

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045706.D
 Acq On : 10 Apr 2025 18:05
 Operator : JC/MD
 Sample : PB167534ZHE#12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#12

Quant Time: Apr 11 02:01:27 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)

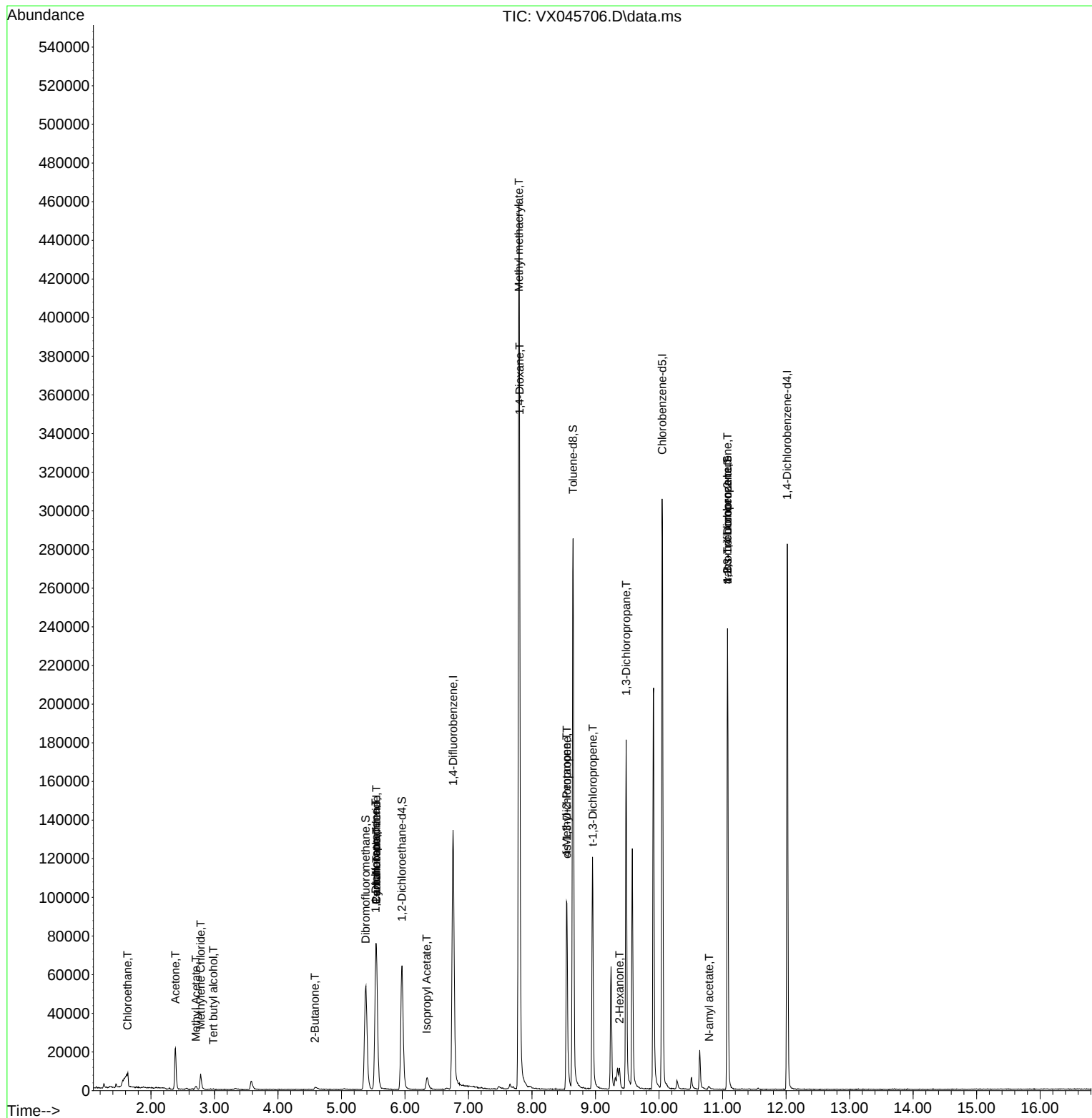
Internal Standards						
1) Pentafluorobenzene	5.550	168	64585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	123469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52693	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64779	54.847	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.700%	
35) Dibromofluoromethane	5.379	113	46821	50.993	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.980%	
50) Toluene-d8	8.647	98	165216	51.553	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.100%	
62) 4-Bromofluorobenzene	11.079	95	63244	54.177	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.360%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.630	64	135	0.280	ug/l #	42
11) Tert butyl alcohol	2.983	59	249	1.569	ug/l #	72
16) Acetone	2.386	43	23783	49.038	ug/l	96
18) Methyl Acetate	2.709	43	2216	1.985	ug/l	94
20) Methylene Chloride	2.782	84	3341	3.680	ug/l	91
25) 2-Butanone	4.580	43	2914	4.105	ug/l	93
31) Cyclohexane	5.550	56	1883	1.300	ug/l #	45
36) 1,1-Dichloropropene	5.538	75	6572	5.301	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7910	5.904	ug/l #	17
43) Isopropyl Acetate	6.342	43	9031	3.814	ug/l	98
48) Methyl methacrylate	7.793	41	46244	37.825	ug/l #	50
49) 1,4-Dioxane	7.805	88	46	2.080	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	39967	25.461	ug/l #	48
53) t-1,3-Dichloropropene	8.958	75	227	2.445	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	15506	11.393	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	1474	0.927	ug/l #	42
59) 2-Hexanone	9.378	43	10834	9.320	ug/l #	28
74) N-amyl acetate	10.787	43	1206	0.597	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36566	28.449	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36566	96.553	ug/l #	1

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

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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: VX045706.D

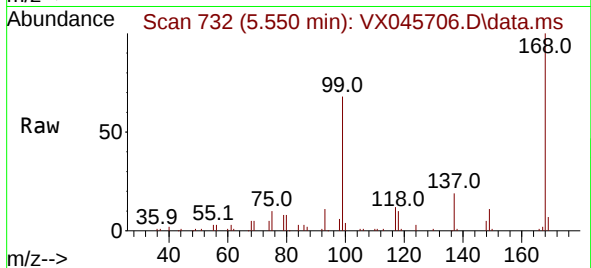
Acq: 10 Apr 2025 18:05

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#12

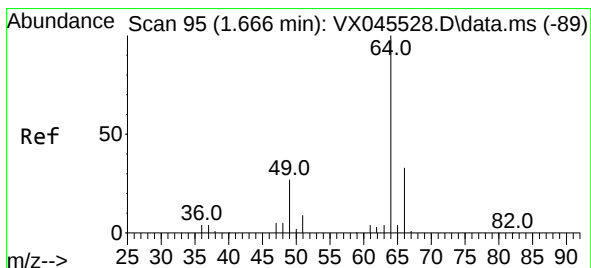
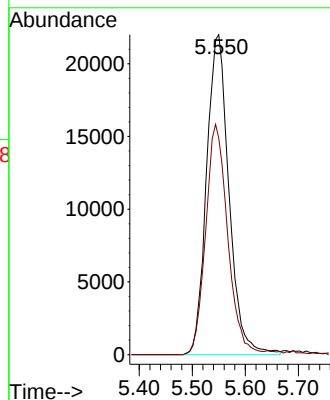
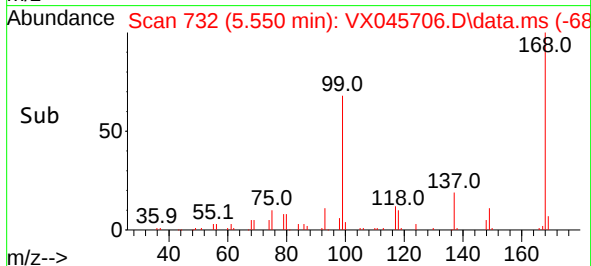


Tgt Ion:168 Resp: 64585

Ion Ratio Lower Upper

168 100

99 67.7 52.3 78.5



#6

Chloroethane

Concen: 0.280 ug/l

RT: 1.630 min Scan# 89

Delta R.T. -0.037 min

Lab File: VX045706.D

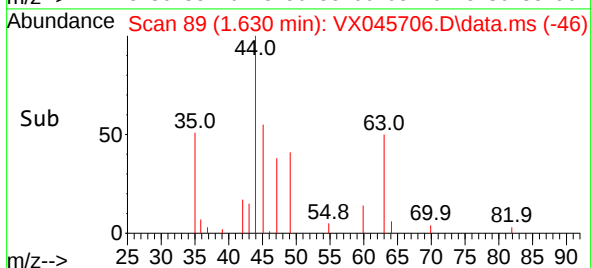
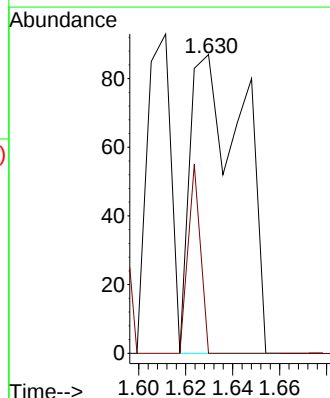
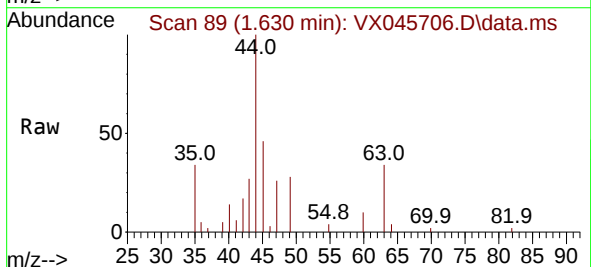
Acq: 10 Apr 2025 18:05

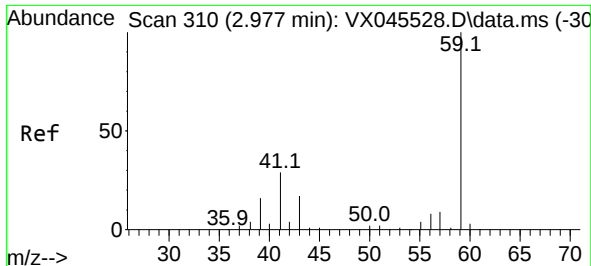
Tgt Ion: 64 Resp: 135

Ion Ratio Lower Upper

64 100

66 0.0 26.3 39.5#

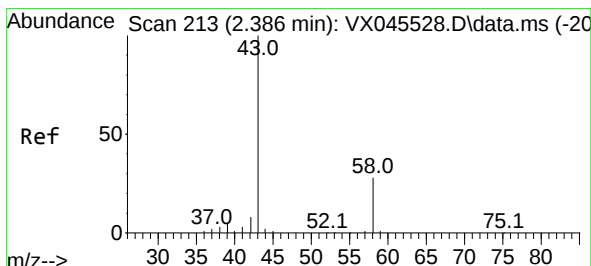
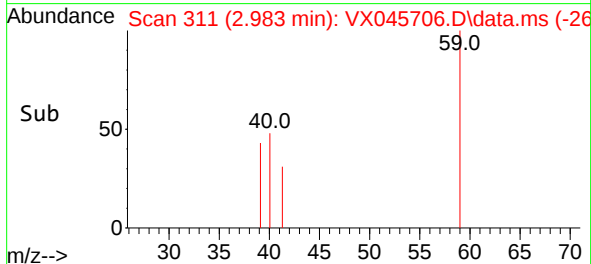
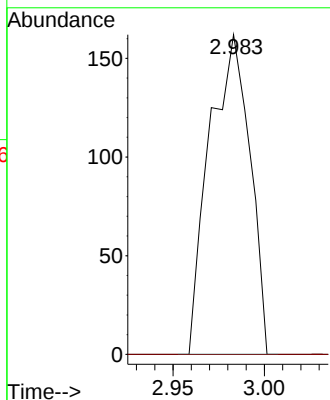
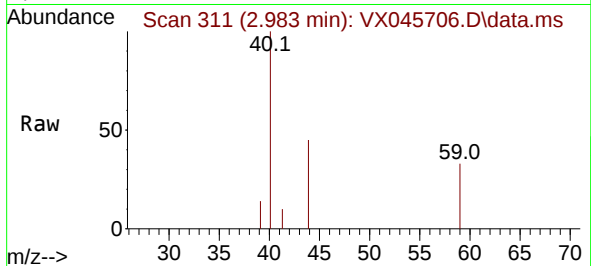




#11
Tert butyl alcohol
Concen: 1.569 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

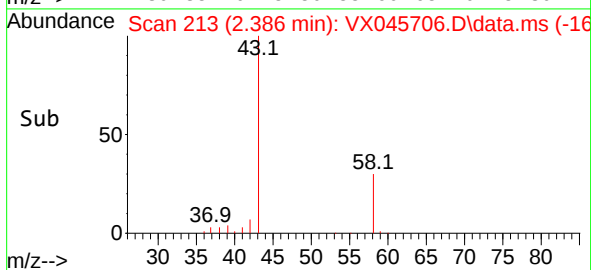
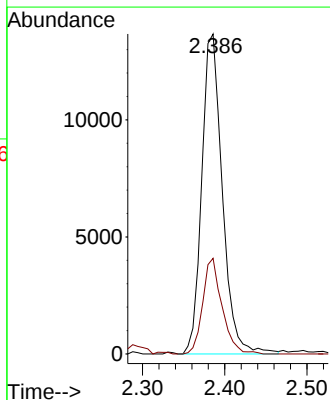
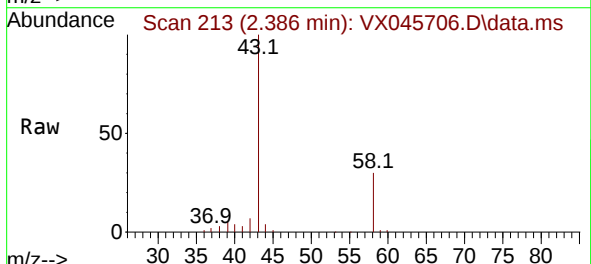
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

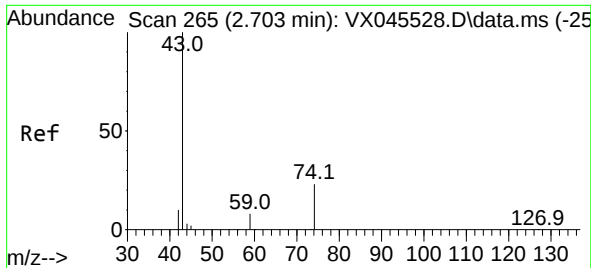
Tgt Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 49.038 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 43 Resp: 23783
Ion Ratio Lower Upper
43 100
58 29.9 22.3 33.5

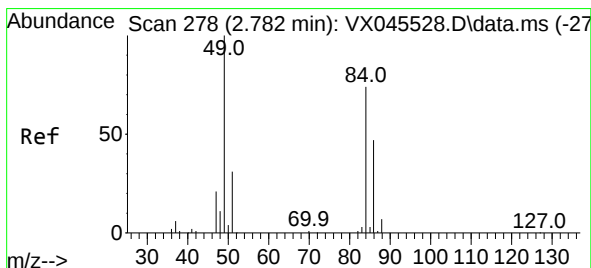
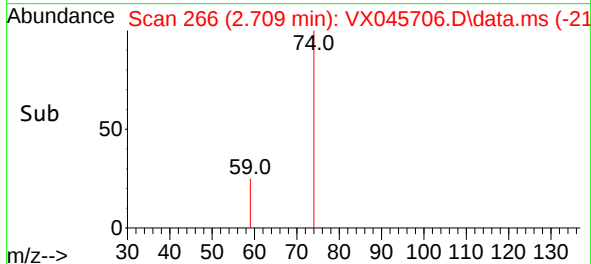
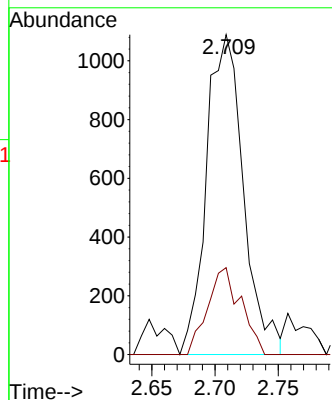
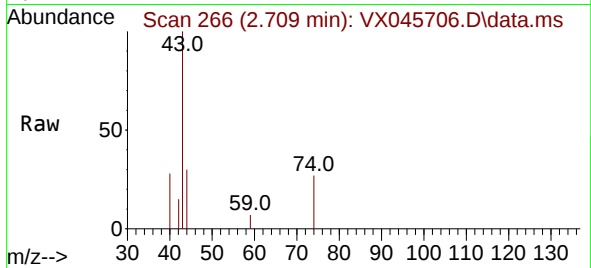




#18
Methyl Acetate
Concen: 1.985 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

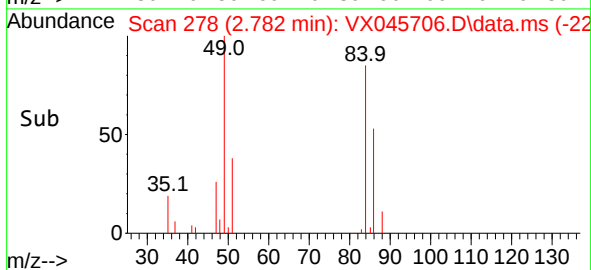
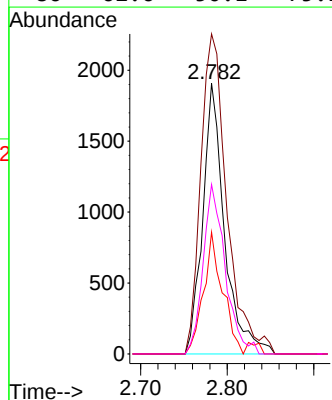
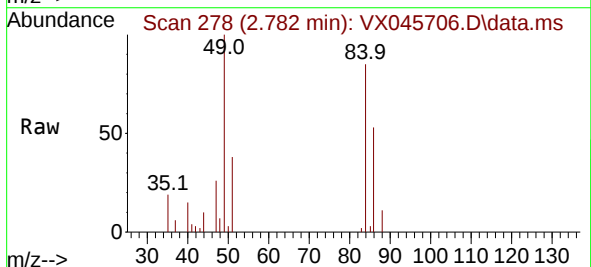
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

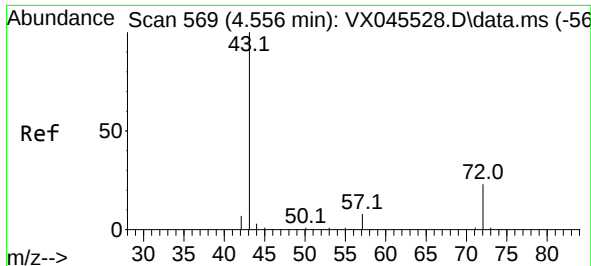
Tgt Ion: 43 Resp: 2216
Ion Ratio Lower Upper
43 100
74 24.5 17.5 26.3



#20
Methylene Chloride
Concen: 3.680 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 84 Resp: 3341
Ion Ratio Lower Upper
84 100
49 118.3 107.5 161.3
51 45.0 33.0 49.6
86 62.6 50.1 75.1

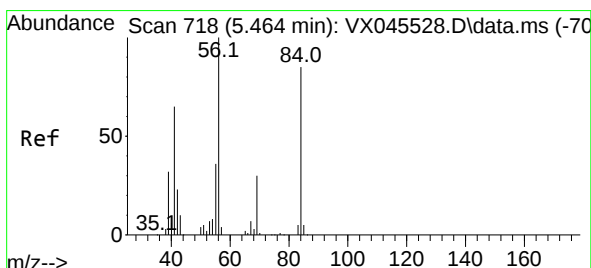
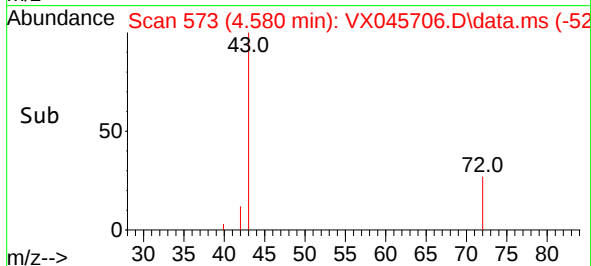
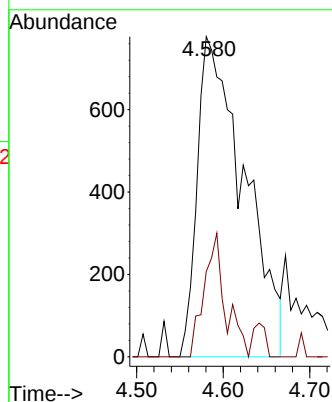
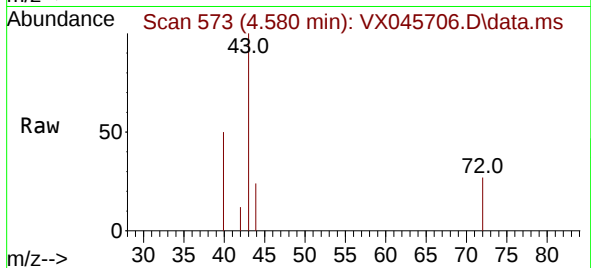




#25
2-Butanone
Concen: 4.105 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

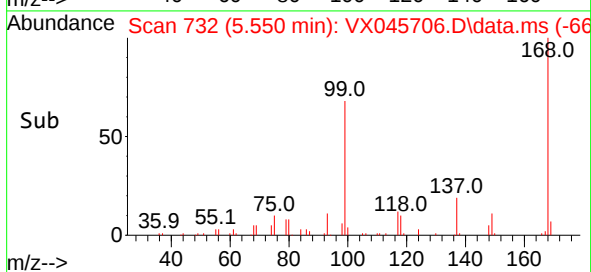
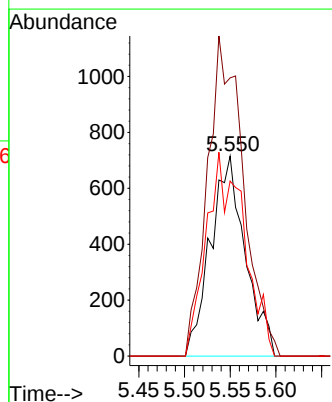
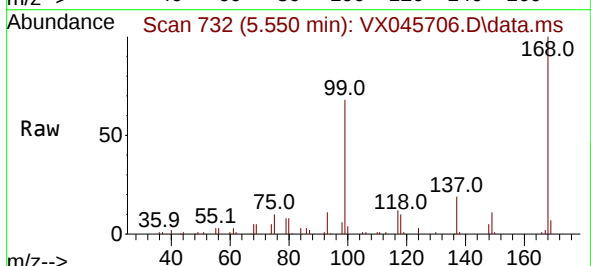
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

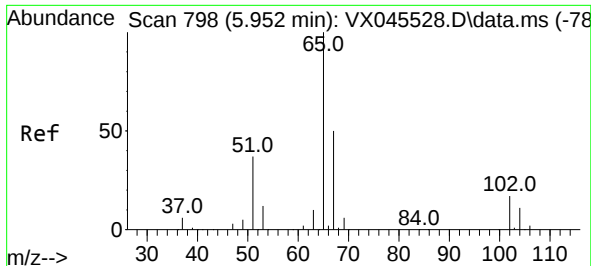
Tgt Ion: 43 Resp: 2914
Ion Ratio Lower Upper
43 100
72 26.6 18.6 28.0



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 56 Resp: 1883
Ion Ratio Lower Upper
56 100
69 139.2 23.6 35.4#
84 87.6 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.847 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045706.D

Acq: 10 Apr 2025 18:05

Instrument :

MSVOA_X

ClientSampleId :

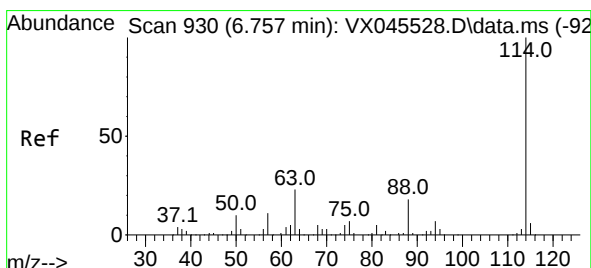
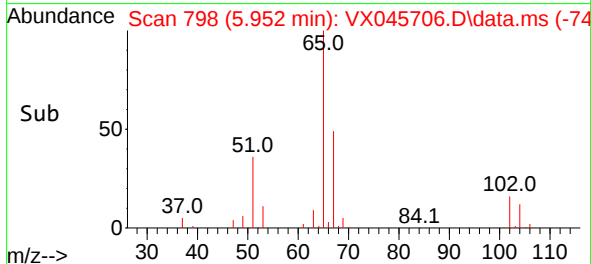
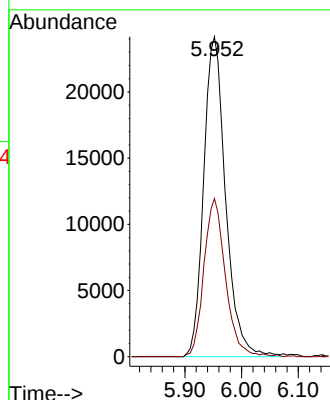
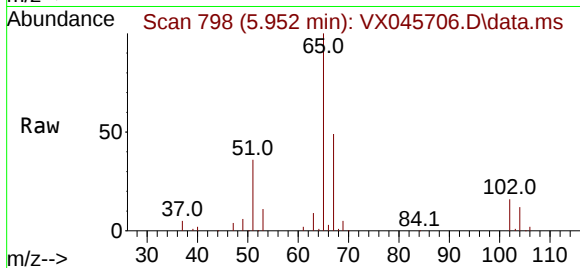
PB167534ZHE#12

Tgt Ion: 65 Resp: 64779

Ion Ratio Lower Upper

65 100

67 48.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045706.D

Acq: 10 Apr 2025 18:05

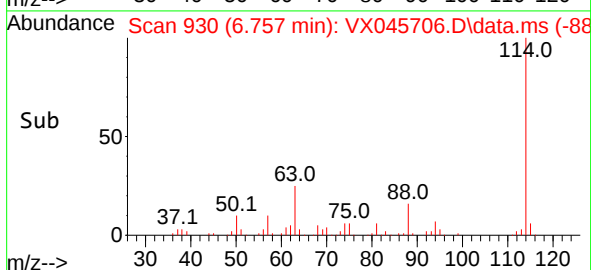
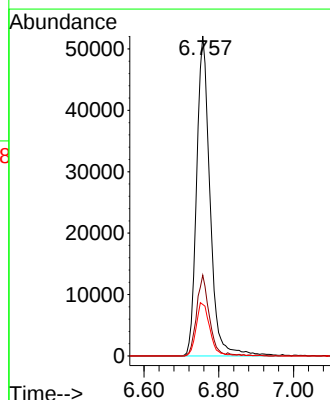
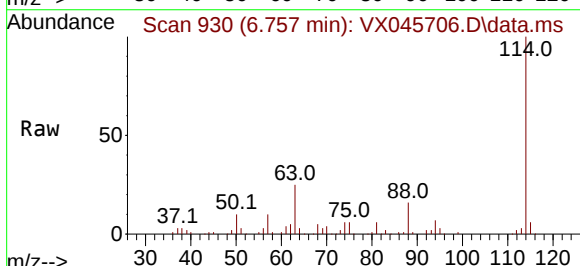
Tgt Ion: 114 Resp: 129412

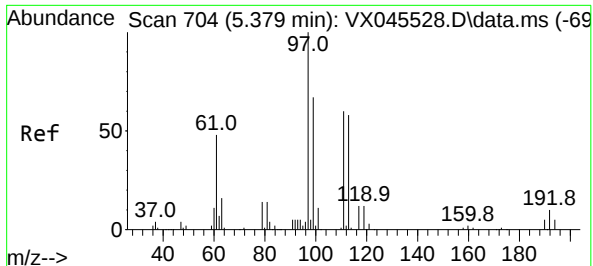
Ion Ratio Lower Upper

114 100

63 25.3 0.0 46.8

88 16.1 0.0 35.4

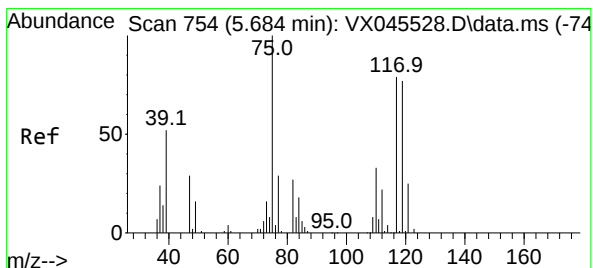
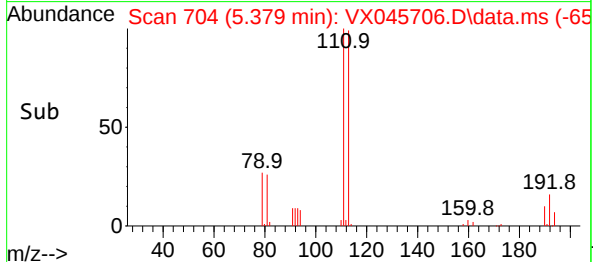
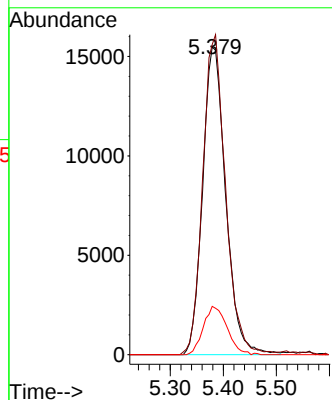
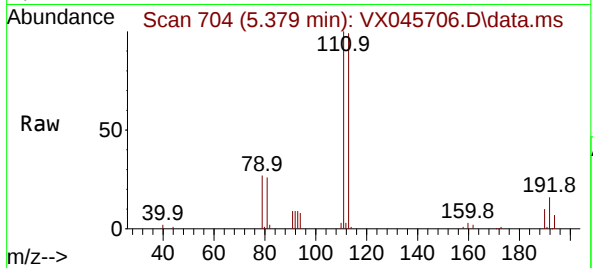




#35
Dibromofluoromethane
Concen: 50.993 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

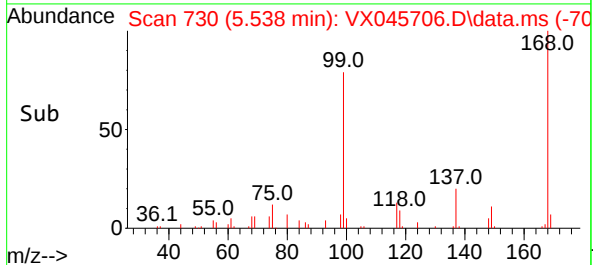
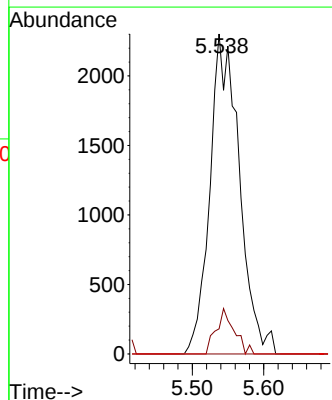
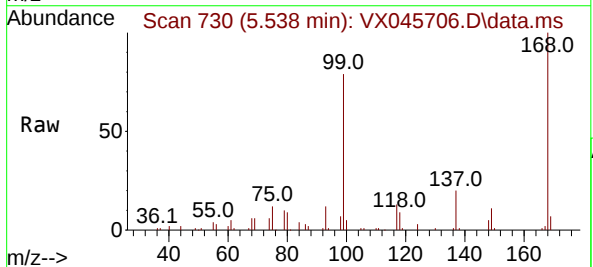
Instrument :
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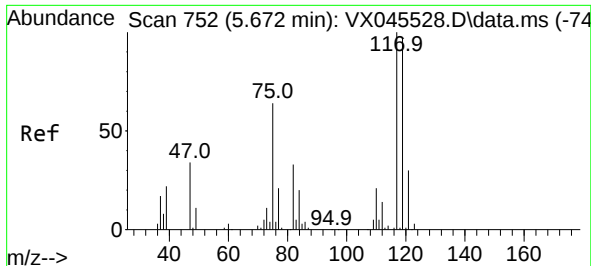
Tgt Ion:113 Resp: 46821
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 16.2 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.301 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

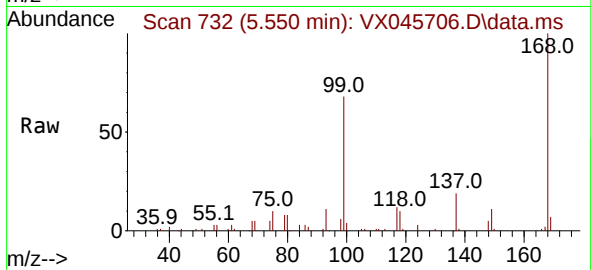
Tgt Ion: 75 Resp: 6572
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.6#
77 0.0 25.0 37.4#



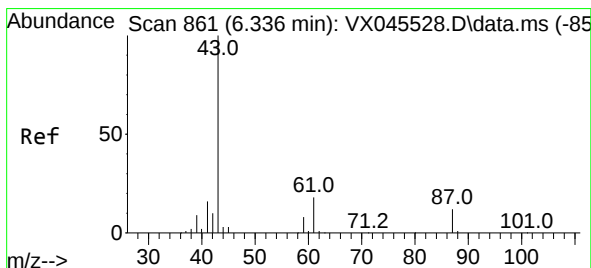
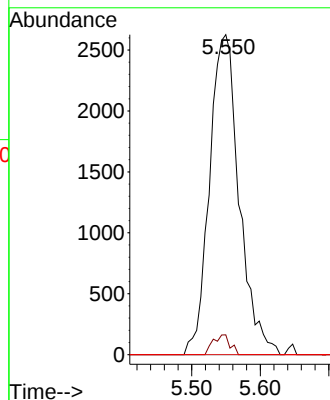
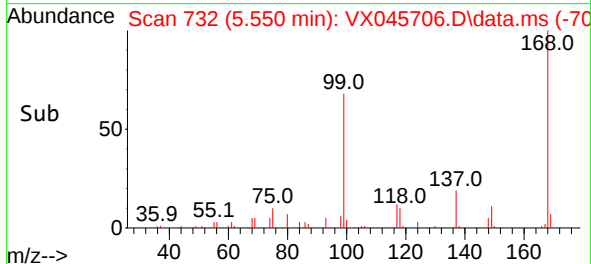


#38
Carbon Tetrachloride
Concen: 5.904 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

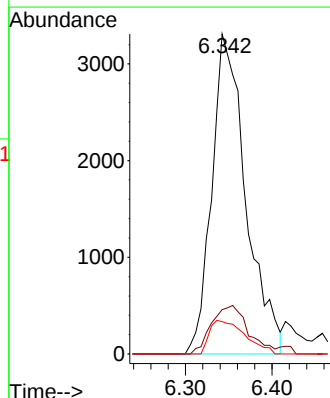
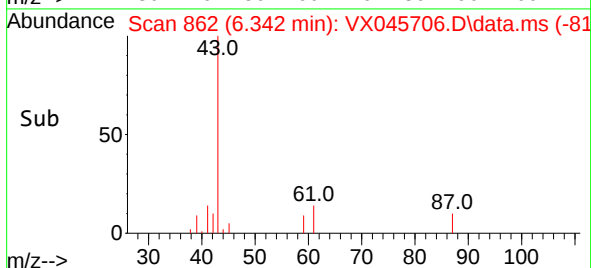
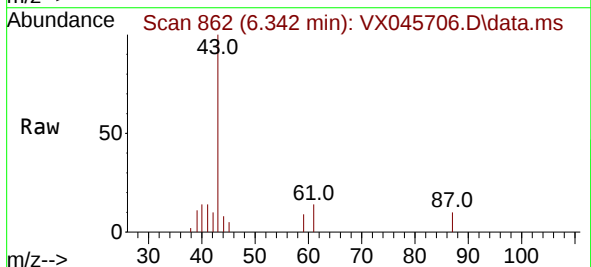


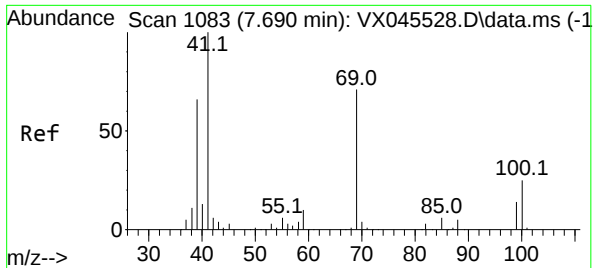
Tgt Ion:117 Resp: 7910
Ion Ratio Lower Upper
117 100
119 6.2 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.814 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 43 Resp: 9031
Ion Ratio Lower Upper
43 100
61 16.4 14.1 21.1
87 11.0 9.2 13.8

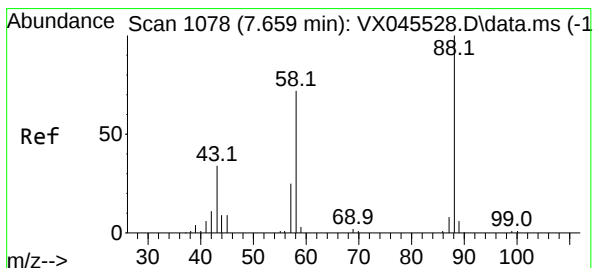
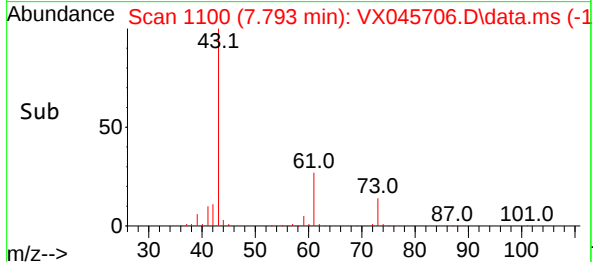
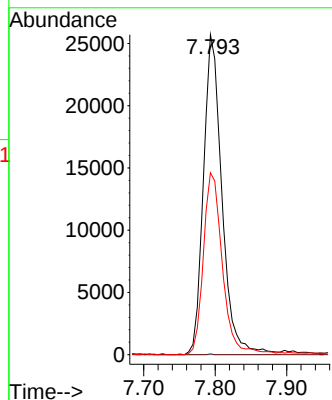
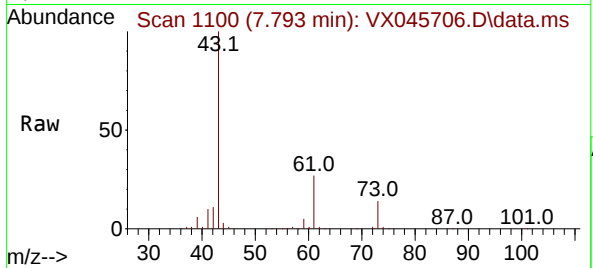




#48
Methyl methacrylate
Concen: 37.825 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

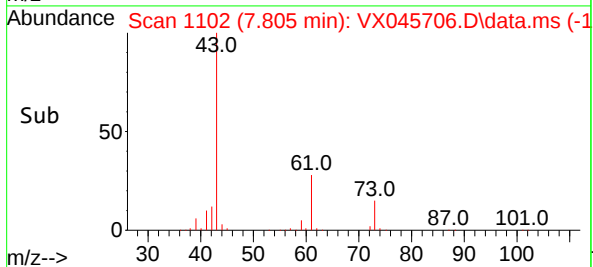
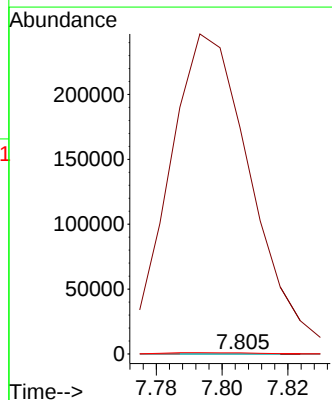
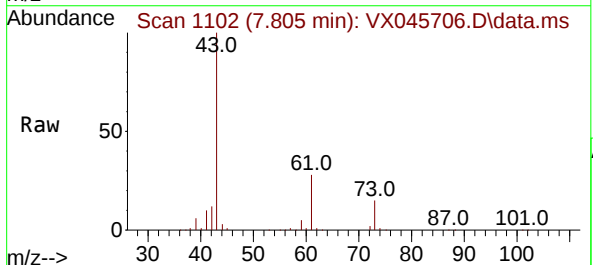
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

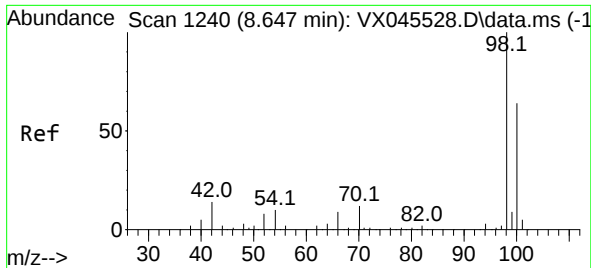
Tgt Ion: 41 Resp: 46244
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.3 53.6 80.4



#49
1,4-Dioxane
Concen: 2.080 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 975408.7 32.2 48.4#
58 4313.0 58.6 88.0#

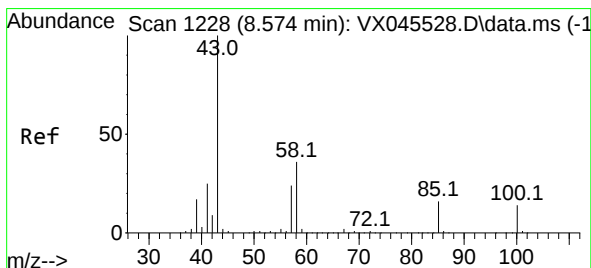
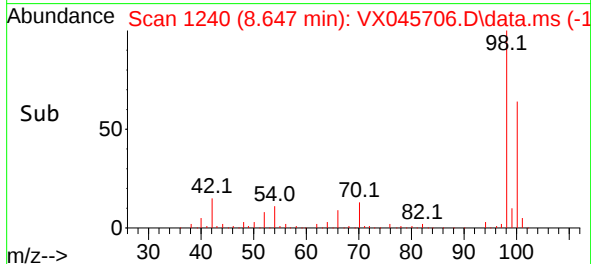
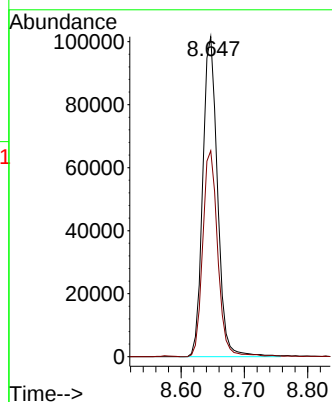
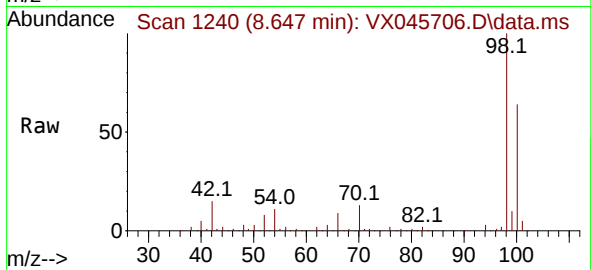




#50
Toluene-d8
Concen: 51.553 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

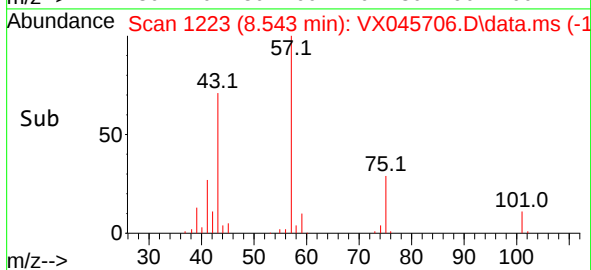
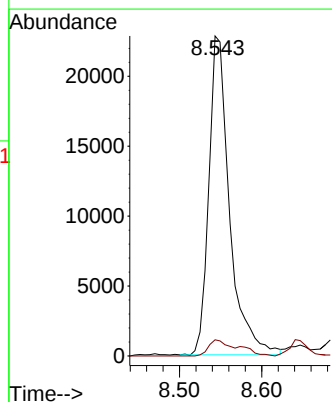
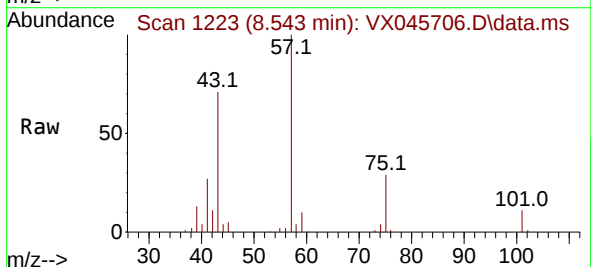
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

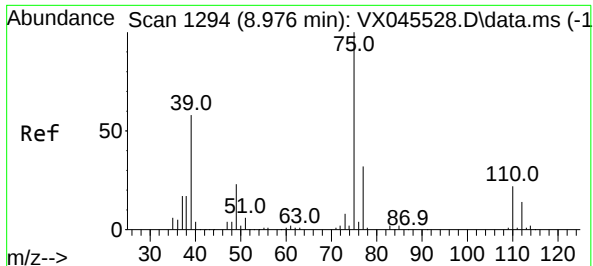
Tgt Ion: 98 Resp: 165216
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 25.461 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 43 Resp: 39967
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#

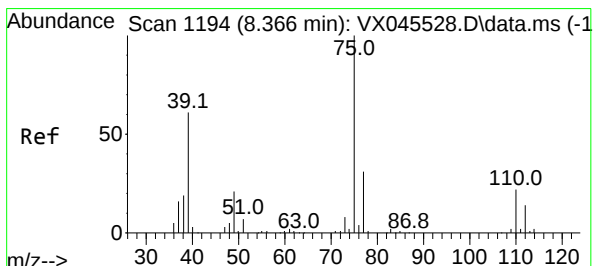
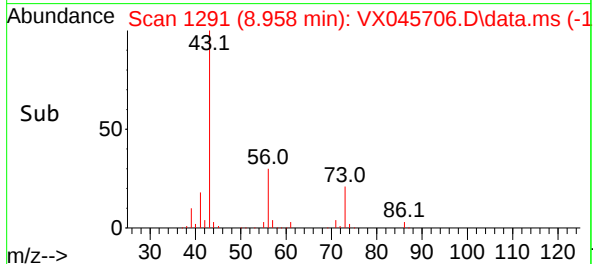
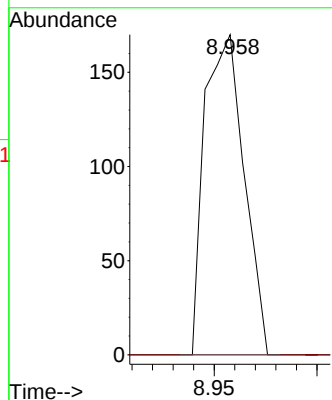
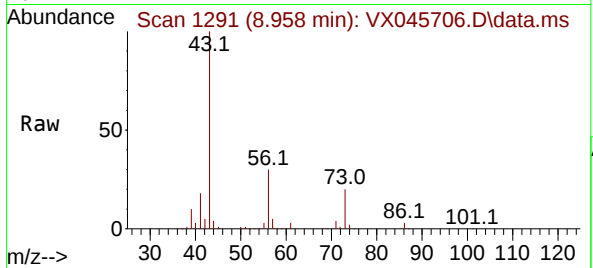




#53
t-1,3-Dichloropropene
Concen: 2.445 ug/l
RT: 8.958 min Scan# 1124
Delta R.T. -0.018 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

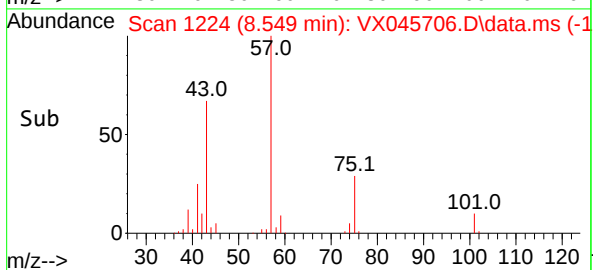
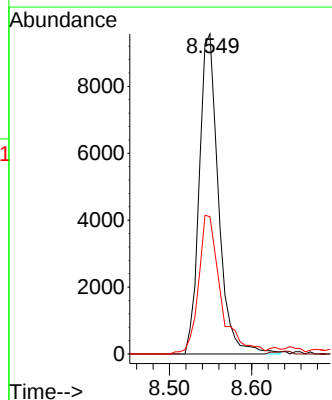
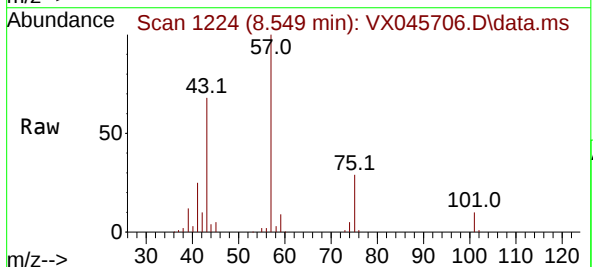
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

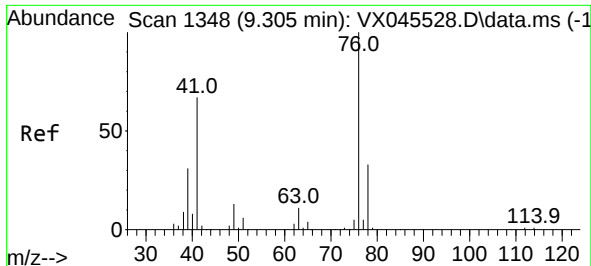
Tgt Ion: 75 Resp: 227
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 11.393 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 75 Resp: 15506
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 42.2 48.4 72.6#

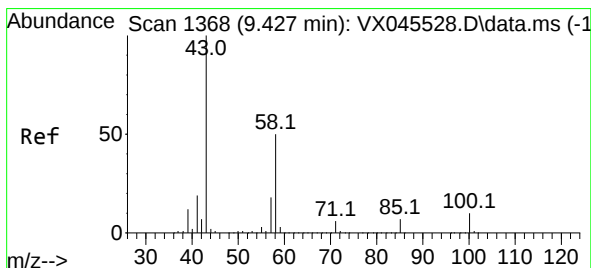
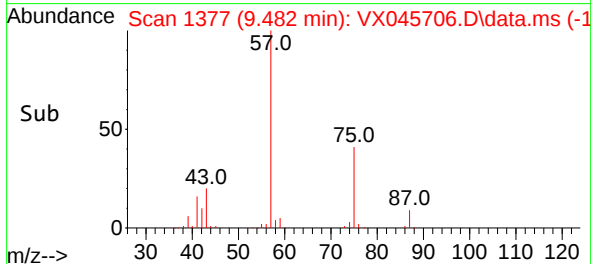
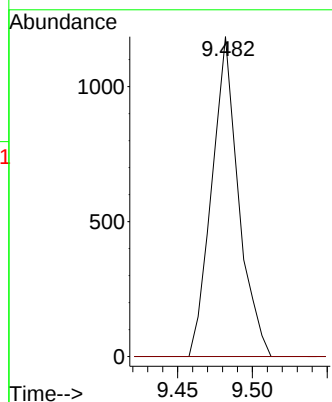
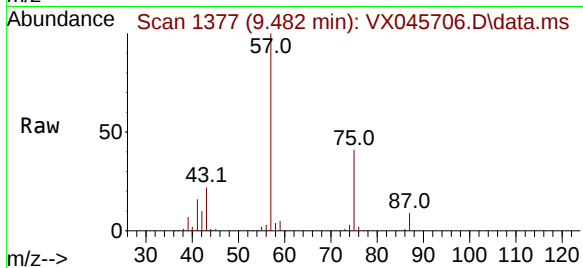




#57
1,3-Dichloropropane
Concen: 0.927 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.177 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

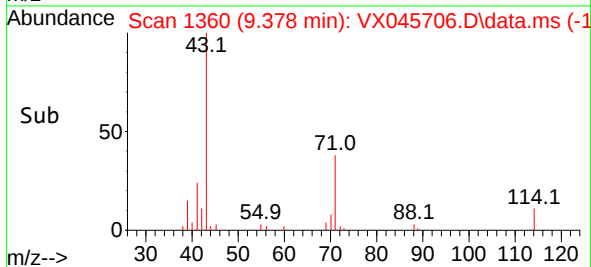
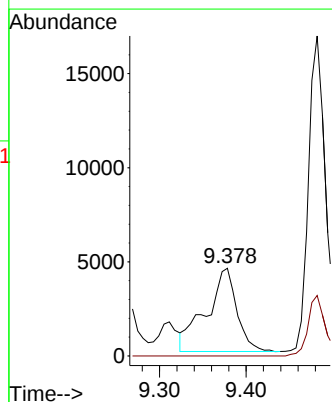
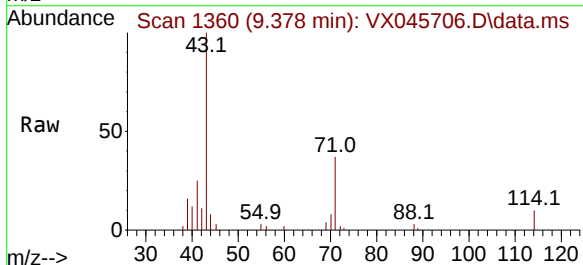
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

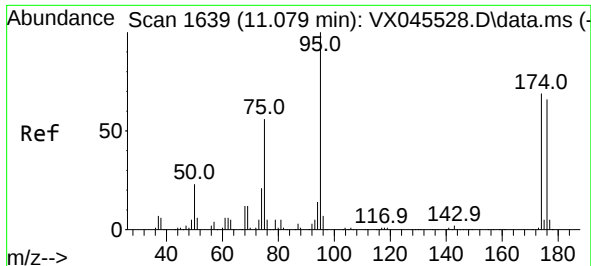
Tgt Ion: 76 Resp: 1474
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 9.320 ug/l
RT: 9.378 min Scan# 1360
Delta R.T. -0.049 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 43 Resp: 10834
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

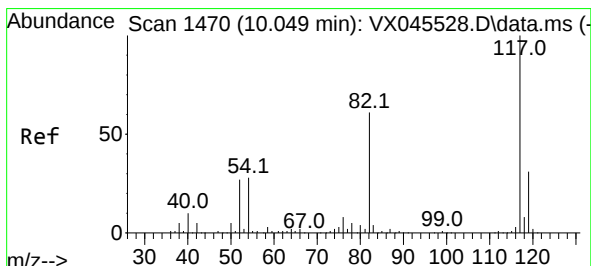
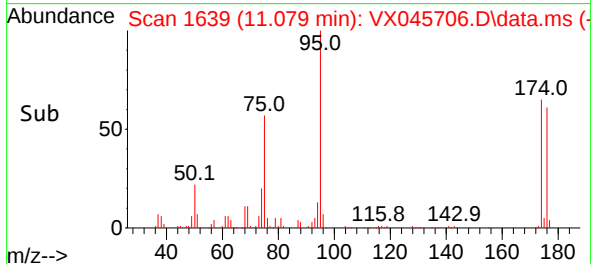
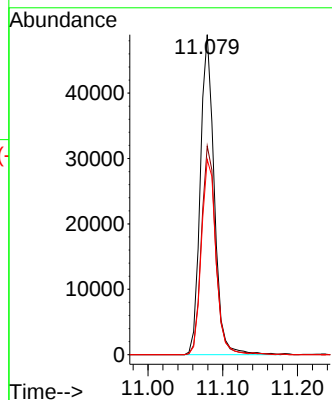
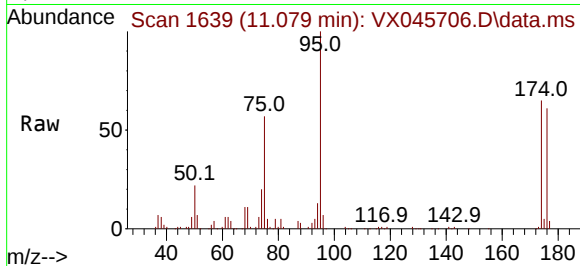




#62
4-Bromofluorobenzene
Concen: 54.177 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

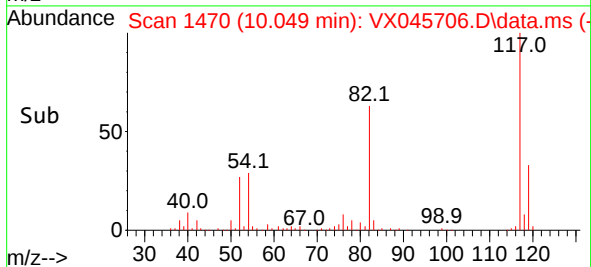
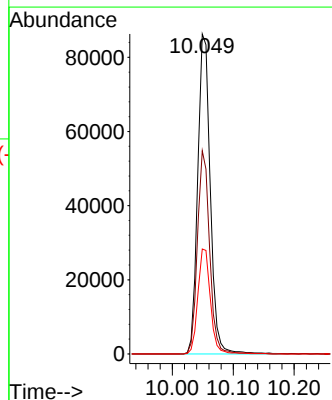
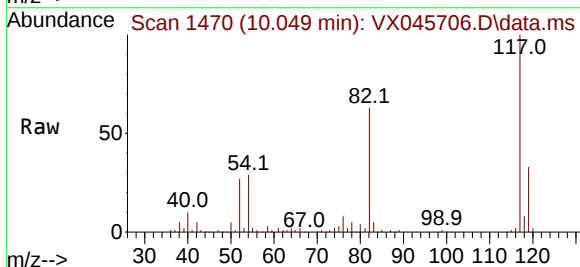
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

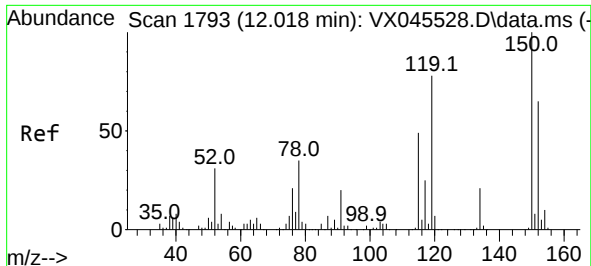
Tgt Ion: 95 Resp: 63244
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.8
176 63.7 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 117 Resp: 123469
Ion Ratio Lower Upper
117 100
82 63.5 49.2 73.8
119 32.8 25.1 37.7

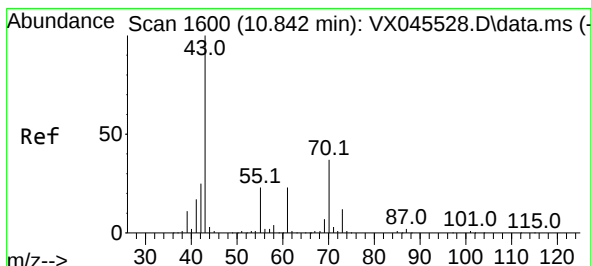
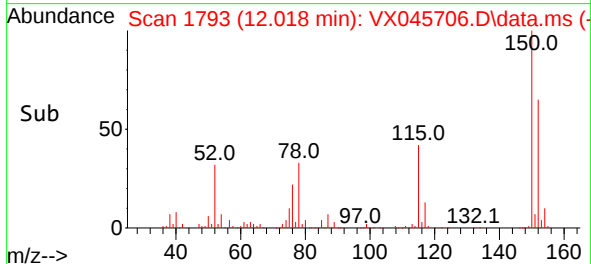
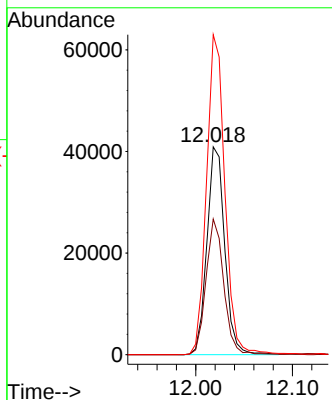
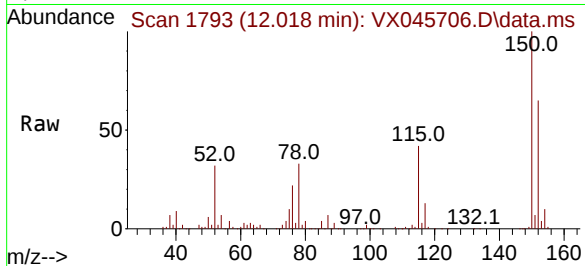




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX045706.D
 Acq: 10 Apr 2025 18:05

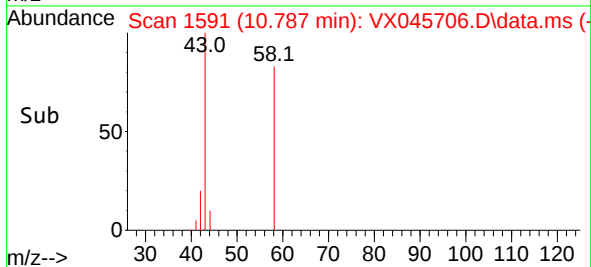
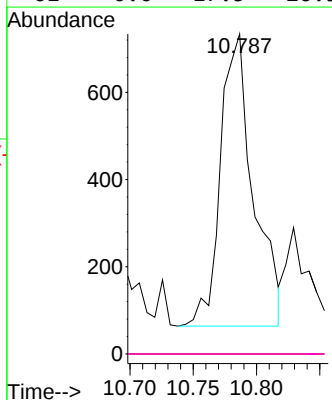
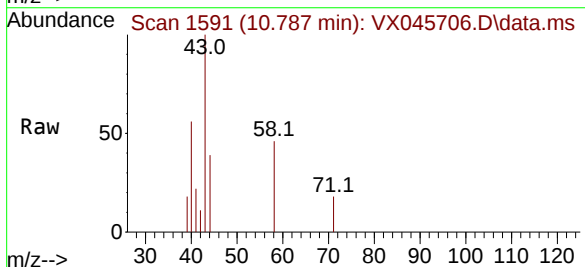
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#12

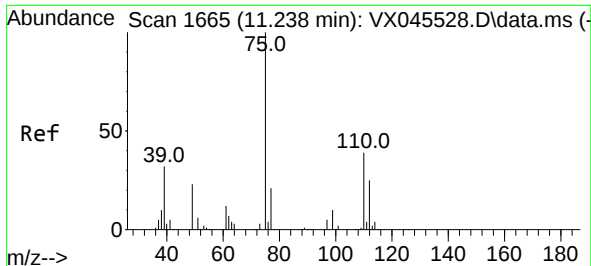
Tgt Ion:152 Resp: 52693
 Ion Ratio Lower Upper
 152 100
 115 64.8 46.9 140.7
 150 157.9 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.597 ug/l
 RT: 10.787 min Scan# 1591
 Delta R.T. -0.055 min
 Lab File: VX045706.D
 Acq: 10 Apr 2025 18:05

Tgt Ion: 43 Resp: 1206
 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#

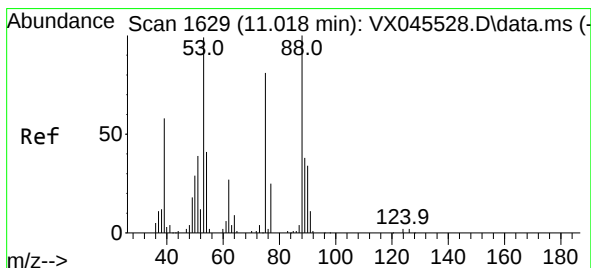
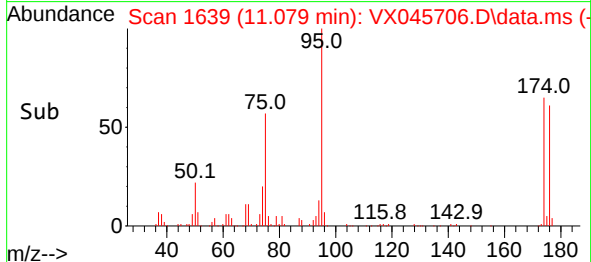
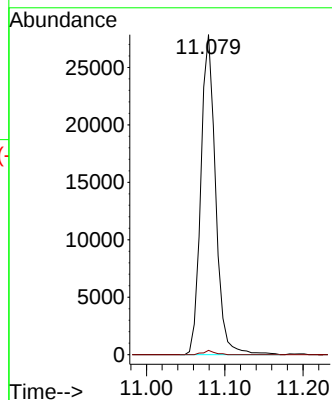
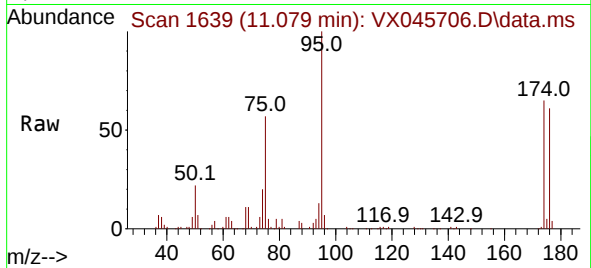




#76
1,2,3-Trichloropropane
Concen: 28.449 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#12

Tgt Ion: 75 Resp: 36566
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.553 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045706.D
Acq: 10 Apr 2025 18:05

Tgt Ion: 75 Resp: 36566
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 37.2 55.8#

