

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040425\
 Data File : VX045602.D
 Acq On : 04 Apr 2025 16:19
 Operator : JC/MD
 Sample : PB167448ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#01

Quant Time: Apr 04 23:13:18 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

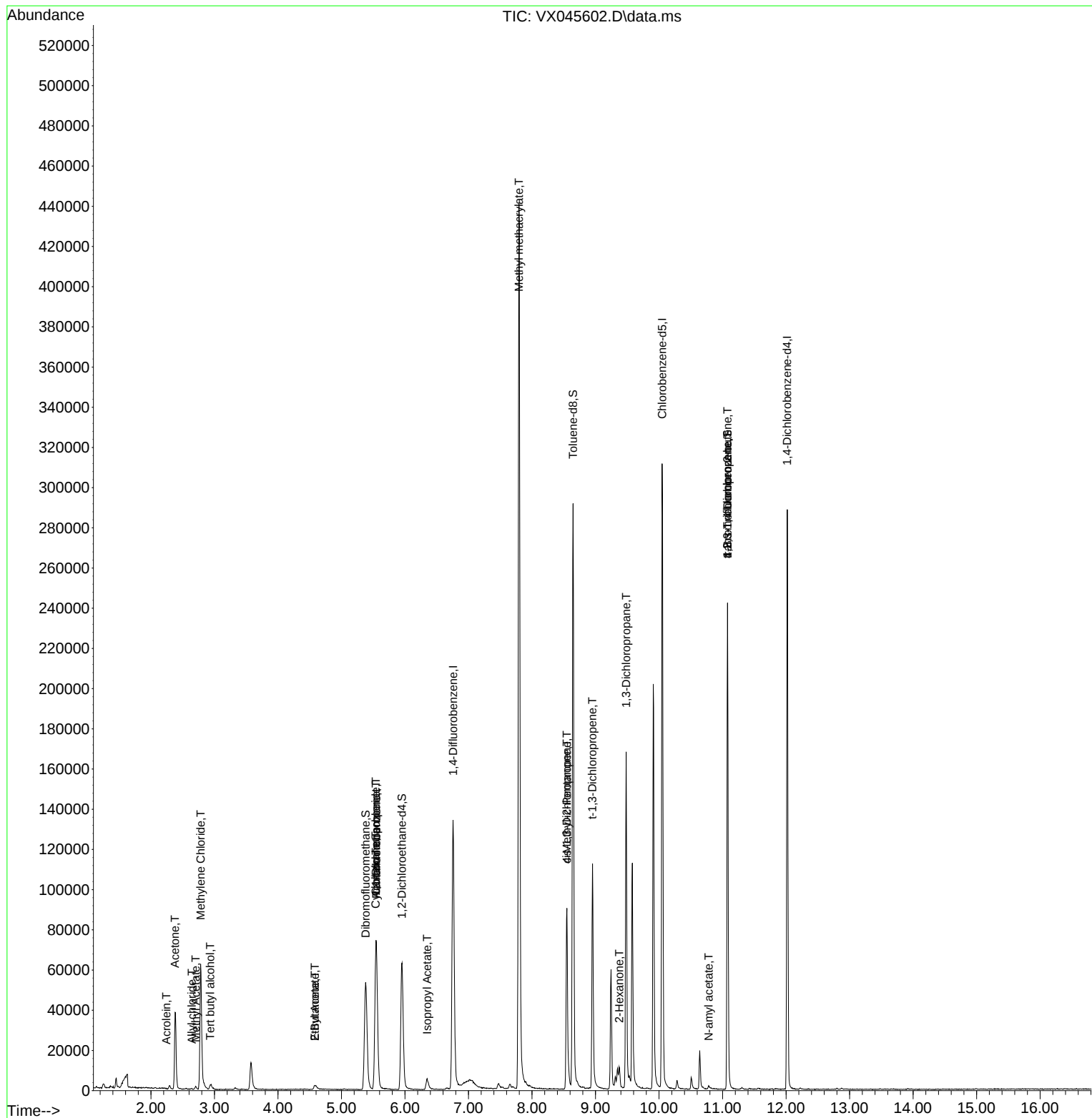
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

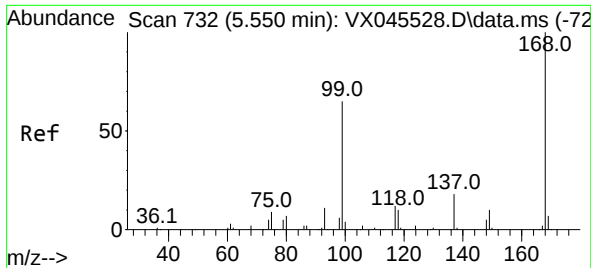
Internal Standards						
1) Pentafluorobenzene	5.550	168	63873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129113	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65127	55.756	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.520%	
35) Dibromofluoromethane	5.379	113	46585	50.854	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.700%	
50) Toluene-d8	8.647	98	164588	51.476	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	11.079	95	61746	53.017	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	1968	12.537	ug/l #	72
13) Acrolein	2.239	56	114	0.527	ug/l #	15
14) Allyl chloride	2.642	41	328	0.225	ug/l #	54
16) Acetone	2.380	43	43329	90.336	ug/l	100
18) Methyl Acetate	2.703	43	1919	1.738	ug/l #	84
20) Methylene Chloride	2.782	84	28497	31.736	ug/l	96
25) 2-Butanone	4.580	43	4407	6.277	ug/l #	83
31) Cyclohexane	5.537	56	1830	1.277	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	6526	5.276	ug/l #	47
37) Ethyl Acetate	4.580	43	4407	2.827	ug/l #	71
38) Carbon Tetrachloride	5.544	117	7635	5.712	ug/l #	15
43) Isopropyl Acetate	6.348	43	7598	3.216	ug/l	97
48) Methyl methacrylate	7.793	41	45261	37.106	ug/l #	50
51) 4-Methyl-2-Pentanone	8.549	43	37132	23.710	ug/l #	53
53) t-1,3-Dichloropropene	8.951	75	228	2.446	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13297	9.793	ug/l #	73
57) 1,3-Dichloropropane	9.482	76	1195	0.753	ug/l #	42
59) 2-Hexanone	9.372	43	9131	7.873	ug/l #	28
74) N-amyl acetate	10.780	43	1318	0.671	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	36332	29.071	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36332	98.663	ug/l #	1

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

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MSVOA_X
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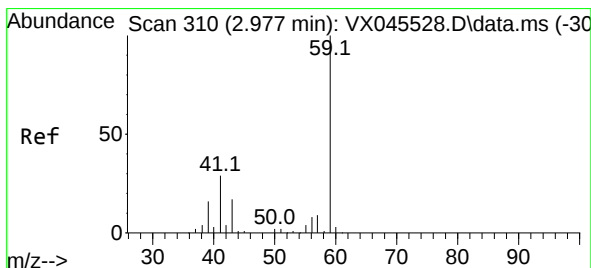
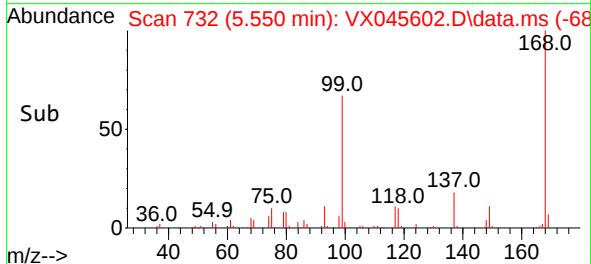
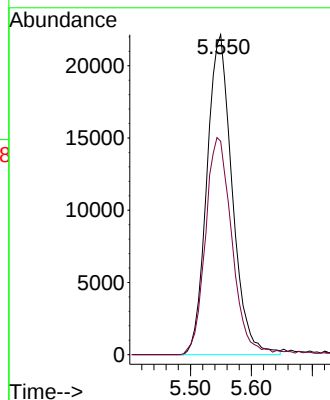
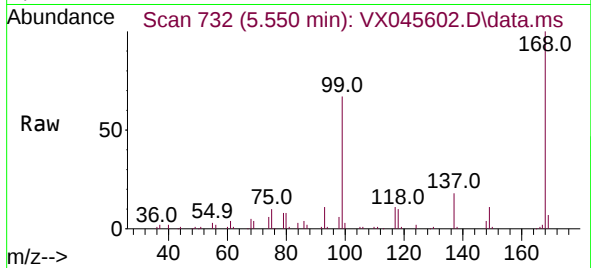




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

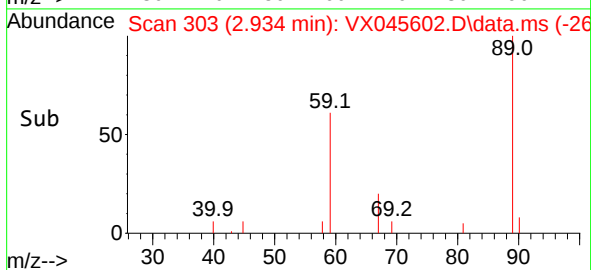
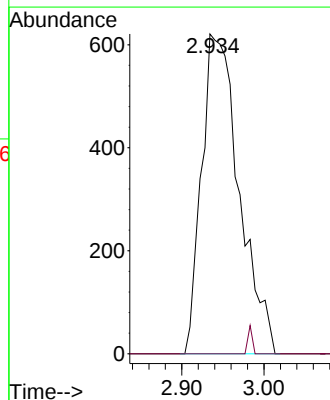
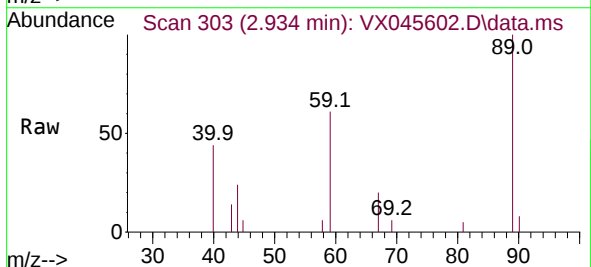
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

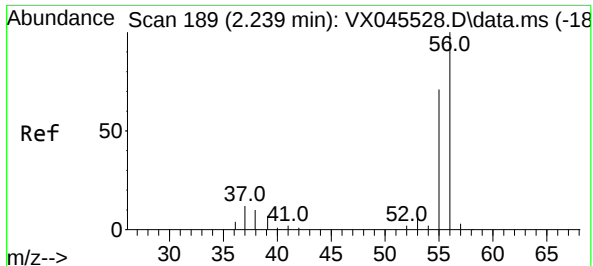
Tgt Ion:168 Resp: 63873
Ion Ratio Lower Upper
168 100
99 66.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 12.537 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.043 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 59 Resp: 1968
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

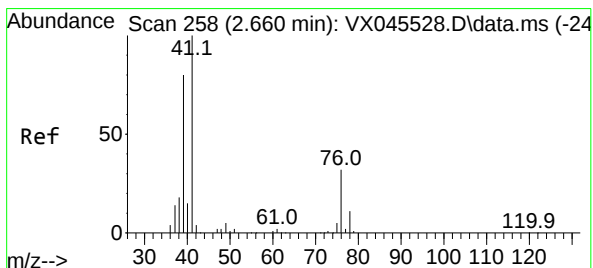
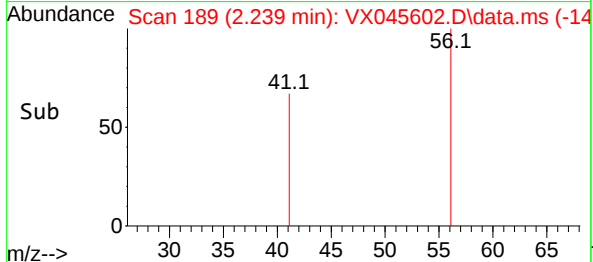
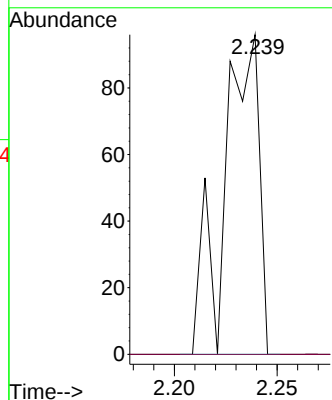
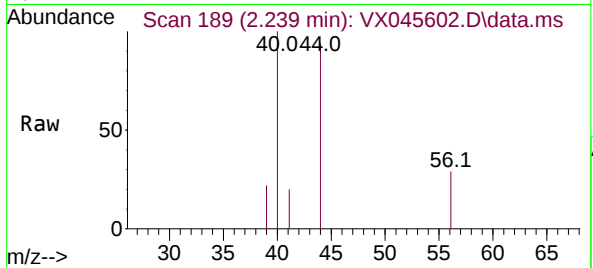




#13
Acrolein
Concen: 0.527 ug/l
RT: 2.239 min Scan# 114
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

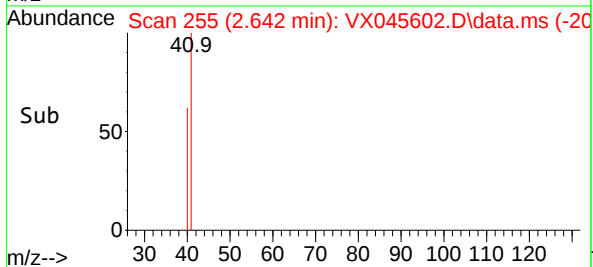
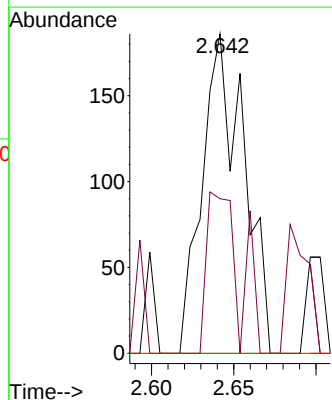
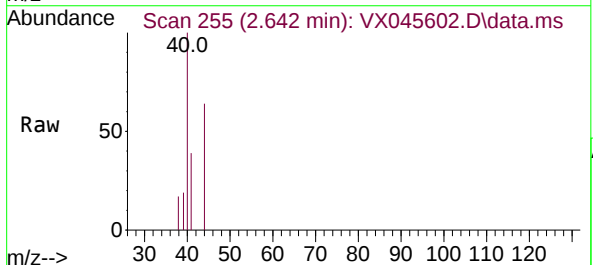
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

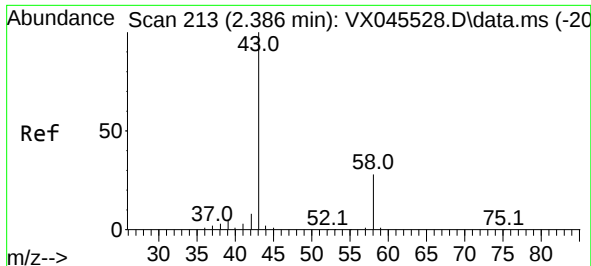
Tgt Ion: 56 Resp: 114
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#14
Allyl chloride
Concen: 0.225 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.018 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 41 Resp: 328
Ion Ratio Lower Upper
41 100
39 39.6 60.2 90.2#
76 0.0 24.6 36.8#

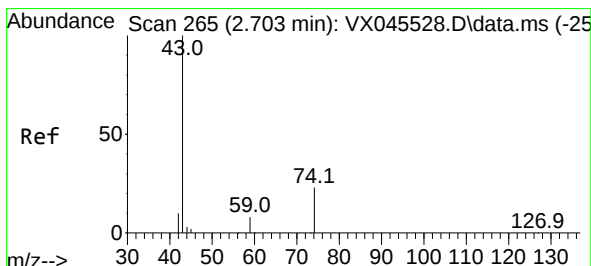
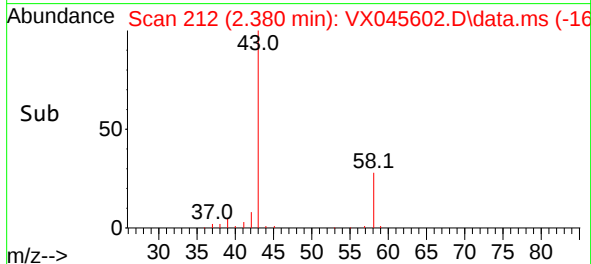
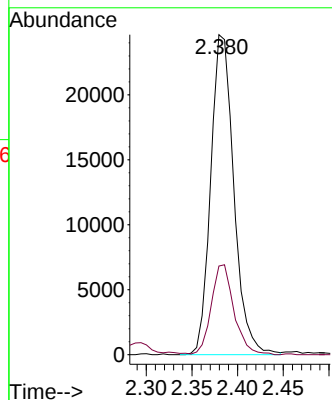
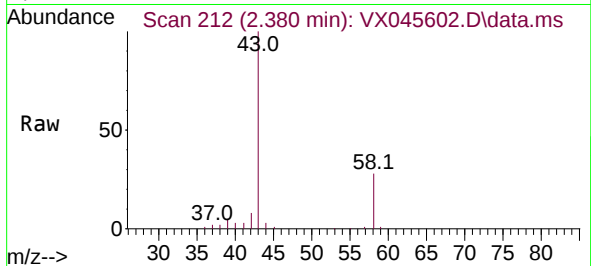




#16
Acetone
Concen: 90.336 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

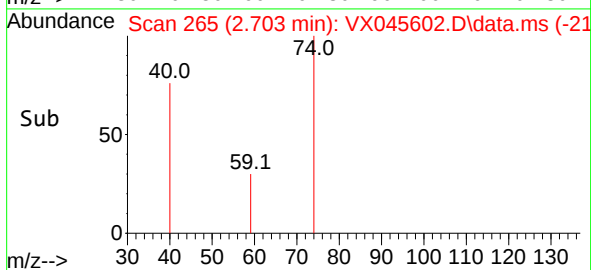
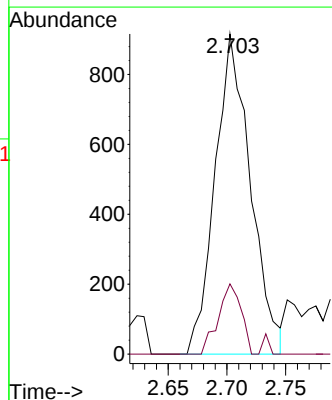
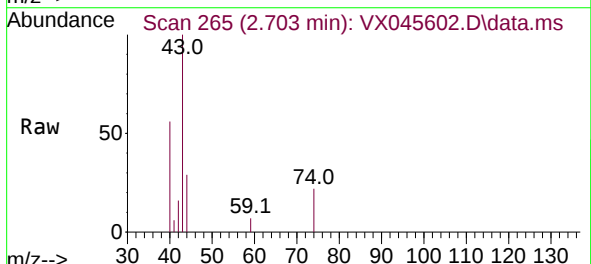
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

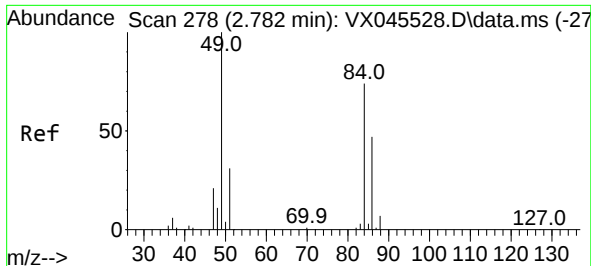
Tgt Ion: 43 Resp: 43329
Ion Ratio Lower Upper
43 100
58 27.7 22.3 33.5



#18
Methyl Acetate
Concen: 1.738 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
74 14.2 17.5 26.3#

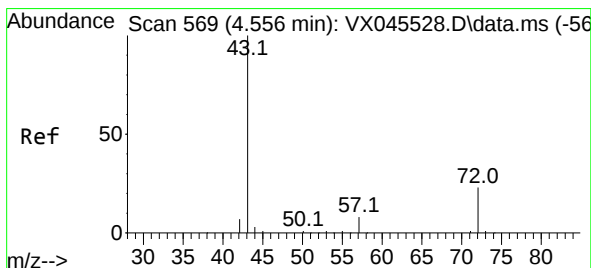
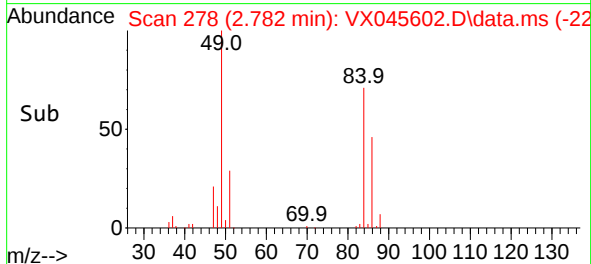
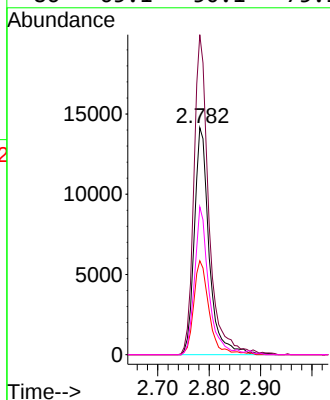
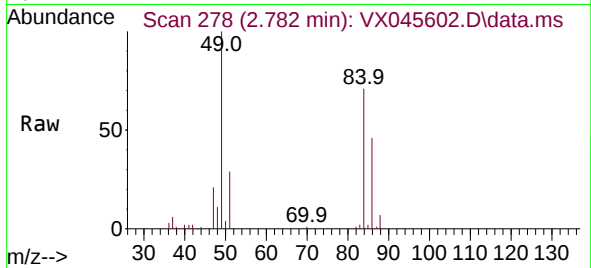




#20
Methylene Chloride
Concen: 31.736 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

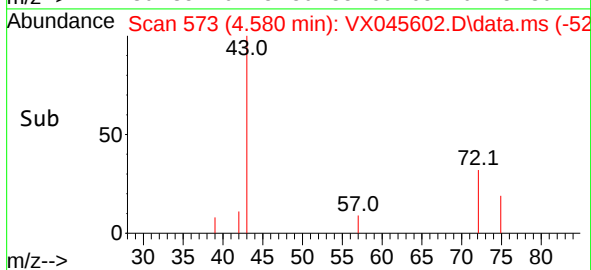
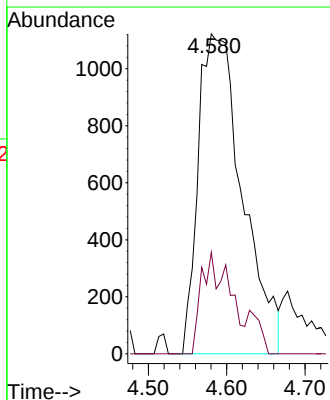
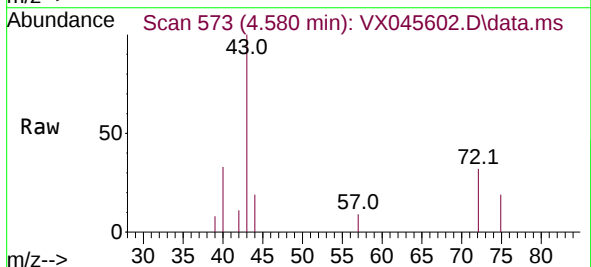
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

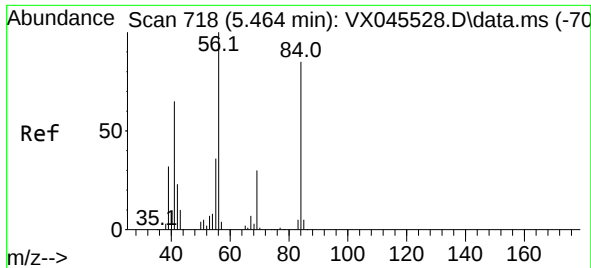
Tgt Ion:	84	Resp:	28497
Ion	Ratio	Lower	Upper
84	100		
49	140.9	107.5	161.3
51	41.4	33.0	49.6
86	65.1	50.1	75.1



#25
2-Butanone
Concen: 6.277 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

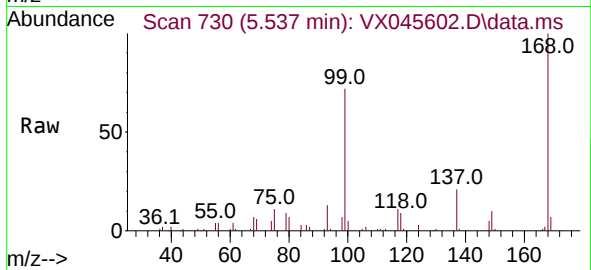
Tgt Ion:	43	Resp:	4407
Ion	Ratio	Lower	Upper
43	100		
72	31.7	18.6	28.0#



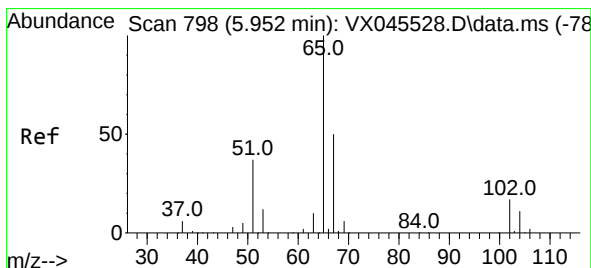
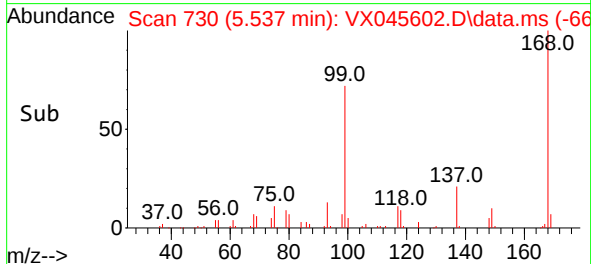
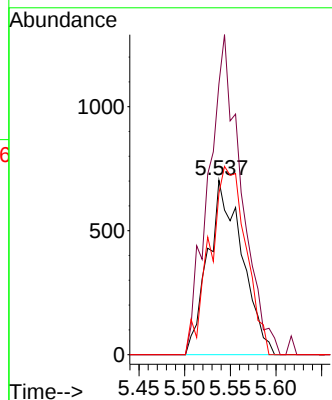


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Instrument :
MSVOA_X
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PB167448ZHE#01

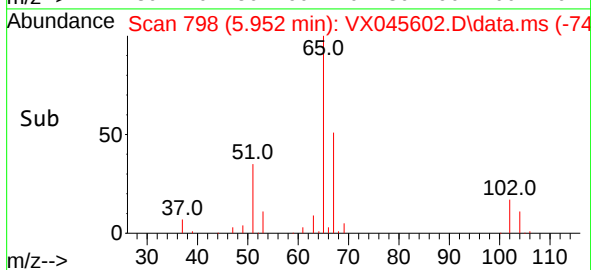
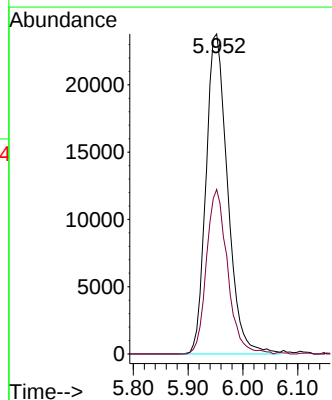
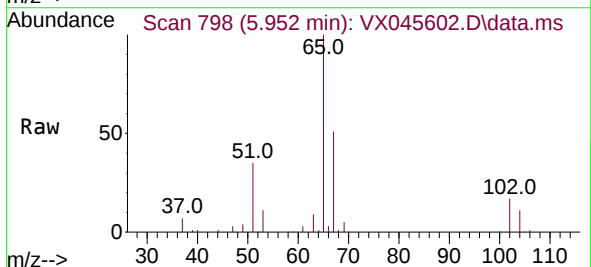


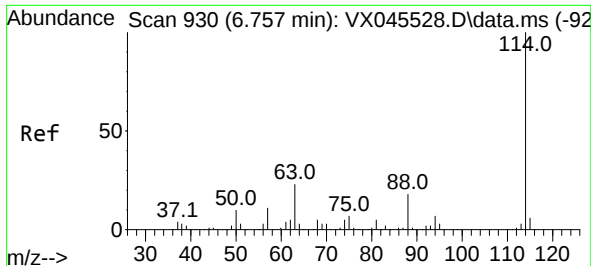
Tgt Ion: 56 Resp: 1830
Ion Ratio Lower Upper
56 100
69 155.2 23.6 35.4#
84 92.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.756 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 65 Resp: 65127
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.0

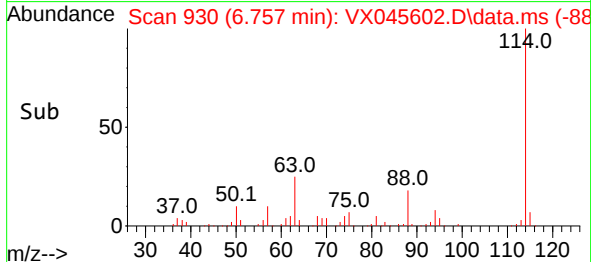
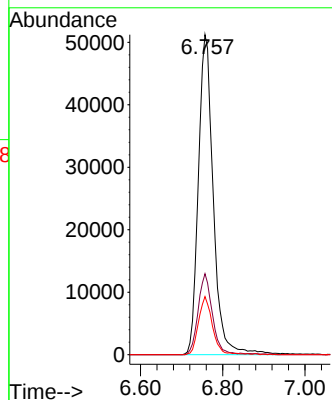
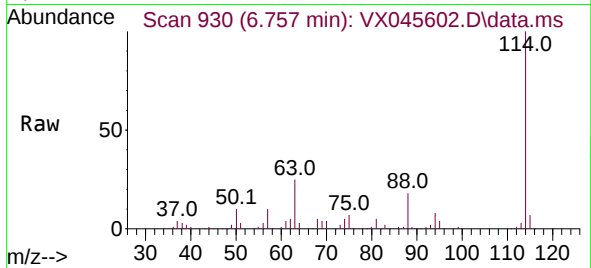




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

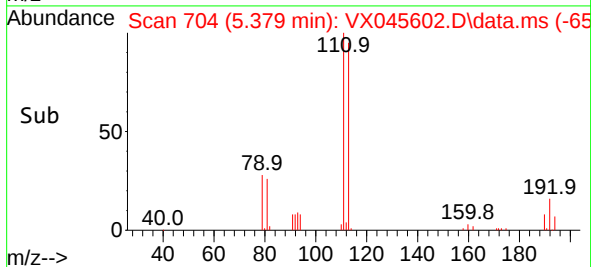
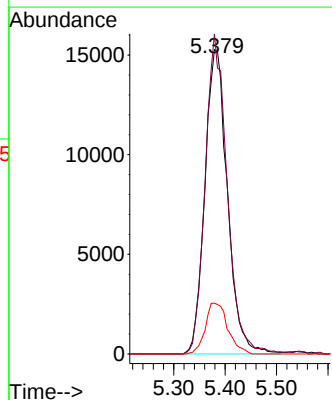
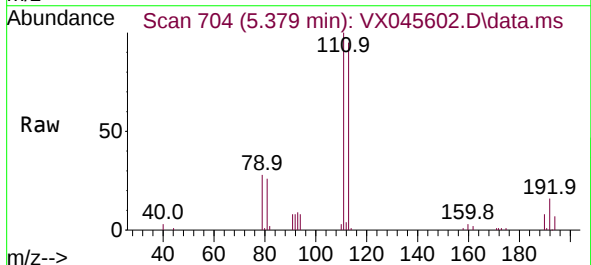
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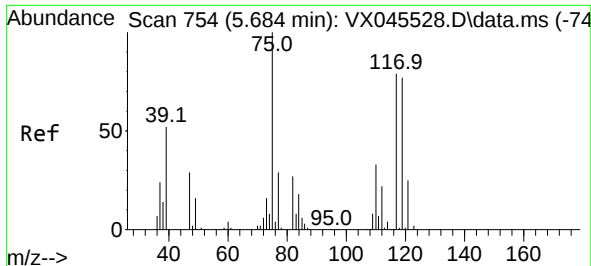
Tgt Ion:114 Resp: 129113
Ion Ratio Lower Upper
114 100
63 25.3 0.0 46.8
88 18.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.854 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion:113 Resp: 46585
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 16.6 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.276 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045602.D

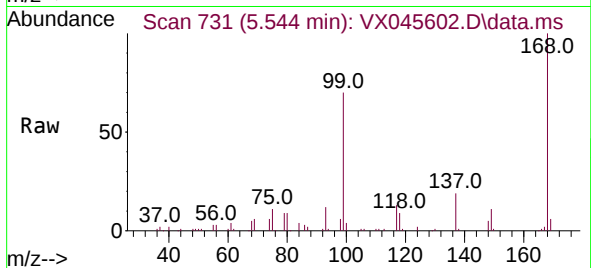
Acq: 04 Apr 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#01



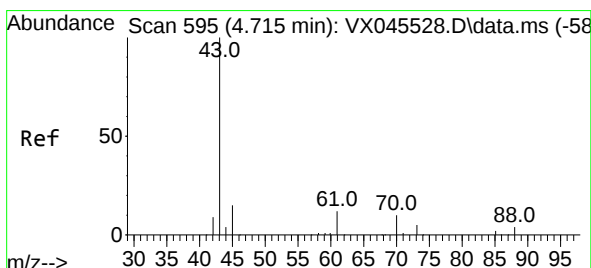
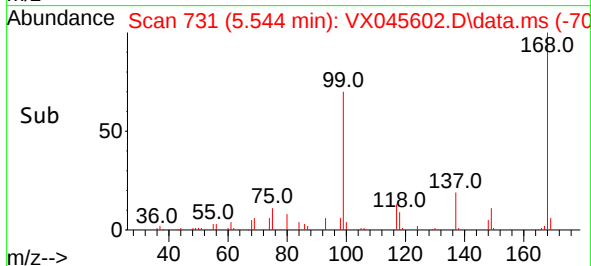
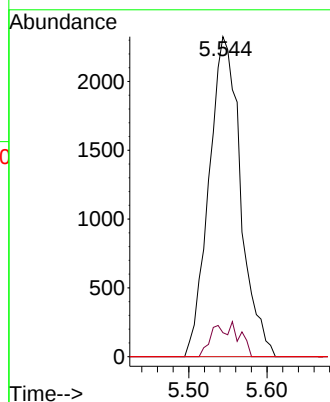
Tgt Ion: 75 Resp: 6526

Ion Ratio Lower Upper

75 100

110 5.2 16.9 50.6#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 2.827 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.134 min

Lab File: VX045602.D

Acq: 04 Apr 2025 16:19

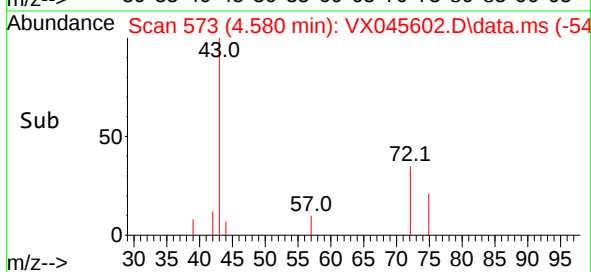
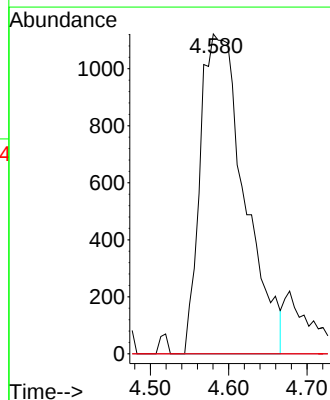
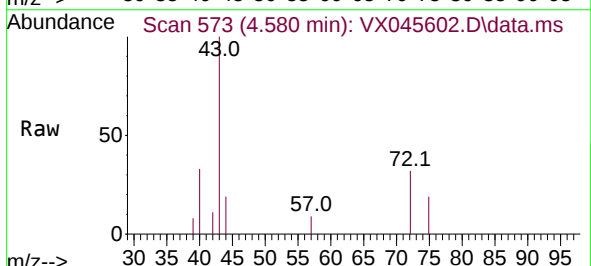
Tgt Ion: 43 Resp: 4407

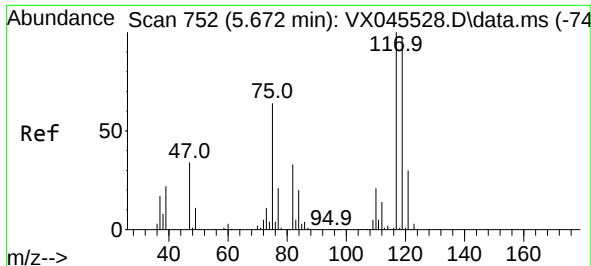
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

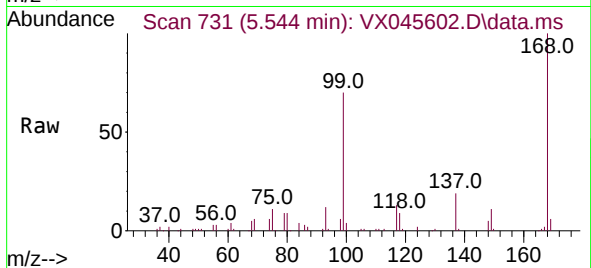
70 0.0 7.5 11.3#



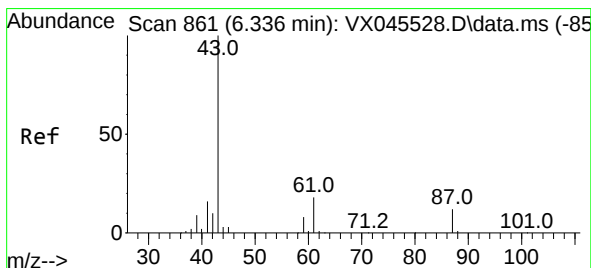
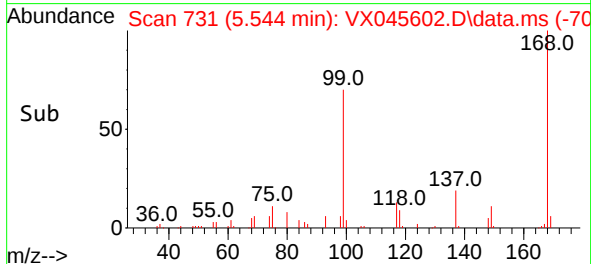
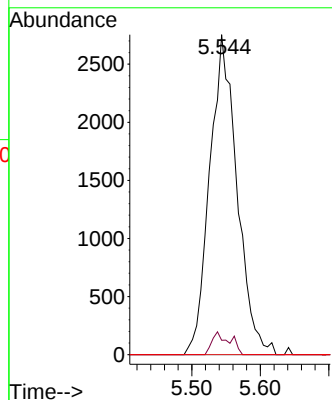


#38
Carbon Tetrachloride
Concen: 5.712 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

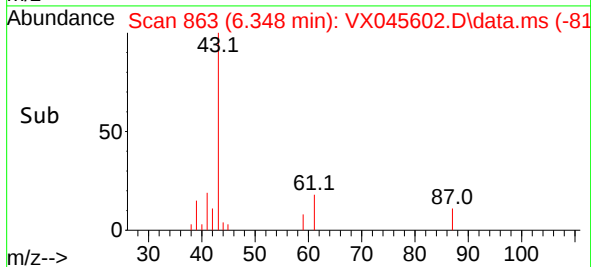
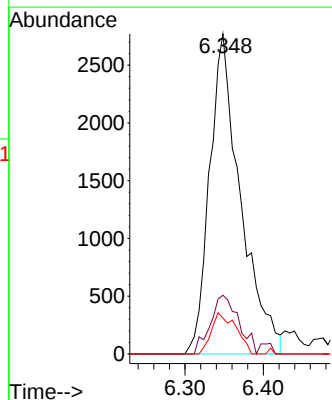
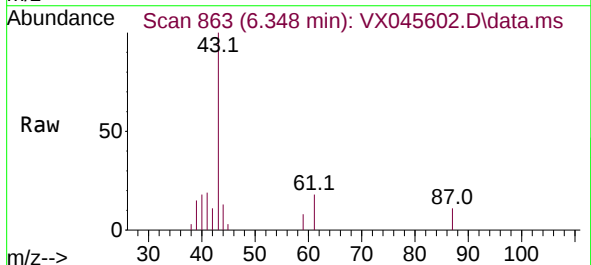


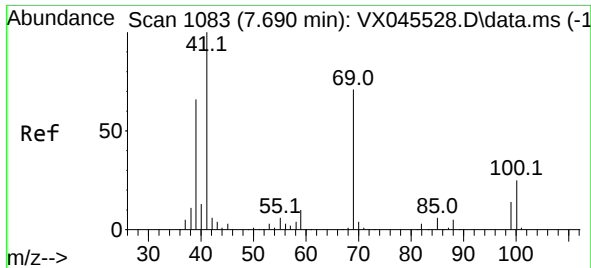
Tgt Ion:117 Resp: 7635
Ion Ratio Lower Upper
117 100
119 4.5 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.216 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 43 Resp: 7598
Ion Ratio Lower Upper
43 100
61 16.7 14.1 21.1
87 10.2 9.2 13.8

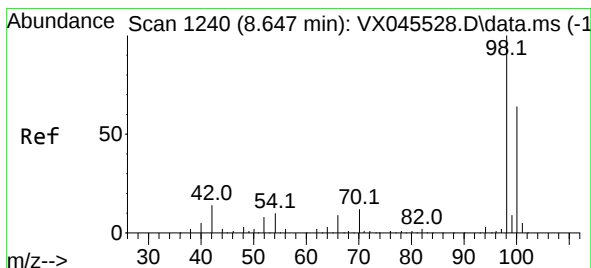
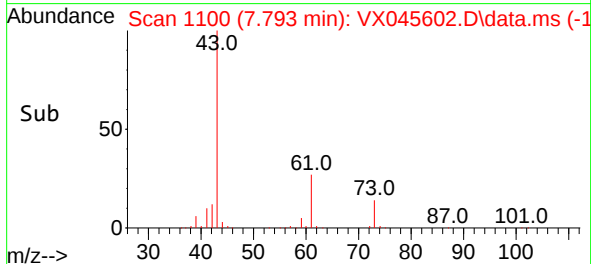
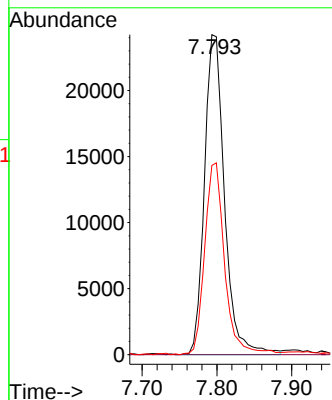
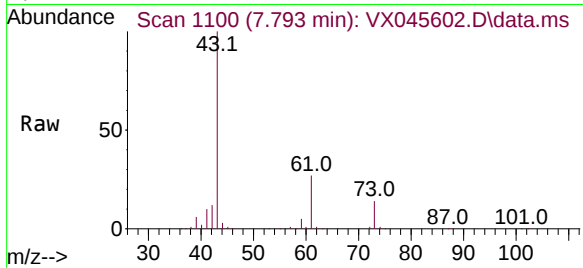




#48
Methyl methacrylate
Concen: 37.106 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

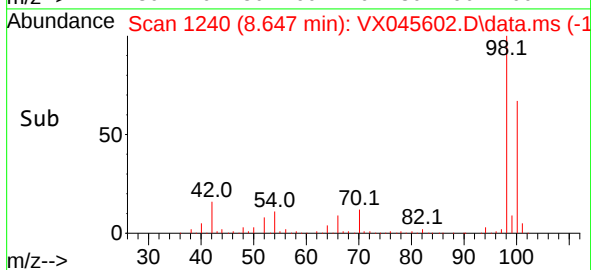
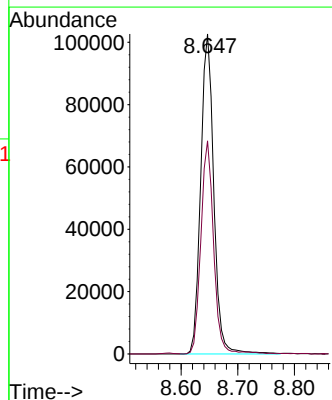
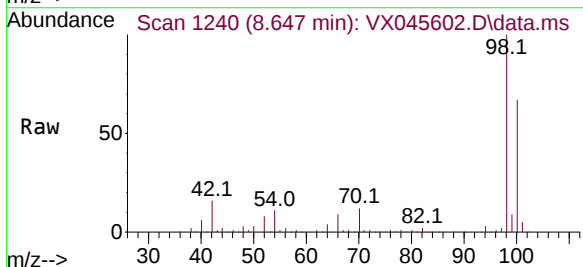
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

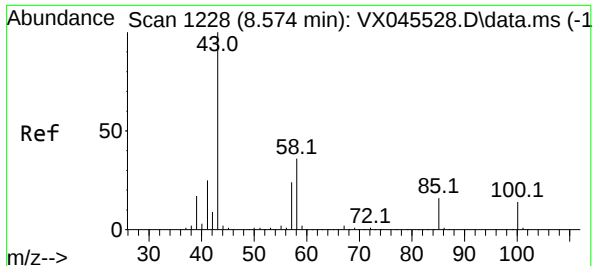
Tgt Ion: 41 Resp: 45261
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.6 53.6 80.4



#50
Toluene-d8
Concen: 51.476 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 98 Resp: 164588
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

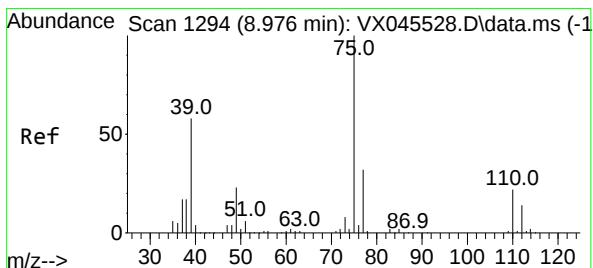
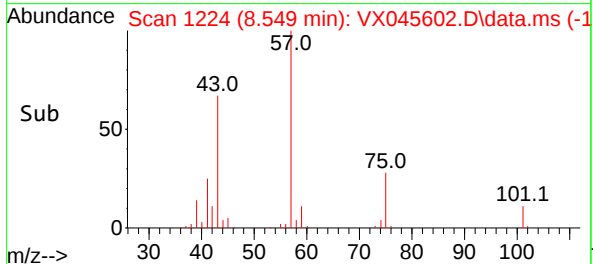
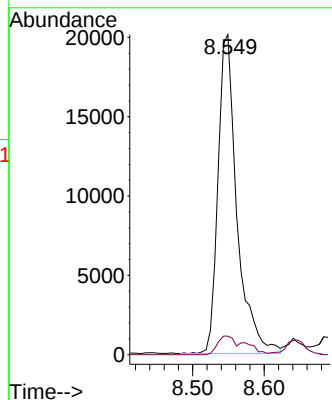
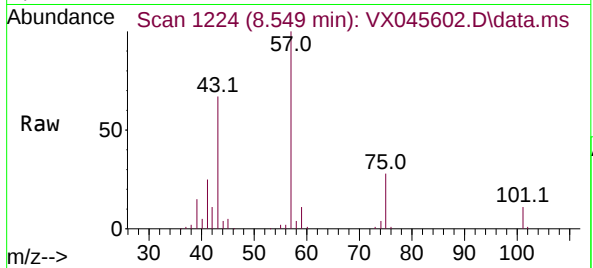




#51
4-Methyl-2-Pentanone
Concen: 23.710 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

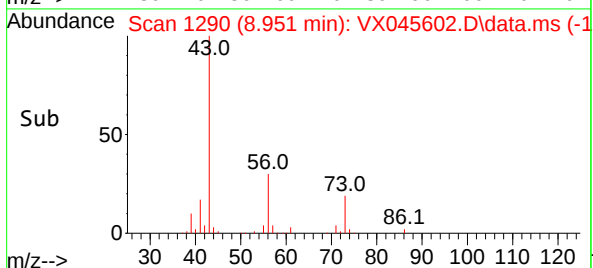
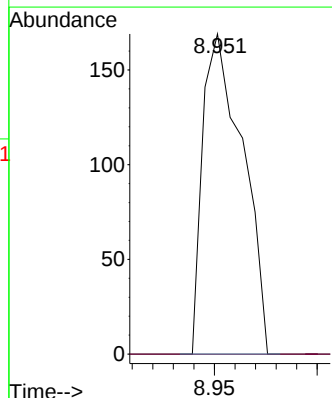
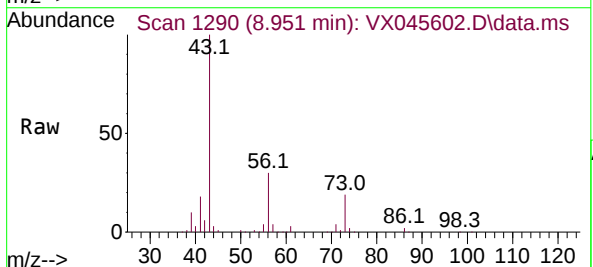
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

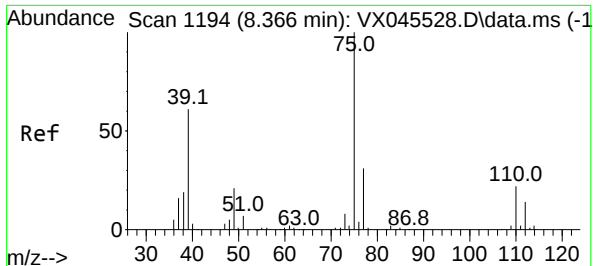
Tgt Ion: 43 Resp: 37132
Ion Ratio Lower Upper
43 100
58 8.3 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.446 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 75 Resp: 228
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

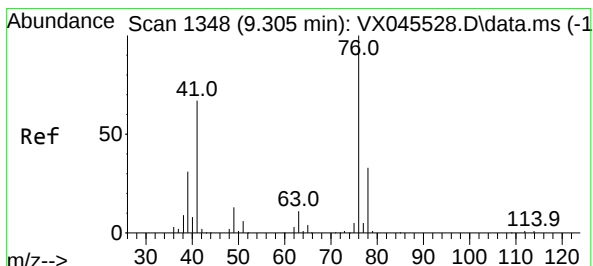
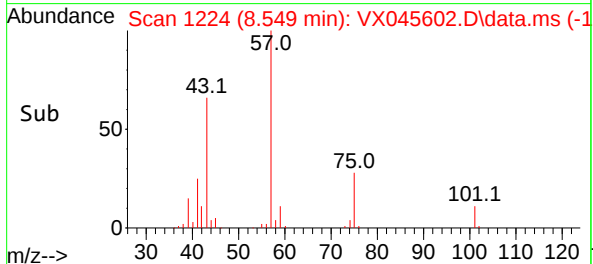
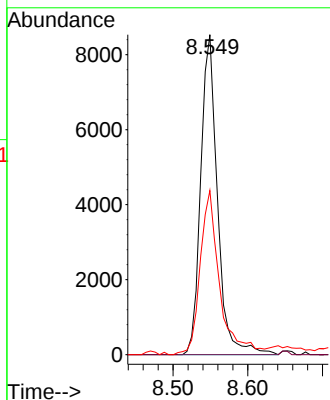
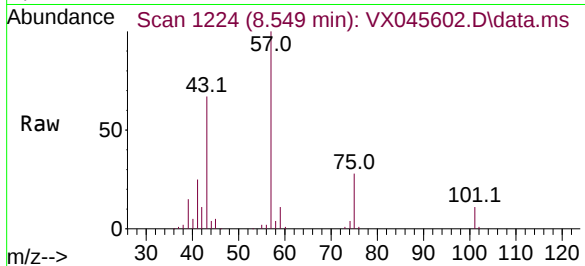




#54
 cis-1,3-Dichloropropene
 Concen: 9.793 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045602.D
 Acq: 04 Apr 2025 16:19

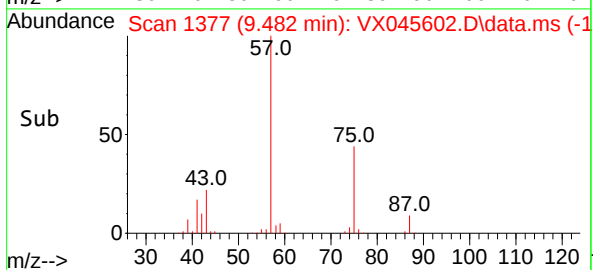
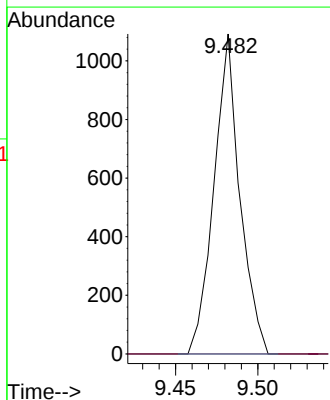
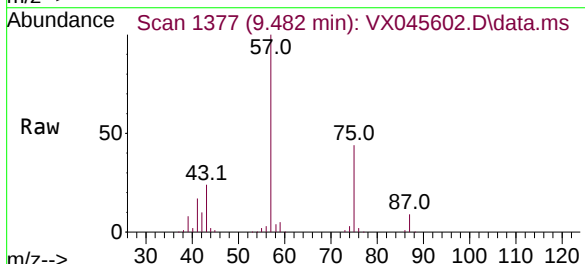
Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#01

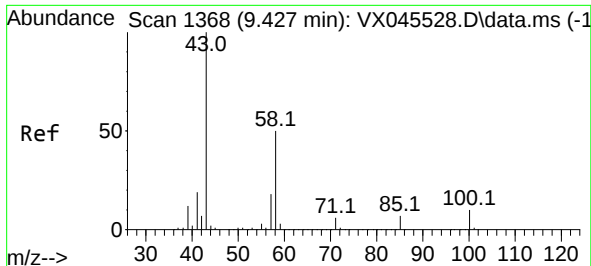
Tgt Ion: 75 Resp: 13297
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 50.6 48.4 72.6



#57
 1,3-Dichloropropane
 Concen: 0.753 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX045602.D
 Acq: 04 Apr 2025 16:19

Tgt Ion: 76 Resp: 1195
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

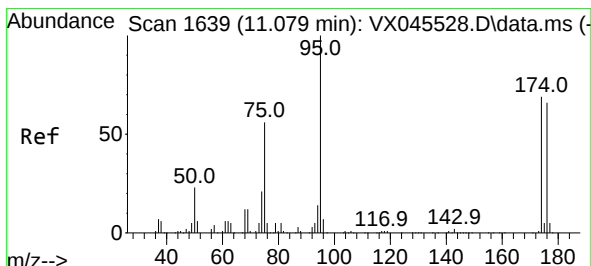
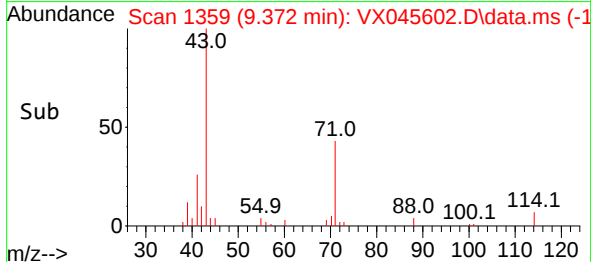
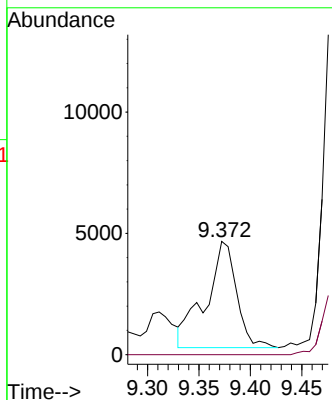
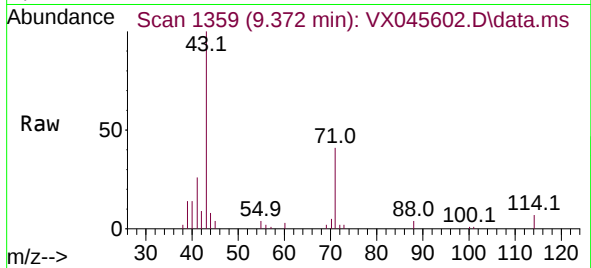




#59
2-Hexanone
Concen: 7.873 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

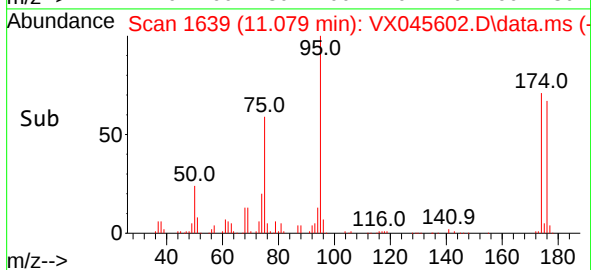
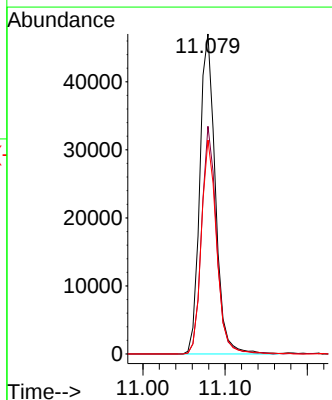
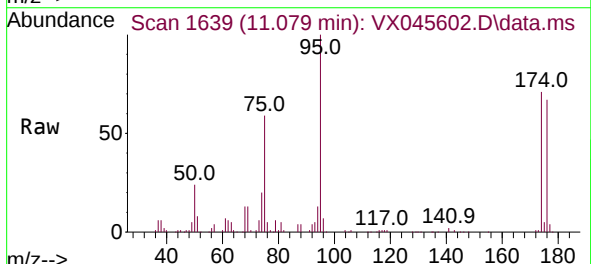
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

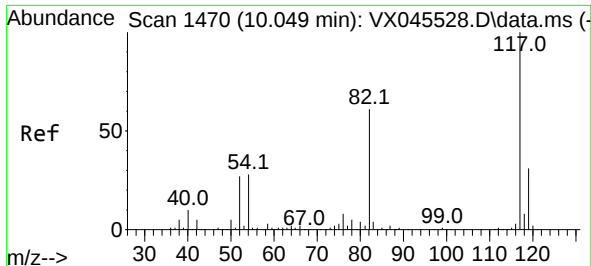
Tgt Ion: 43 Resp: 9131
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 53.017 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion: 95 Resp: 61746
Ion Ratio Lower Upper
95 100
174 68.3 0.0 135.8
176 66.0 0.0 131.4

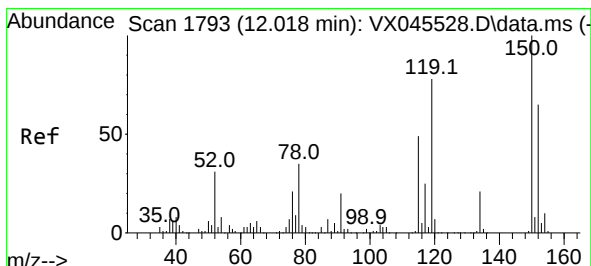
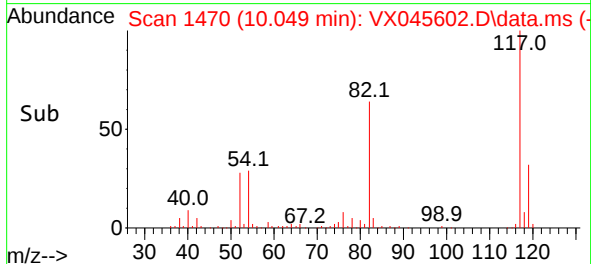
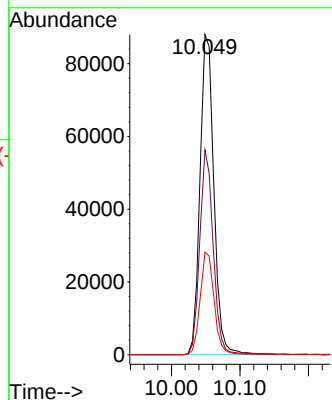
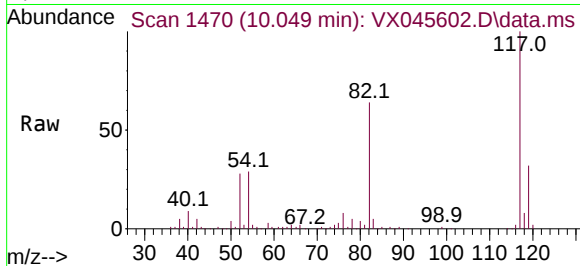




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

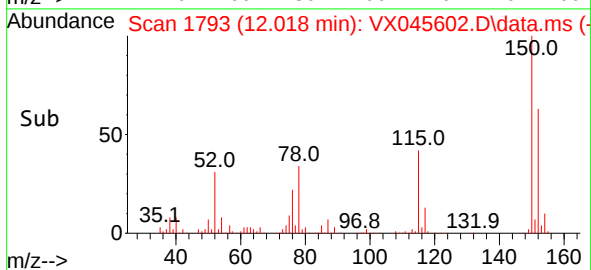
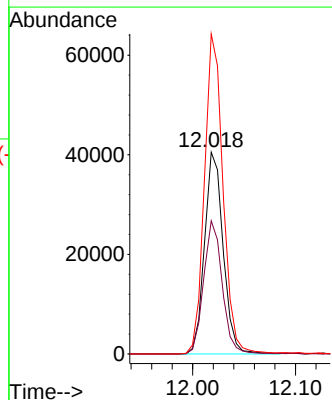
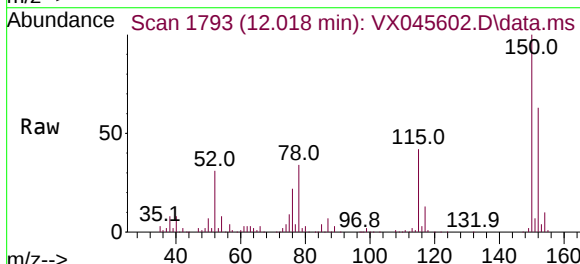
Instrument :
MSVOA_X
ClientSampleId :
PB167448ZHE#01

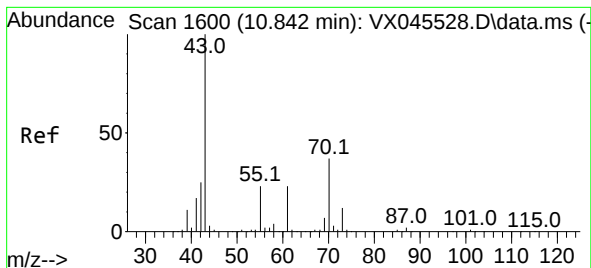
Tgt Ion:117 Resp: 124239
Ion Ratio Lower Upper
117 100
82 64.0 49.2 73.8
119 32.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045602.D
Acq: 04 Apr 2025 16:19

Tgt Ion:152 Resp: 51236
Ion Ratio Lower Upper
152 100
115 65.6 46.9 140.7
150 157.4 0.0 349.4





#74

N-amy1 acetate

Concen: 0.671 ug/l

RT: 10.780 min Scan# 1639

Delta R.T. -0.061 min

Lab File: VX045602.D

Acq: 04 Apr 2025 16:19

Instrument :

MSVOA_X

ClientSampleId :

PB167448ZHE#01

Tgt Ion: 43 Resp: 1318

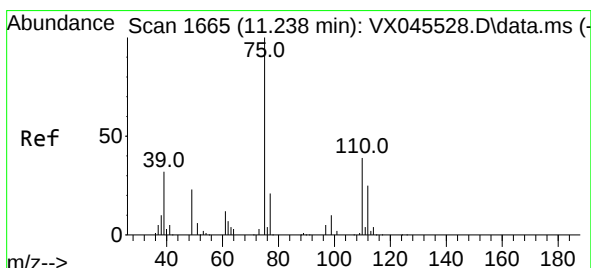
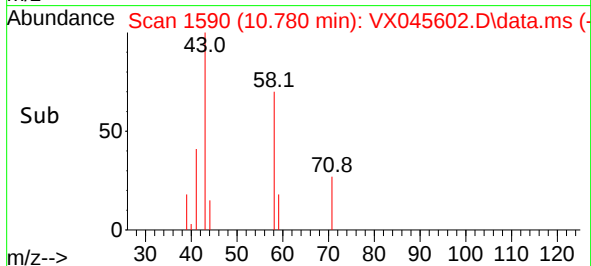
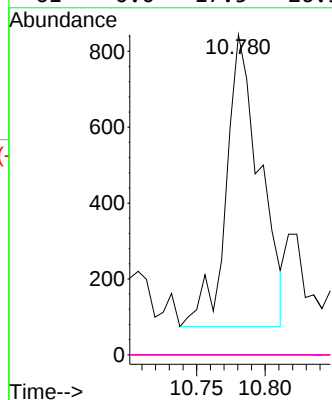
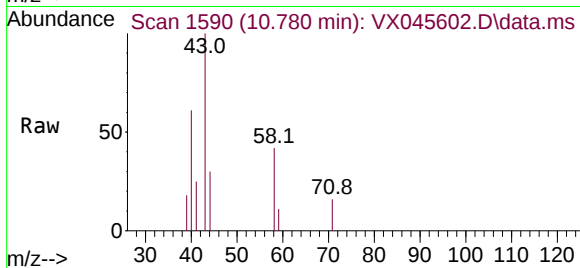
Ion Ratio Lower Upper

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: 29.071 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045602.D

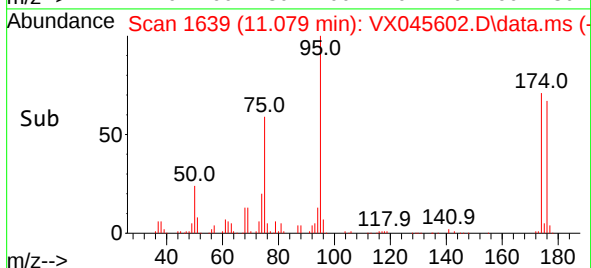
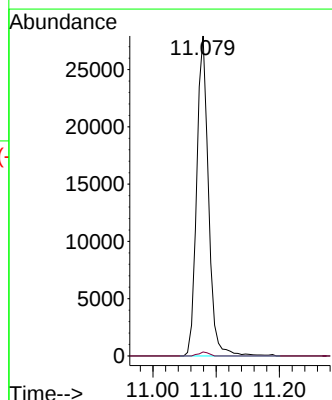
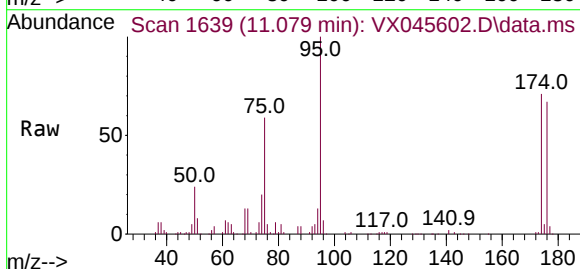
Acq: 04 Apr 2025 16:19

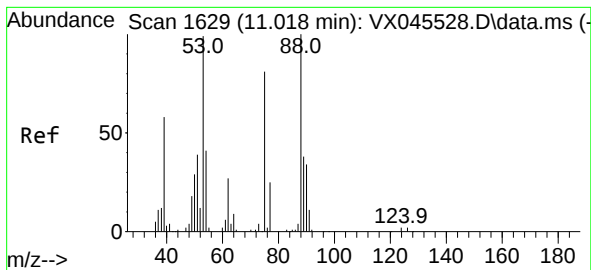
Tgt Ion: 75 Resp: 36332

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.663 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045602.D
 Acq: 04 Apr 2025 16:19

Instrument :
 MSVOA_X
 ClientSampleId :
 PB167448ZHE#01

Tgt Ion: 75 Resp: 36332
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

