

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045697.D
 Acq On : 10 Apr 2025 14:36
 Operator : JC/MD
 Sample : PB167534ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167534ZHE#03

Quant Time: Apr 11 01:57:14 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

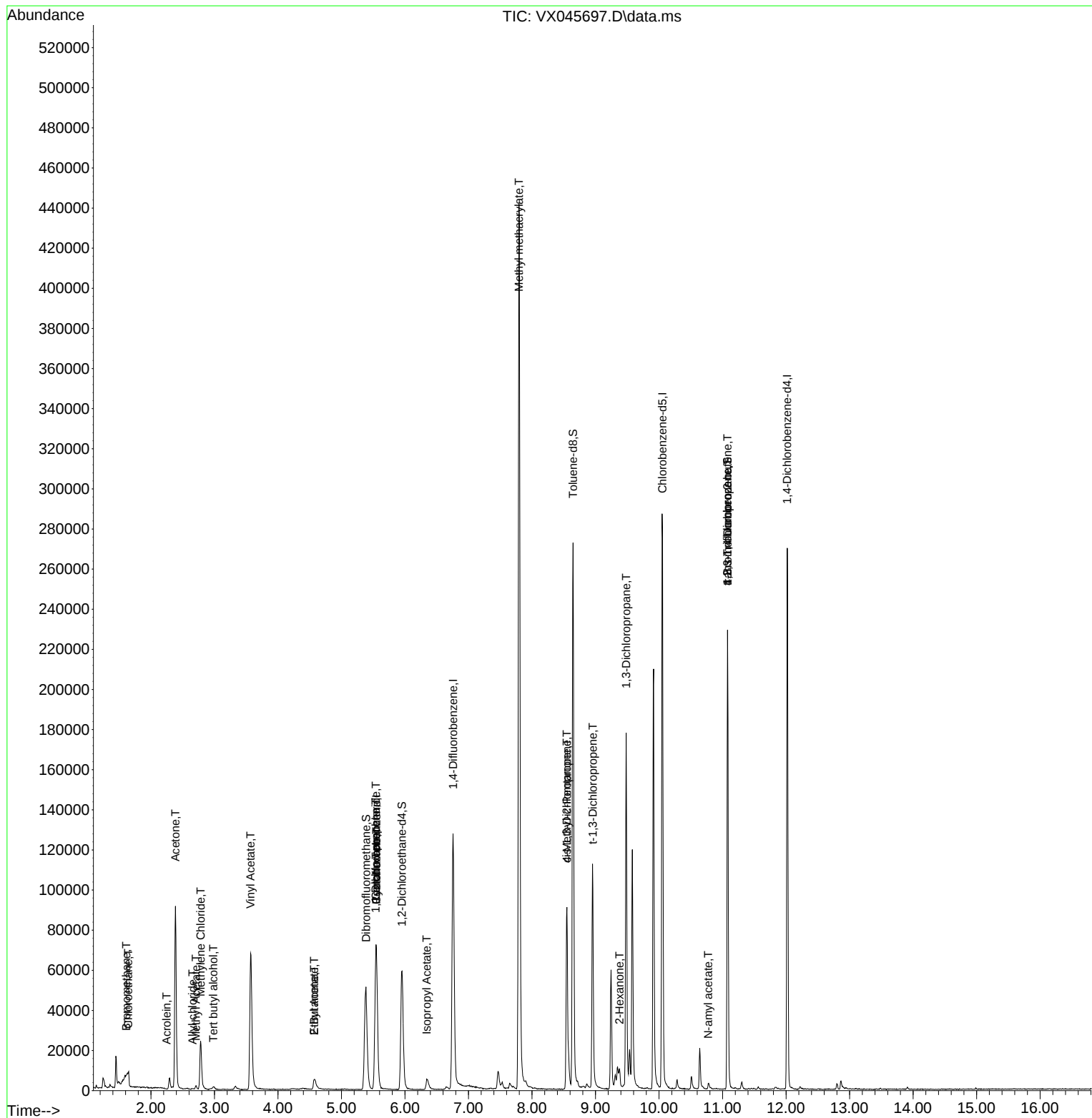
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	61049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122509	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	116892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61420	55.015	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.020%	
35) Dibromofluoromethane	5.385	113	43883	50.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.980%	
50) Toluene-d8	8.647	98	154986	51.085	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.180%	
62) 4-Bromofluorobenzene	11.079	95	60068	54.356	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.720%	
Target Compounds						Qvalue
5) Bromomethane	1.611	94	140	0.344	ug/l #	80
6) Chloroethane	1.642	64	311	0.683	ug/l #	42
11) Tert butyl alcohol	2.983	59	1860	12.397	ug/l	98
13) Acrolein	2.245	56	147	0.711	ug/l #	15
14) Allyl chloride	2.654	41	334	0.240	ug/l #	56
16) Acetone	2.386	43	103576	225.933	ug/l	97
18) Methyl Acetate	2.709	43	2233	2.116	ug/l	97
20) Methylene Chloride	2.782	84	11271	13.133	ug/l	95
23) Vinyl Acetate	3.568	43	1134	0.479	ug/l #	74
25) 2-Butanone	4.568	43	11208	16.702	ug/l	99
31) Cyclohexane	5.550	56	1946	1.421	ug/l #	42
36) 1,1-Dichloropropene	5.537	75	6371	5.429	ug/l #	49
37) Ethyl Acetate	4.568	43	11208	7.578	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7180	5.661	ug/l #	16
43) Isopropyl Acetate	6.342	43	8378	3.738	ug/l	95
48) Methyl methacrylate	7.793	41	45150	39.011	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	41786	28.120	ug/l #	46
53) t-1,3-Dichloropropene	8.958	75	187	2.424	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13913	10.799	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	1450	0.963	ug/l #	42
59) 2-Hexanone	9.378	43	8046	7.312	ug/l #	28
74) N-amyl acetate	10.774	43	2024	1.045	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	34563	28.019	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	34563	95.094	ug/l #	1

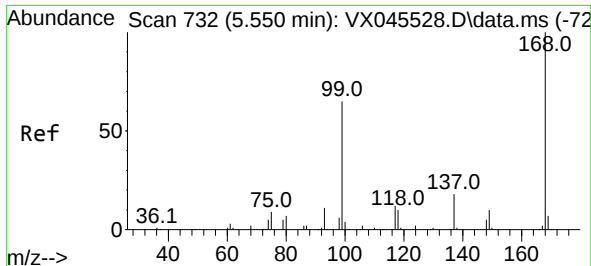
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
Data File : VX045697.D
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Sample : PB167534ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
ClientSampleId :
PB167534ZHE#03

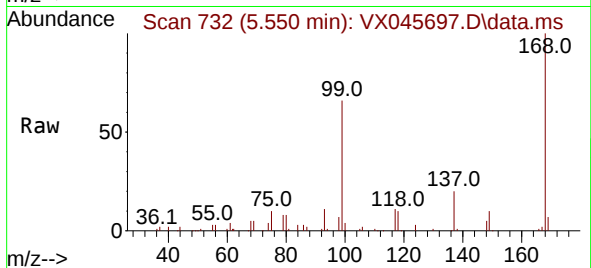
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
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QLast Update : Wed Apr 02 03:11:43 2025
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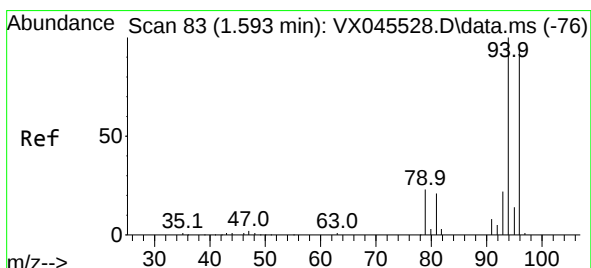
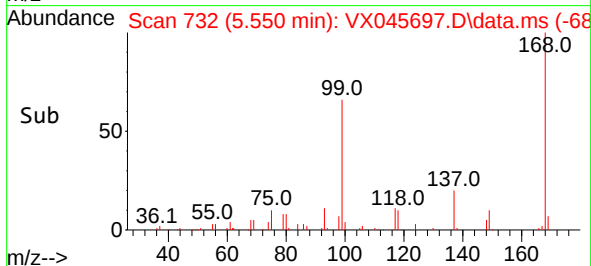
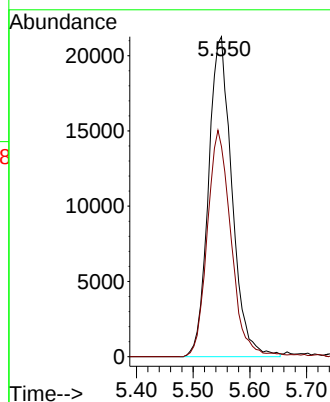


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

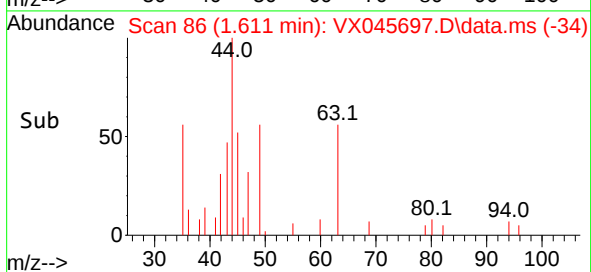
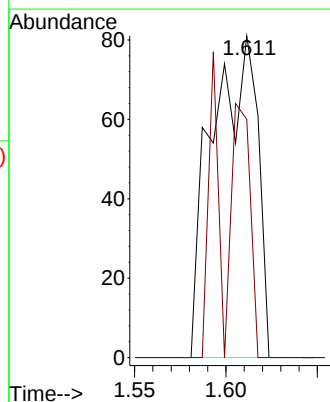
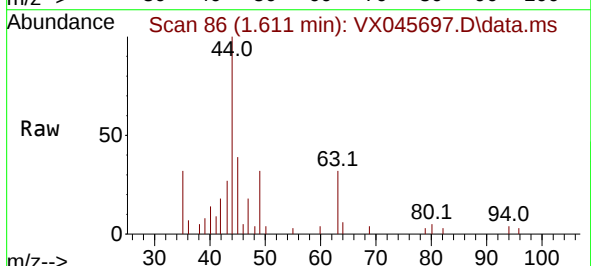


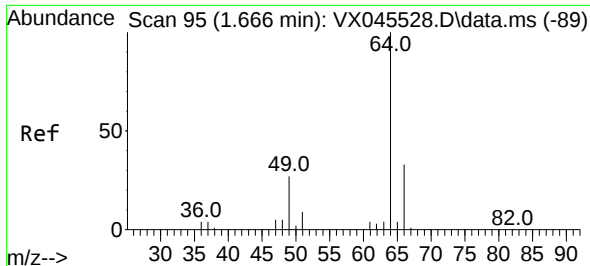
Tgt Ion:168 Resp: 61049
Ion Ratio Lower Upper
168 100
99 65.6 52.3 78.5



#5
Bromomethane
Concen: 0.344 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 74.1 74.8 112.2#

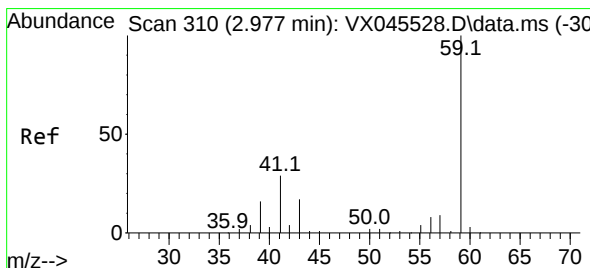
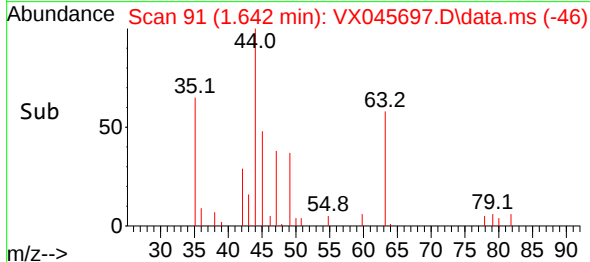
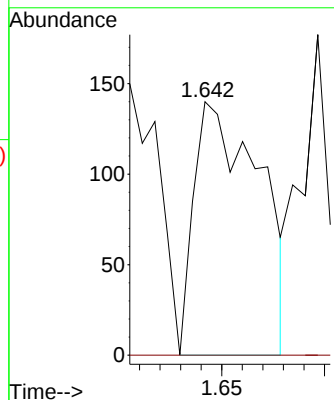
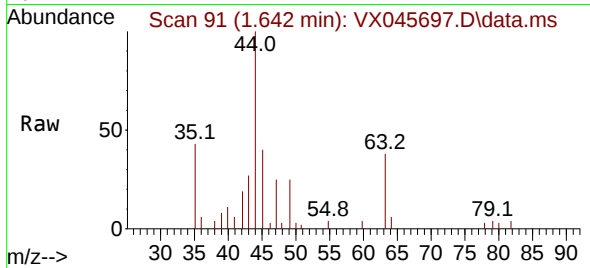




#6
Chloroethane
Concen: 0.683 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

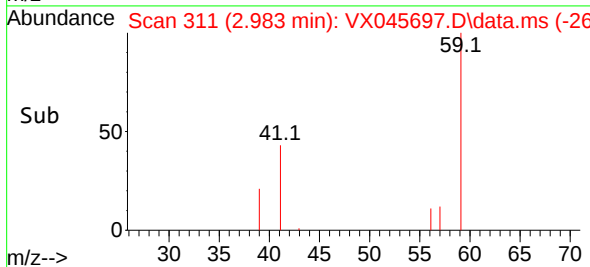
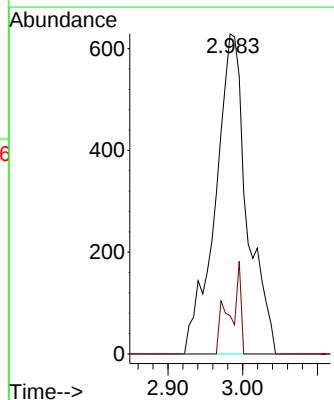
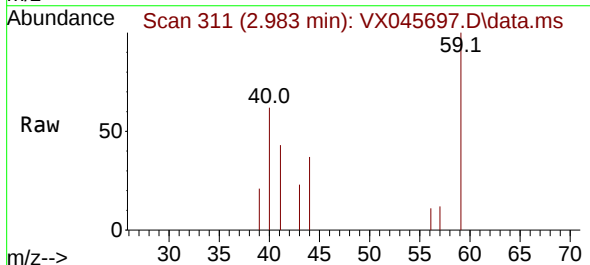
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

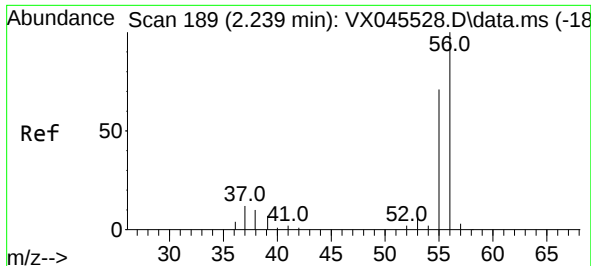
Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#



#11
Tert butyl alcohol
Concen: 12.397 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 59 Resp: 1860
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8





#13

Acrolein

Concen: 0.711 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.006 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

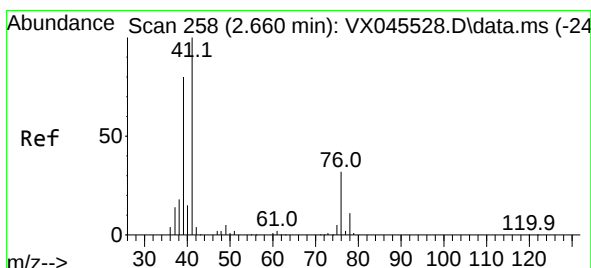
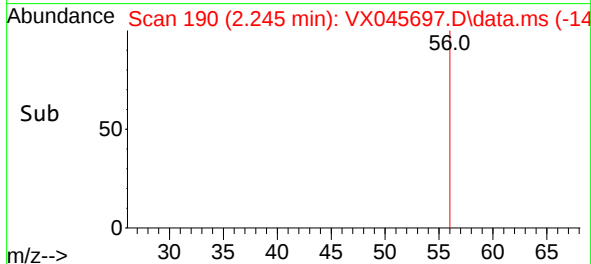
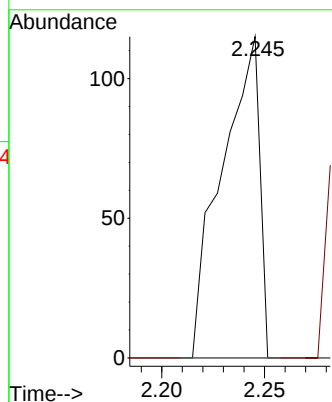
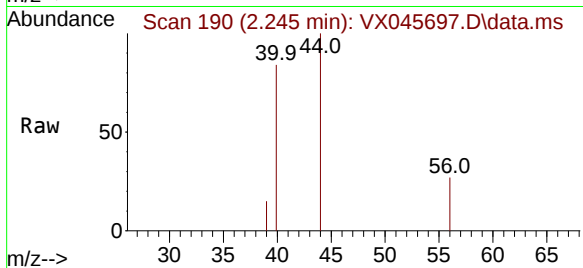
PB167534ZHE#03

Tgt Ion: 56 Resp: 147

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#



#14

Allyl chloride

Concen: 0.240 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.006 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

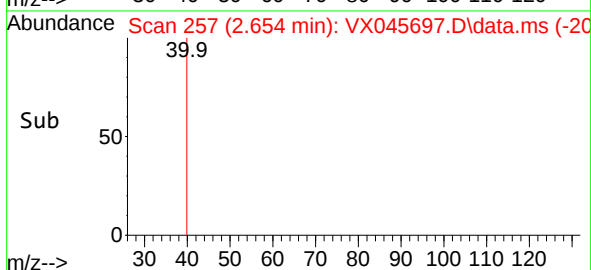
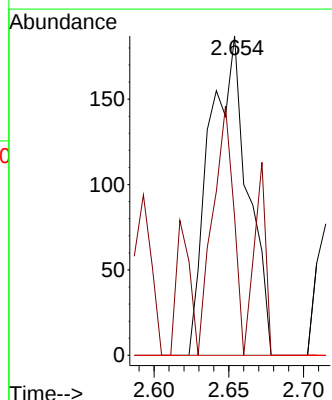
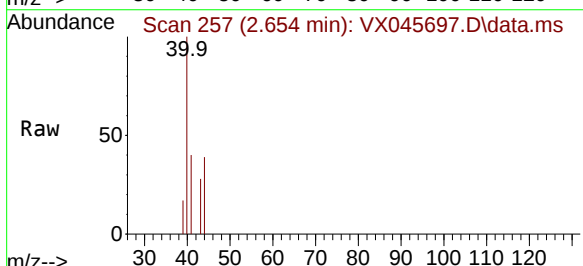
Tgt Ion: 41 Resp: 334

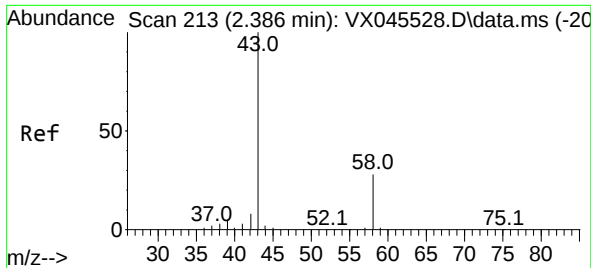
Ion Ratio Lower Upper

41 100

39 42.2 60.2 90.2#

76 0.0 24.6 36.8#

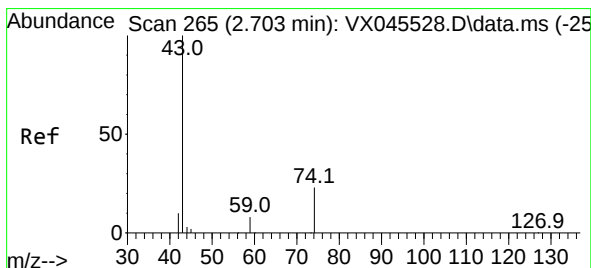
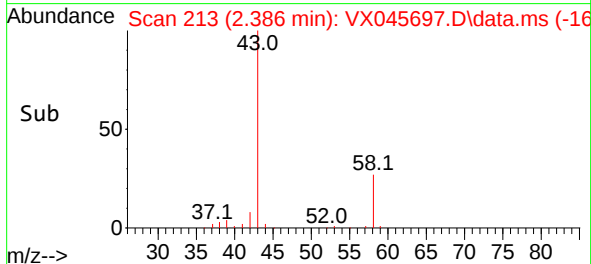
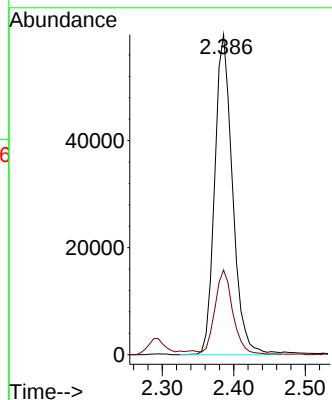
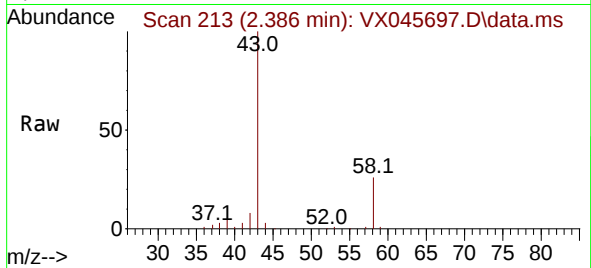




#16
Acetone
Concen: 225.933 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

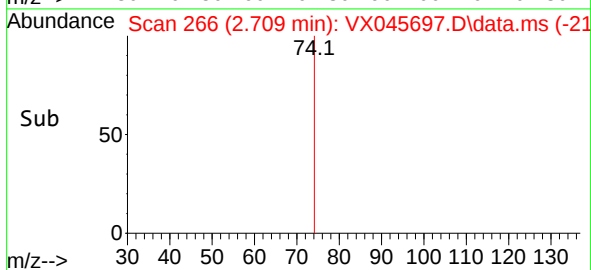
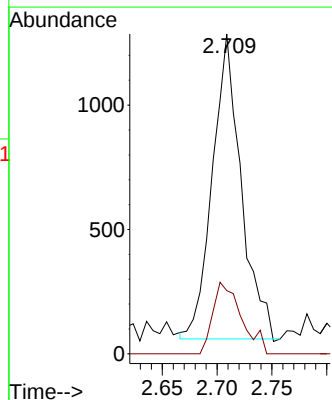
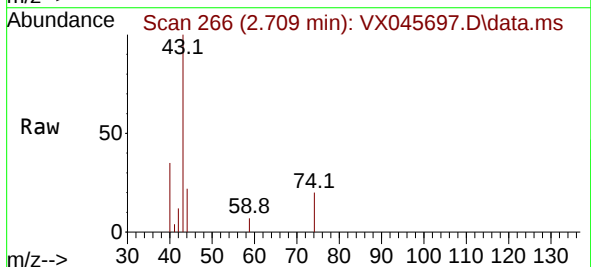
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

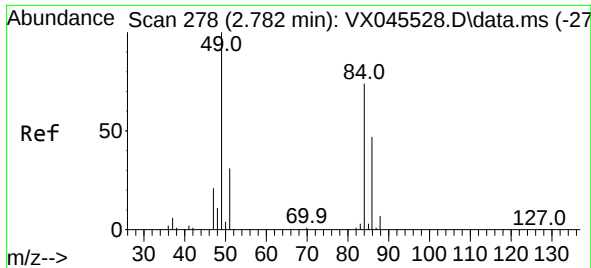
Tgt Ion: 43 Resp: 103576
Ion Ratio Lower Upper
43 100
58 26.3 22.3 33.5



#18
Methyl Acetate
Concen: 2.116 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 43 Resp: 2233
Ion Ratio Lower Upper
43 100
74 23.3 17.5 26.3

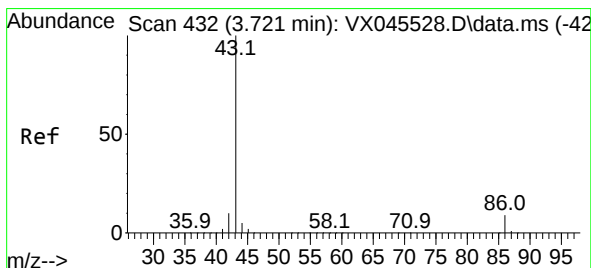
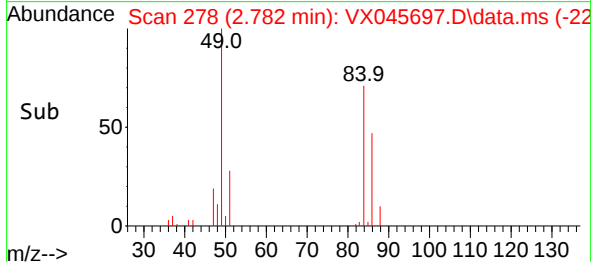
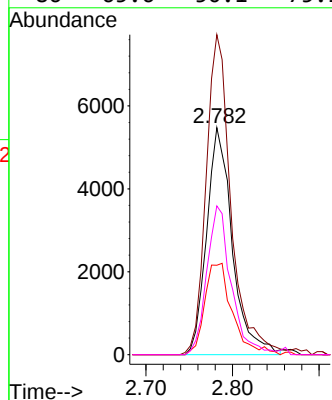
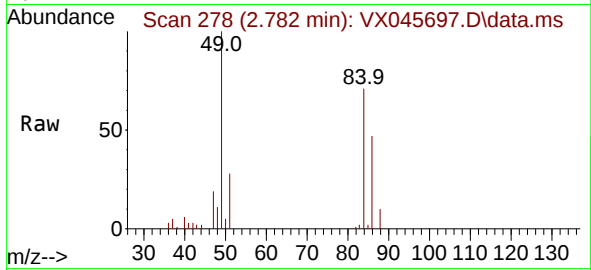




#20
Methylene Chloride
Concen: 13.133 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

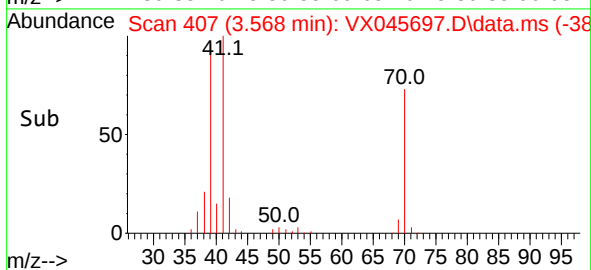
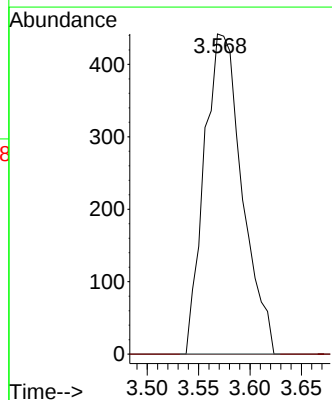
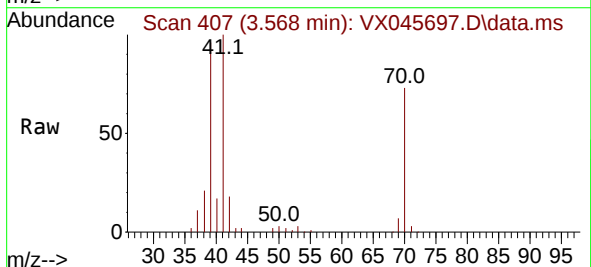
Instrument :
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ClientSampleId :
PB167534ZHE#03

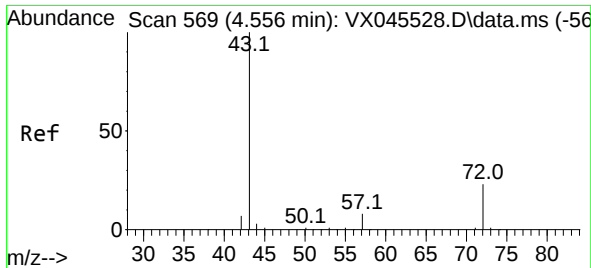
Tgt Ion:	84	Resp:	11271
Ion	Ratio	Lower	Upper
84	100		
49	141.0	107.5	161.3
51	39.4	33.0	49.6
86	65.6	50.1	75.1



#23
Vinyl Acetate
Concen: 0.479 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.152 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion:	43	Resp:	1134
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#

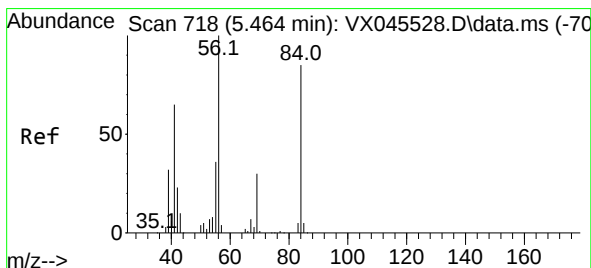
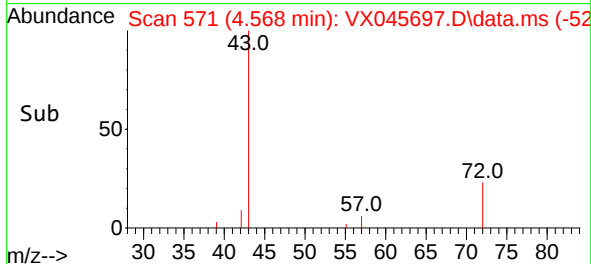
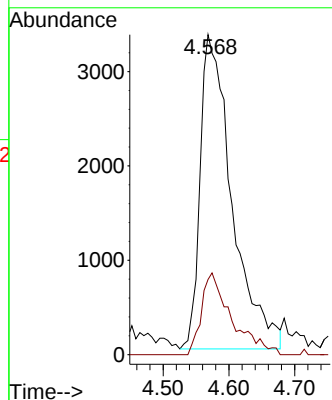
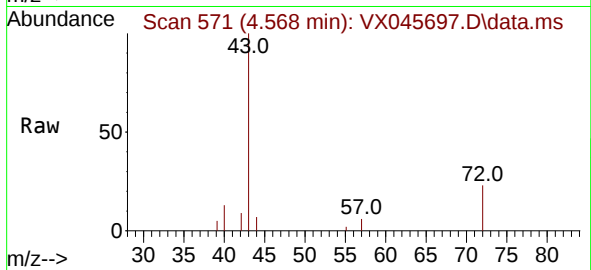




#25
2-Butanone
Concen: 16.702 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

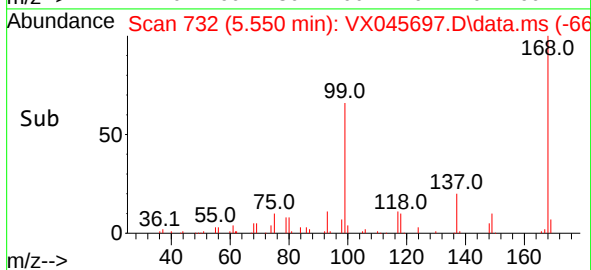
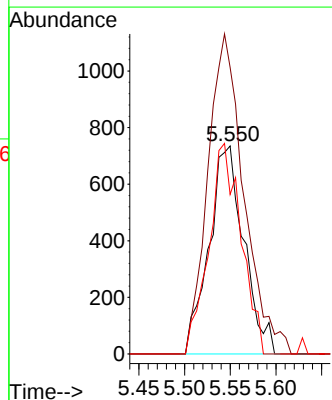
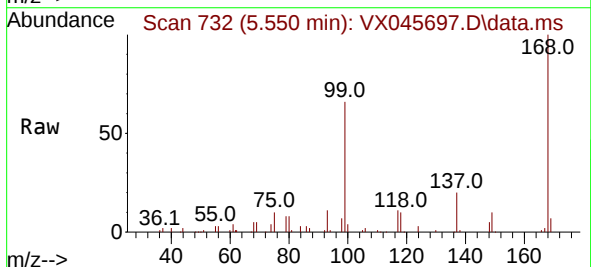
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ClientSampleId :
PB167534ZHE#03

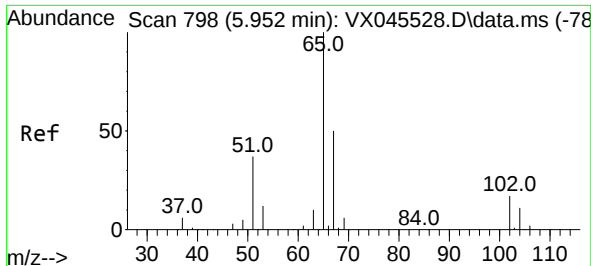
Tgt Ion: 43 Resp: 11208
Ion Ratio Lower Upper
43 100
72 23.9 18.6 28.0



#31
Cyclohexane
Concen: 1.421 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 56 Resp: 1946
Ion Ratio Lower Upper
56 100
69 137.8 23.6 35.4#
84 76.7 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.015 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

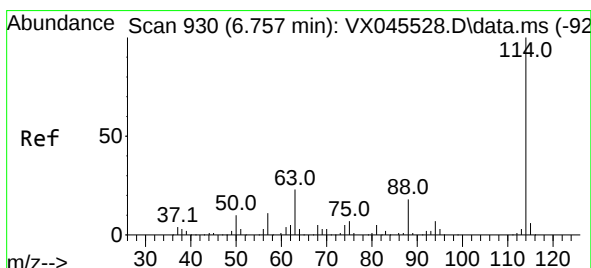
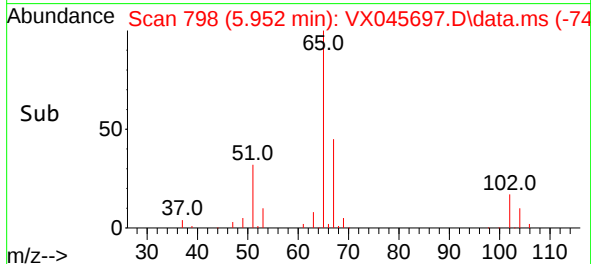
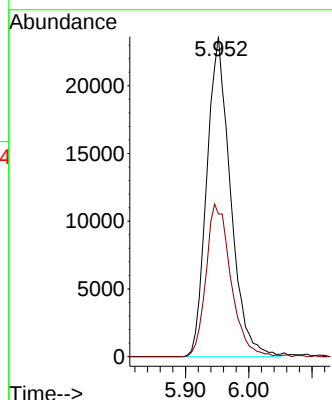
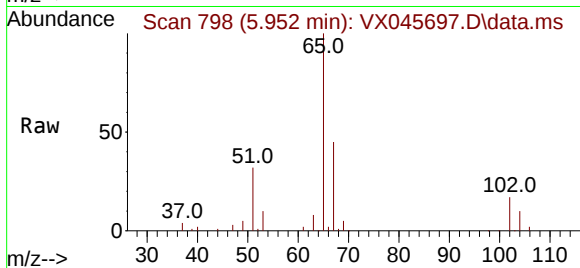
PB167534ZHE#03

Tgt Ion: 65 Resp: 61420

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# 930

Delta R.T. -0.000 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

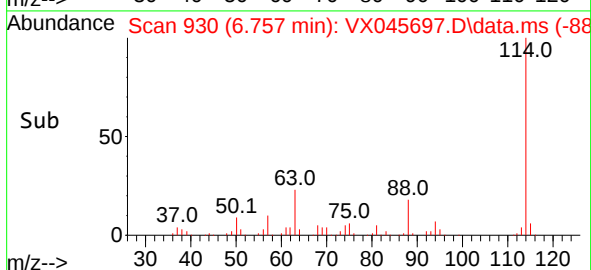
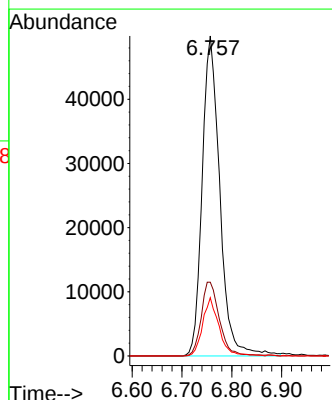
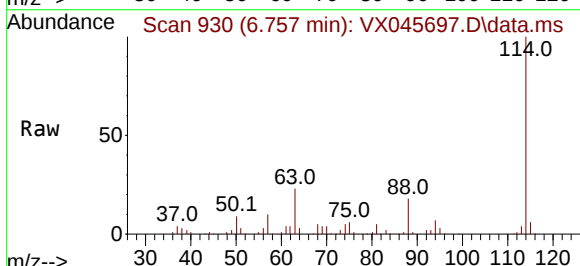
Tgt Ion: 114 Resp: 122509

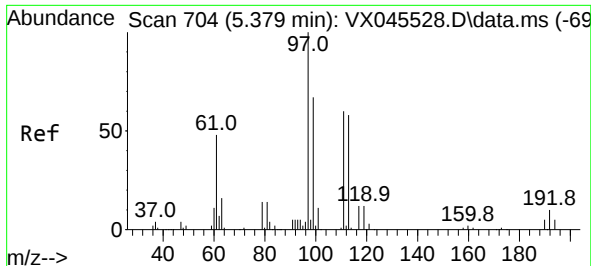
Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.8

88 18.2 0.0 35.4

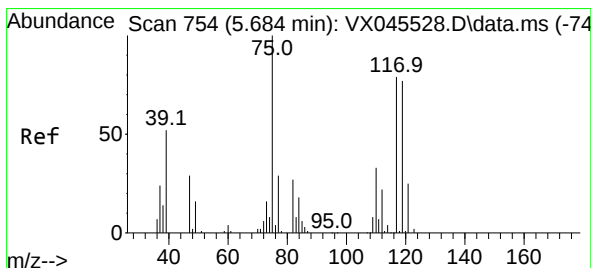
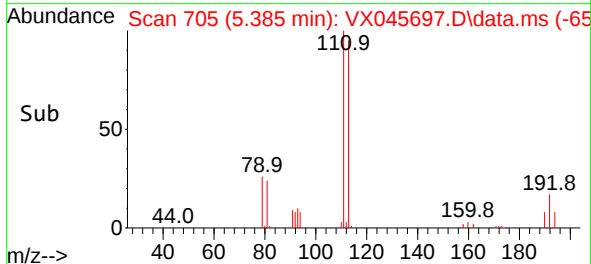
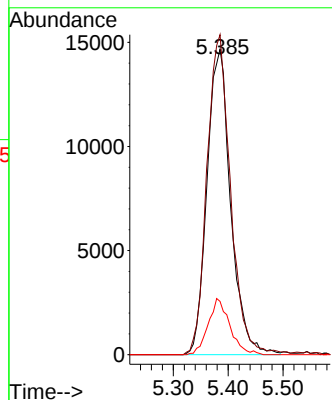
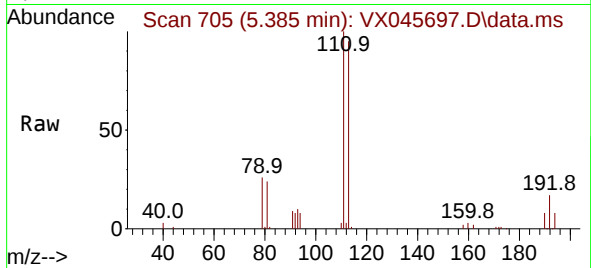




#35
Dibromofluoromethane
Concen: 50.487 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

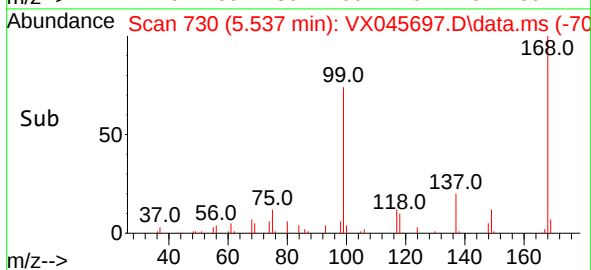
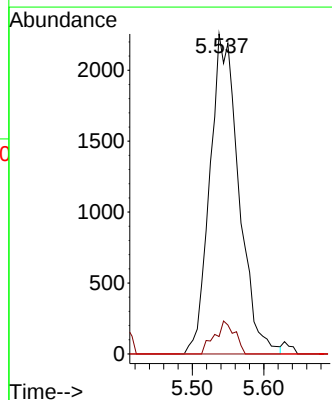
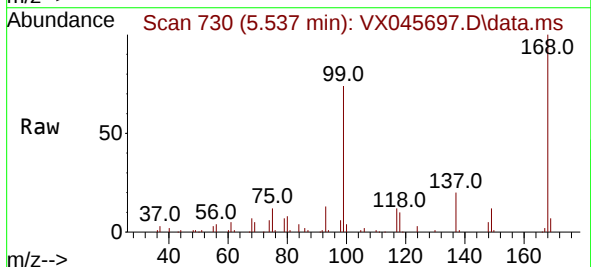
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

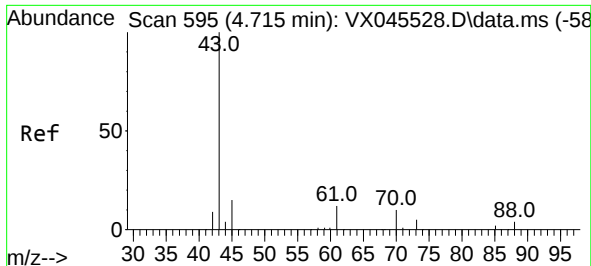
Tgt Ion:113 Resp: 43883
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.6
192 16.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.429 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 75 Resp: 6371
Ion Ratio Lower Upper
75 100
110 7.1 16.9 50.6#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 7.578 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

PB167534ZHE#03

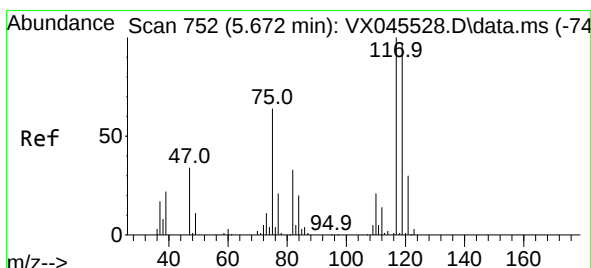
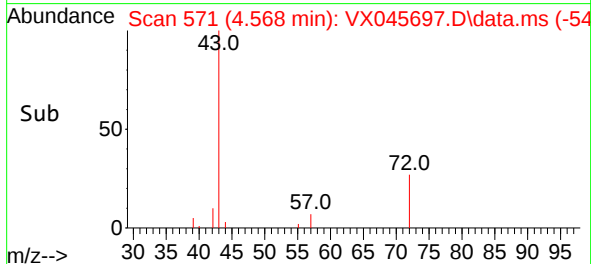
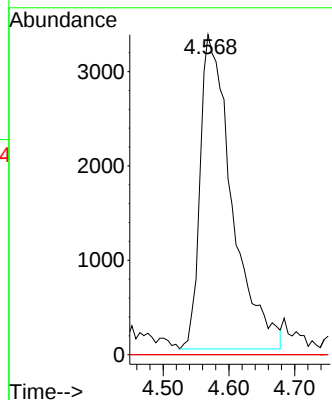
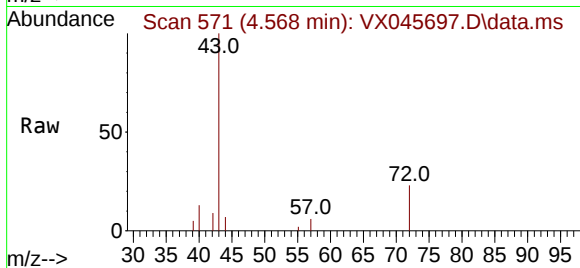
Tgt Ion: 43 Resp: 11208

Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.0 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 5.661 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

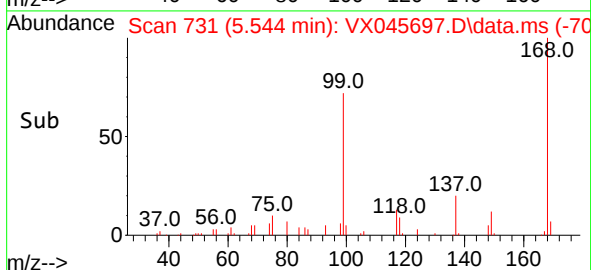
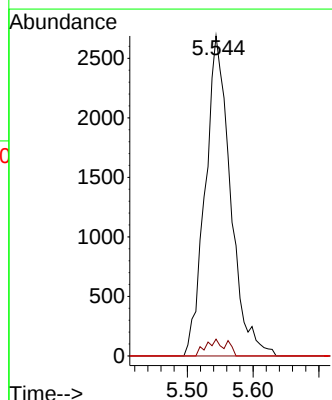
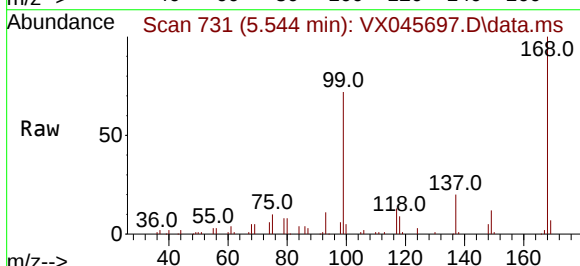
Tgt Ion: 117 Resp: 7180

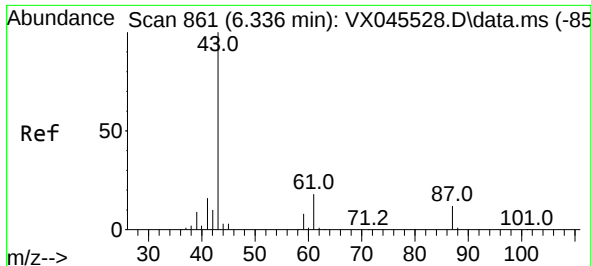
Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

121 0.0 24.2 36.2#

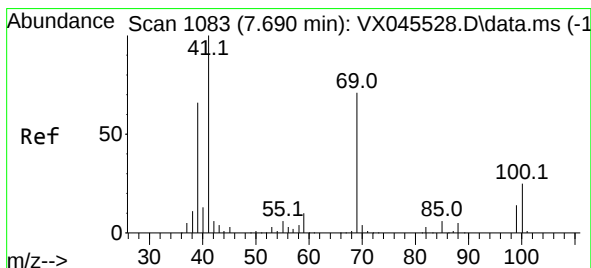
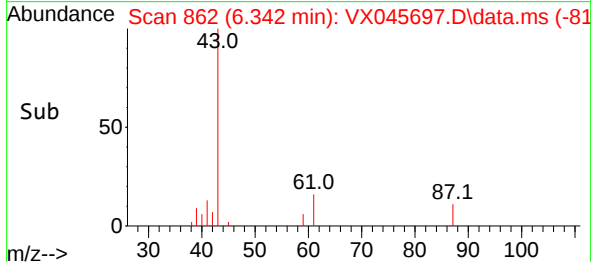
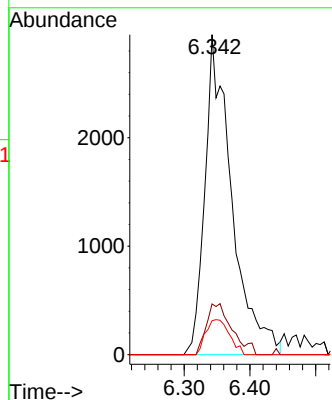
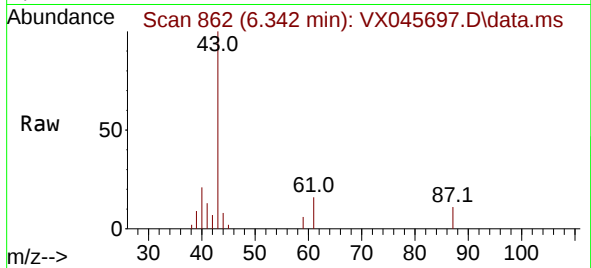




#43
Isopropyl Acetate
Concen: 3.738 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

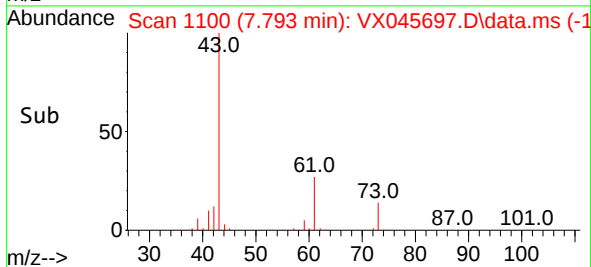
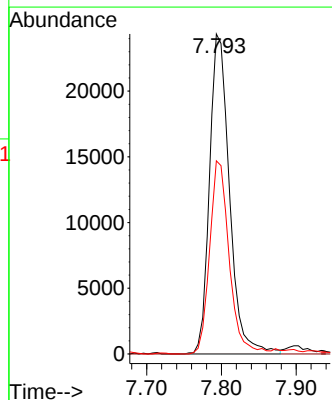
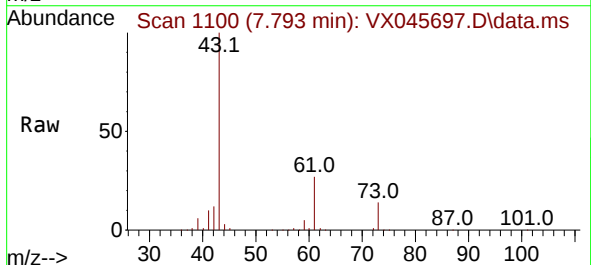
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

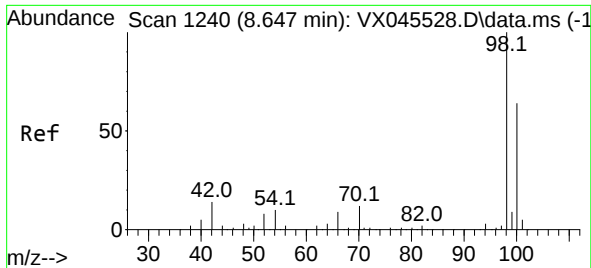
Tgt Ion: 43 Resp: 8378
Ion Ratio Lower Upper
43 100
61 15.2 14.1 21.1
87 9.6 9.2 13.8



#48
Methyl methacrylate
Concen: 39.011 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 41 Resp: 45150
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.2 53.6 80.4

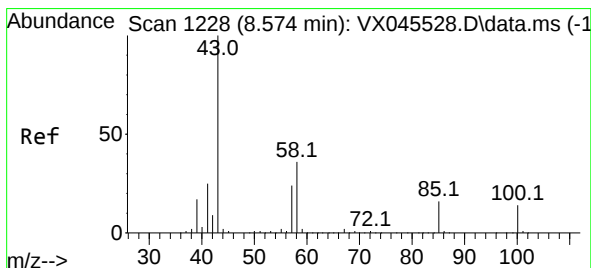
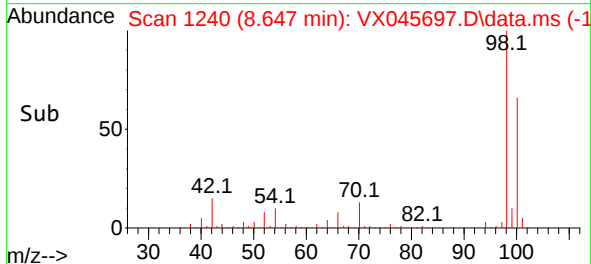
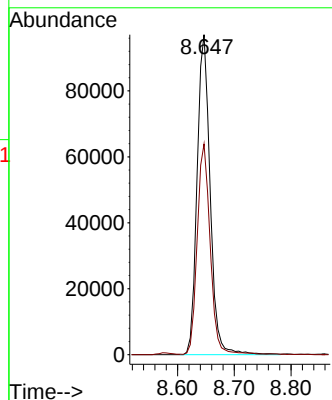
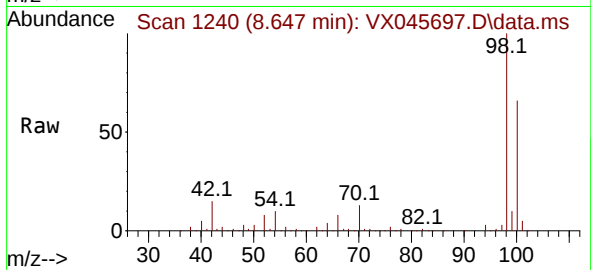




#50
Toluene-d8
Concen: 51.085 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

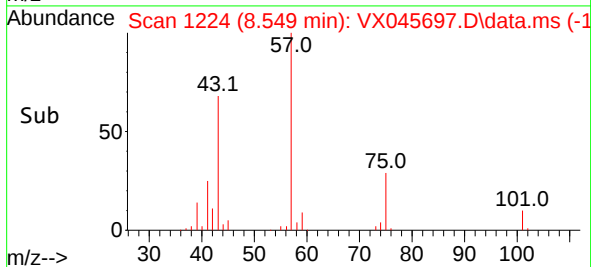
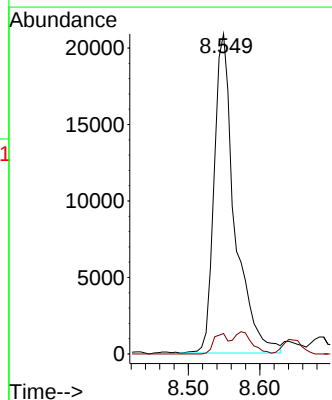
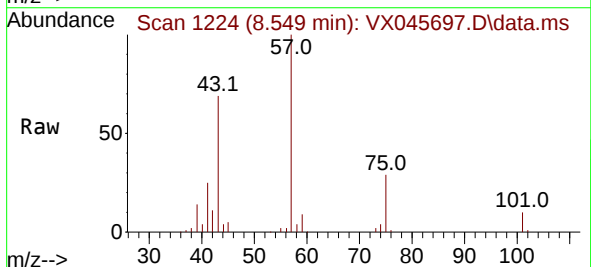
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

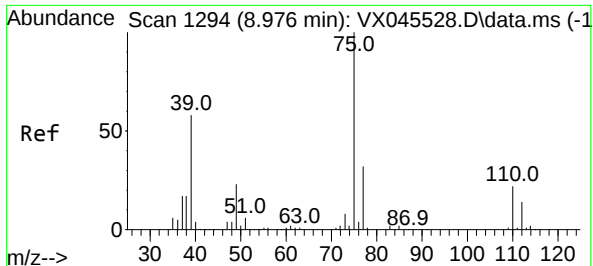
Tgt Ion: 98 Resp: 154986
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 28.120 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 43 Resp: 41786
Ion Ratio Lower Upper
43 100
58 4.3 28.5 42.7#





#53

t-1,3-Dichloropropene

Concen: 2.424 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

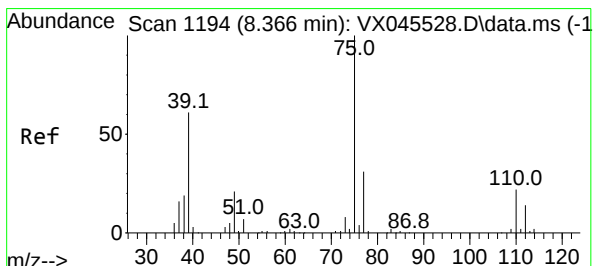
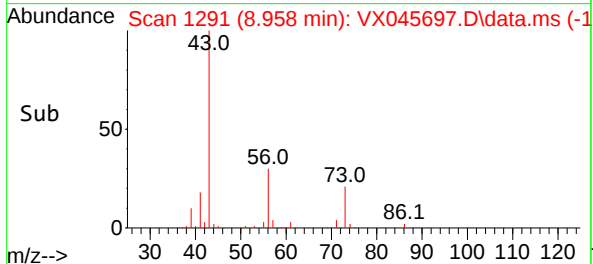
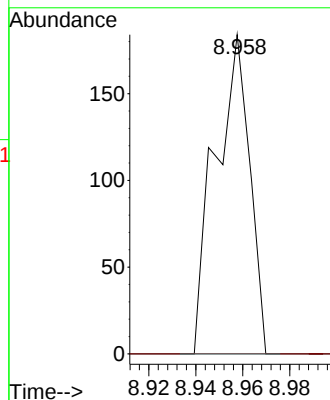
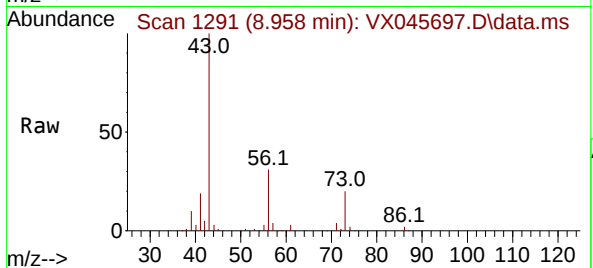
PB167534ZHE#03

Tgt Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 10.799 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

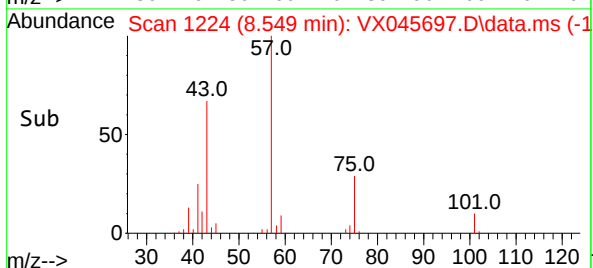
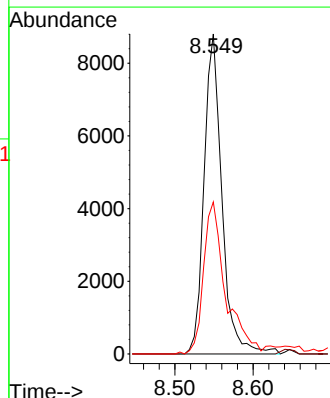
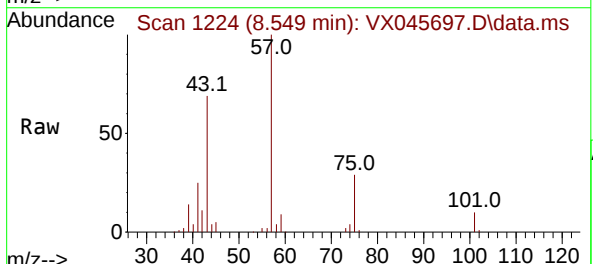
Tgt Ion: 75 Resp: 13913

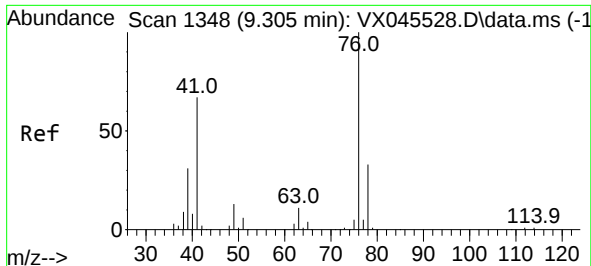
Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

39 46.9 48.4 72.6#





#57

1,3-Dichloropropane

Concen: 0.963 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045697.D

Acq: 10 Apr 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

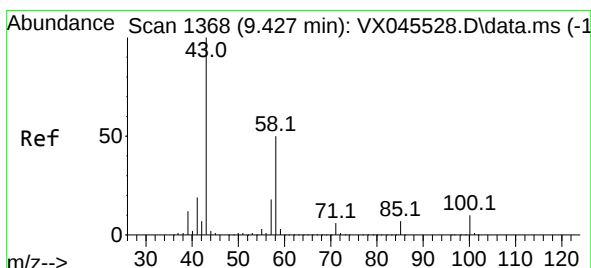
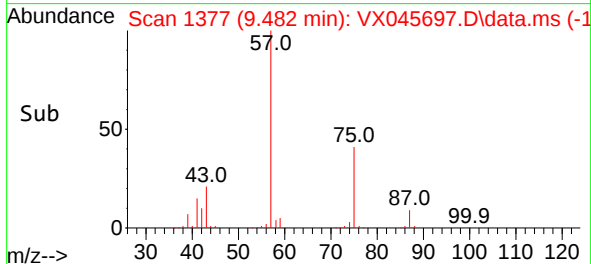
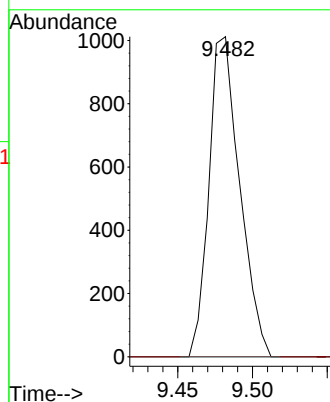
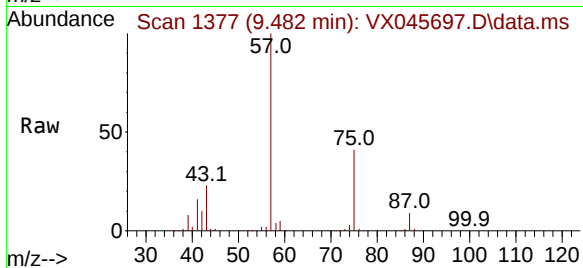
PB167534ZHE#03

Tgt Ion: 76 Resp: 1450

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 7.312 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045697.D

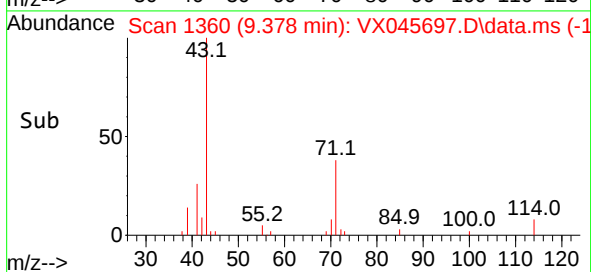
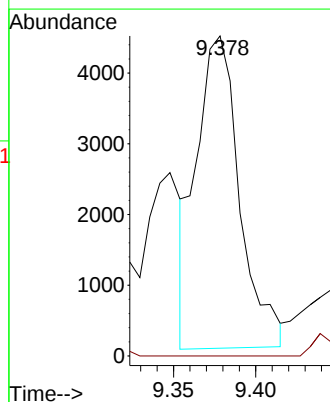
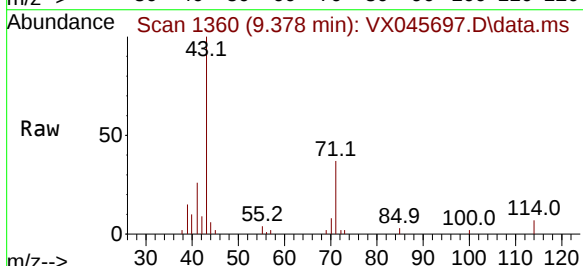
Acq: 10 Apr 2025 14:36

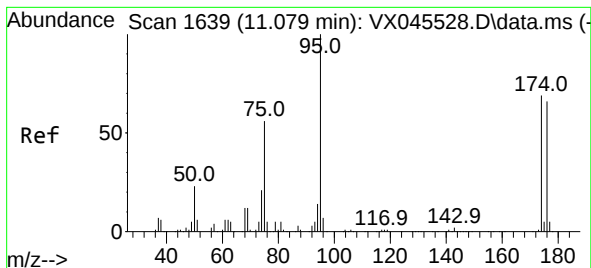
Tgt Ion: 43 Resp: 8046

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

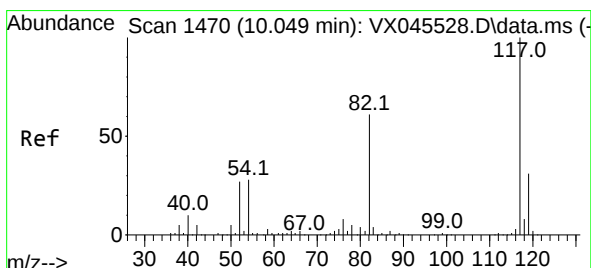
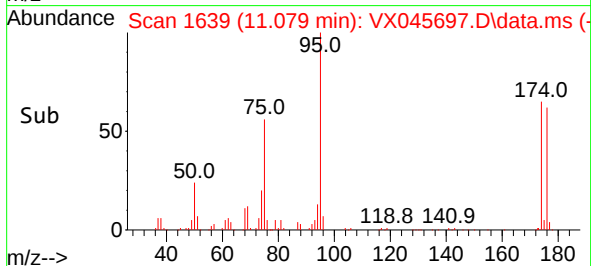
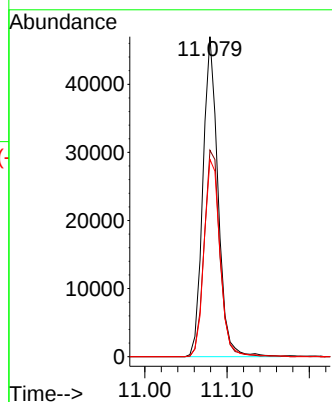
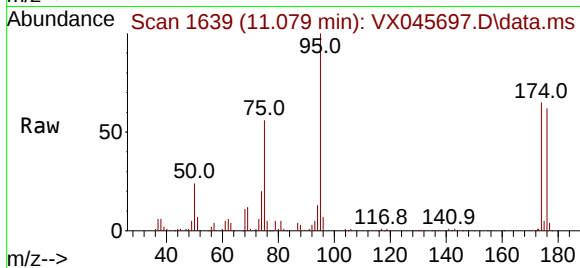




#62
4-Bromofluorobenzene
Concen: 54.356 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

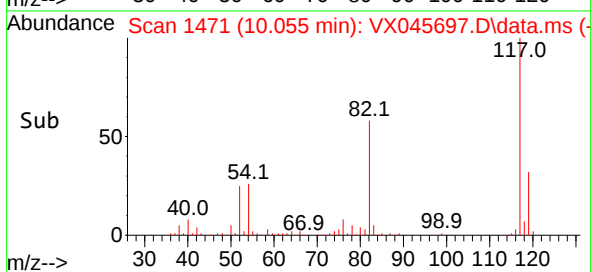
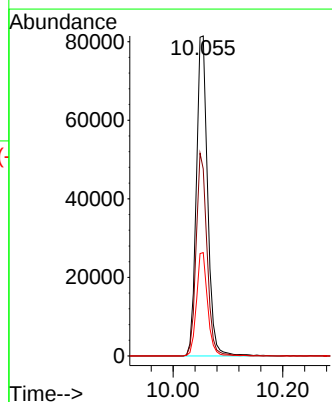
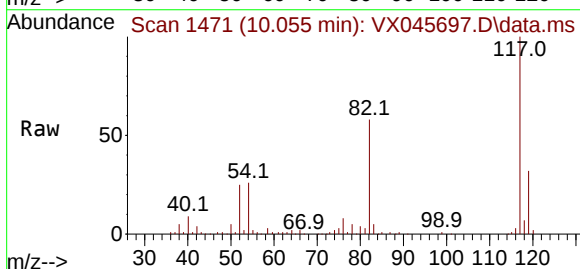
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

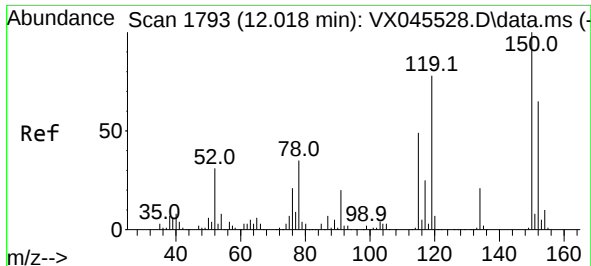
Tgt Ion: 95 Resp: 60068
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.8
176 65.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 117 Resp: 116892
Ion Ratio Lower Upper
117 100
82 58.5 49.2 73.8
119 32.3 25.1 37.7

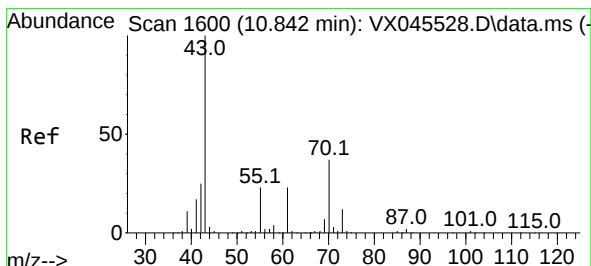
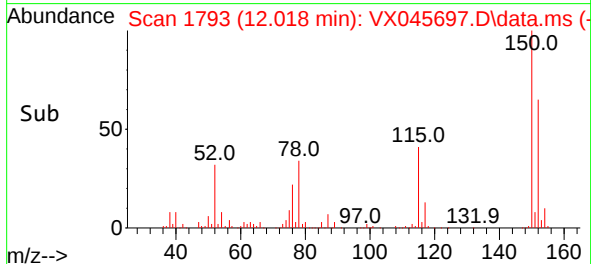
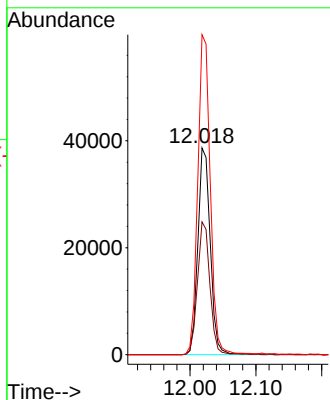
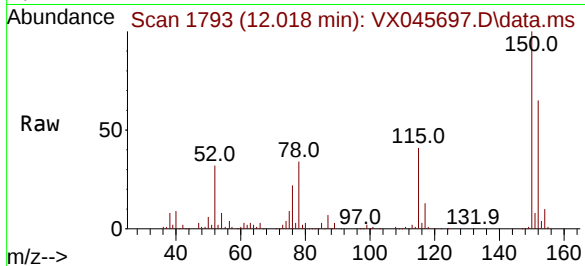




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

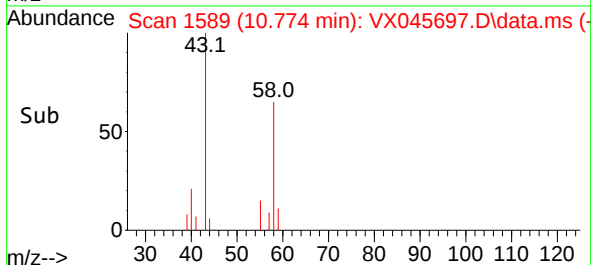
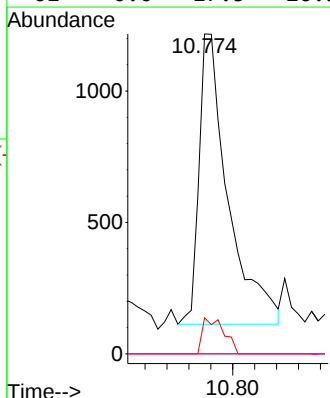
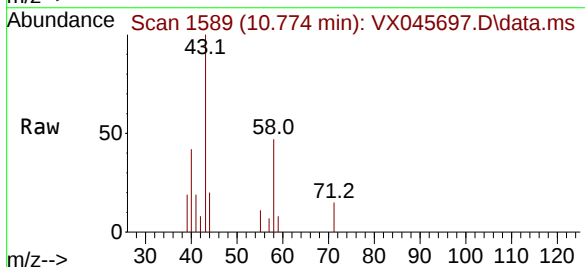
Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

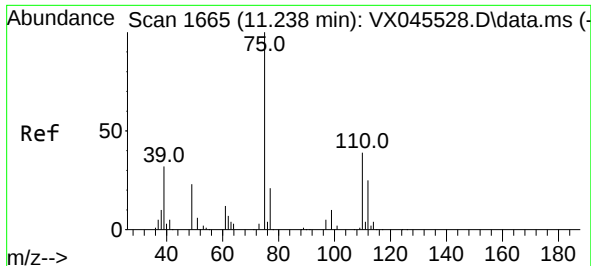
Tgt Ion:152 Resp: 50571
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 155.9 0.0 349.4



#74
N-ethyl acetate
Concen: 1.045 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 43 Resp: 2024
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 9.2 18.3 27.5#
61 0.0 17.5 26.3#

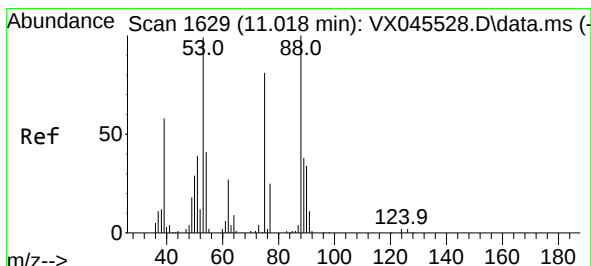
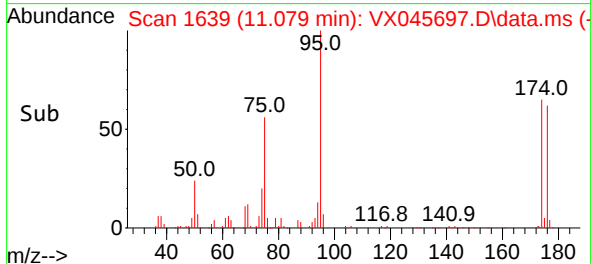
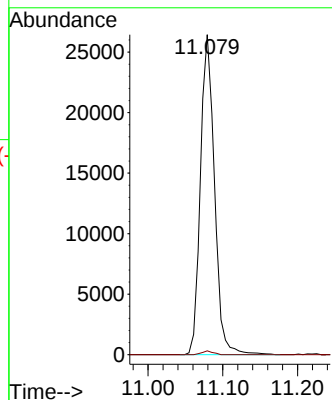
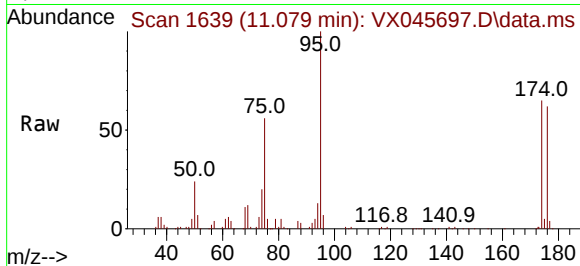




#76
1,2,3-Trichloropropane
Concen: 28.019 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
PB167534ZHE#03

Tgt Ion: 75 Resp: 34563
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045697.D
Acq: 10 Apr 2025 14:36

Tgt Ion: 75 Resp: 34563
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.2 37.2 55.8#

