

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045967.D
 Acq On : 28 Apr 2025 19:19
 Operator : JC/MD
 Sample : Q1900-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Apr 29 01:36:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

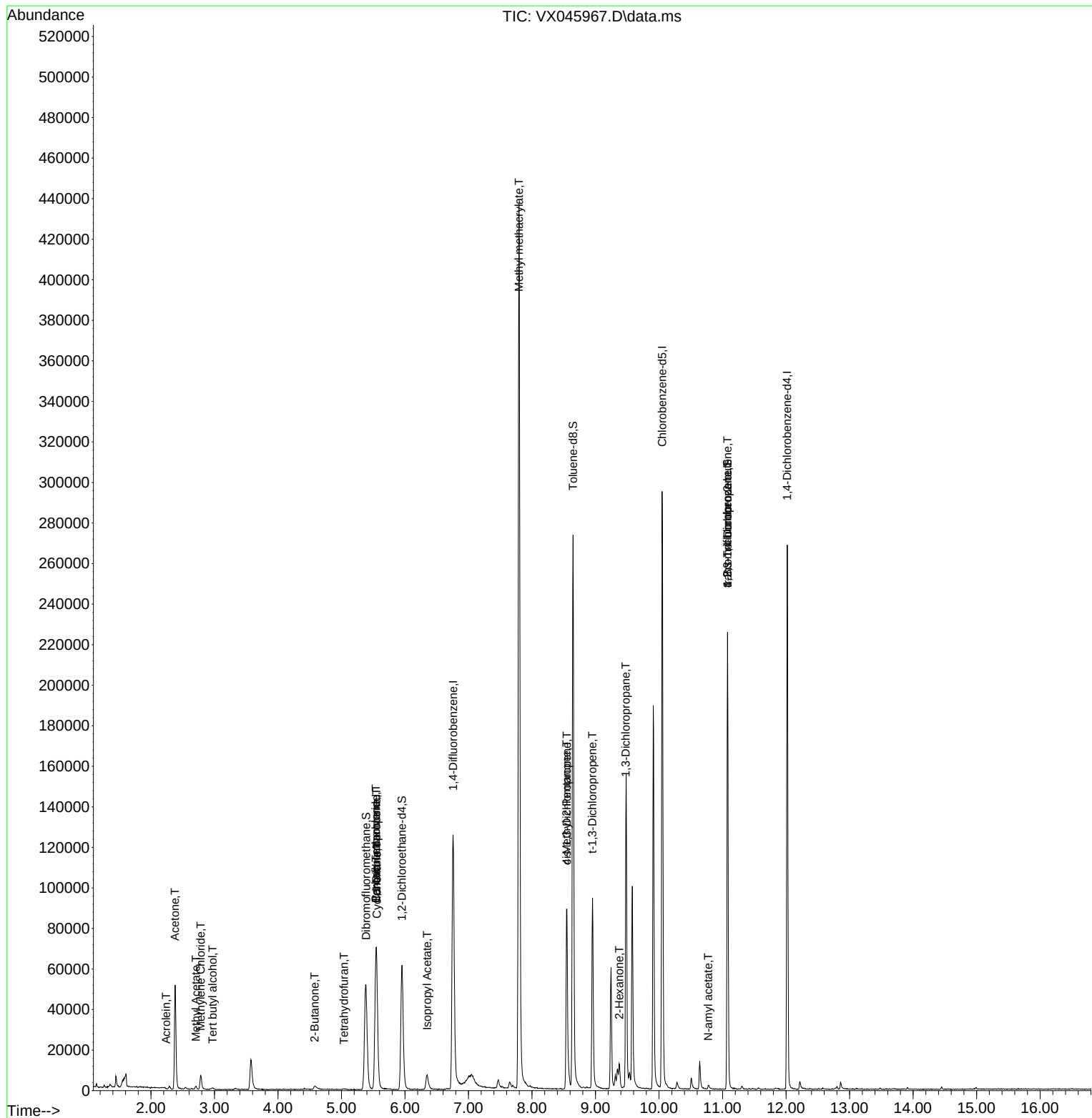
Internal Standards						
1) Pentafluorobenzene	5.544	168	62410	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122737	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62547	54.803	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.600%
35) Dibromofluoromethane	5.385	113	44961	51.631	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.260%
50) Toluene-d8	8.647	98	157024	51.661	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	11.079	95	58644	52.969	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.940%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.971	59	839	5.470	ug/l #	72
13) Acrolein	2.239	56	63	0.298	ug/l #	15
16) Acetone	2.380	43	56439	120.427	ug/l	98
18) Methyl Acetate	2.709	43	1802	1.670	ug/l	93
20) Methylene Chloride	2.782	84	3109	3.543	ug/l	96
25) 2-Butanone	4.574	43	4064	5.924	ug/l	98
29) Tetrahydrofuran	5.038	42	278	0.625	ug/l #	58
31) Cyclohexane	5.556	56	1748	1.249	ug/l #	36
36) 1,1-Dichloropropene	5.550	75	5938	5.050	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7302	5.746	ug/l #	16
43) Isopropyl Acetate	6.348	43	10992	4.895	ug/l	97
48) Methyl methacrylate	7.793	41	43684	37.674	ug/l #	51
51) 4-Methyl-2-Pentanone	8.543	43	37604	25.259	ug/l #	53
53) t-1,3-Dichloropropene	8.952	75	133	2.385	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	14039	10.877	ug/l #	68
57) 1,3-Dichloropropane	9.476	76	1303	0.864	ug/l #	42
59) 2-Hexanone	9.372	43	11270	10.223	ug/l #	28
74) N-amyl acetate	10.774	43	1249	0.656	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	33557	27.679	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33557	93.938	ug/l #	1

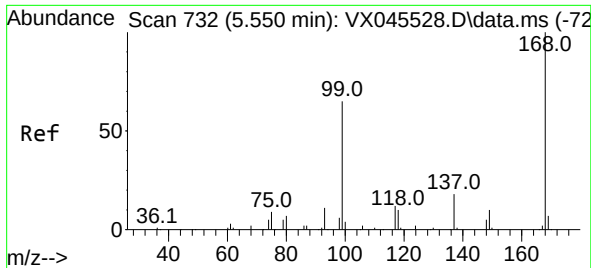
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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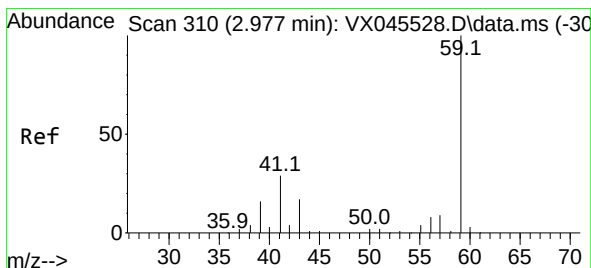
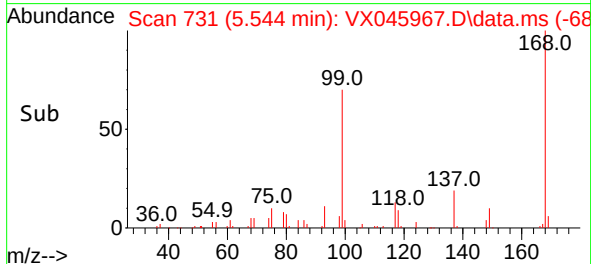
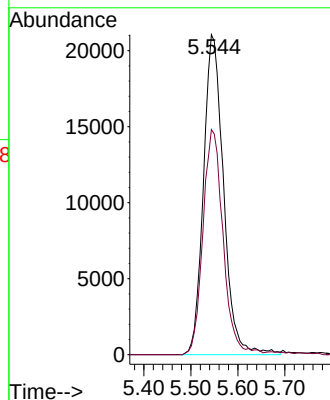
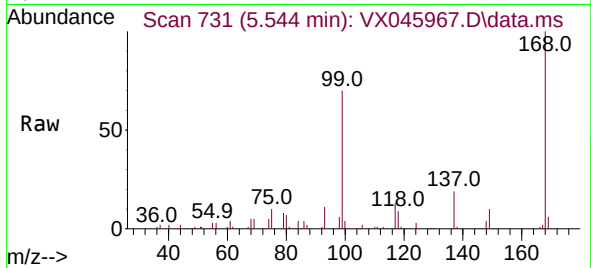




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

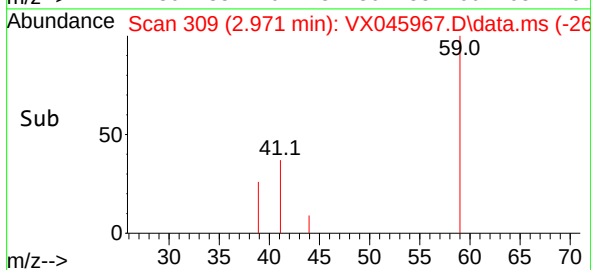
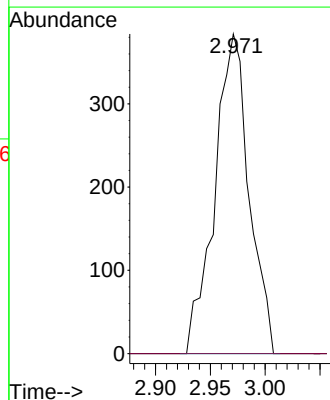
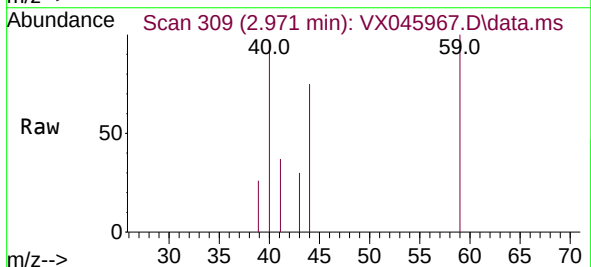
Instrument :
MSVOA_X
ClientSampleId :
WC-3

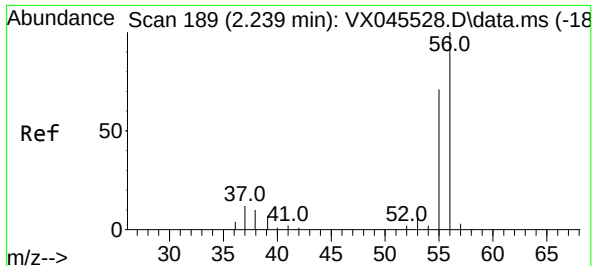
Tgt Ion:168 Resp: 62410
Ion Ratio Lower Upper
168 100
99 70.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 5.470 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 59 Resp: 839
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

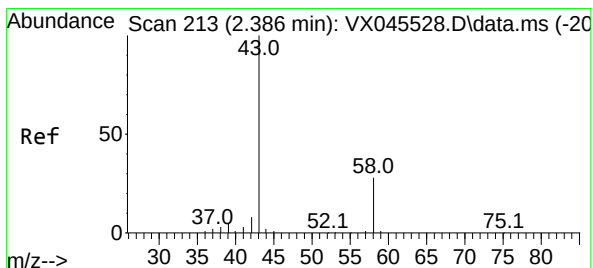
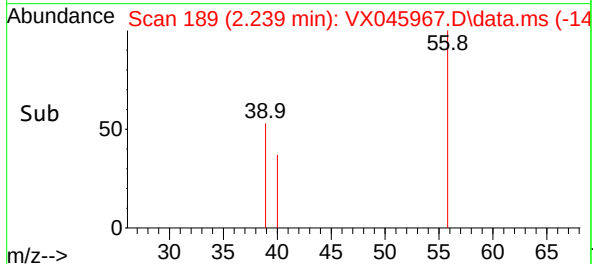
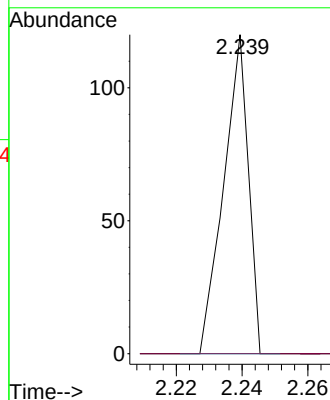
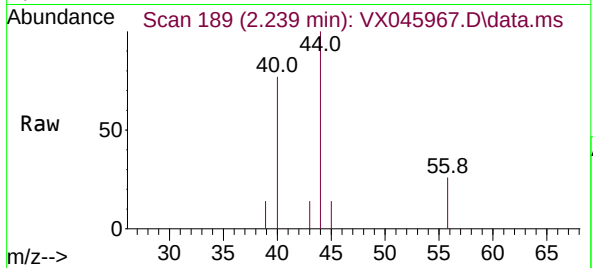




#13
Acrolein
Concen: 0.298 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

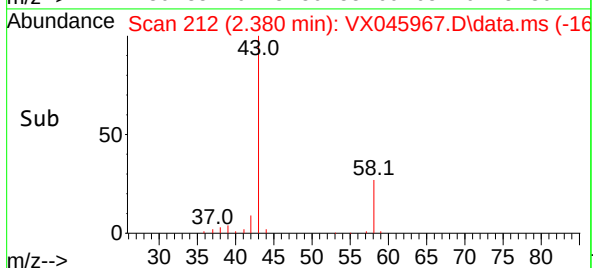
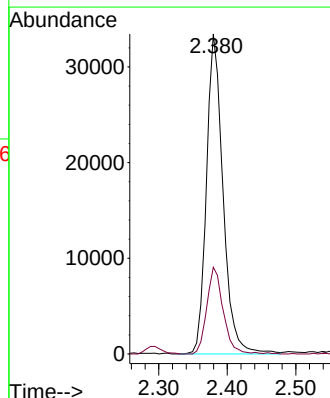
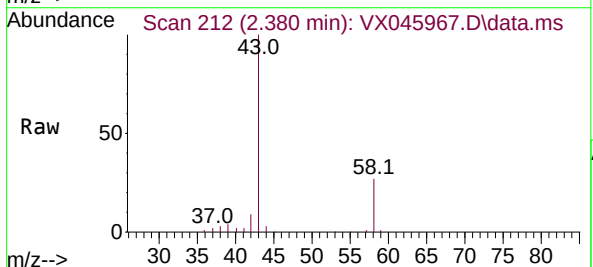
Instrument :
MSVOA_X
ClientSampleId :
WC-3

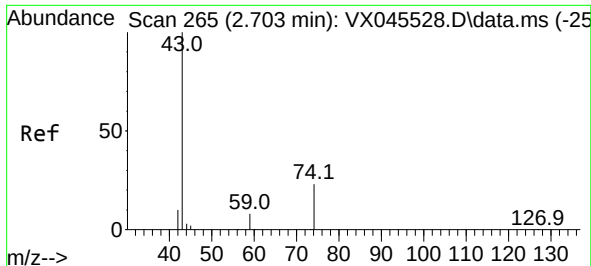
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.2#



#16
Acetone
Concen: 120.427 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 43 Resp: 56439
Ion Ratio Lower Upper
43 100
58 27.1 22.3 33.5

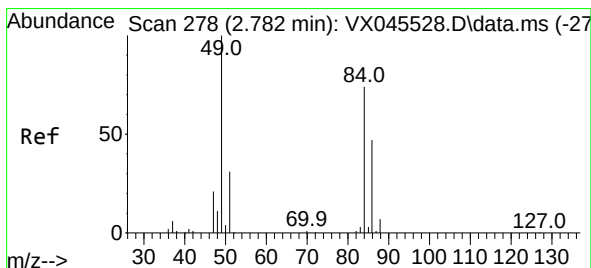
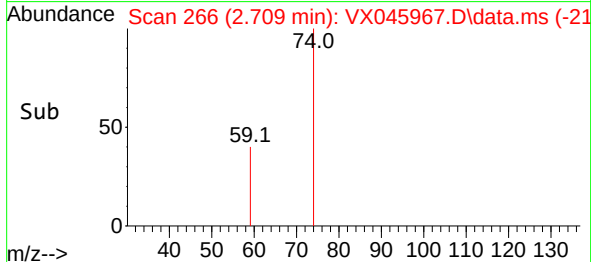
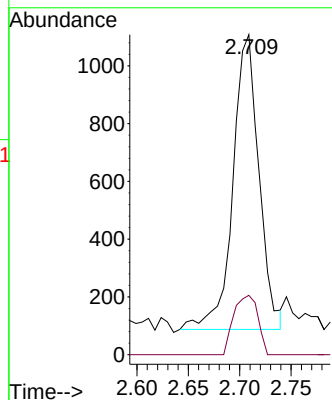
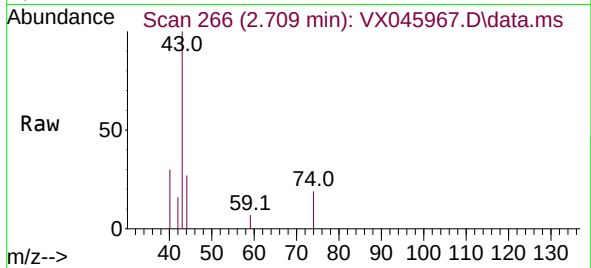




#18
Methyl Acetate
Concen: 1.670 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

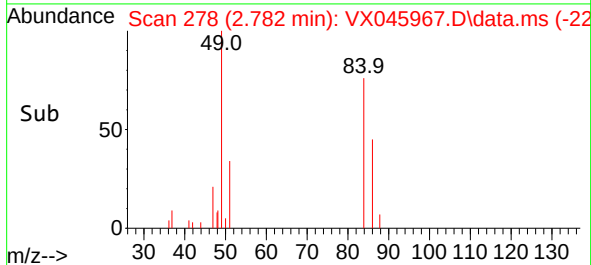
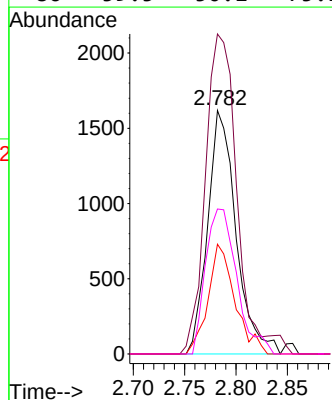
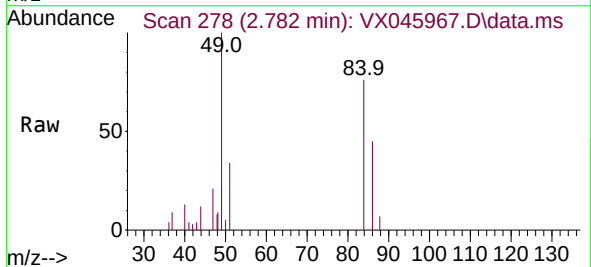
Instrument :
MSVOA_X
ClientSampleId :
WC-3

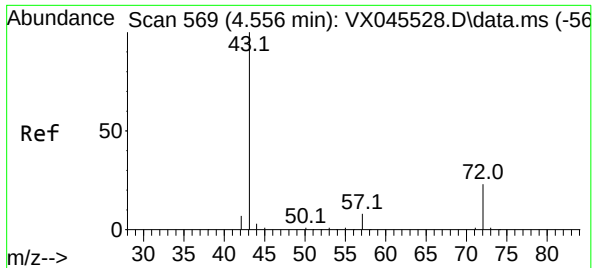
Tgt Ion: 43 Resp: 1802
Ion Ratio Lower Upper
43 100
74 18.6 17.5 26.3



#20
Methylene Chloride
Concen: 3.543 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 84 Resp: 3109
Ion Ratio Lower Upper
84 100
49 131.4 107.5 161.3
51 45.0 33.0 49.6
86 59.5 50.1 75.1

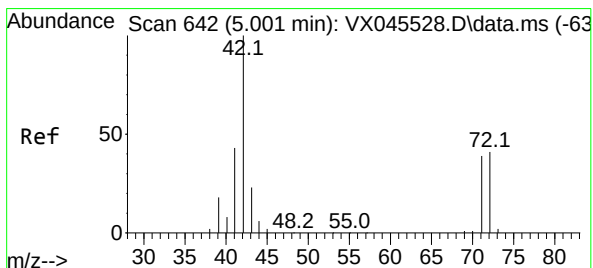
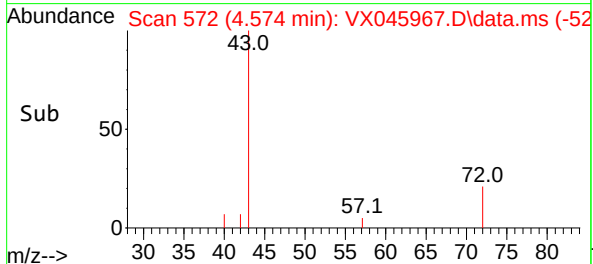
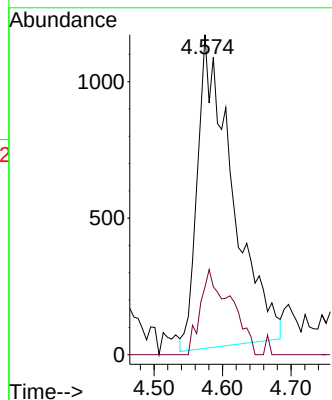
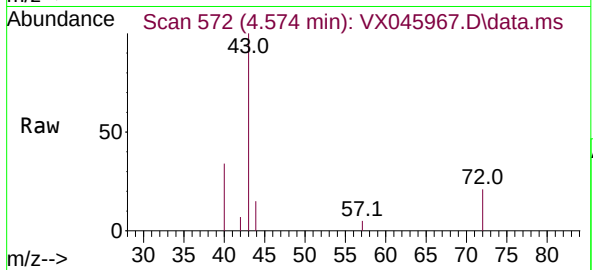




#25
2-Butanone
Concen: 5.924 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

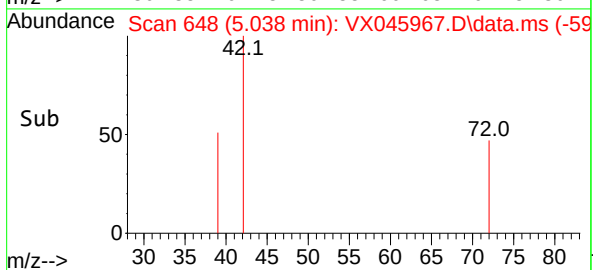
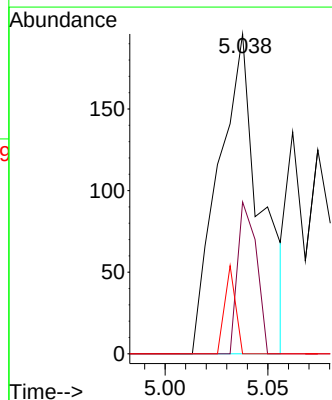
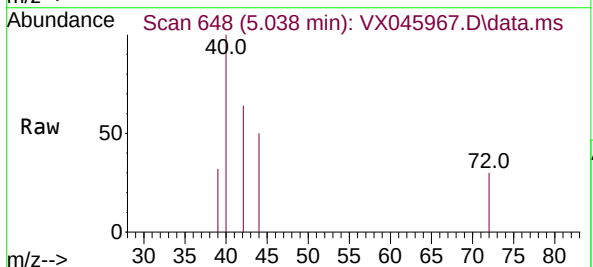
Instrument :
MSVOA_X
ClientSampleId :
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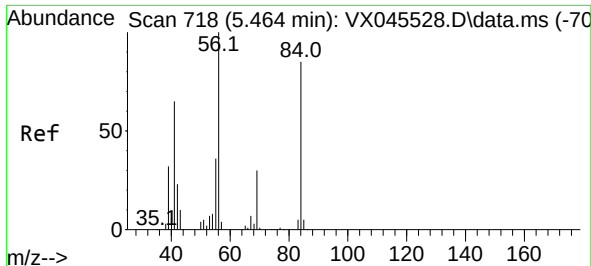
Tgt Ion: 43 Resp: 4064
Ion Ratio Lower Upper
43 100
72 22.3 18.6 28.0



#29
Tetrahydrofuran
Concen: 0.625 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.037 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 42 Resp: 278
Ion Ratio Lower Upper
42 100
72 21.6 33.4 50.0#
71 7.2 31.4 47.0#

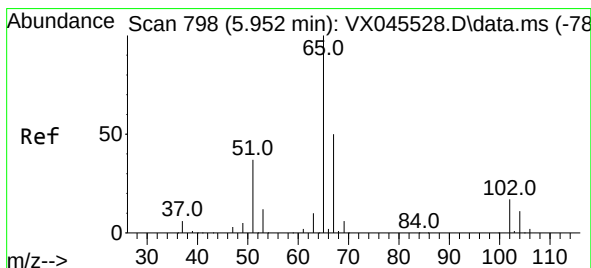
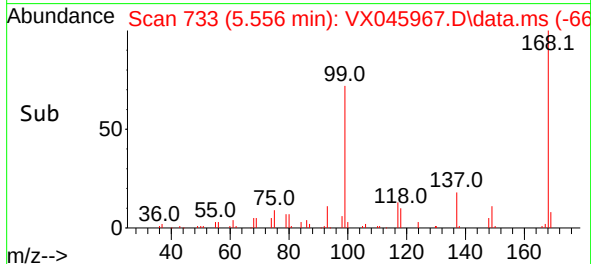
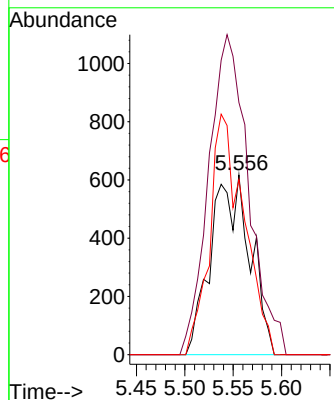
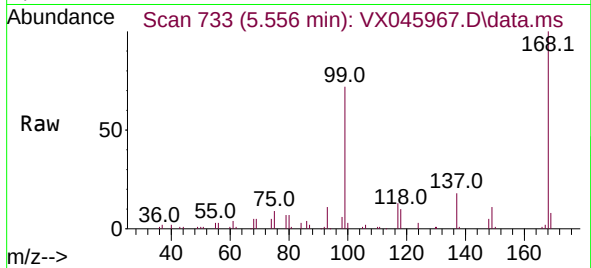




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.091 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

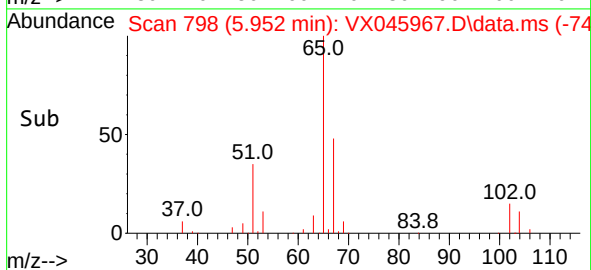
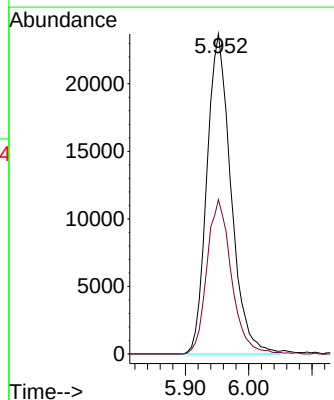
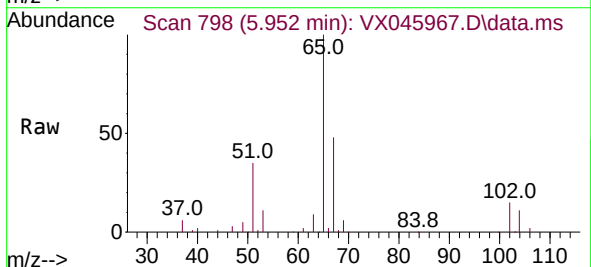
Instrument :
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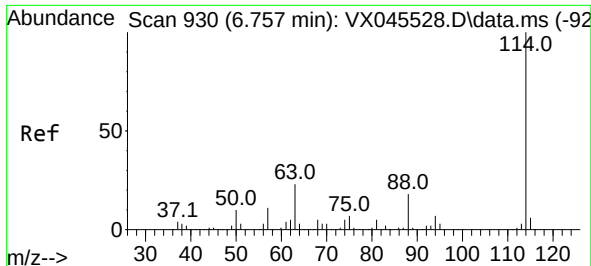
Tgt Ion: 56 Resp: 1748
Ion Ratio Lower Upper
56 100
69 140.4 23.6 35.4#
84 97.4 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.803 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 65 Resp: 62547
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

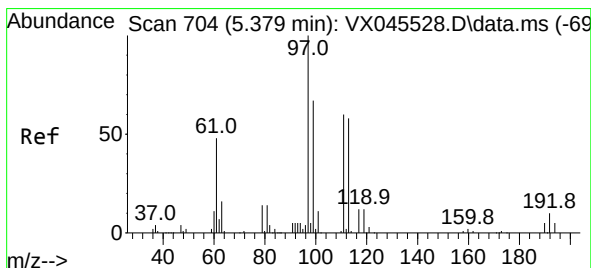
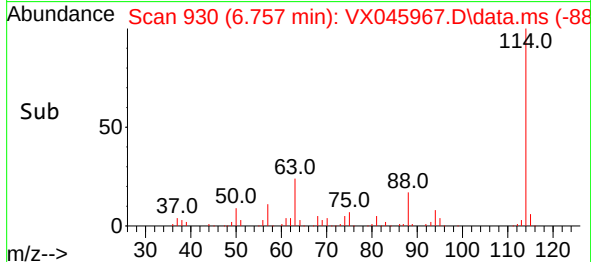
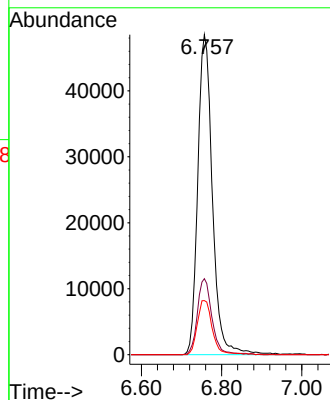
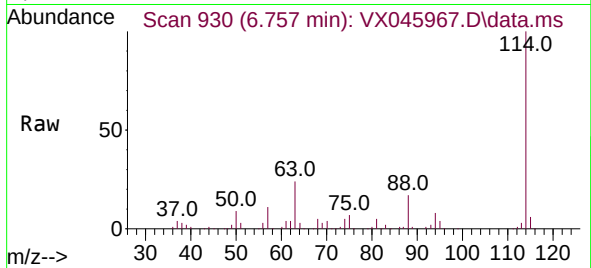




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

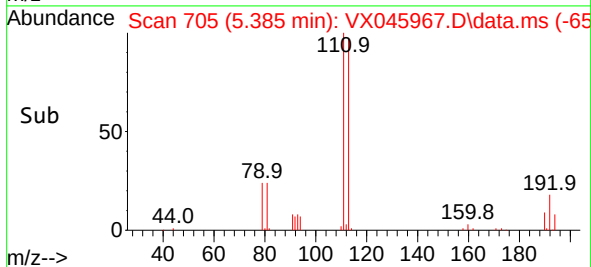
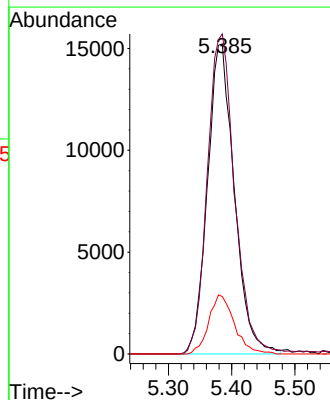
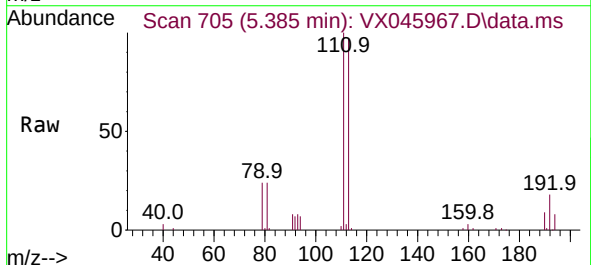
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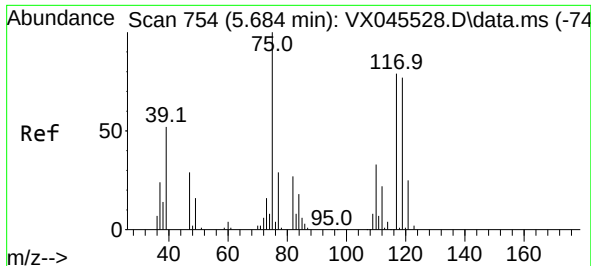
Tgt Ion:114 Resp: 122737
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.631 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

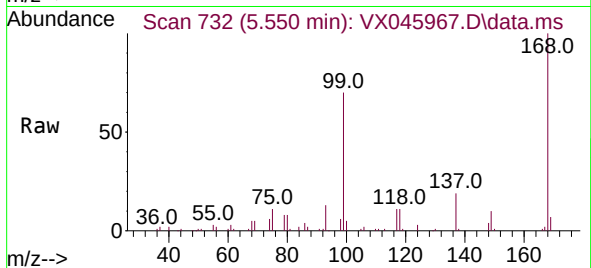
Tgt Ion:113 Resp: 44961
Ion Ratio Lower Upper
113 100
111 104.9 81.8 122.6
192 18.2 13.8 20.6



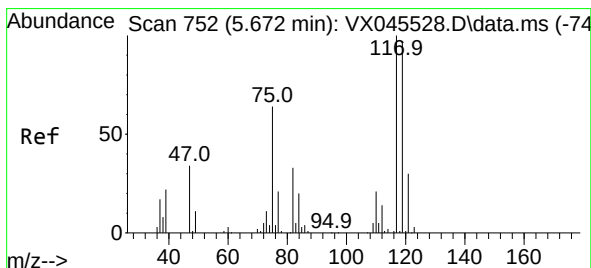
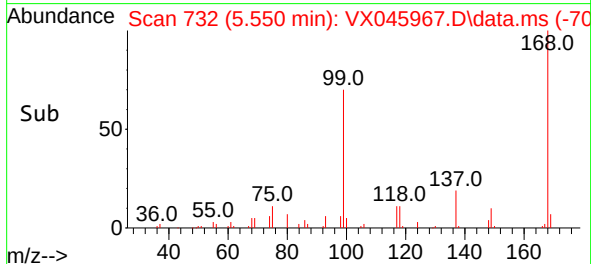
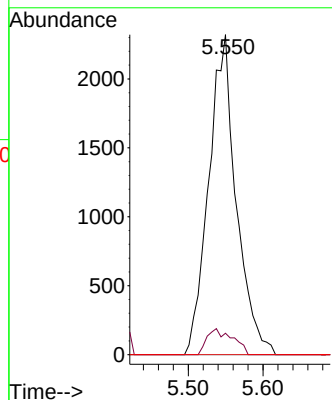


#36
1,1-Dichloropropene
Concen: 5.050 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Instrument :
MSVOA_X
ClientSampleId :
WC-3

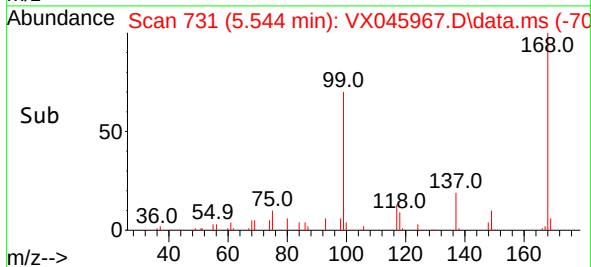
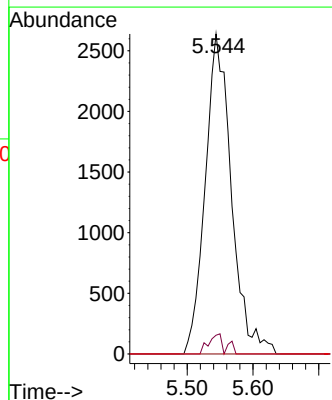
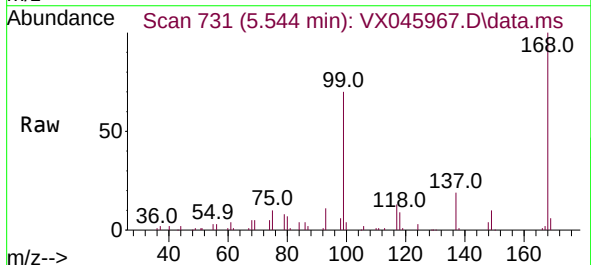


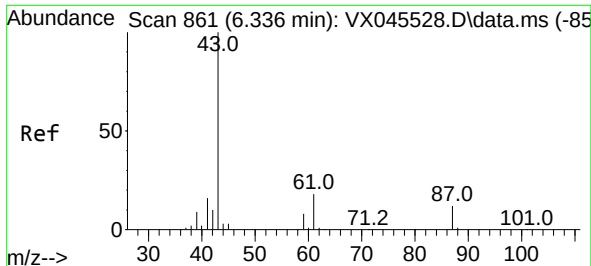
Tgt Ion: 75 Resp: 5938
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.746 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 117 Resp: 7302
Ion Ratio Lower Upper
117 100
119 5.8 76.9 115.3#
121 0.0 24.2 36.2#

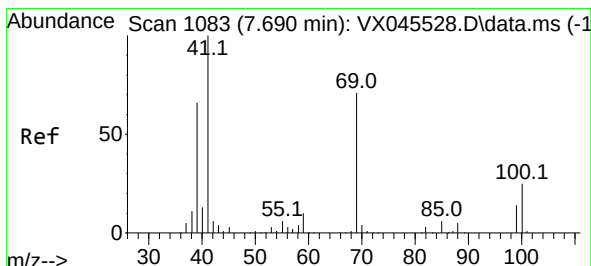
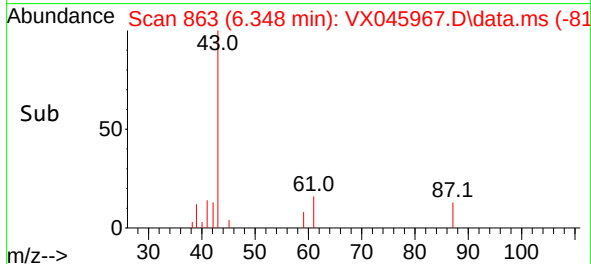
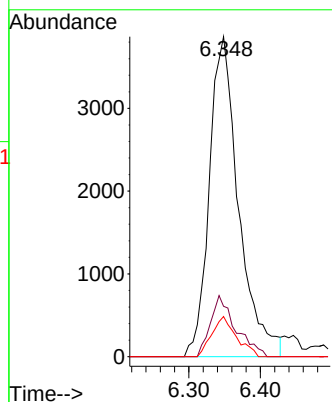
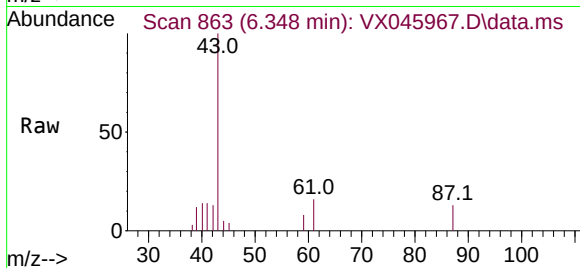




#43
Isopropyl Acetate
Concen: 4.895 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

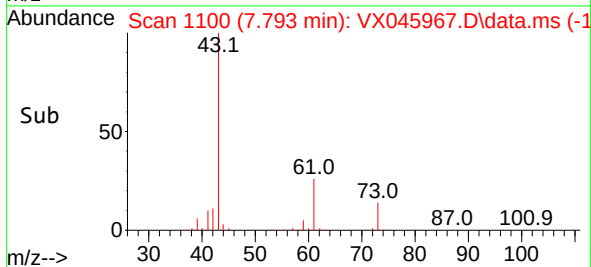
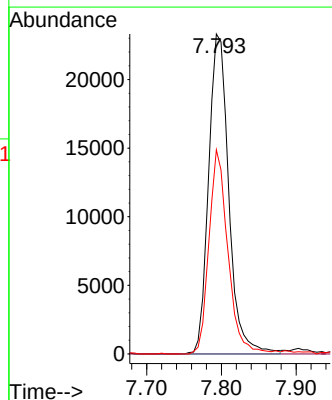
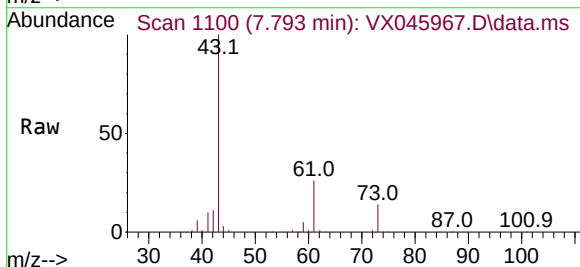
Instrument :
MSVOA_X
ClientSampleId :
WC-3

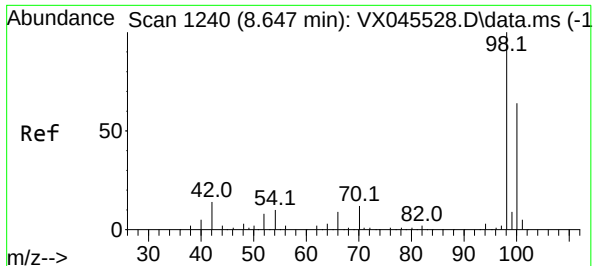
Tgt Ion: 43 Resp: 10992
Ion Ratio Lower Upper
43 100
61 16.5 14.1 21.1
87 10.5 9.2 13.8



#48
Methyl methacrylate
Concen: 37.674 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 41 Resp: 43684
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 59.8 53.6 80.4





#50

Toluene-d8

Concen: 51.661 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045967.D

Acq: 28 Apr 2025 19:19

Instrument :

MSVOA_X

ClientSampleId :

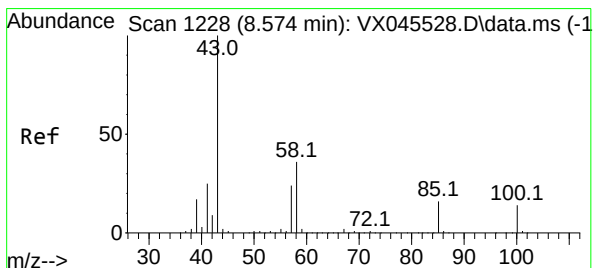
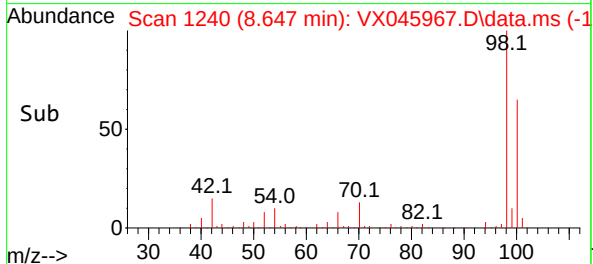
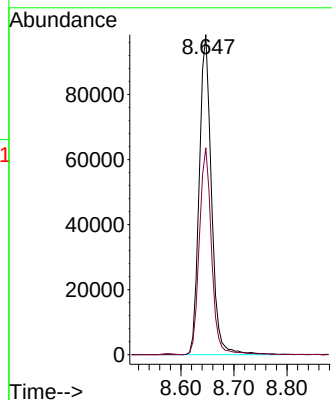
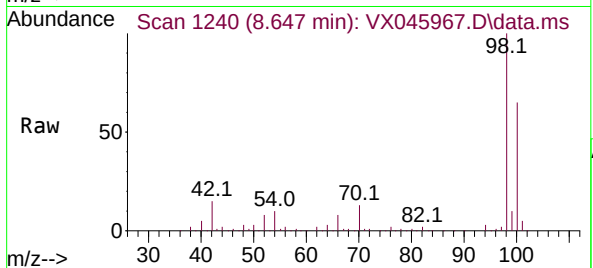
WC-3

Tgt Ion: 98 Resp: 157024

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 25.259 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. -0.030 min

Lab File: VX045967.D

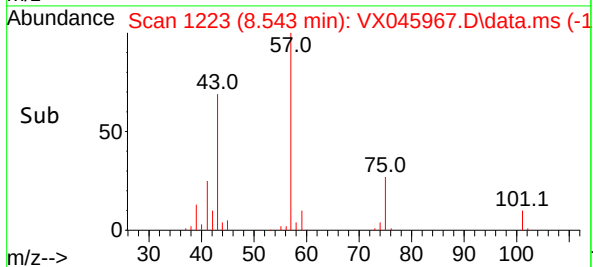
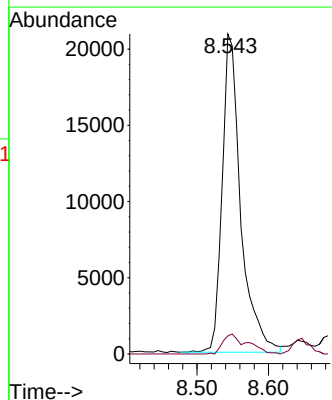
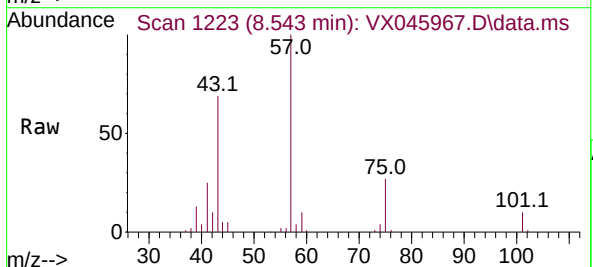
Acq: 28 Apr 2025 19:19

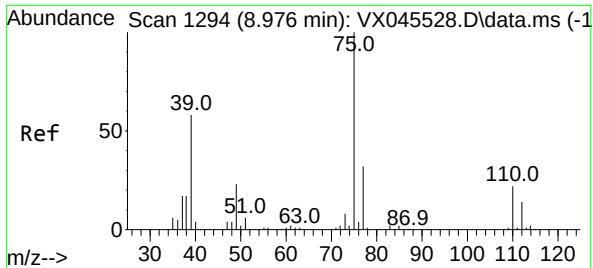
Tgt Ion: 43 Resp: 37604

Ion Ratio Lower Upper

43 100

58 8.3 28.5 42.7#

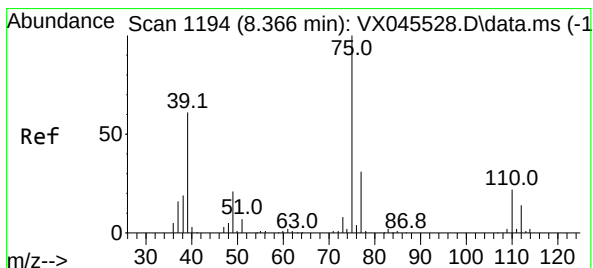
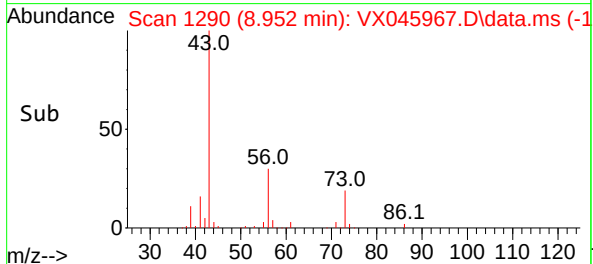
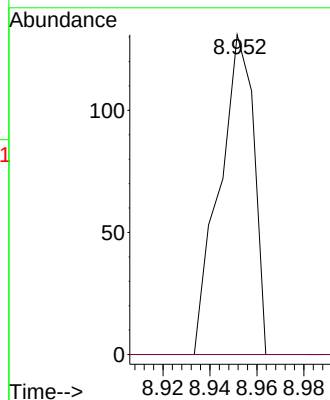
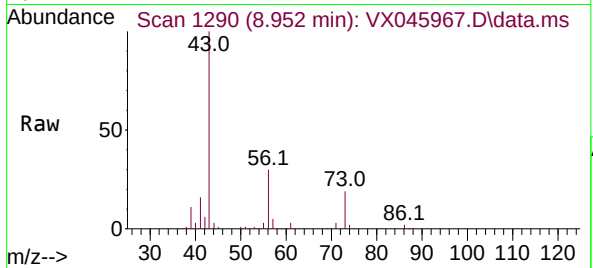




#53
 t-1,3-Dichloropropene
 Concen: 2.385 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX045967.D
 Acq: 28 Apr 2025 19:19

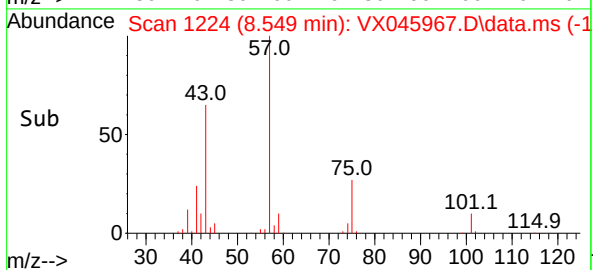
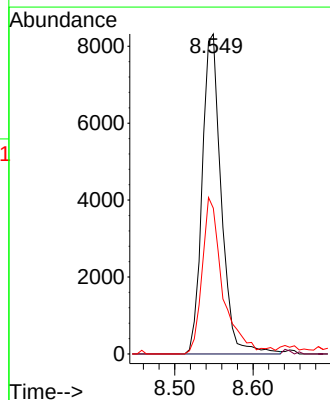
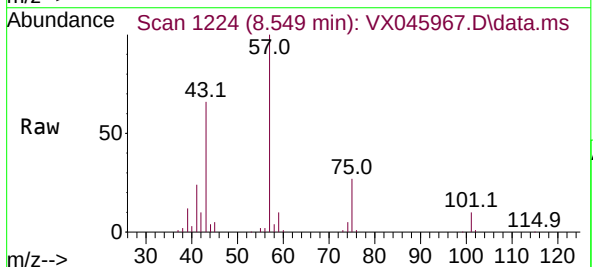
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

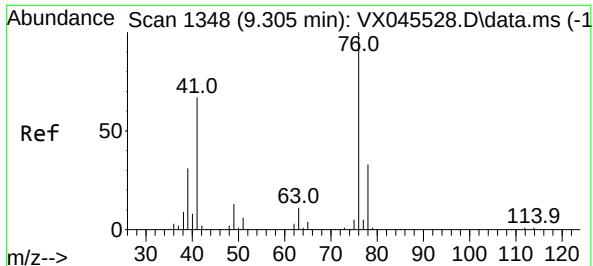
Tgt Ion: 75 Resp: 133
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.877 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX045967.D
 Acq: 28 Apr 2025 19:19

Tgt Ion: 75 Resp: 14039
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 45.6 48.4 72.6#

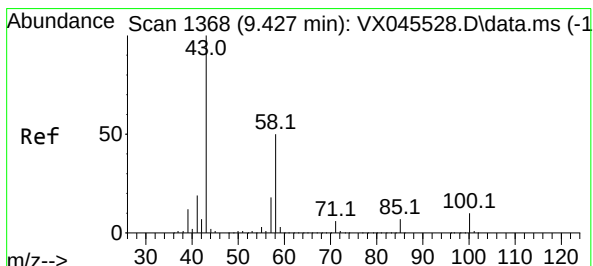
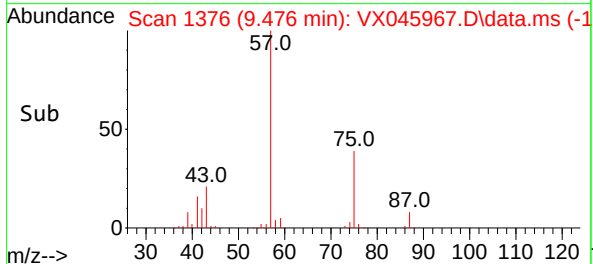
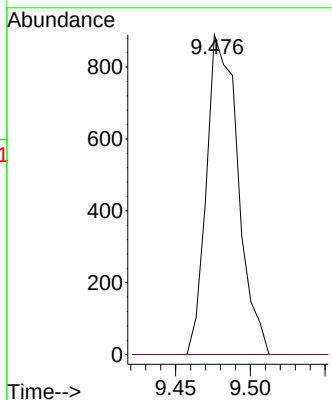
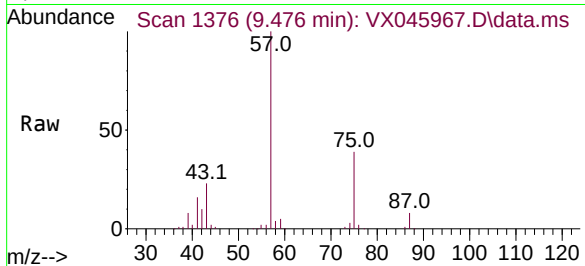




#57
1,3-Dichloropropane
Concen: 0.864 ug/l
RT: 9.476 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

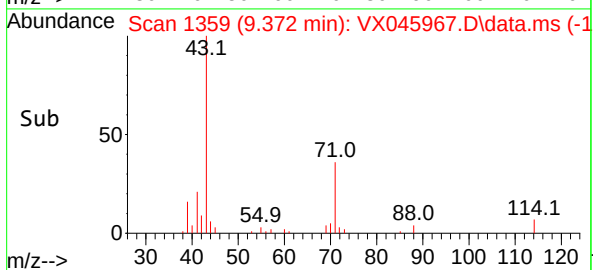
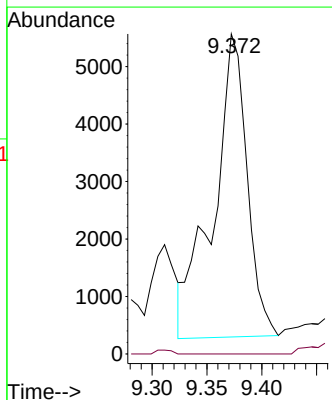
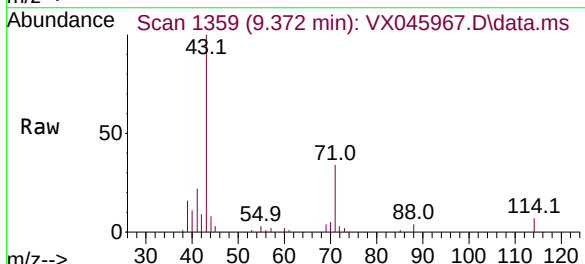
Instrument :
MSVOA_X
ClientSampleId :
WC-3

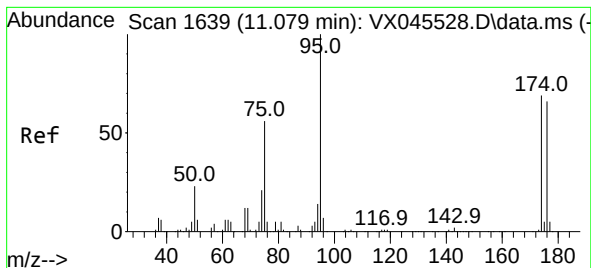
Tgt Ion: 76 Resp: 1303
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 10.223 ug/l
RT: 9.372 min Scan# 1359
Delta R.T. -0.055 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 43 Resp: 11270
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#

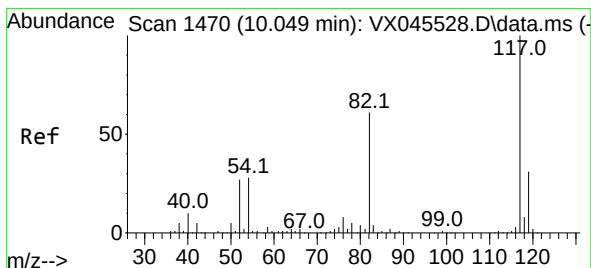
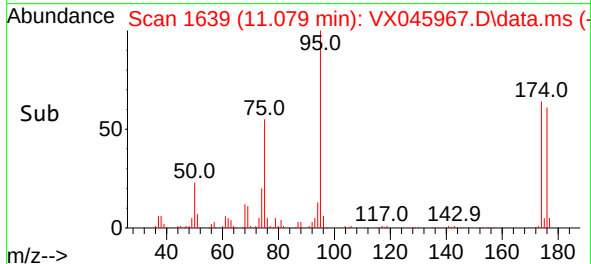
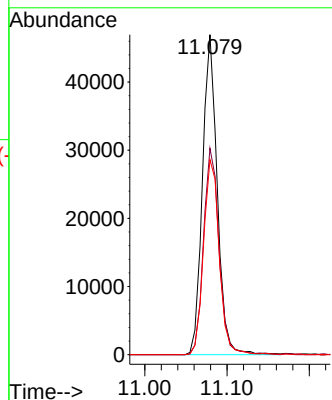
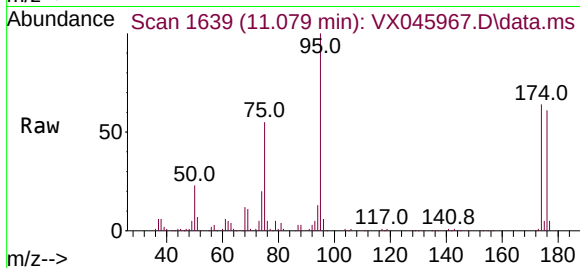




#62
4-Bromofluorobenzene
Concen: 52.969 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

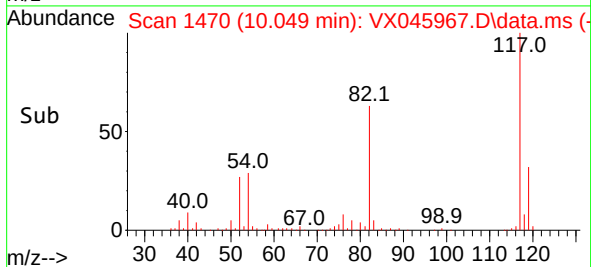
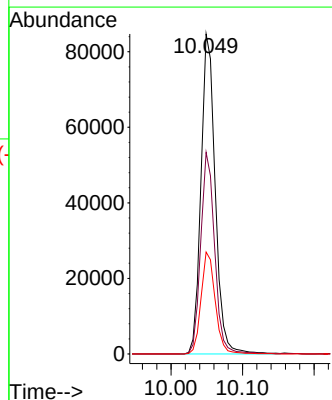
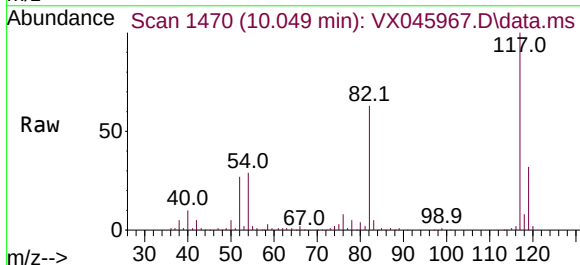
Instrument :
MSVOA_X
ClientSampleId :
WC-3

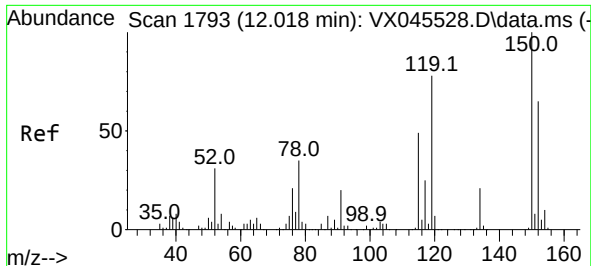
Tgt Ion: 95 Resp: 58644
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 64.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045967.D
Acq: 28 Apr 2025 19:19

Tgt Ion: 117 Resp: 117302
Ion Ratio Lower Upper
117 100
82 63.0 49.2 73.8
119 31.9 25.1 37.7

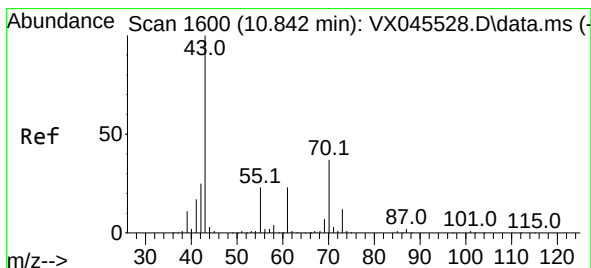
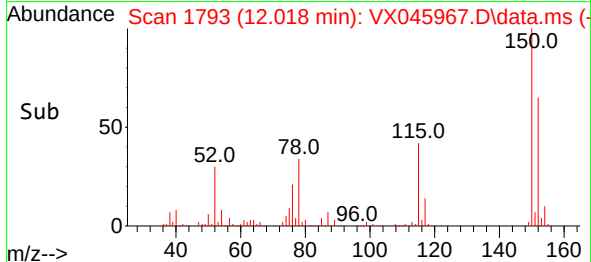
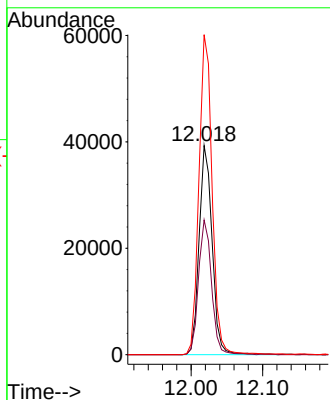
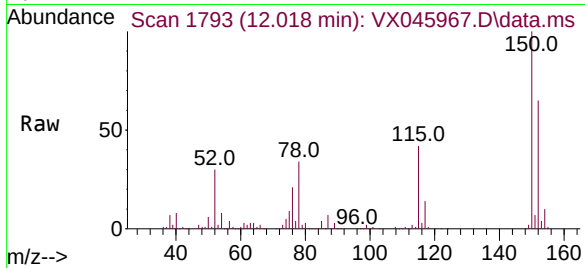




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX045967.D
 Acq: 28 Apr 2025 19:19

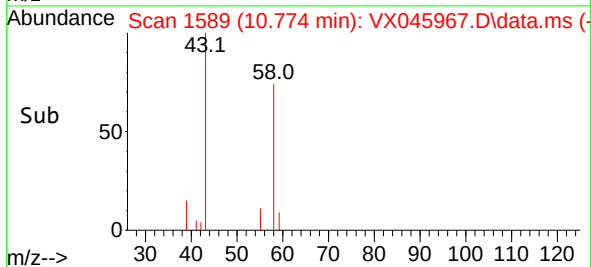
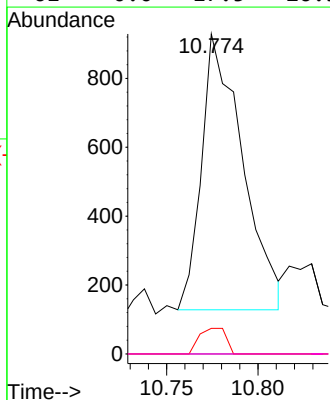
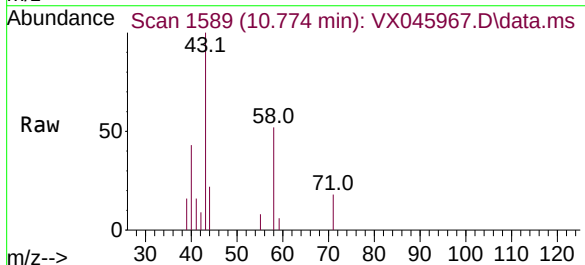
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

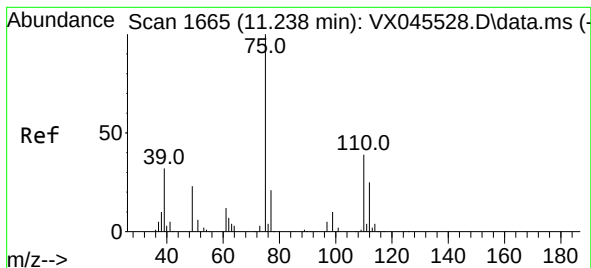
Tgt Ion:152 Resp: 49703
 Ion Ratio Lower Upper
 152 100
 115 64.3 46.9 140.7
 150 154.7 0.0 349.4



#74
 N-ethyl acetate
 Concen: 0.656 ug/l
 RT: 10.774 min Scan# 1589
 Delta R.T. -0.067 min
 Lab File: VX045967.D
 Acq: 28 Apr 2025 19:19

Tgt Ion: 43 Resp: 1249
 Ion Ratio Lower Upper
 43 100
 70 0.0 30.1 45.1#
 55 6.0 18.3 27.5#
 61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 27.679 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045967.D

Acq: 28 Apr 2025 19:19

Instrument :

MSVOA_X

ClientSampleId :

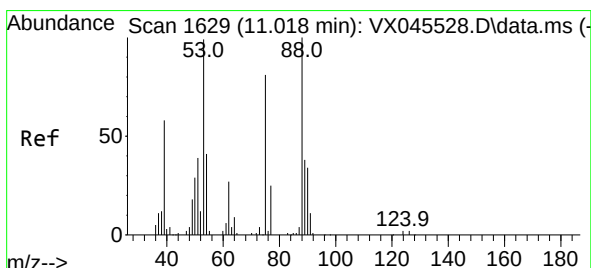
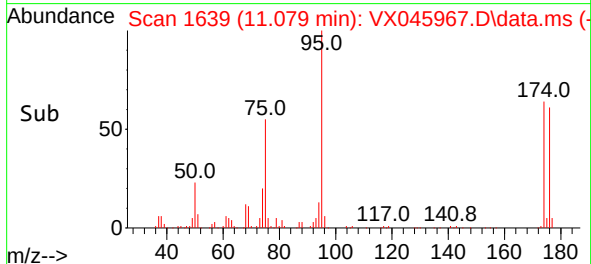
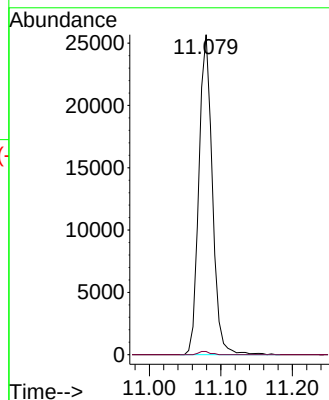
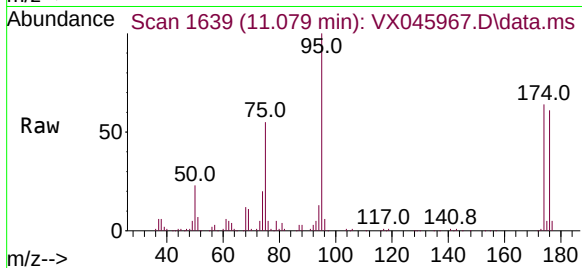
WC-3

Tgt Ion: 75 Resp: 33557

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.938 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045967.D

Acq: 28 Apr 2025 19:19

Tgt Ion: 75 Resp: 33557

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

