

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045700.D
 Acq On : 10 Apr 2025 15:46
 Operator : JC/MD
 Sample : PB167534ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#06

Quant Time: Apr 11 01:58:37 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	64406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	122158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64930	55.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.260%	
35) Dibromofluoromethane	5.385	113	46356	51.243	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.480%	
50) Toluene-d8	8.647	98	161540	51.161	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	11.079	95	62450	54.299	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.600%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.715	64	290	0.604	ug/l #	42
11) Tert butyl alcohol	2.977	59	1897	11.984	ug/l #	77
13) Acrolein	2.240	56	108	0.495	ug/l	93
16) Acetone	2.380	43	104598	216.270	ug/l	100
18) Methyl Acetate	2.703	43	2248	2.019	ug/l	95
20) Methylene Chloride	2.782	84	10841	11.973	ug/l	96
23) Vinyl Acetate	3.569	43	1267	0.507	ug/l #	74
25) 2-Butanone	4.568	43	11215	15.841	ug/l	96
29) Tetrahydrofuran	5.032	42	123	0.268	ug/l #	35
31) Cyclohexane	5.538	56	1722	1.192	ug/l #	39
36) 1,1-Dichloropropene	5.544	75	6299	5.157	ug/l #	50
37) Ethyl Acetate	4.568	43	11215	7.286	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7670	5.810	ug/l #	16
43) Isopropyl Acetate	6.349	43	7801	3.344	ug/l	97
48) Methyl methacrylate	7.793	41	44302	36.779	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	41213	26.648	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	180	2.414	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13858	10.335	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	1437	0.917	ug/l #	42
59) 2-Hexanone	9.379	43	6074	5.304	ug/l #	28
74) N-amyl acetate	10.775	43	2161	1.058	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	36470	28.057	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36470	95.221	ug/l #	1

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

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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

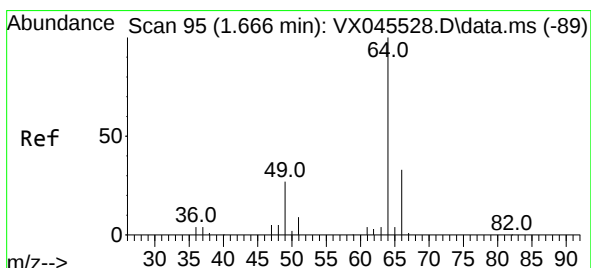
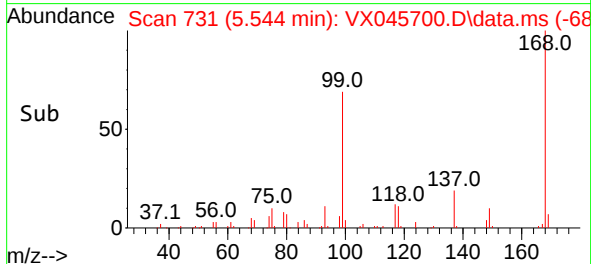
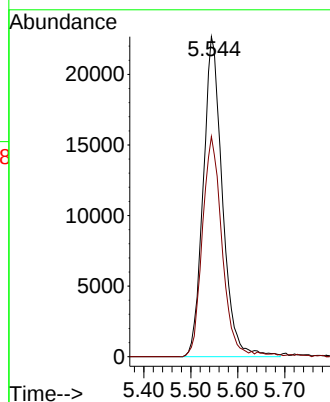
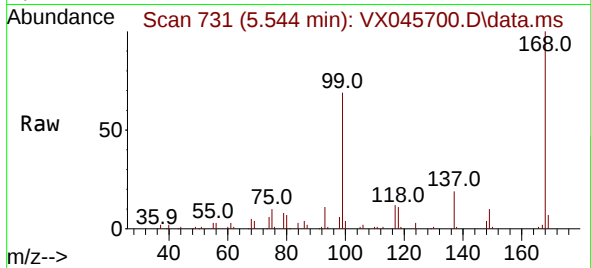




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

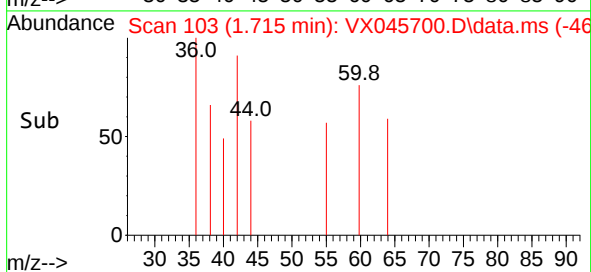
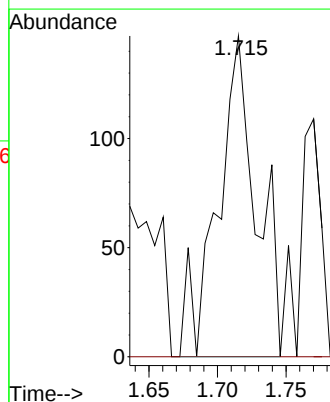
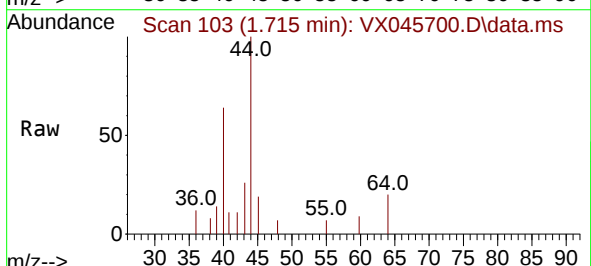
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

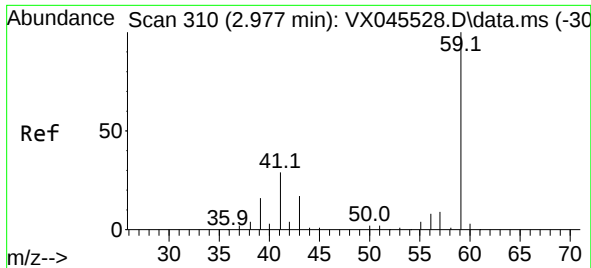
Tgt Ion:168 Resp: 64406
Ion Ratio Lower Upper
168 100
99 68.8 52.3 78.5



#6
Chloroethane
Concen: 0.604 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.049 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#





#11

Tert butyl alcohol

Concen: 11.984 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.000 min

Lab File: VX045700.D

Acq: 10 Apr 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

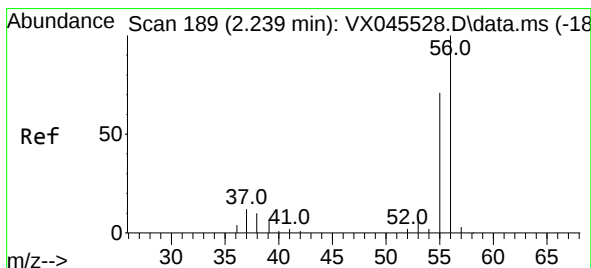
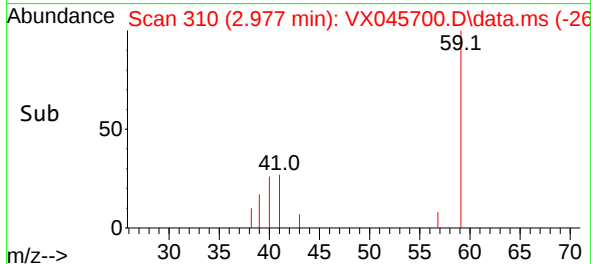
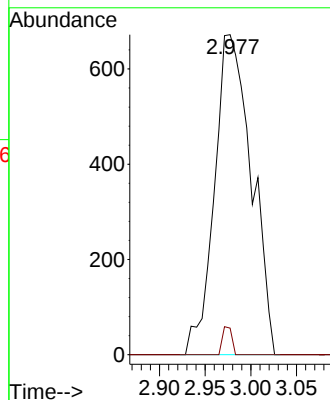
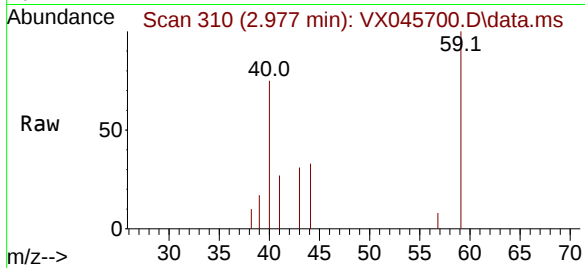
PB167534ZHE#06

Tgt Ion: 59 Resp: 1897

Ion Ratio Lower Upper

59 100

57 2.2 8.6 12.8#



#13

Acrolein

Concen: 0.495 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX045700.D

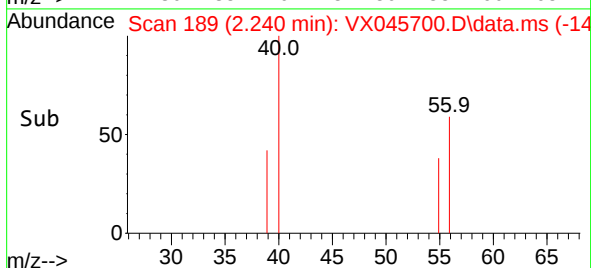
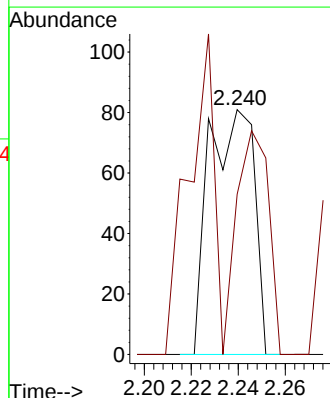
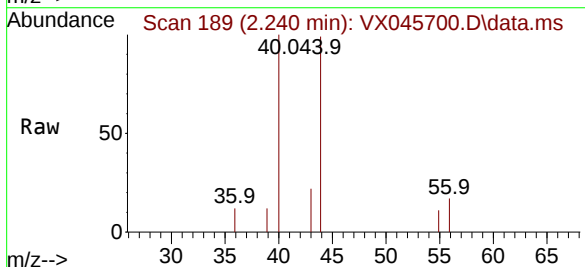
Acq: 10 Apr 2025 15:46

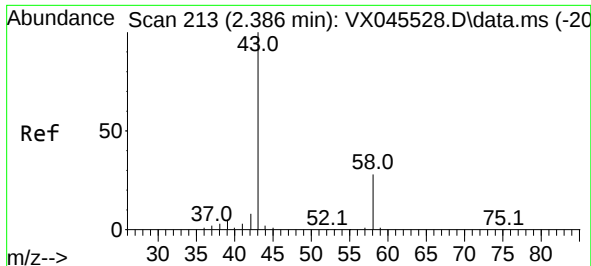
Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 64.8 56.2 84.2

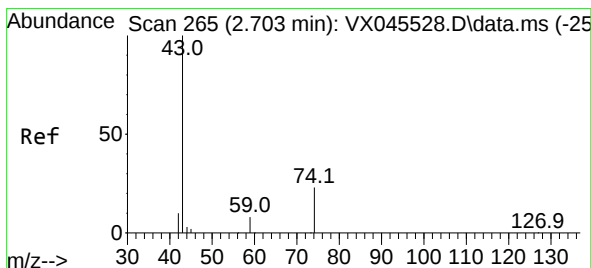
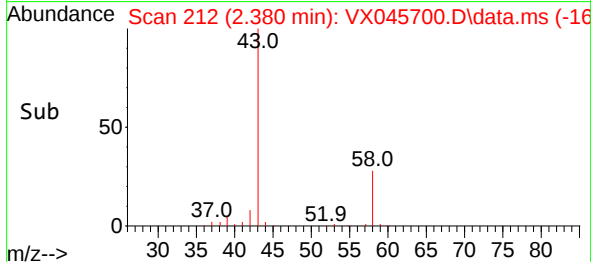
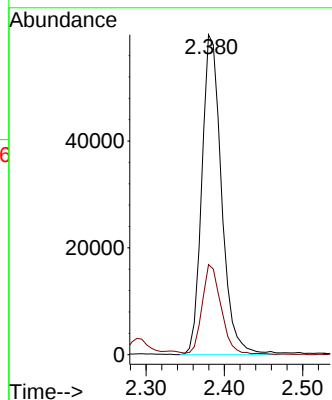
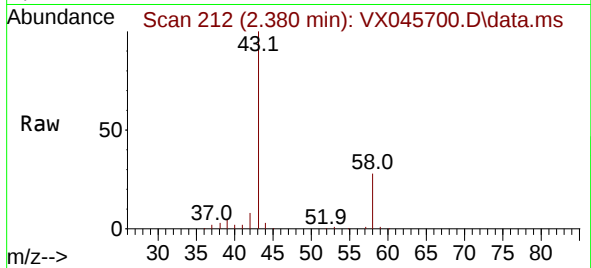




#16
Acetone
Concen: 216.270 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

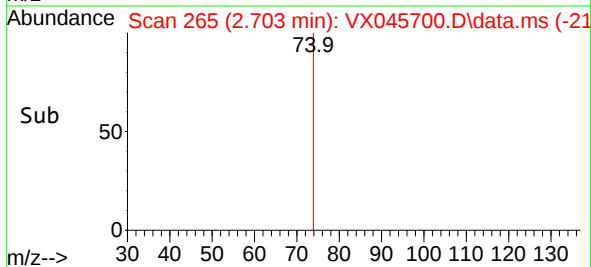
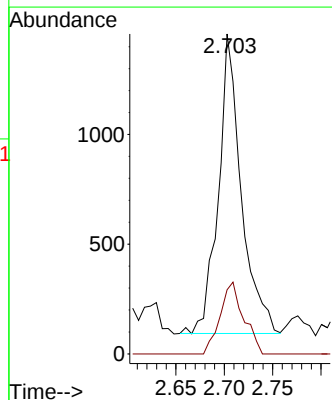
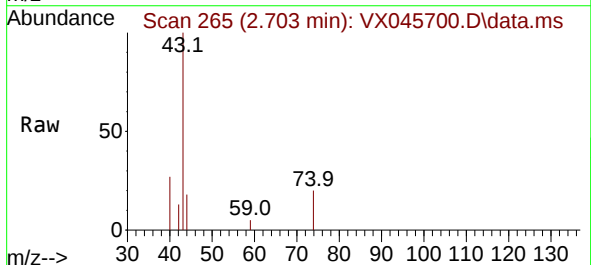
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

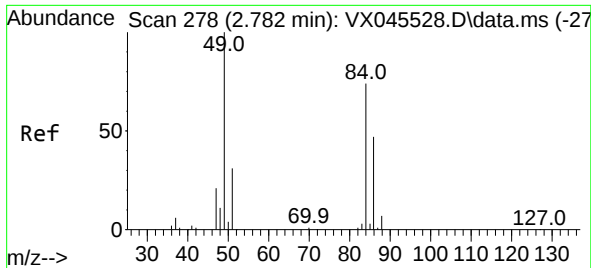
Tgt Ion: 43 Resp: 104598
Ion Ratio Lower Upper
43 100
58 27.9 22.3 33.5



#18
Methyl Acetate
Concen: 2.019 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 43 Resp: 2248
Ion Ratio Lower Upper
43 100
74 24.5 17.5 26.3

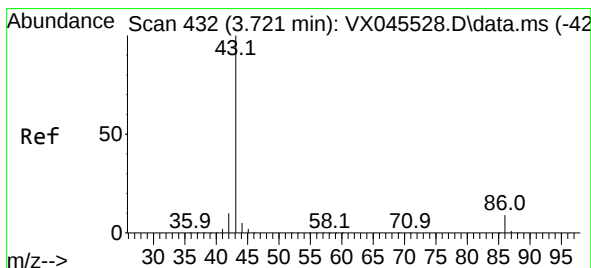
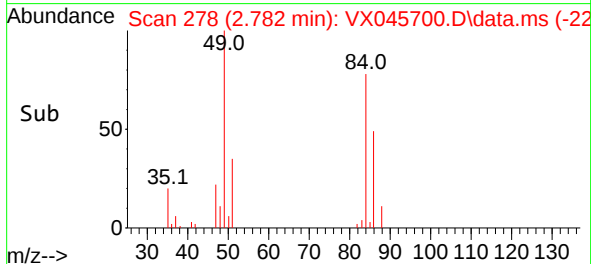
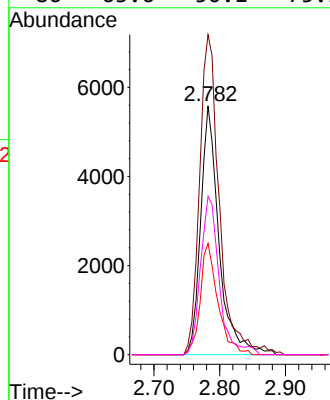
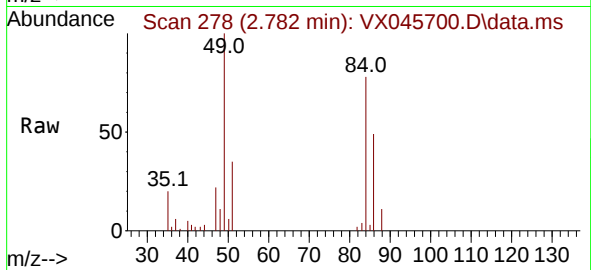




#20
Methylene Chloride
Concen: 11.973 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

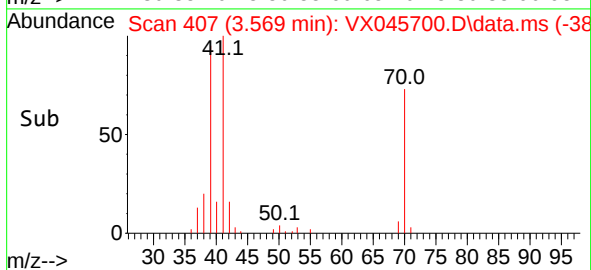
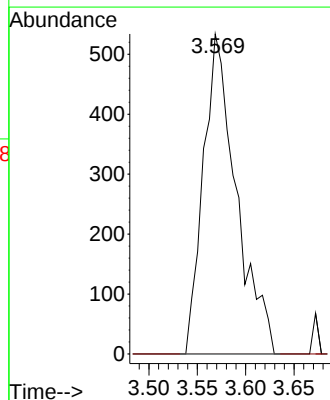
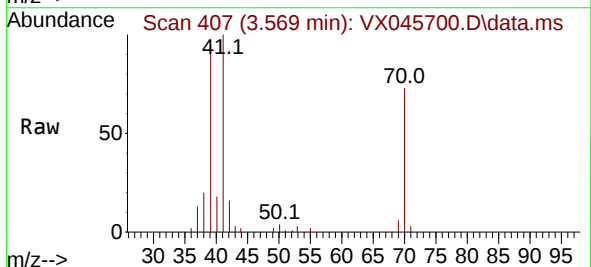
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

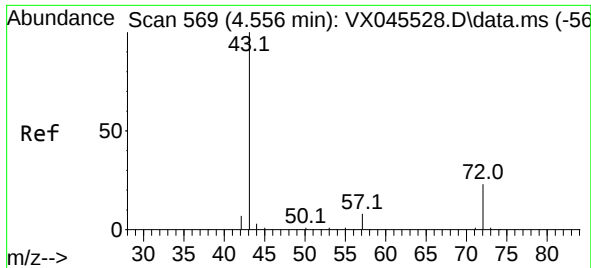
Tgt Ion:	84	Resp:	10841
Ion	Ratio	Lower	Upper
84	100		
49	128.6	107.5	161.3
51	44.7	33.0	49.6
86	63.6	50.1	75.1



#23
Vinyl Acetate
Concen: 0.507 ug/l
RT: 3.569 min Scan# 407
Delta R.T. -0.152 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion:	43	Resp:	1267
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#

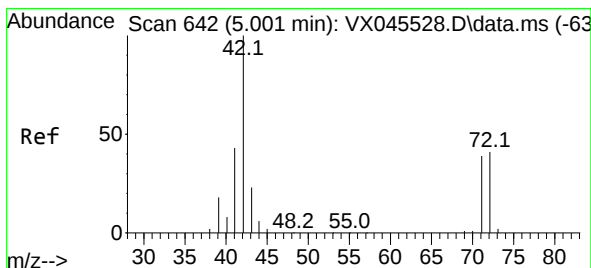
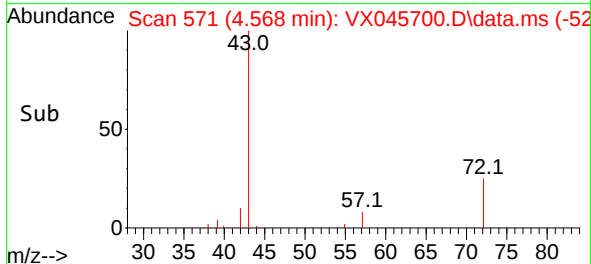
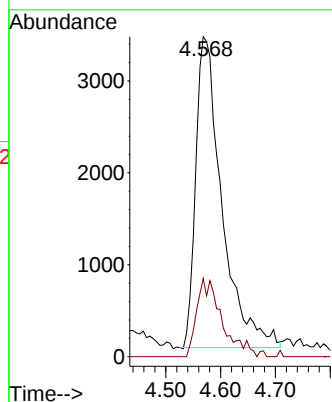
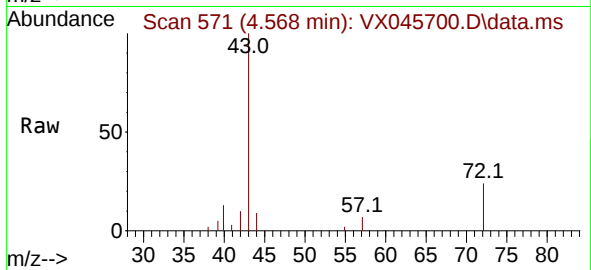




#25
2-Butanone
Concen: 15.841 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

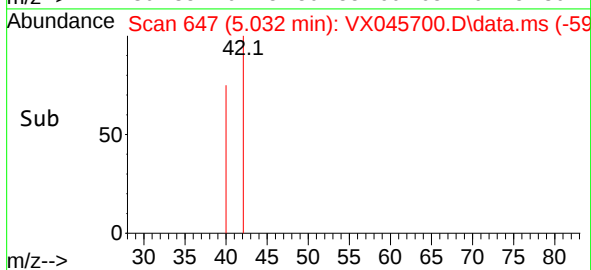
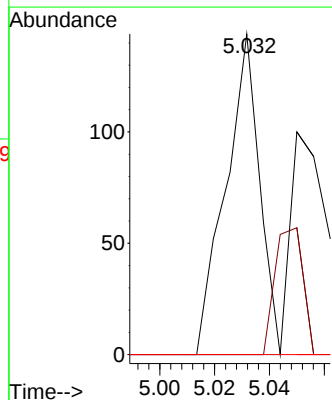
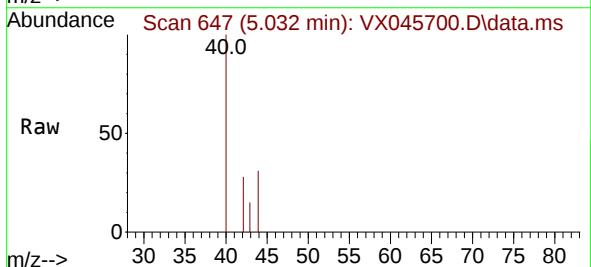
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

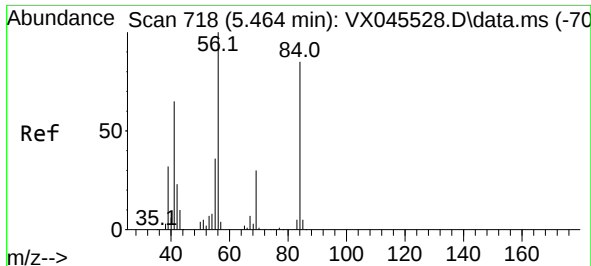
Tgt Ion: 43 Resp: 11215
Ion Ratio Lower Upper
43 100
72 25.2 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

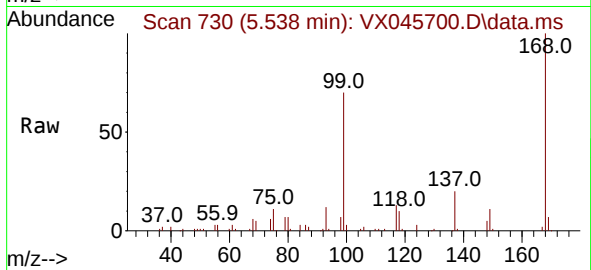
Tgt Ion: 42 Resp: 123
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



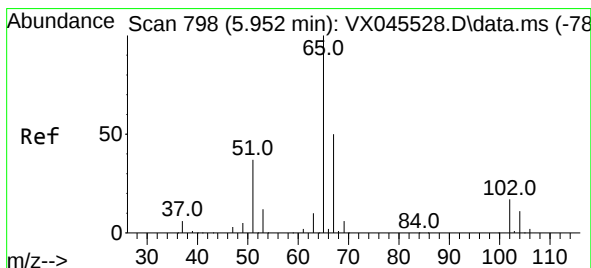
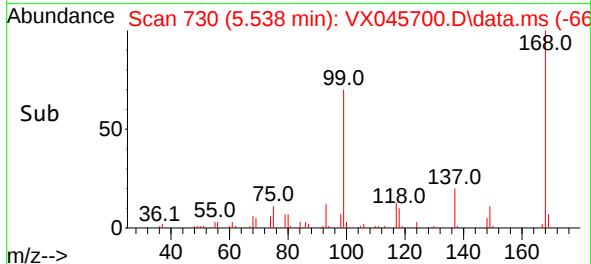
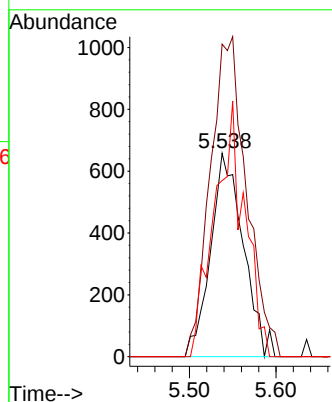


#31
Cyclohexane
Concen: 1.192 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

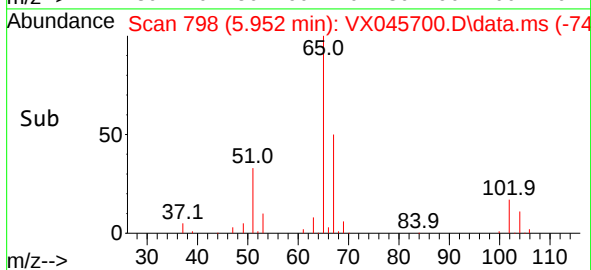
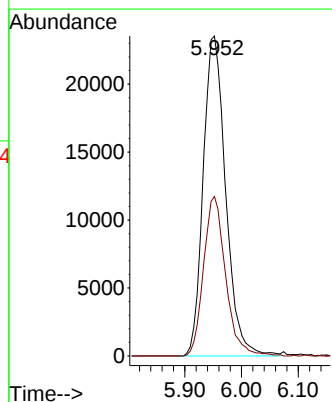
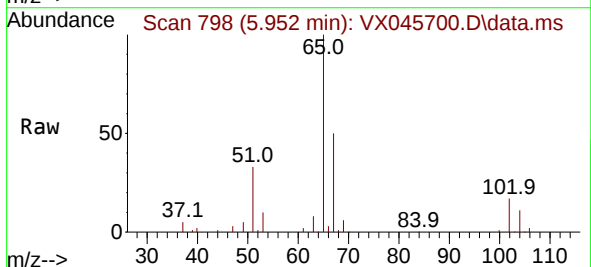


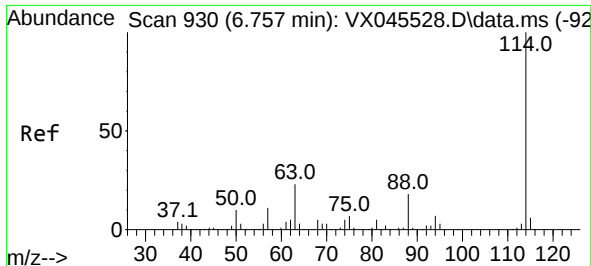
Tgt Ion: 56 Resp: 1722
Ion Ratio Lower Upper
56 100
69 153.6 23.6 35.4#
84 86.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.127 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 65 Resp: 64930
Ion Ratio Lower Upper
65 100
67 48.8 0.0 99.0

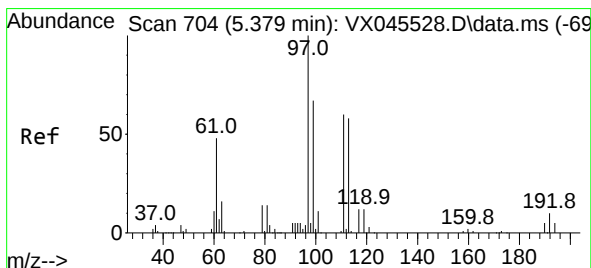
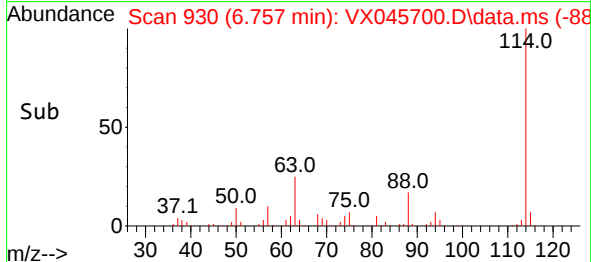
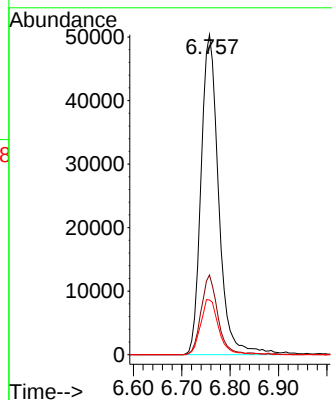
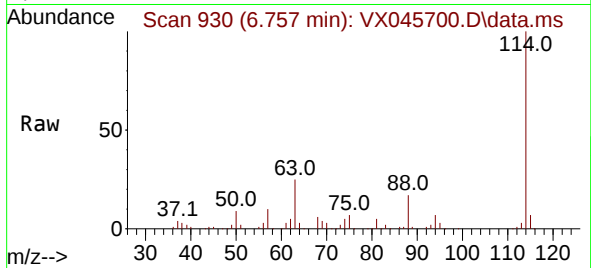




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

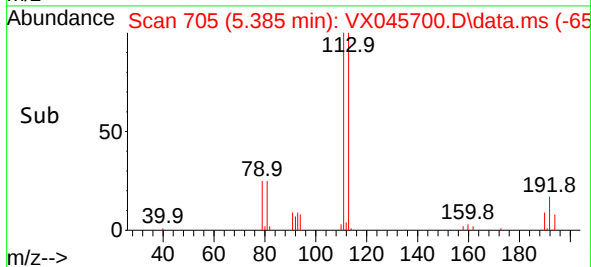
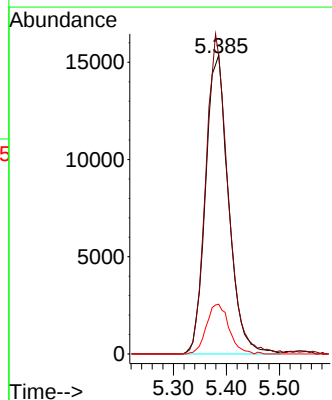
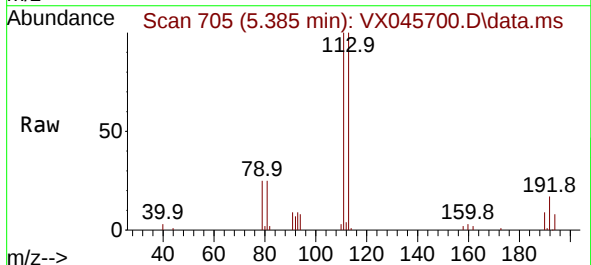
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

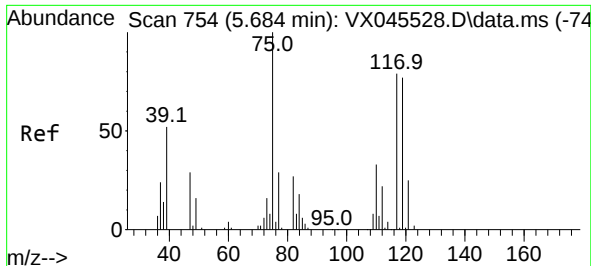
Tgt Ion:114 Resp: 127502
Ion Ratio Lower Upper
114 100
63 24.9 0.0 46.8
88 17.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.243 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion:113 Resp: 46356
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 16.2 13.8 20.6

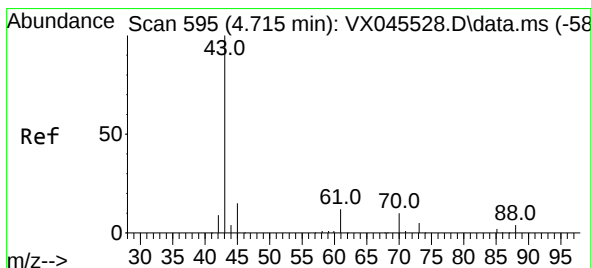
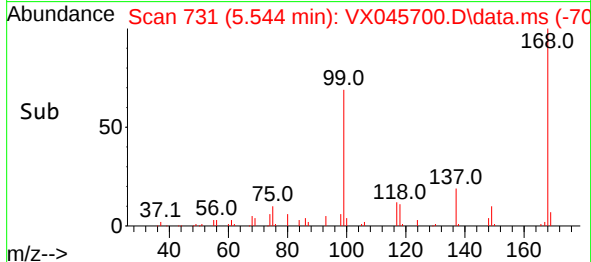
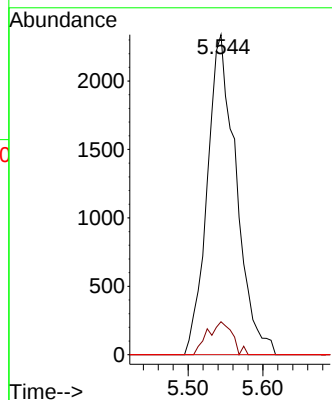
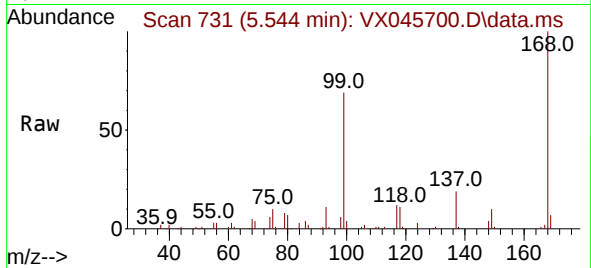




#36
1,1-Dichloropropene
Concen: 5.157 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

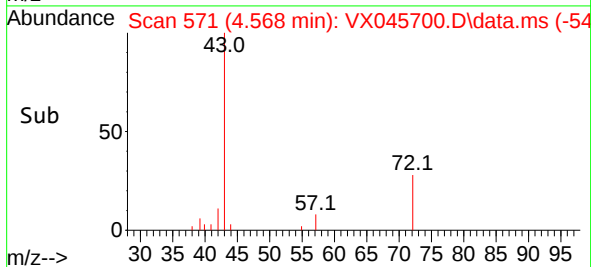
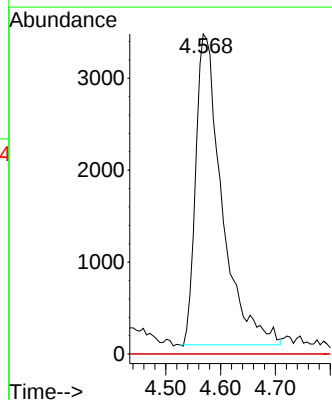
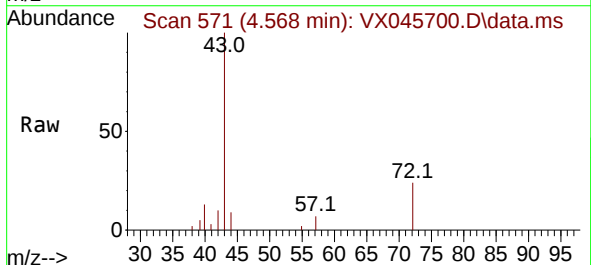
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

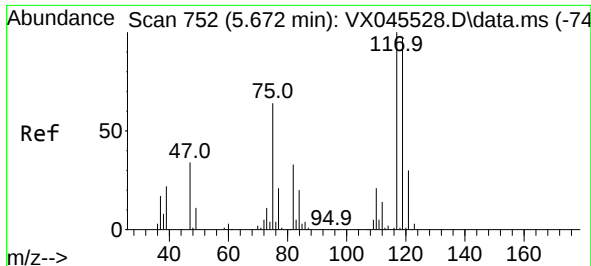
Tgt Ion: 75 Resp: 6299
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 7.286 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

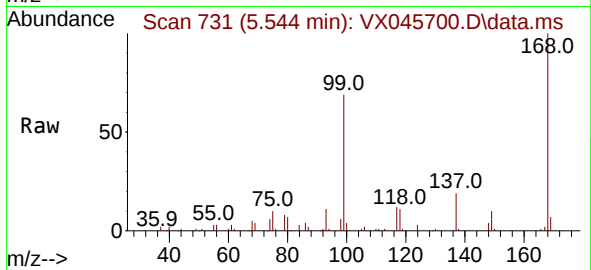
Tgt Ion: 43 Resp: 11215
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#



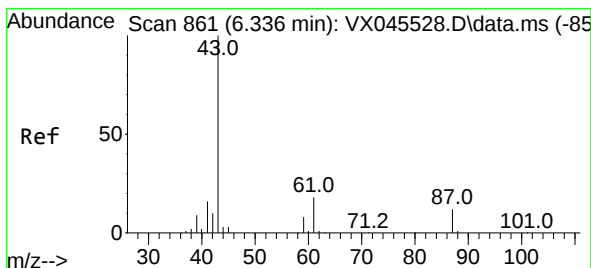
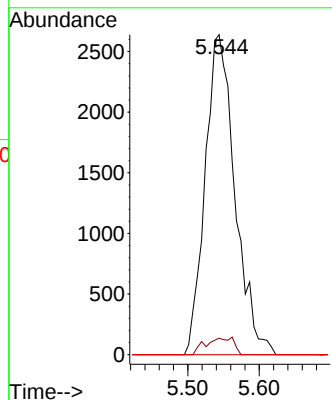
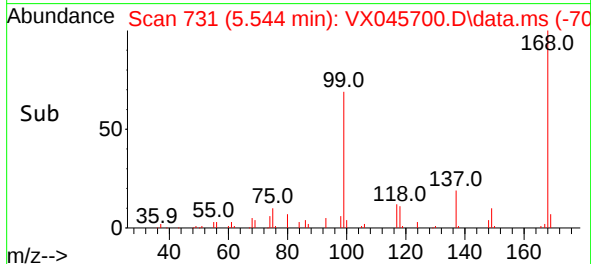


#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

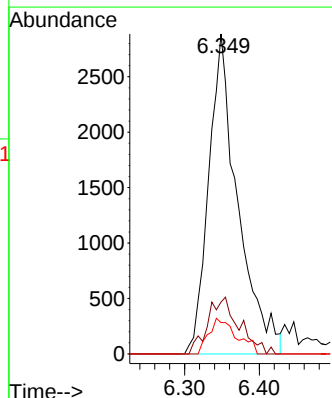
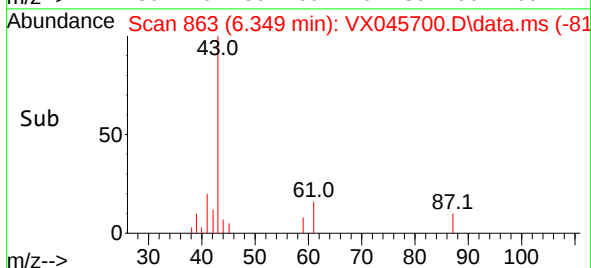
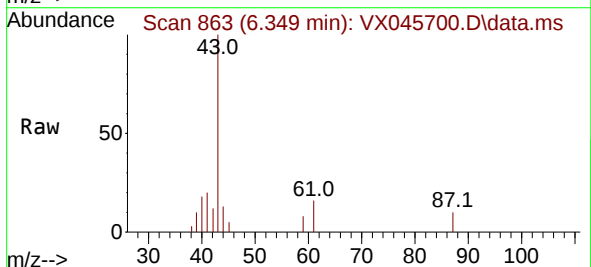


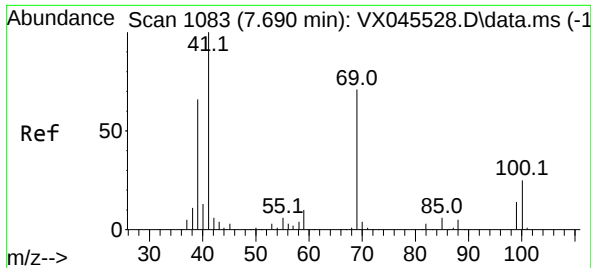
Tgt Ion:117 Resp: 7670
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.344 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 43 Resp: 7801
Ion Ratio Lower Upper
43 100
61 19.3 14.1 21.1
87 10.6 9.2 13.8

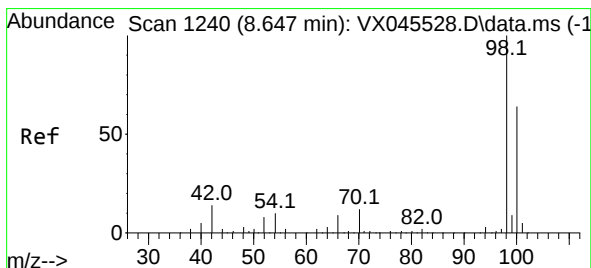
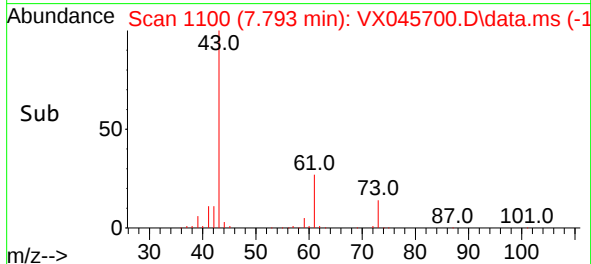
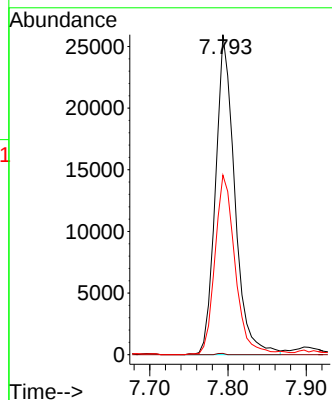
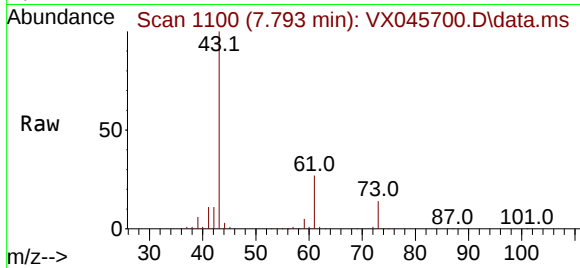




#48
Methyl methacrylate
Concen: 36.779 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

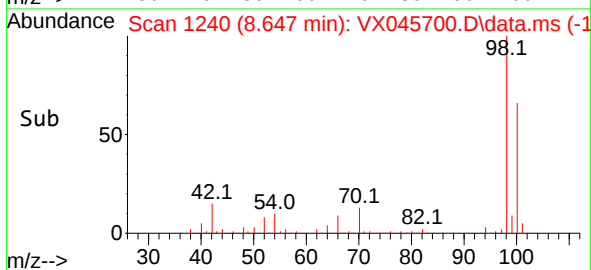
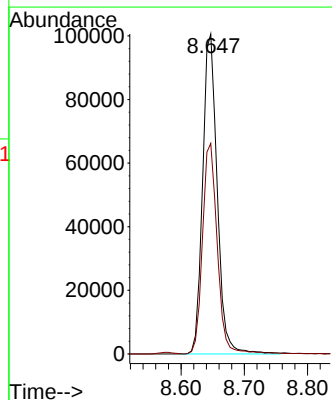
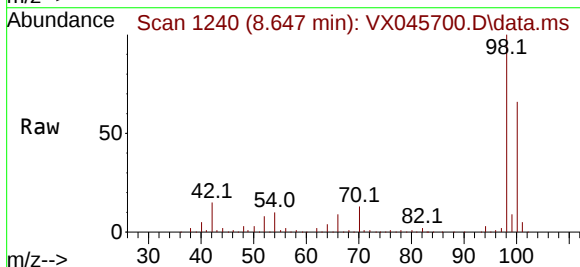
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

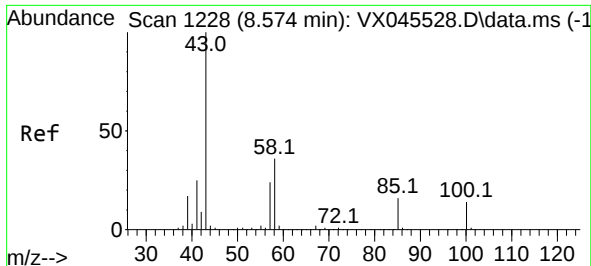
Tgt Ion: 41 Resp: 44302
Ion Ratio Lower Upper
41 100
69 0.2 58.2 87.2#
39 59.2 53.6 80.4



#50
Toluene-d8
Concen: 51.161 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 98 Resp: 161540
Ion Ratio Lower Upper
98 100
100 66.8 52.2 78.4

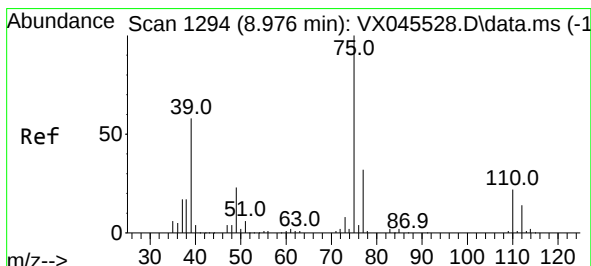
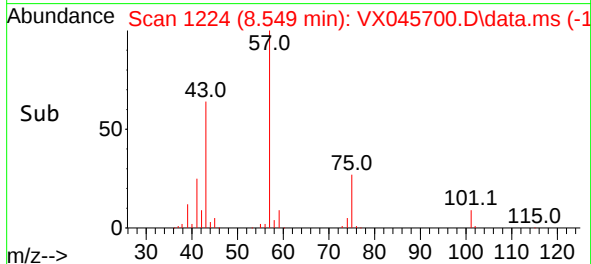
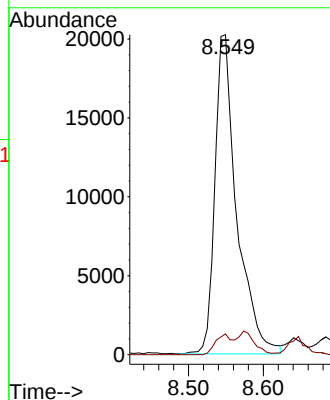
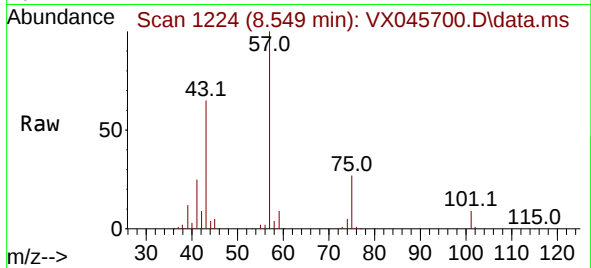




#51
4-Methyl-2-Pentanone
Concen: 26.648 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

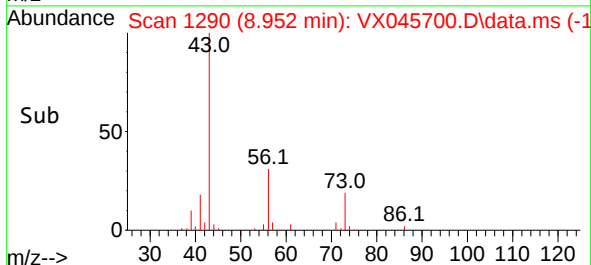
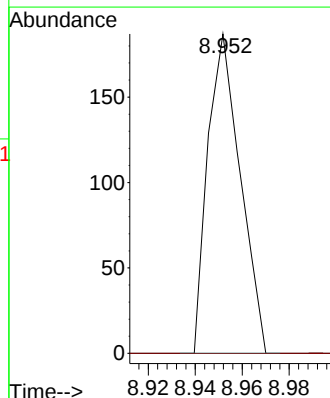
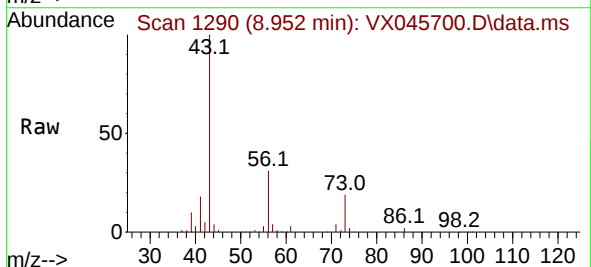
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

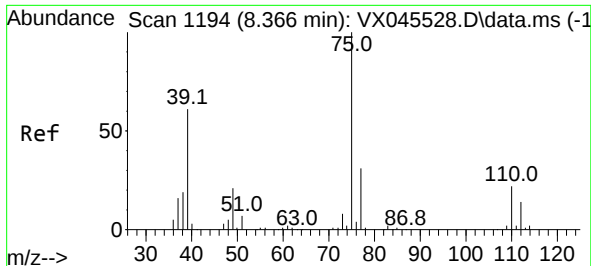
Tgt Ion: 43 Resp: 41213
Ion Ratio Lower Upper
43 100
58 5.1 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.414 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 75 Resp: 180
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

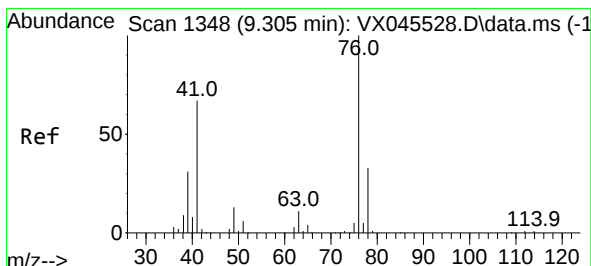
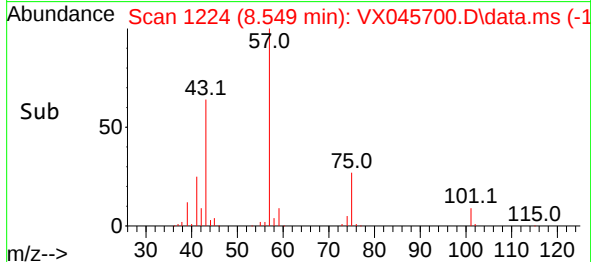
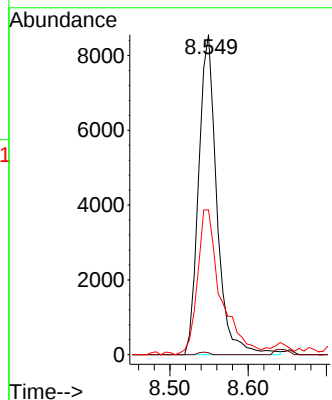
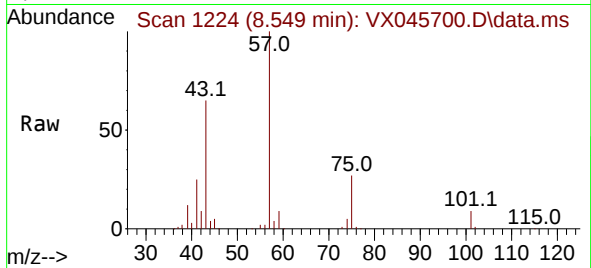




#54
 cis-1,3-Dichloropropene
 Concen: 10.335 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045700.D
 Acq: 10 Apr 2025 15:46

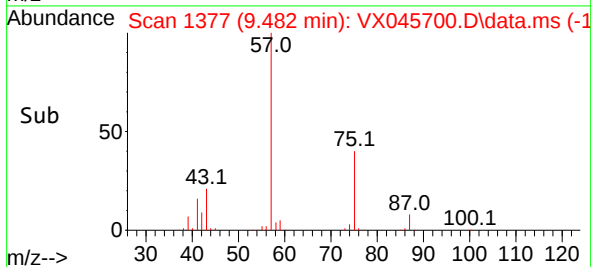
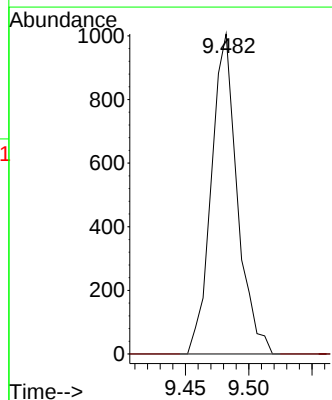
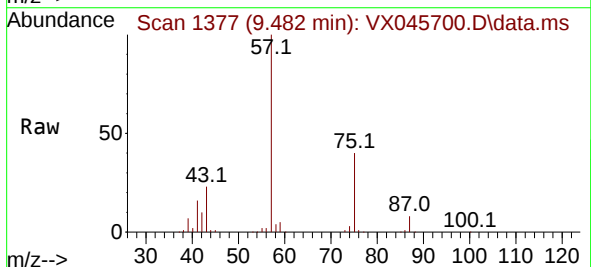
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#06

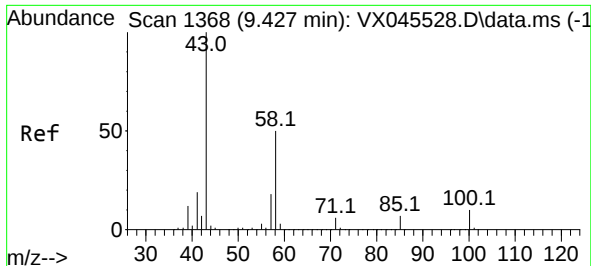
Tgt Ion: 75 Resp: 13858
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 36.8#
 39 44.6 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.917 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045700.D
 Acq: 10 Apr 2025 15:46

Tgt Ion: 76 Resp: 1437
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

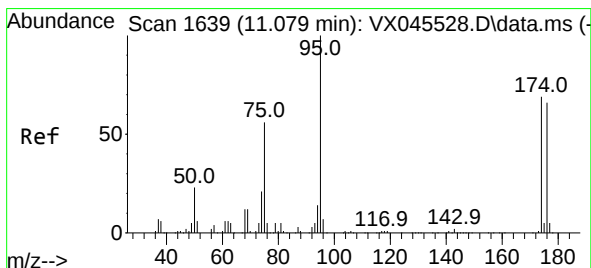
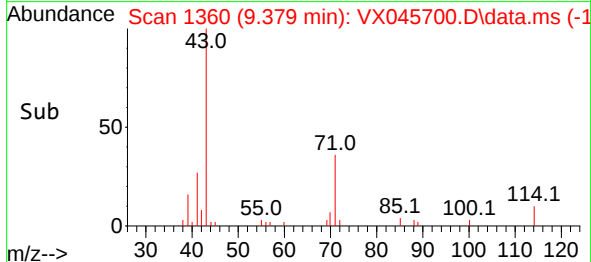
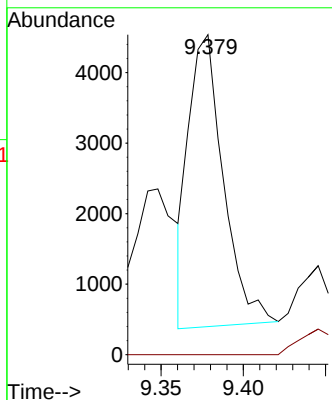
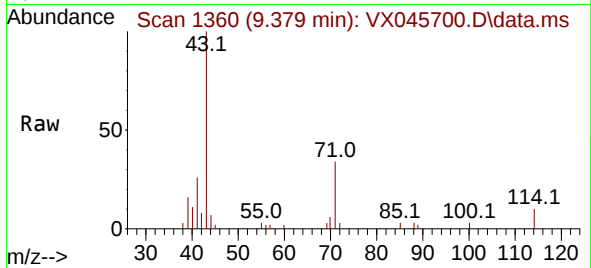




#59
2-Hexanone
Concen: 5.304 ug/l
RT: 9.379 min Scan# 11
Delta R.T. -0.048 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

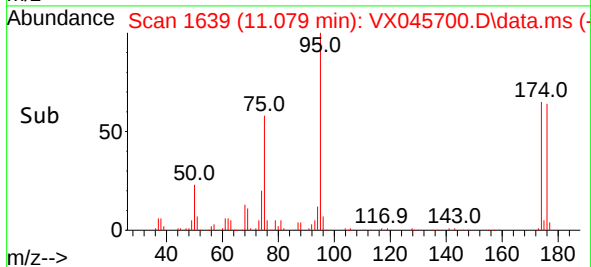
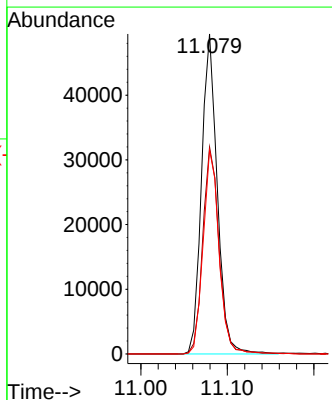
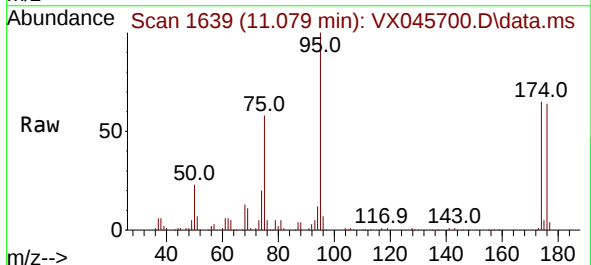
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

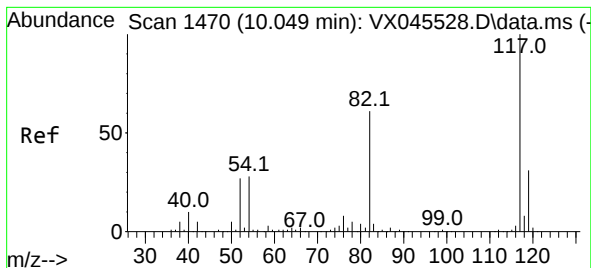
Tgt Ion: 43 Resp: 6074
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 54.299 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Tgt Ion: 95 Resp: 62450
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.6 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: VX045700.D

Acq: 10 Apr 2025 15:46

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#06

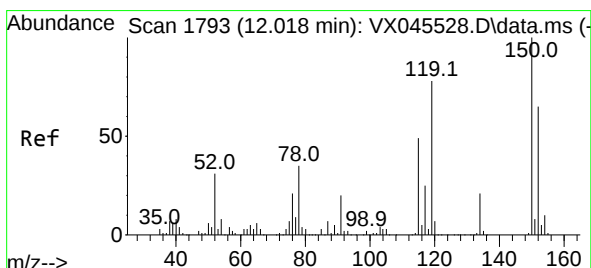
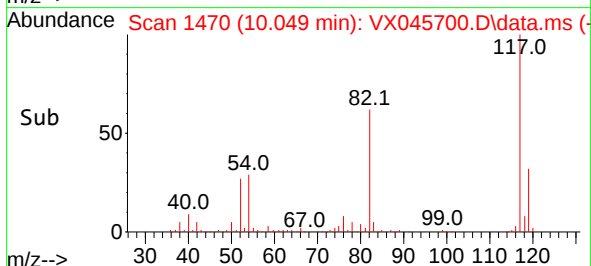
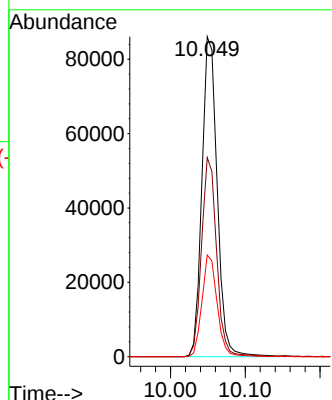
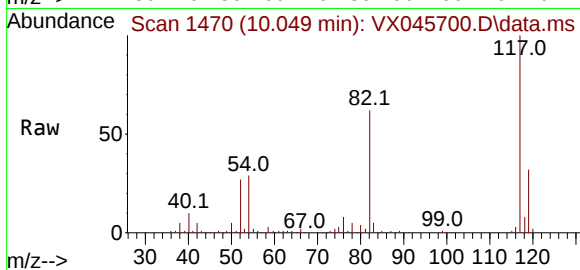
Tgt Ion:117 Resp: 122158

Ion Ratio Lower Upper

117 100

82 62.2 49.2 73.8

119 31.8 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045700.D

Acq: 10 Apr 2025 15:46

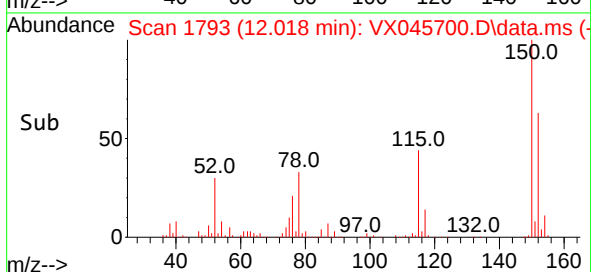
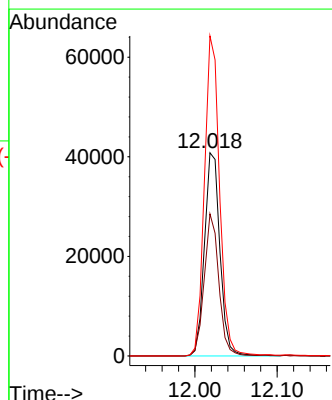
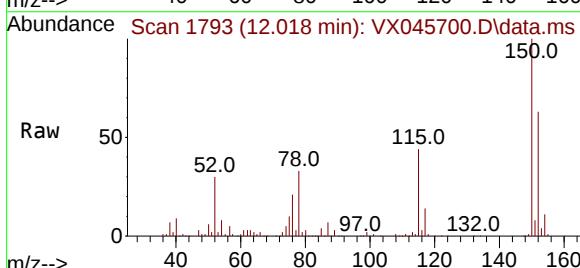
Tgt Ion:152 Resp: 53290

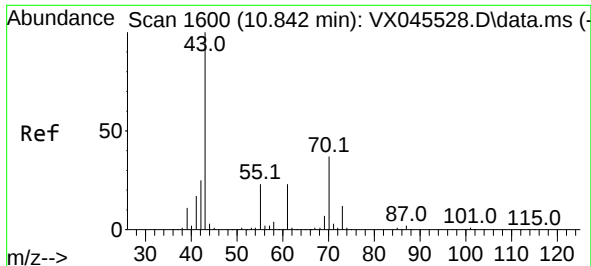
Ion Ratio Lower Upper

152 100

115 66.2 46.9 140.7

150 154.6 0.0 349.4

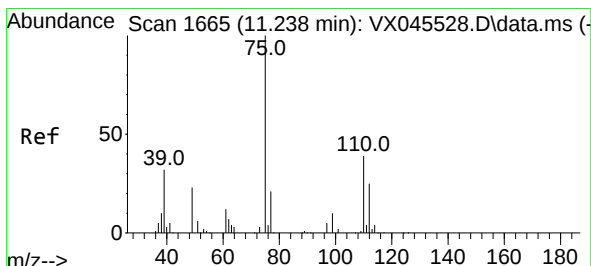
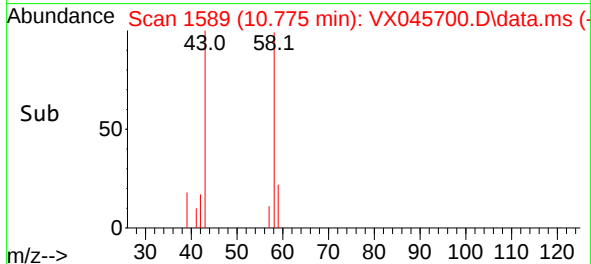
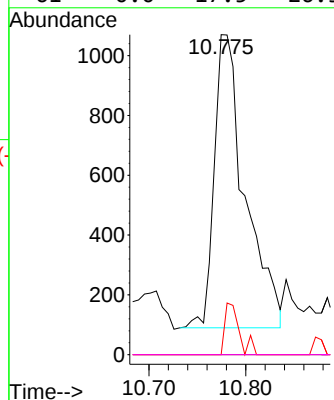
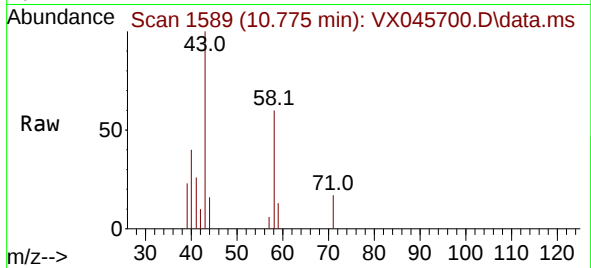




#74
N-amy1 acetate
Concen: 1.058 ug/l
RT: 10.775 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

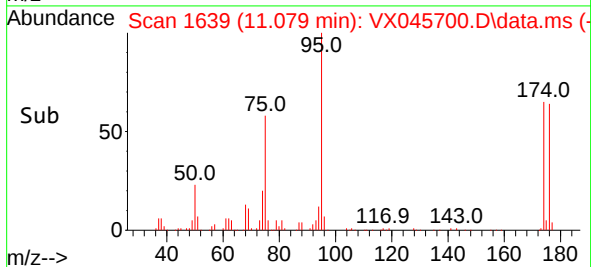
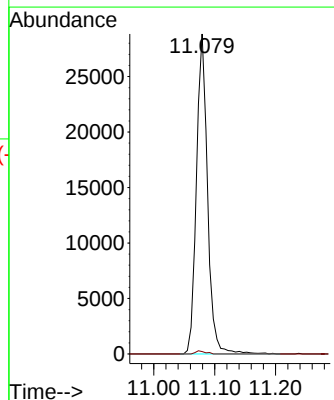
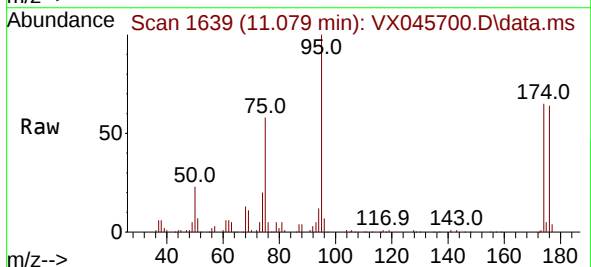
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06

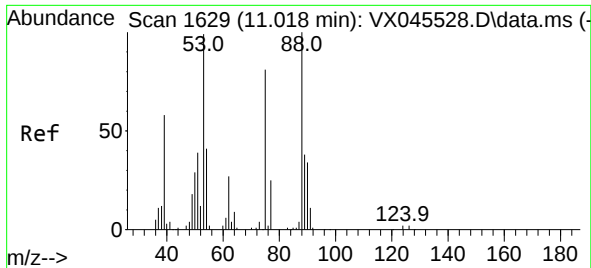
Tgt Ion:	43	Resp:	2161
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.1	45.1#
55	8.2	18.3	27.5#
61	0.0	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 28.057 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

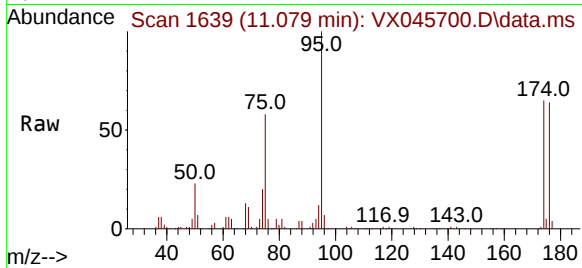
Tgt Ion:	75	Resp:	36470
Ion	Ratio	Lower	Upper
75	100		
77	0.9	20.0	59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.221 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX045700.D
Acq: 10 Apr 2025 15:46

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#06



Tgt Ion: 75 Resp: 36470
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

