

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX043025\
 Data File : VX046002.D
 Acq On : 30 Apr 2025 16:50
 Operator : JC/MD
 Sample : Q1906-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-7

Quant Time: May 01 03:38:32 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)

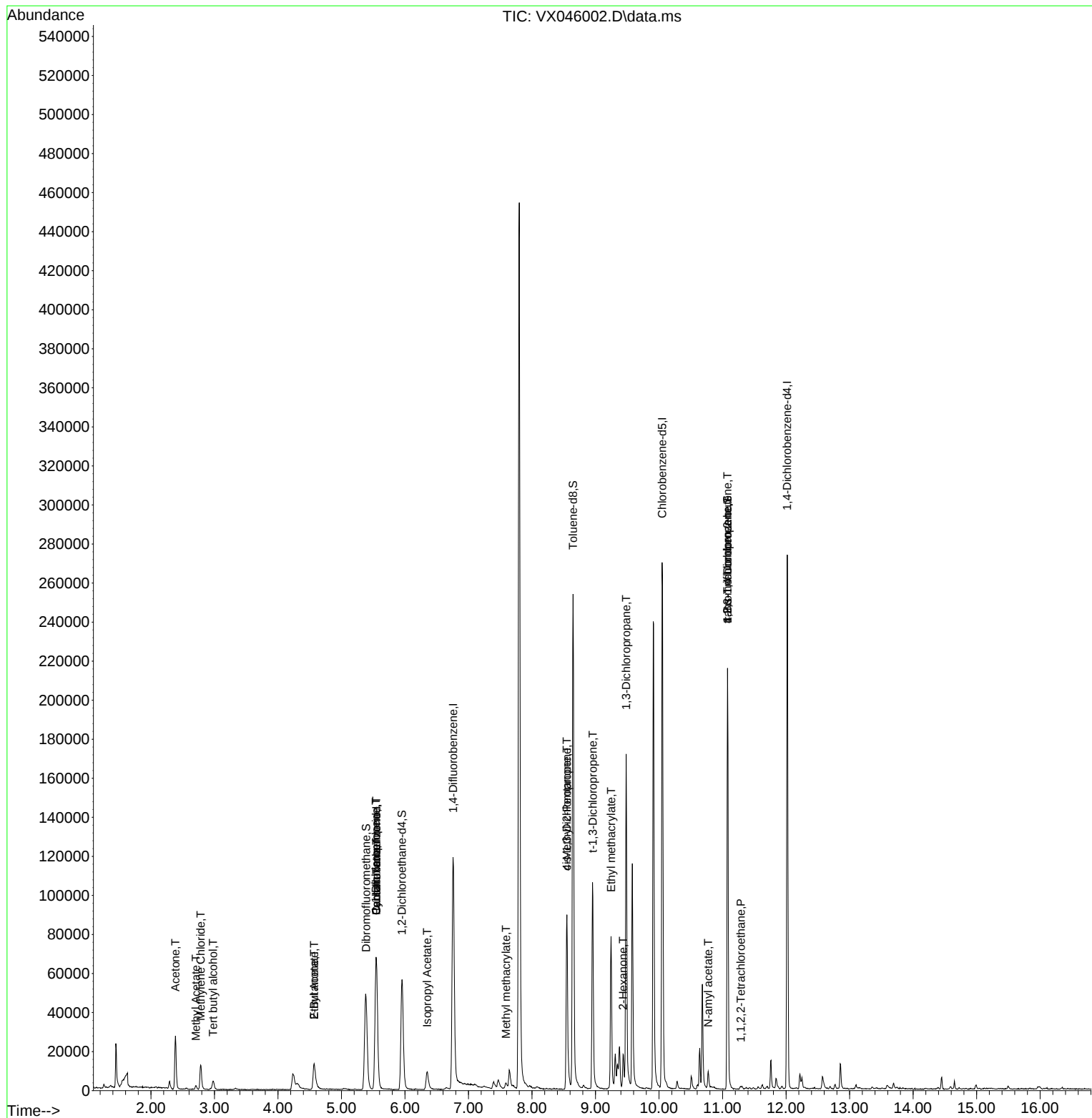
Internal Standards						
1) Pentafluorobenzene	5.550	168	58345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48684	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57981	54.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.680%			
35) Dibromofluoromethane	5.385	113	42106	51.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.360%			
50) Toluene-d8	8.647	98	147959	52.029	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.060%			
62) 4-Bromofluorobenzene	11.079	95	58253	56.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.480%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.977	59	4738	33.042	ug/l	99
16) Acetone	2.386	43	29063	66.334	ug/l	98
18) Methyl Acetate	2.709	43	2568	2.546	ug/l	94
20) Methylene Chloride	2.782	84	5706	6.957	ug/l	93
25) 2-Butanone	4.568	43	25713	40.093	ug/l	96
31) Cyclohexane	5.550	56	1881	1.437	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	5749	5.226	ug/l #	51
37) Ethyl Acetate	4.568	43	25713	18.548	ug/l #	71
38) Carbon Tetrachloride	5.550	117	6844	5.757	ug/l #	16
43) Isopropyl Acetate	6.348	43	13757	6.547	ug/l	97
48) Methyl methacrylate	7.592	41	1545	1.424	ug/l #	47
51) 4-Methyl-2-Pentanone	8.549	43	36691	26.342	ug/l #	53
53) t-1,3-Dichloropropene	8.958	75	189	2.435	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	13930	11.535	ug/l #	64
56) Ethyl methacrylate	9.244	69	273	0.218	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1506	1.068	ug/l #	42
59) 2-Hexanone	9.433	43	11078	10.740	ug/l	90
74) N-amyl acetate	10.775	43	5282	2.832	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.287	83	354	0.258	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	32783	27.606	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32783	93.692	ug/l #	1

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

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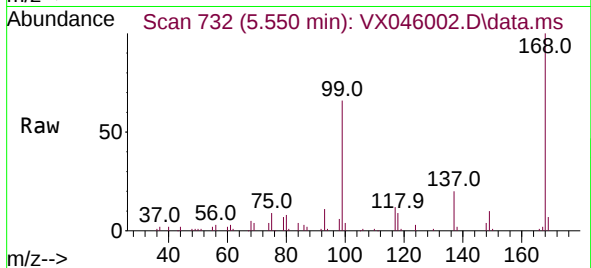
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
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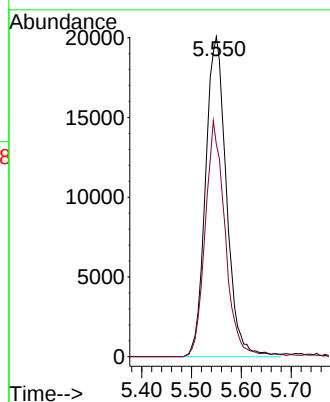
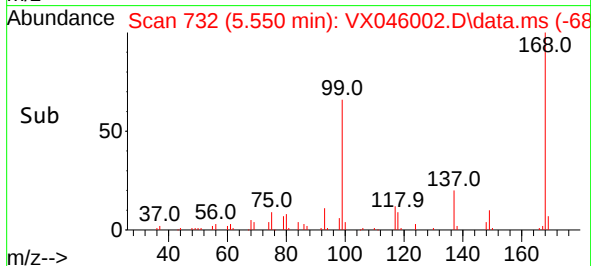


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Instrument :
MSVOA_X
ClientSampleId :
WC-7

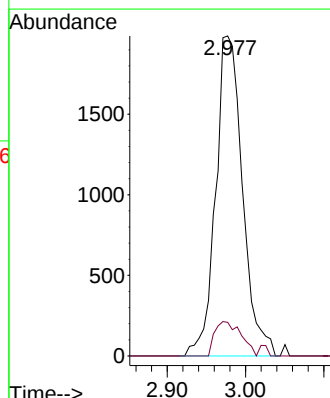
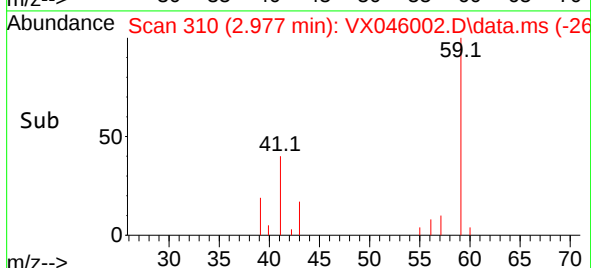
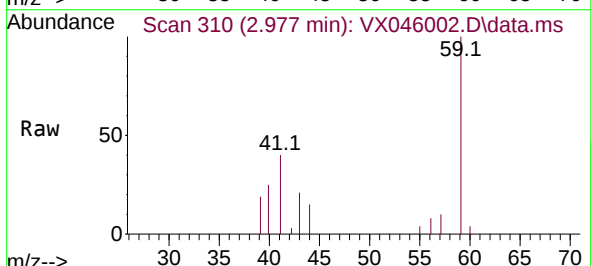


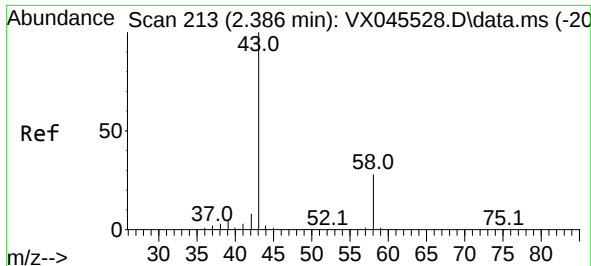
Tgt Ion:168 Resp: 58345
Ion Ratio Lower Upper
168 100
99 66.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 33.042 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 59 Resp: 4738
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

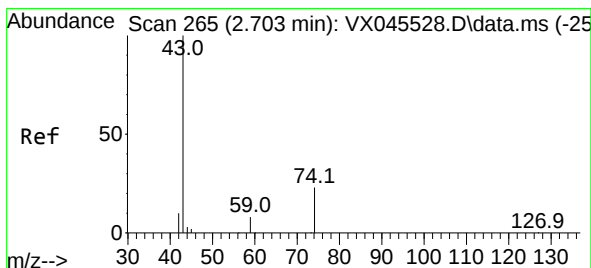
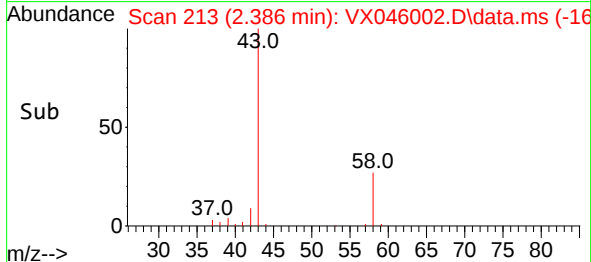
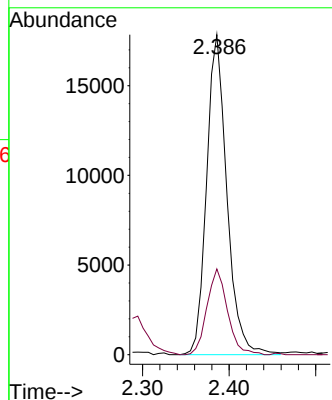
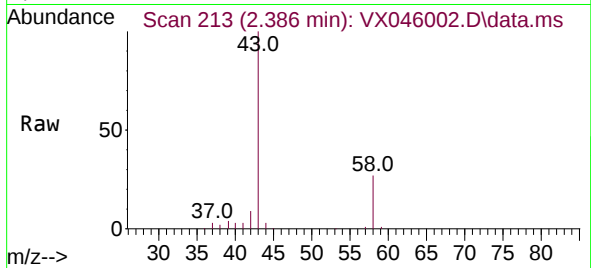




#16
Acetone
Concen: 66.334 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

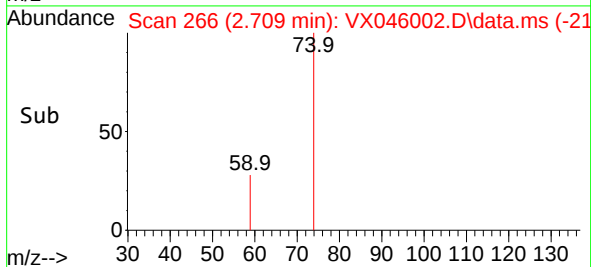
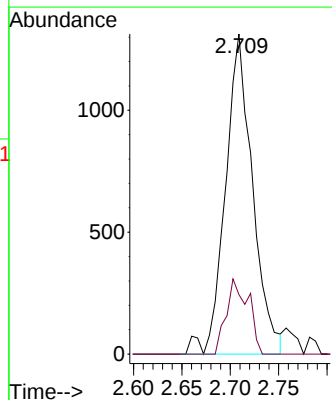
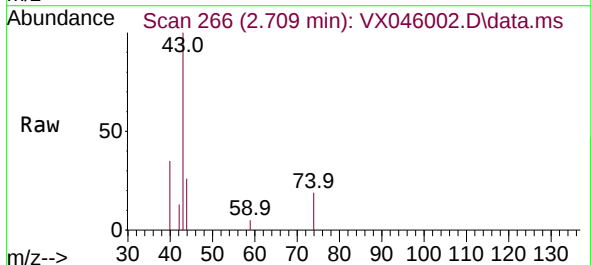
Instrument :
MSVOA_X
ClientSampleId :
WC-7

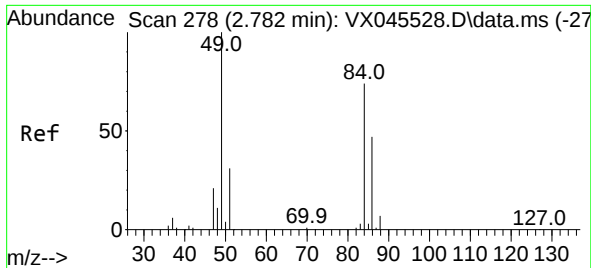
Tgt Ion: 43 Resp: 29063
Ion Ratio Lower Upper
43 100
58 26.8 22.3 33.5



#18
Methyl Acetate
Concen: 2.546 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 43 Resp: 2568
Ion Ratio Lower Upper
43 100
74 19.0 17.5 26.3

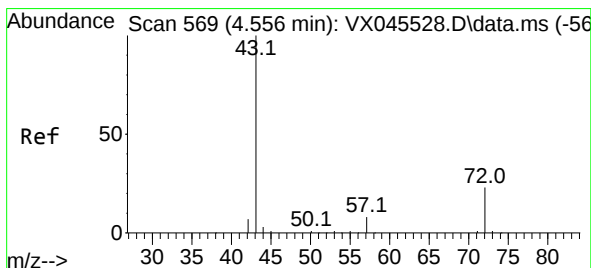
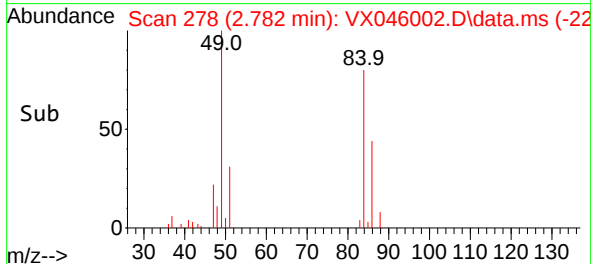
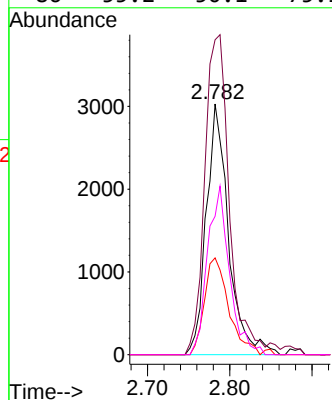
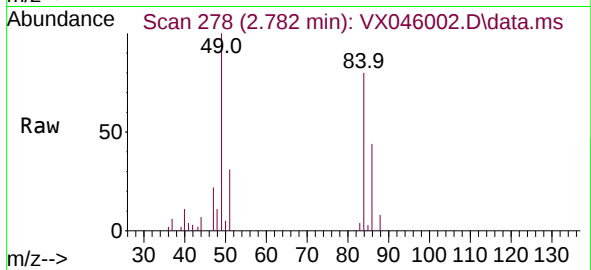




#20
Methylene Chloride
Concen: 6.957 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

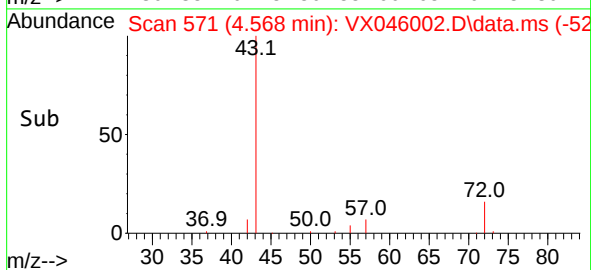
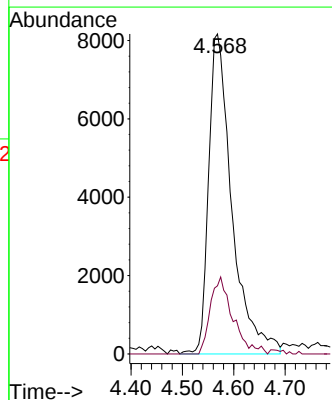
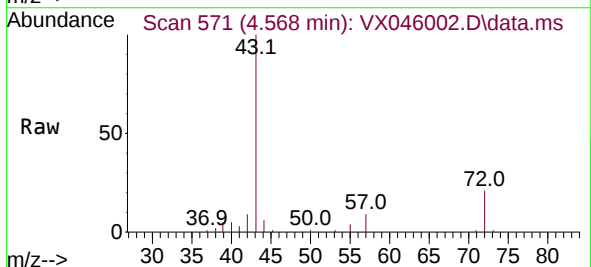
Instrument :
MSVOA_X
ClientSampleId :
WC-7

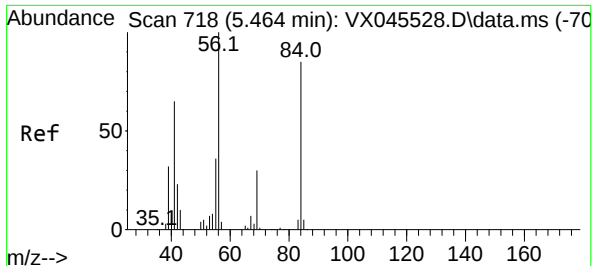
Tgt Ion:	84	Resp:	5706
Ion	Ratio	Lower	Upper
84	100		
49	125.7	107.5	161.3
51	38.6	33.0	49.6
86	55.2	50.1	75.1



#25
2-Butanone
Concen: 40.093 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion:	43	Resp:	25713
Ion	Ratio	Lower	Upper
43	100		
72	21.3	18.6	28.0

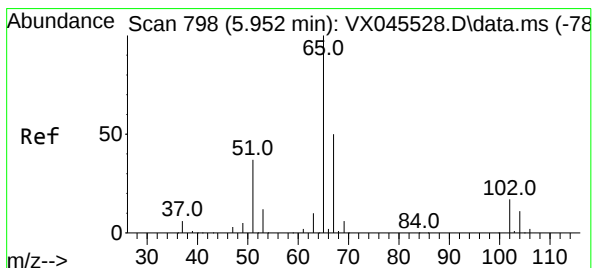
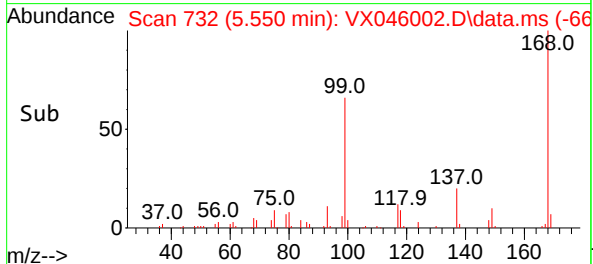
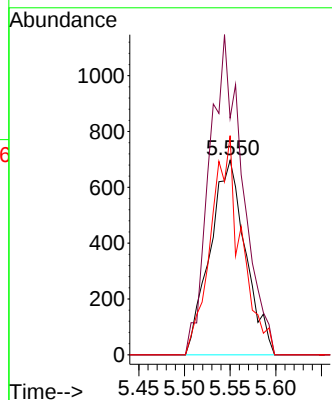
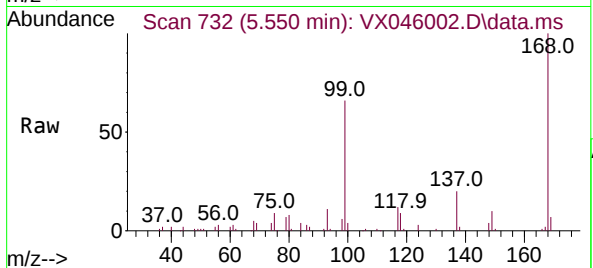




#31
Cyclohexane
Concen: 1.437 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

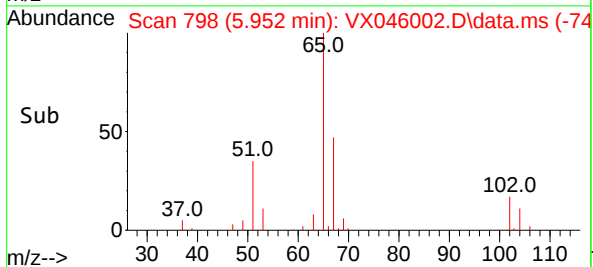
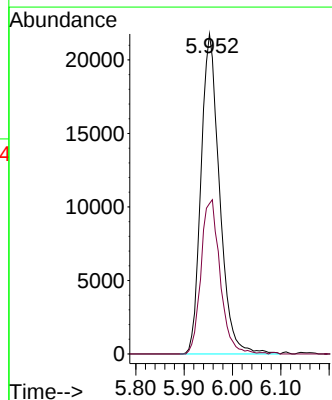
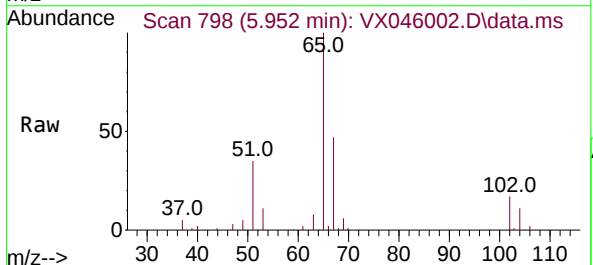
Instrument :
MSVOA_X
ClientSampleId :
WC-7

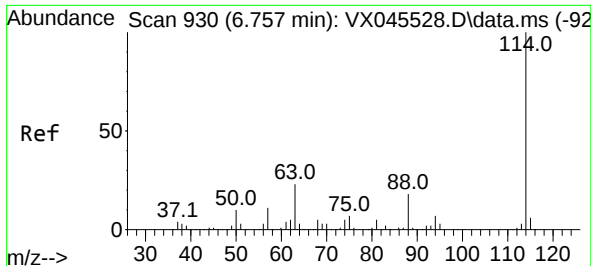
Tgt Ion: 56 Resp: 1881
Ion Ratio Lower Upper
56 100
69 121.7 23.6 35.4#
84 112.6 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 54.341 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 65 Resp: 57981
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.0

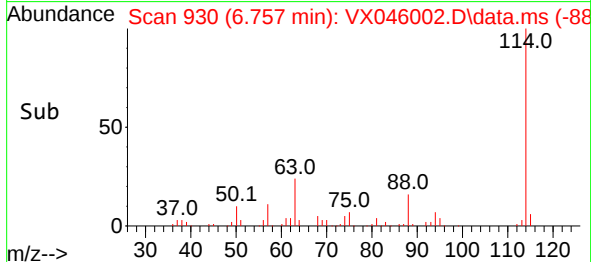
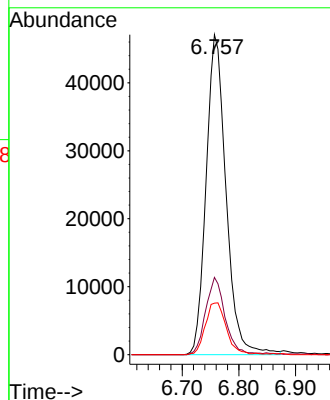
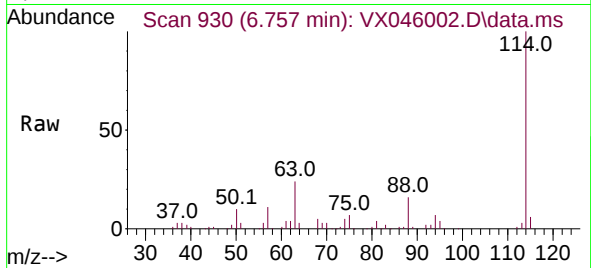




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

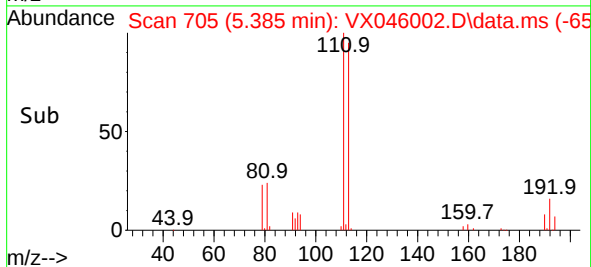
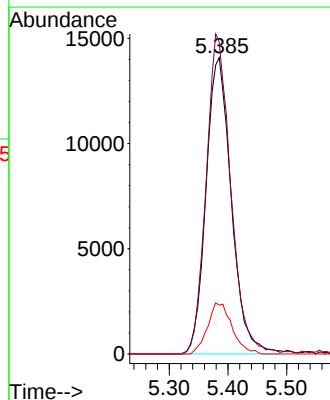
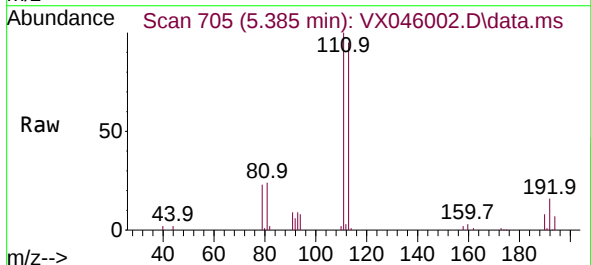
Instrument :
MSVOA_X
ClientSampleId :
WC-7

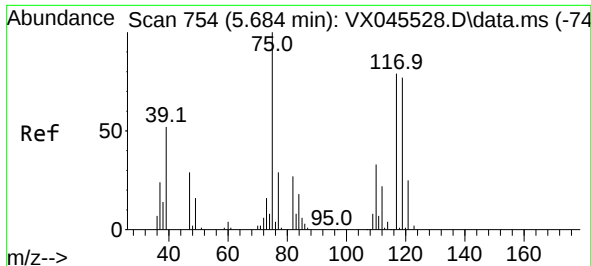
Tgt Ion:114 Resp: 114833
Ion Ratio Lower Upper
114 100
63 24.2 0.0 46.8
88 16.1 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.680 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion:113 Resp: 42106
Ion Ratio Lower Upper
113 100
111 105.6 81.8 122.6
192 16.7 13.8 20.6

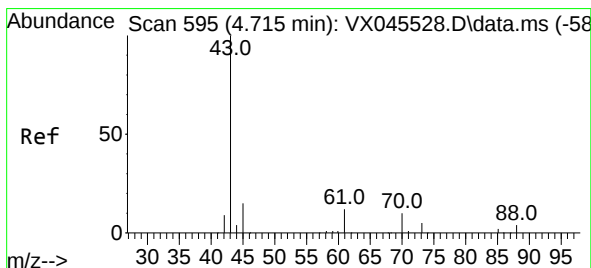
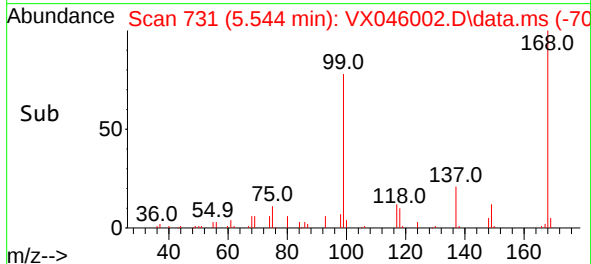
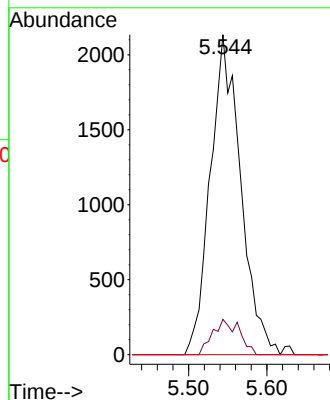
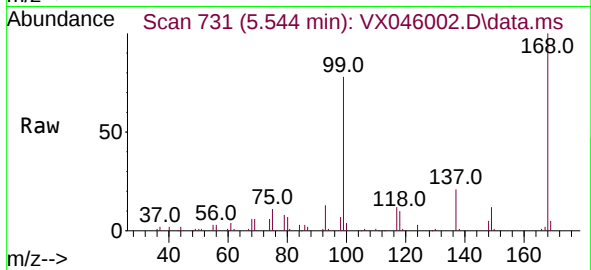




#36
1,1-Dichloropropene
Concen: 5.226 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

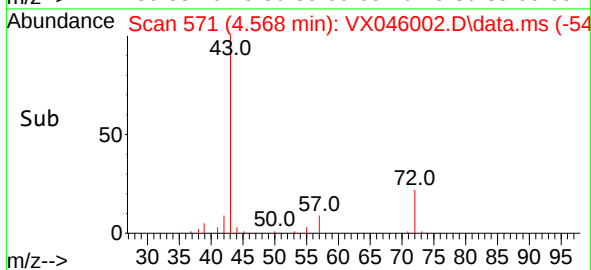
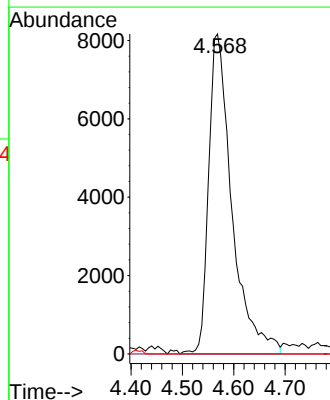
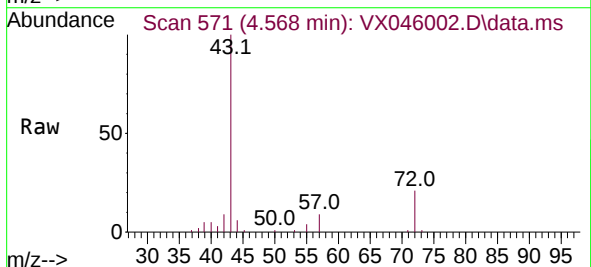
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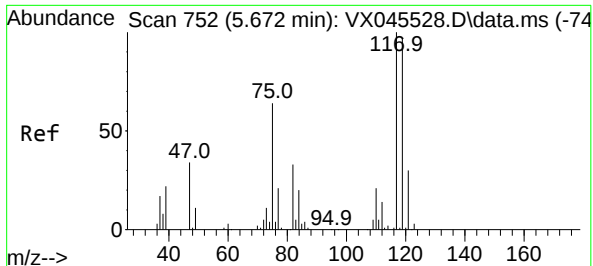
Tgt Ion: 75 Resp: 5749
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.6#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 18.548 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.146 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 43 Resp: 25713
Ion Ratio Lower Upper
43 100
61 0.0 9.9 14.9#
70 0.0 7.5 11.3#

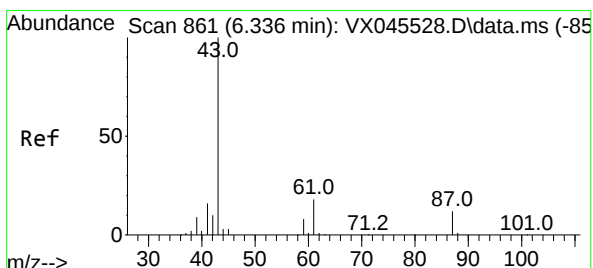
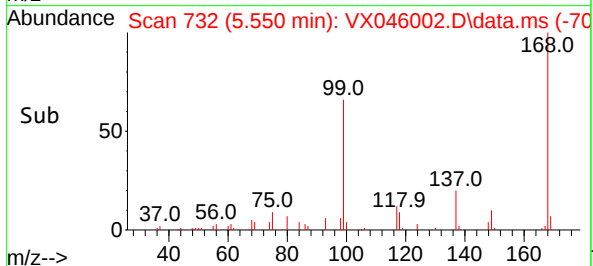
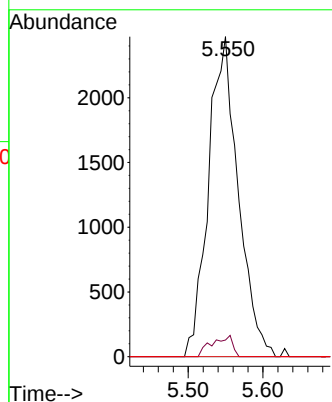
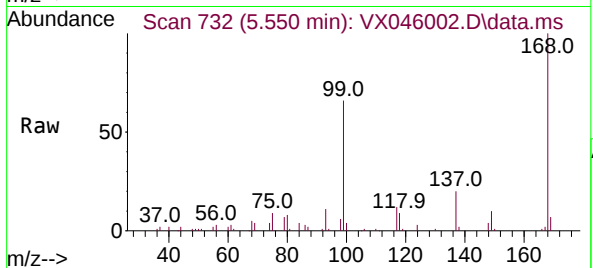




#38
Carbon Tetrachloride
Concen: 5.757 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

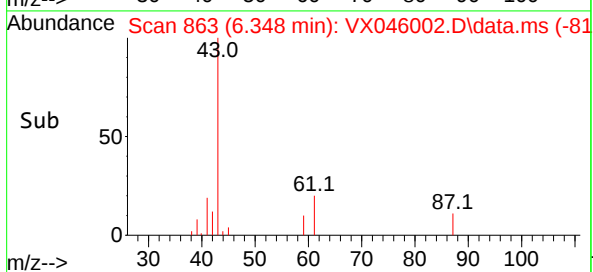
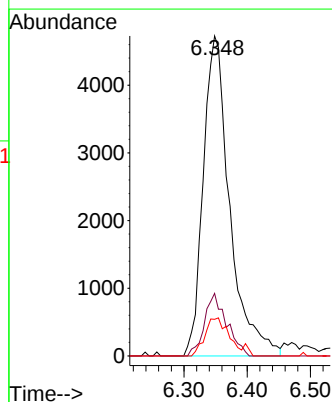
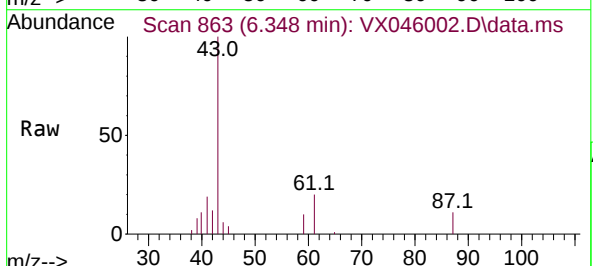
Instrument :
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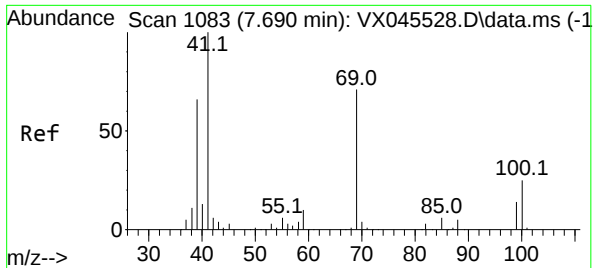
Tgt Ion:117 Resp: 6844
Ion Ratio Lower Upper
117 100
119 5.2 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.547 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 43 Resp: 13757
Ion Ratio Lower Upper
43 100
61 16.4 14.1 21.1
87 10.6 9.2 13.8

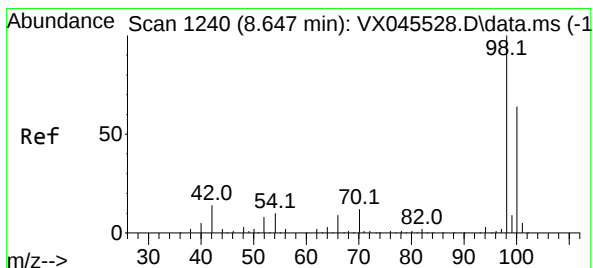
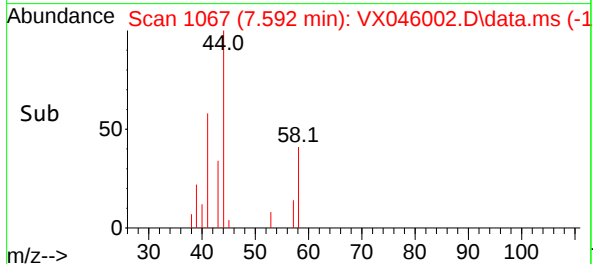
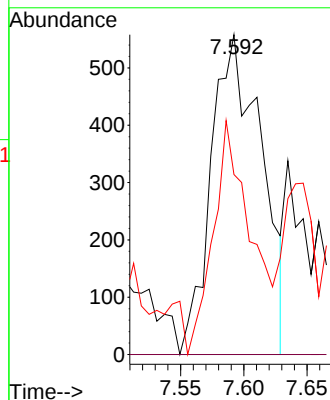
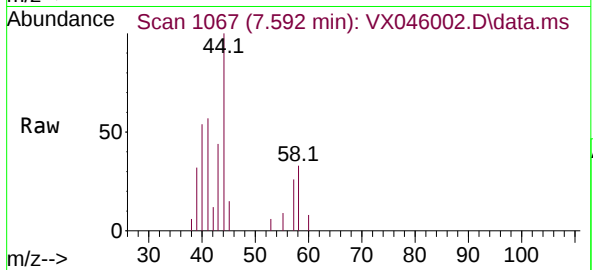




#48
Methyl methacrylate
Concen: 1.424 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.097 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

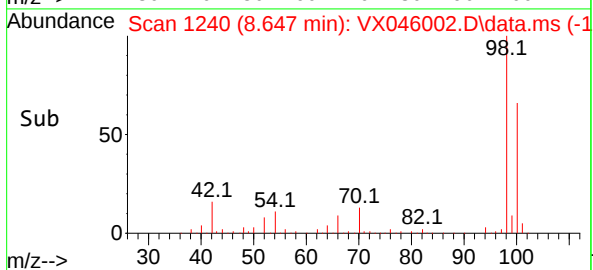
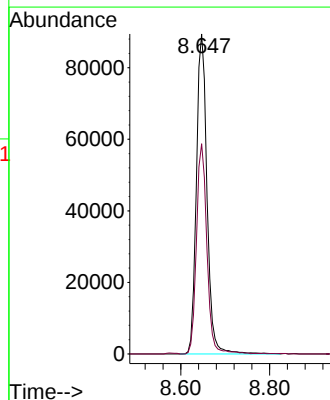
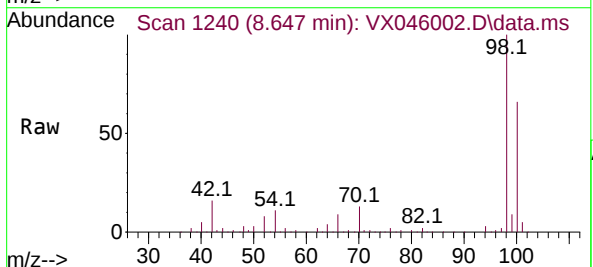
Instrument :
MSVOA_X
ClientSampleId :
WC-7

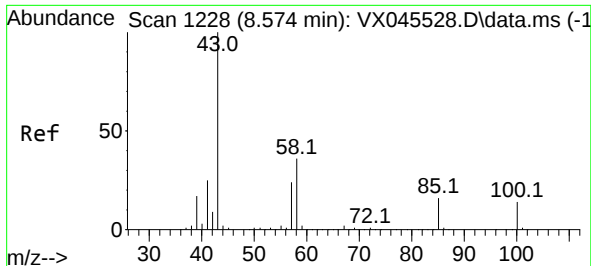
Tgt Ion: 41 Resp: 1545
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 54.2 53.6 80.4



#50
Toluene-d8
Concen: 52.029 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 98 Resp: 147959
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 26.342 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX046002.D

Acq: 30 Apr 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

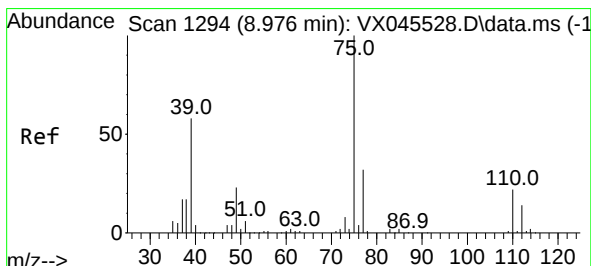
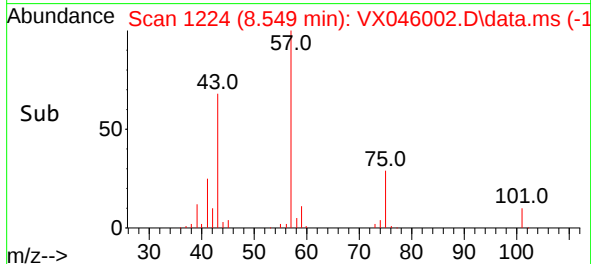
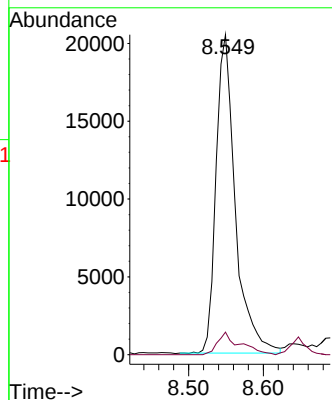
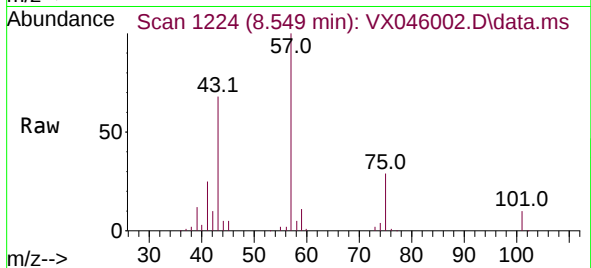
WC-7

Tgt Ion: 43 Resp: 36691

Ion Ratio Lower Upper

43 100

58 8.2 28.5 42.7#



#53

t-1,3-Dichloropropene

Concen: 2.435 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VX046002.D

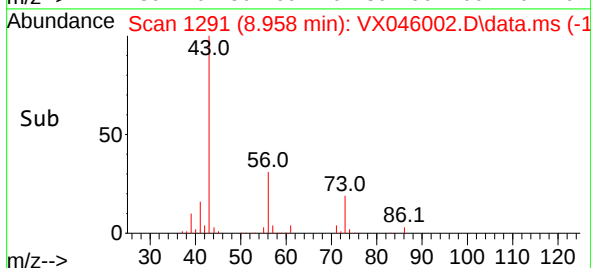
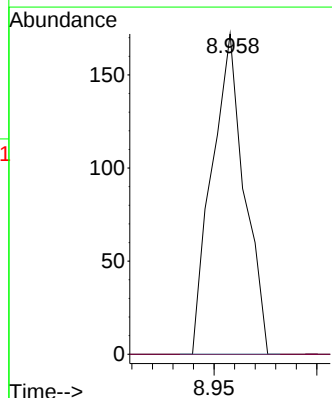
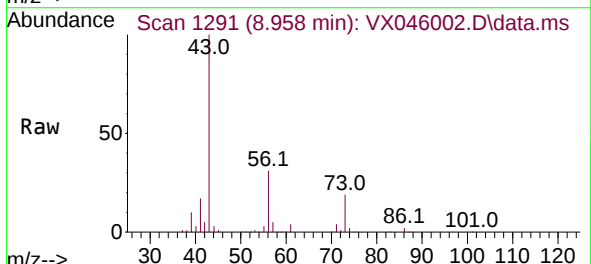
Acq: 30 Apr 2025 16:50

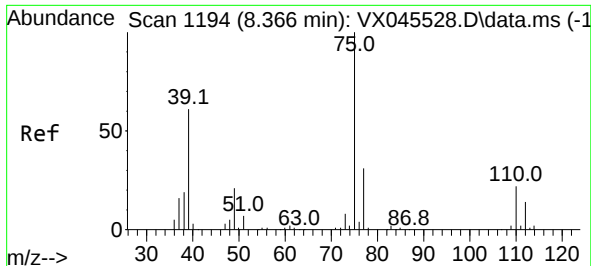
Tgt Ion: 75 Resp: 189

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

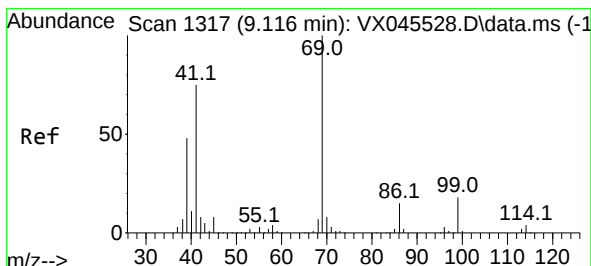
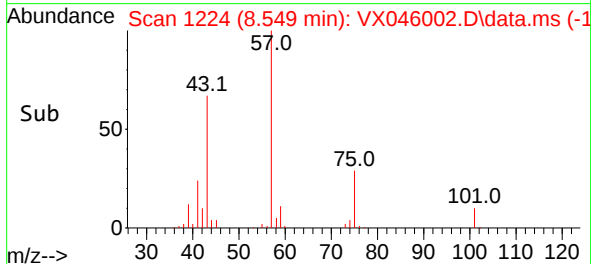
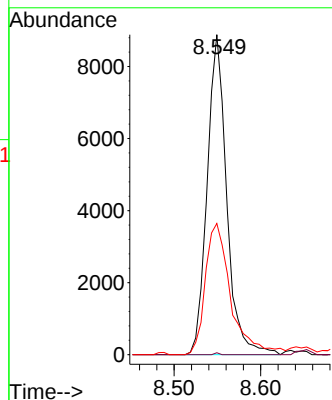
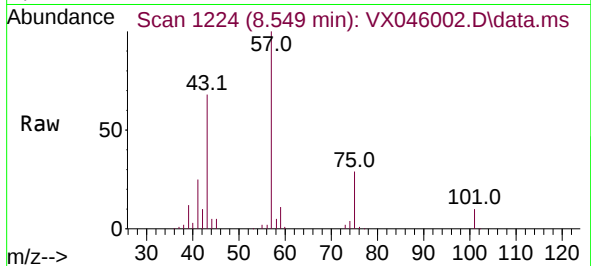




#54
 cis-1,3-Dichloropropene
 Concen: 11.535 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX046002.D
 Acq: 30 Apr 2025 16:50

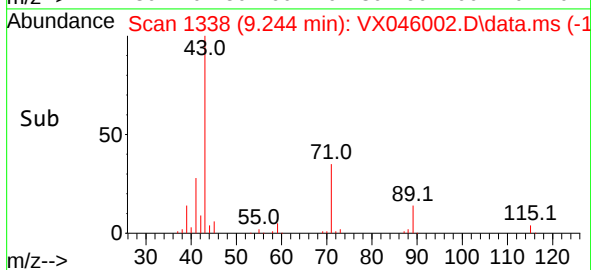
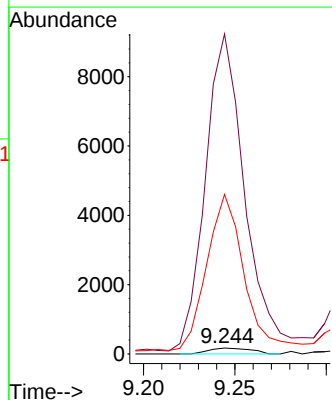
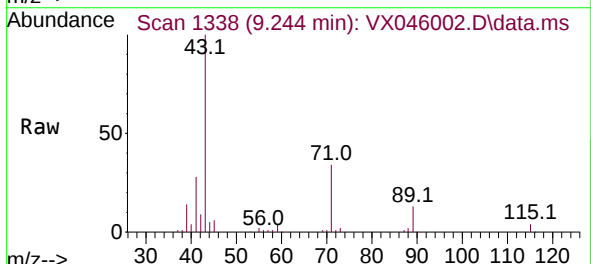
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-7

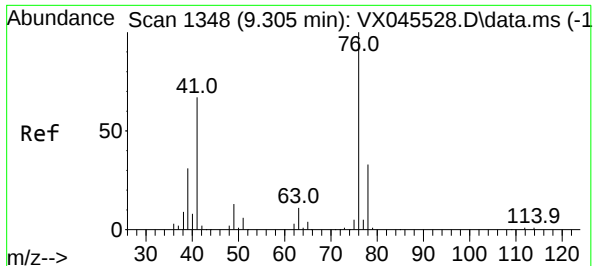
Tgt Ion: 75 Resp: 13930
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 36.8#
 39 41.0 48.4 72.6#



#56
 Ethyl methacrylate
 Concen: 0.218 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX046002.D
 Acq: 30 Apr 2025 16:50

Tgt Ion: 69 Resp: 273
 Ion Ratio Lower Upper
 69 100
 41 5201.5 61.3 91.9#
 39 2592.3 40.2 60.2#





#57

1,3-Dichloropropane

Concen: 1.068 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX046002.D

Acq: 30 Apr 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

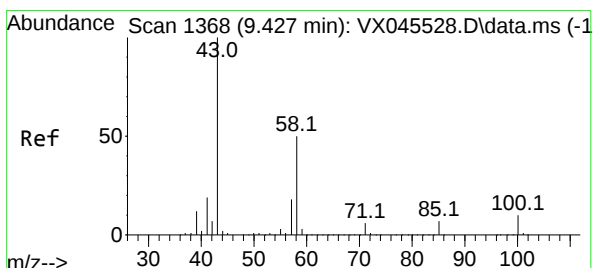
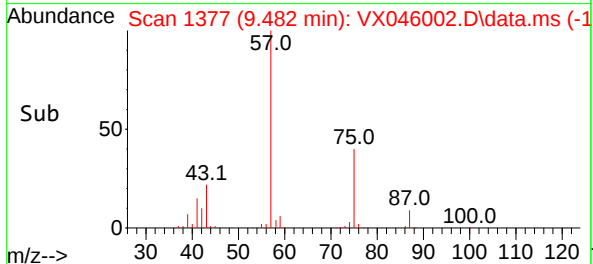
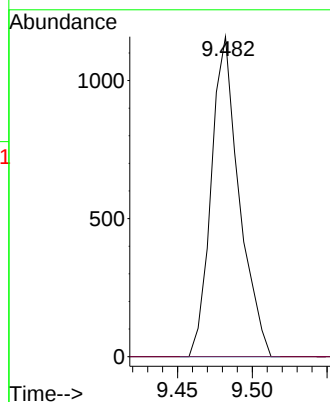
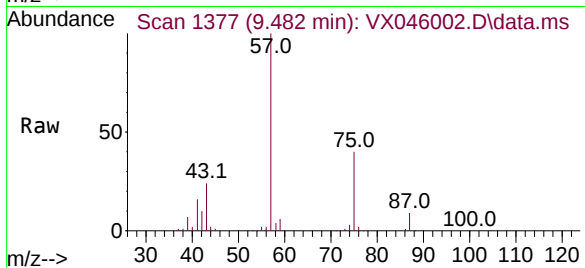
WC-7

Tgt Ion: 76 Resp: 1506

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 10.740 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX046002.D

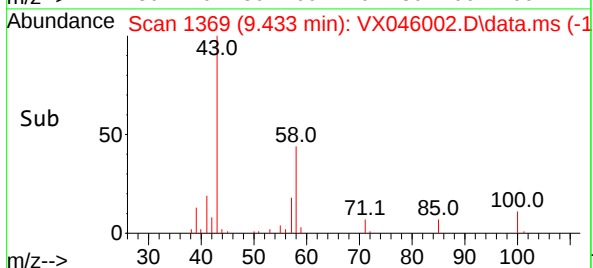
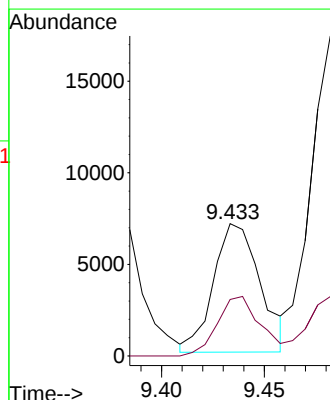
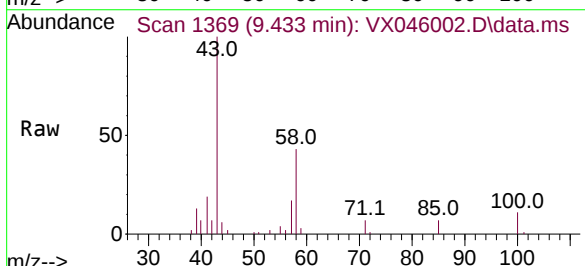
Acq: 30 Apr 2025 16:50

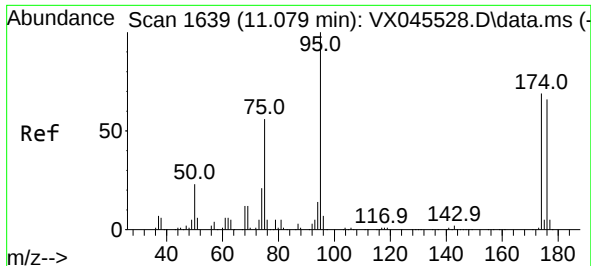
Tgt Ion: 43 Resp: 11078

Ion Ratio Lower Upper

43 100

58 42.9 24.9 74.6

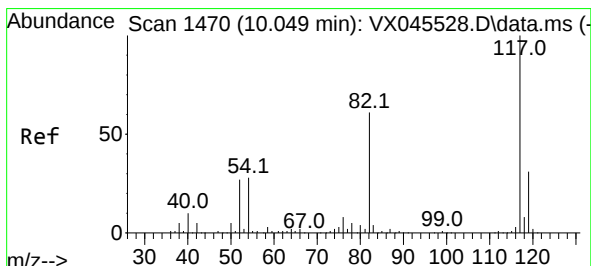
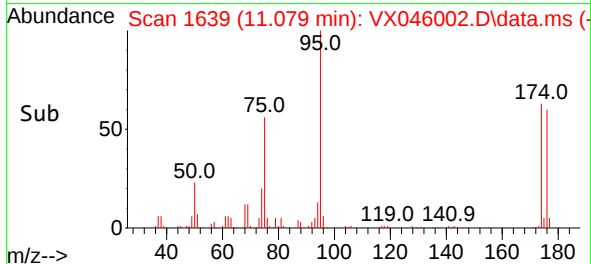
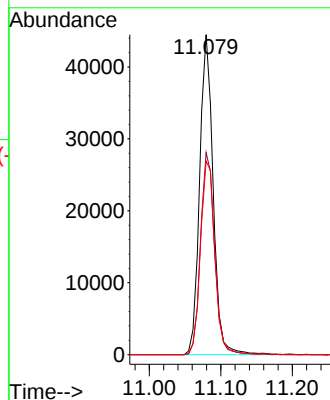
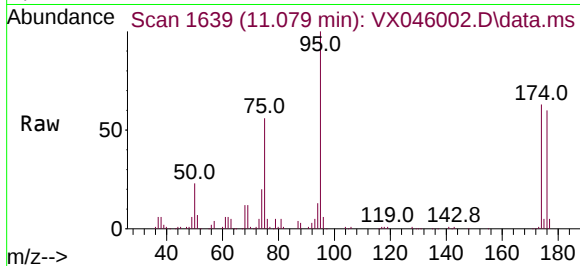




#62
4-Bromofluorobenzene
Concen: 56.237 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

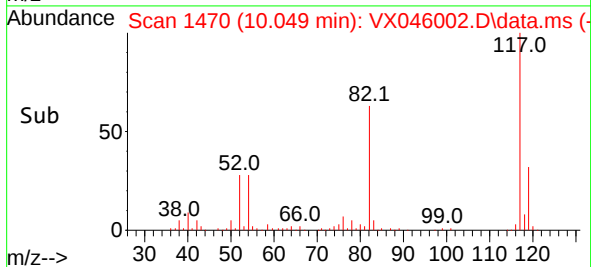
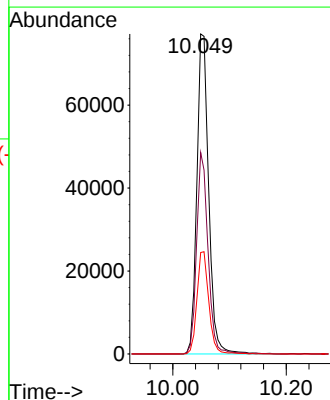
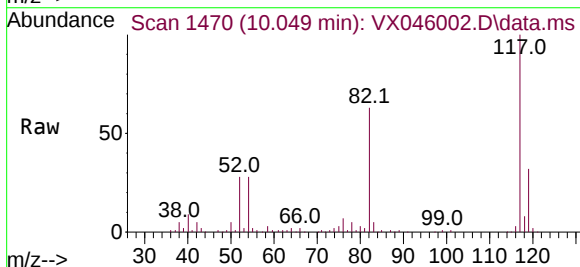
Instrument :
MSVOA_X
ClientSampleId :
WC-7

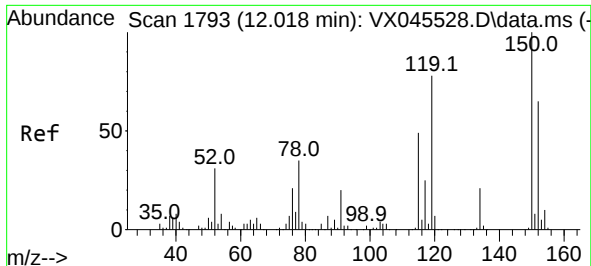
Tgt Ion: 95 Resp: 58253
Ion Ratio Lower Upper
95 100
174 65.8 0.0 135.8
176 64.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046002.D
Acq: 30 Apr 2025 16:50

Tgt Ion: 117 Resp: 111572
Ion Ratio Lower Upper
117 100
82 62.9 49.2 73.8
119 31.7 25.1 37.7

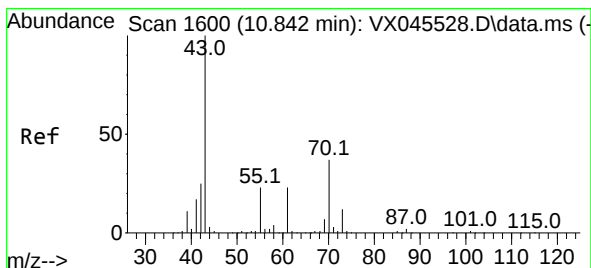
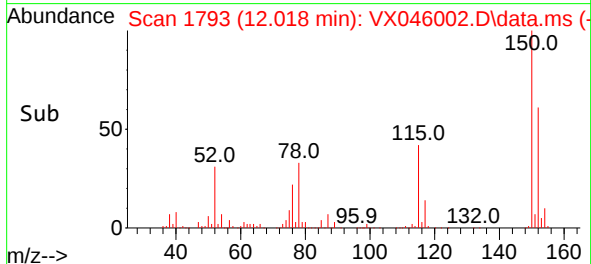
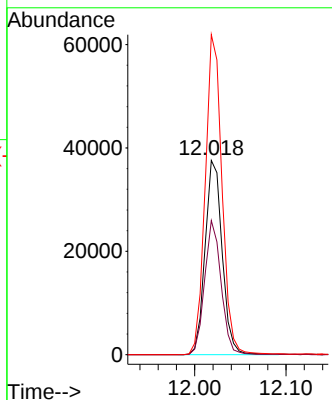
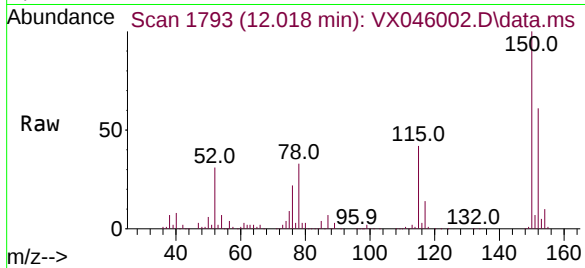




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX046002.D
 Acq: 30 Apr 2025 16:50

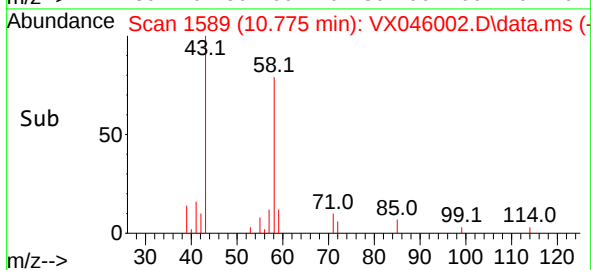
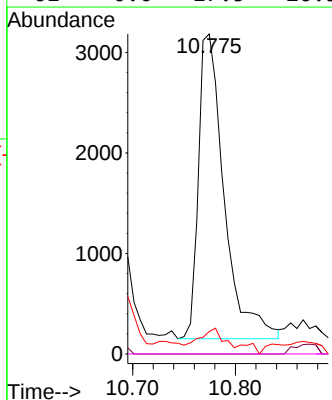
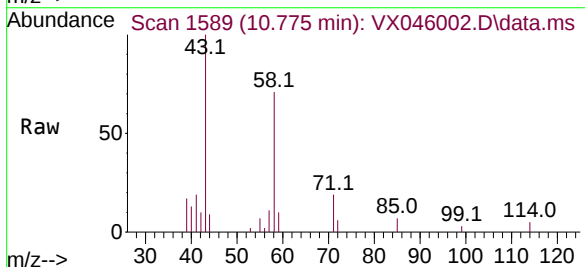
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-7

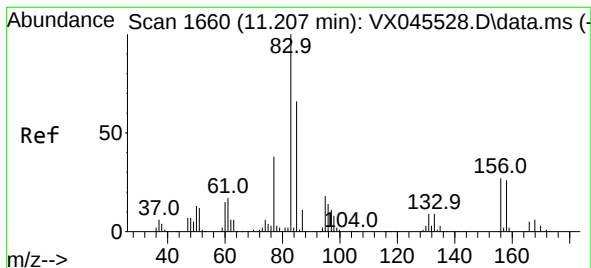
Tgt Ion:152 Resp: 48684
 Ion Ratio Lower Upper
 152 100
 115 66.4 46.9 140.7
 150 161.8 0.0 349.4



#74
 N-ethyl acetate
 Concen: 2.832 ug/l
 RT: 10.775 min Scan# 1589
 Delta R.T. -0.067 min
 Lab File: VX046002.D
 Acq: 30 Apr 2025 16:50

Tgt Ion: 43 Resp: 5282
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 10.4 18.3 27.5#
 61 0.0 17.5 26.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.258 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. 0.079 min

Lab File: VX046002.D

Acq: 30 Apr 2025 16:50

Instrument :

MSVOA_X

ClientSampleId :

WC-7

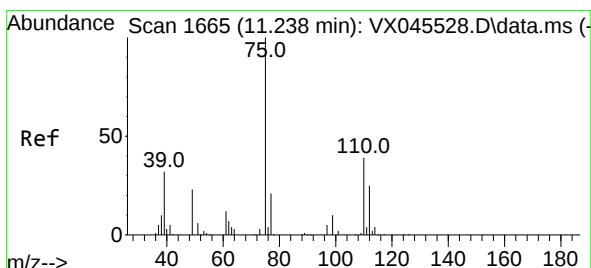
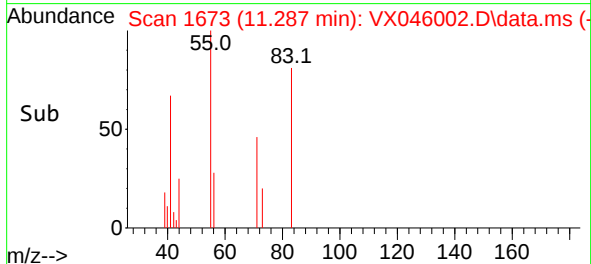
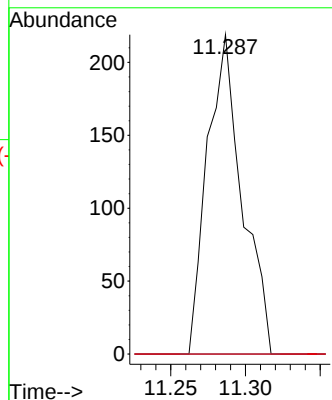
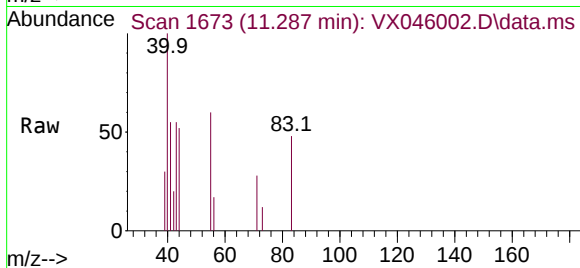
Tgt Ion: 83 Resp: 354

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

85 0.0 32.4 97.2#



#76

1,2,3-Trichloropropane

Concen: 27.606 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX046002.D

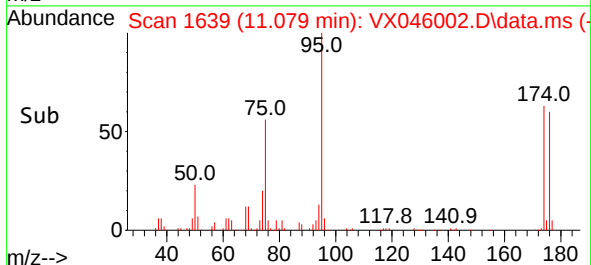
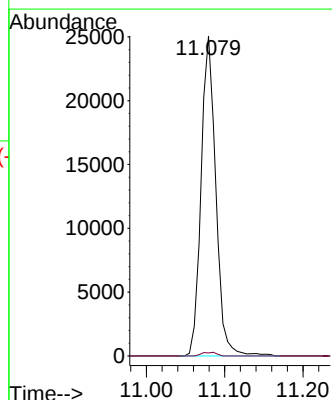
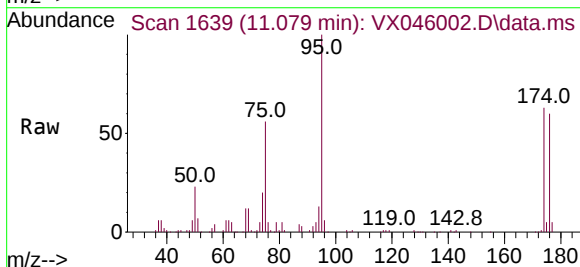
Acq: 30 Apr 2025 16:50

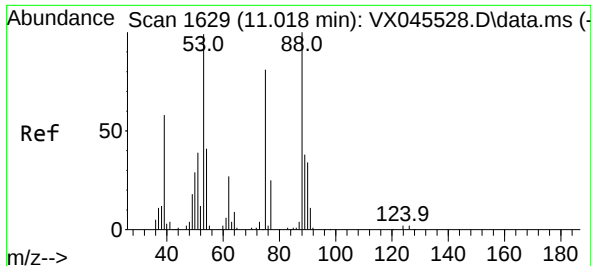
Tgt Ion: 75 Resp: 32783

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.692 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046002.D
 Acq: 30 Apr 2025 16:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-7

Tgt Ion: 75 Resp: 32783
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

