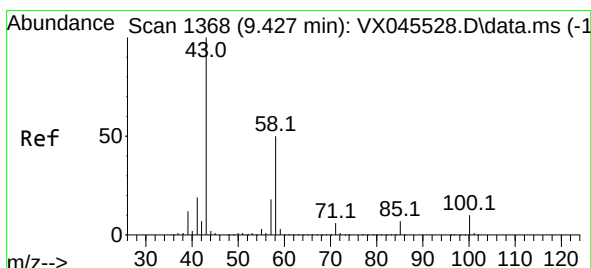
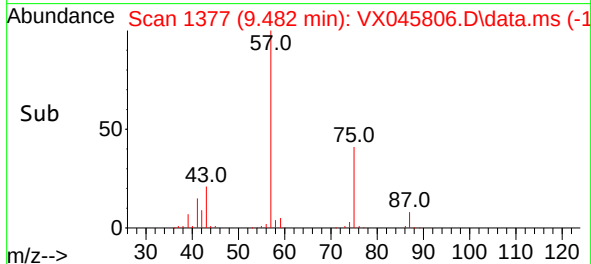
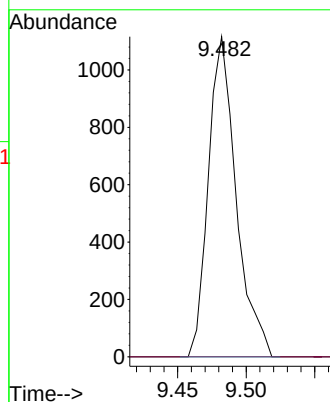
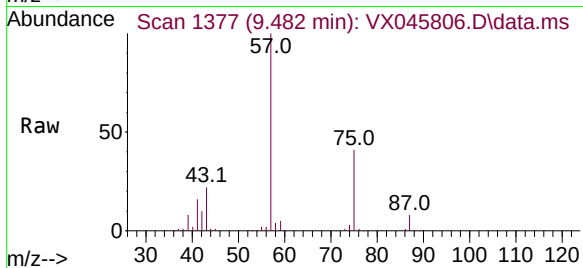
PB167604ZHE#64

Tgt Ion: 76 Resp: 1577

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 9.969 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045806.D

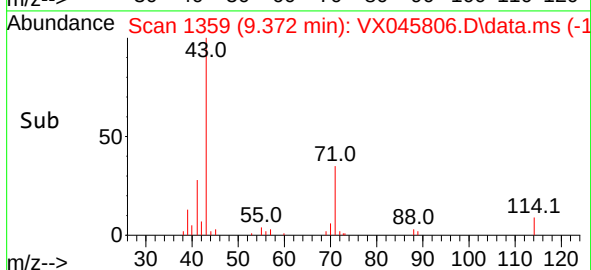
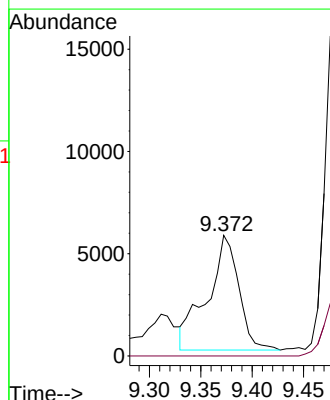
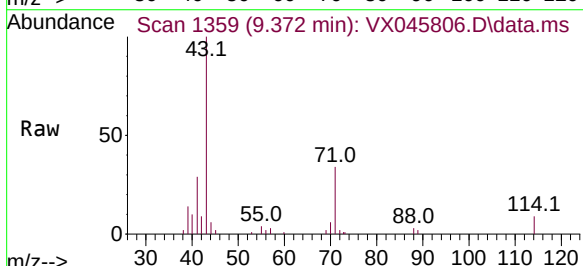
Acq: 16 Apr 2025 14:35

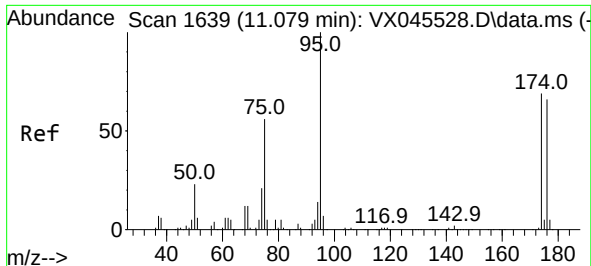
Tgt Ion: 43 Resp: 11951

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

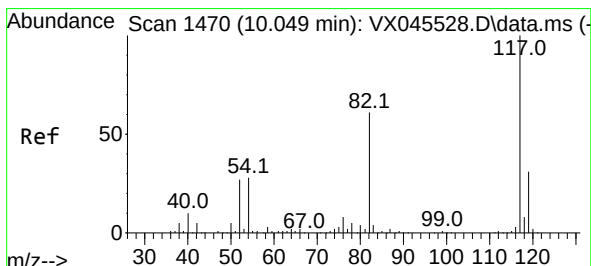
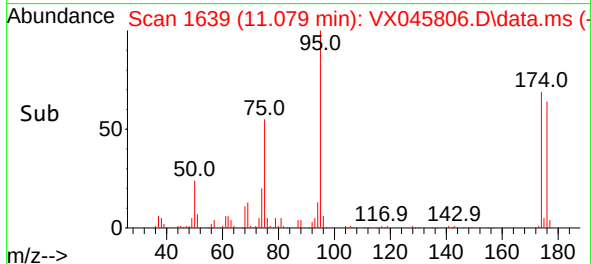
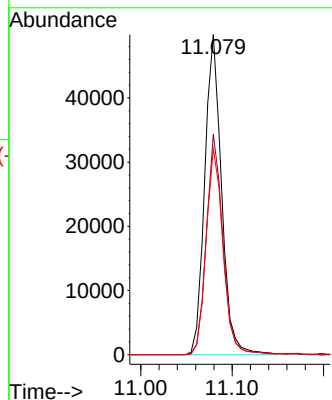
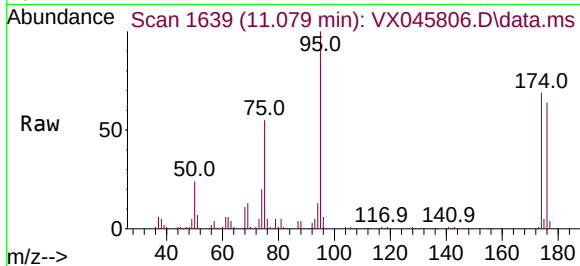




#62
4-Bromofluorobenzene
Concen: 52.944 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

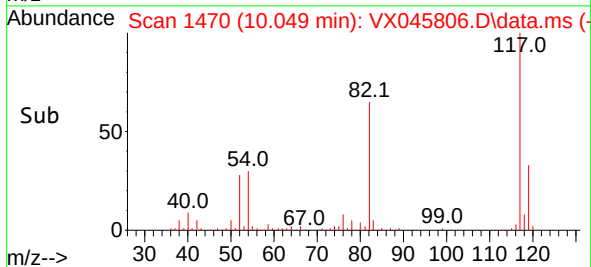
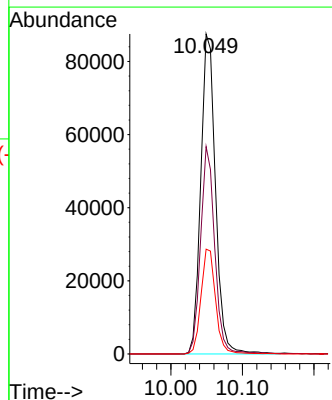
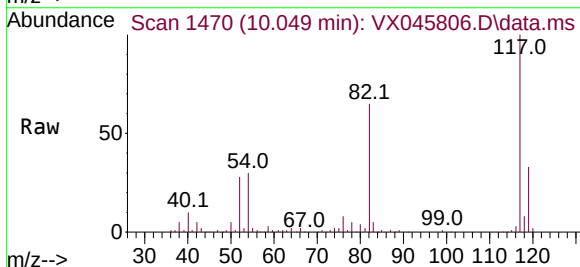
Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64

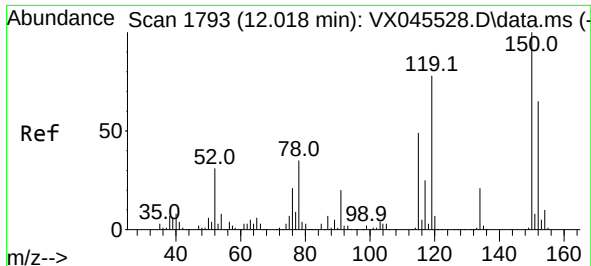
Tgt Ion: 95 Resp: 63740
Ion Ratio Lower Upper
95 100
174 68.0 0.0 135.8
176 64.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Tgt Ion: 117 Resp: 125271
Ion Ratio Lower Upper
117 100
82 64.8 49.2 73.8
119 32.7 25.1 37.7

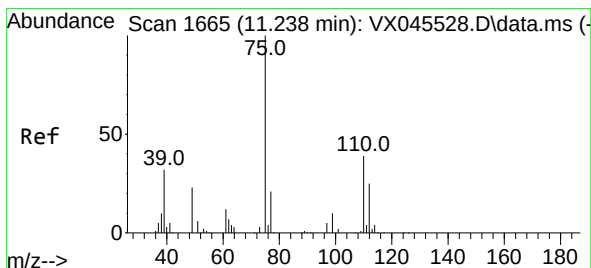
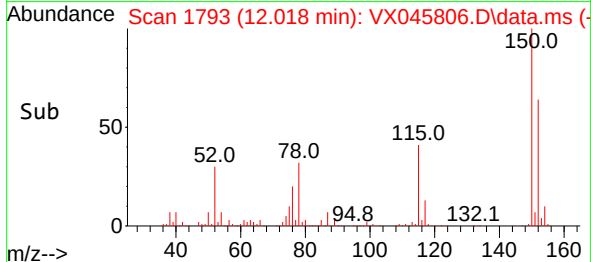
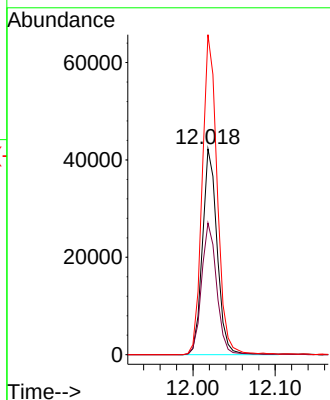
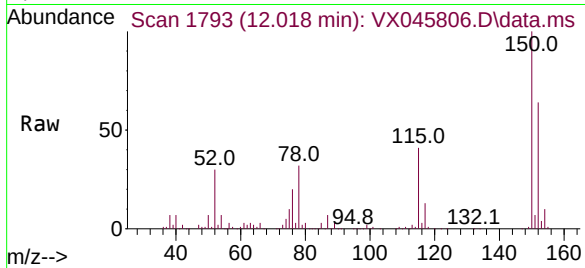




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045806.D
 Acq: 16 Apr 2025 14:35

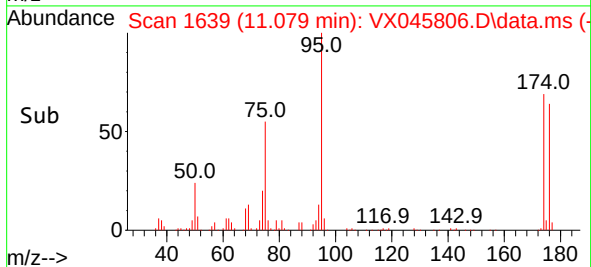
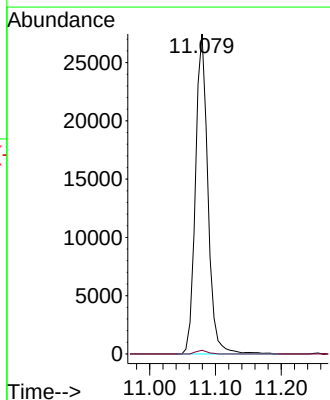
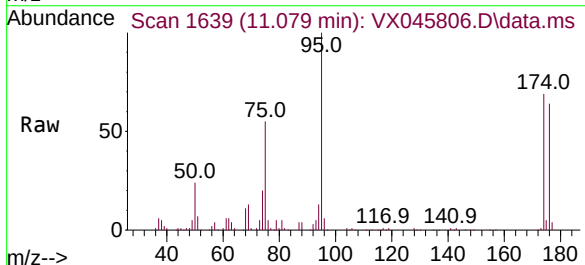
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167604ZHE#64

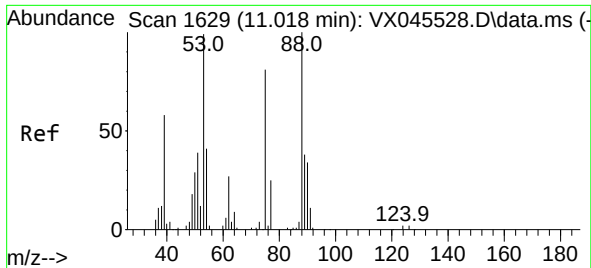
Tgt Ion:152 Resp: 52560
 Ion Ratio Lower Upper
 152 100
 115 65.7 46.9 140.7
 150 158.7 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.224 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX045806.D
 Acq: 16 Apr 2025 14:35

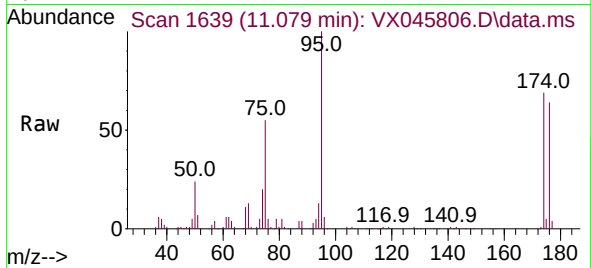
Tgt Ion: 75 Resp: 36185
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.789 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045806.D
Acq: 16 Apr 2025 14:35

Instrument :
MSVOA_X
ClientSampleId :
PB167604ZHE#64



Tgt Ion: 75 Resp: 36185
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

