

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048219.D
 Acq On : 17 Oct 2025 17:36
 Operator : JC/MD
 Sample : Q3357-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

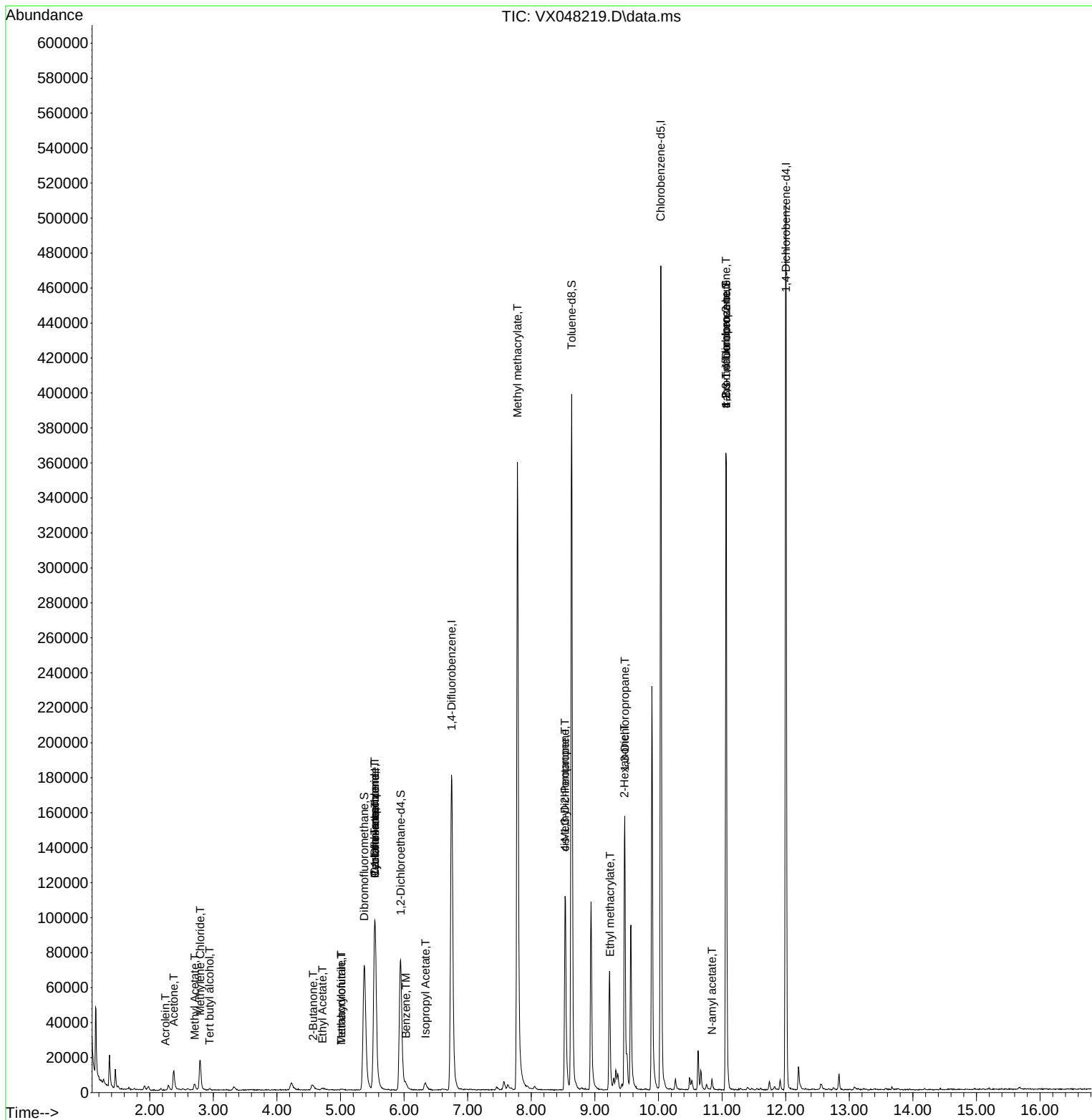
Quant Time: Oct 18 00:22:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

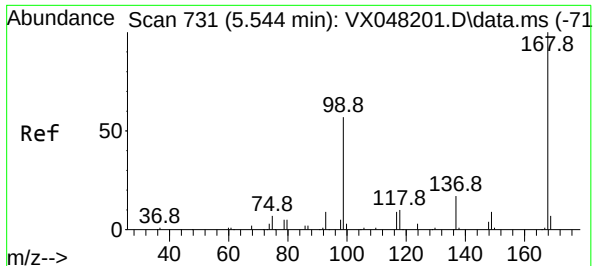
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	103417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	202917	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83705	52.246	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	104.500%	
35) Dibromofluoromethane	5.373	113	70043	49.736	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.480%	
50) Toluene-d8	8.634	98	244052	48.103	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	96.200%	
62) 4-Bromofluorobenzene	11.061	95	107766	58.318	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	116.640%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.940	59	504	4.741	ug/l #	72
13) Acrolein	2.245	56	93	0.416	ug/l #	61
16) Acetone	2.380	43	14934	27.325	ug/l	97
18) Methyl Acetate	2.709	43	5060	4.546	ug/l	100
20) Methylene Chloride	2.794	84	8495	6.380	ug/l	95
25) 2-Butanone	4.568	43	6452	10.133	ug/l #	78
29) Tetrahydrofuran	5.013	42	411	1.099	ug/l #	43
31) Cyclohexane	5.544	56	2148	1.096	ug/l #	20
36) 1,1-Dichloropropene	5.537	75	8074	4.070	ug/l #	51
37) Ethyl Acetate	4.714	43	1219	0.769	ug/l #	78
38) Carbon Tetrachloride	5.537	117	10635	4.670	ug/l #	15
40) Benzene	6.031	78	3371	0.572	ug/l	96
41) Methacrylonitrile	5.013	41	286	0.337	ug/l #	26
43) Isopropyl Acetate	6.336	43	6270	2.356	ug/l	99
48) Methyl methacrylate	7.781	41	36598	26.863	ug/l #	44
51) 4-Methyl-2-Pentanone	8.531	43	43583	29.428	ug/l #	52
54) cis-1,3-Dichloropropene	8.531	75	20341	8.592	ug/l #	59
56) Ethyl methacrylate	9.238	69	470	0.262	ug/l #	1
57) 1,3-Dichloropropane	9.470	76	1473	0.638	ug/l #	43
59) 2-Hexanone	9.464	43	20907	20.182	ug/l #	56
74) N-amyl acetate	10.841	43	1158	0.394	ug/l #	23
76) 1,2,3-Trichloropropane	11.061	75	55309	31.943	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	55309	78.216	ug/l #	10

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

Quant Time: Oct 18 00:22:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



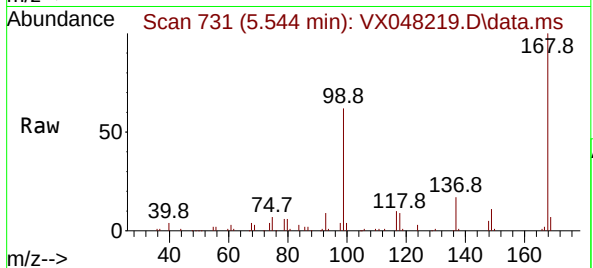


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

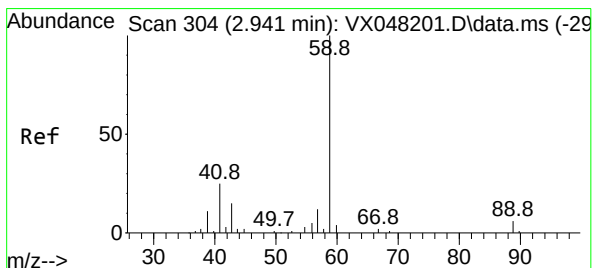
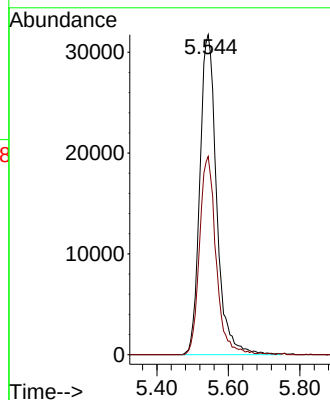
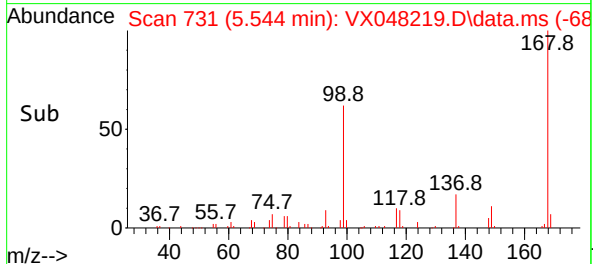
Instrument :

MSVOA_X

ClientSampleId :

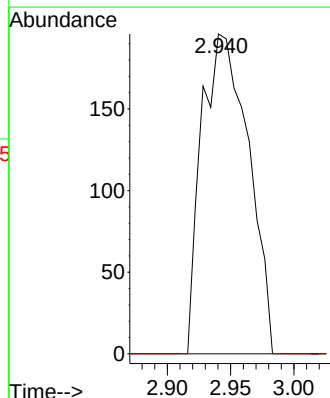
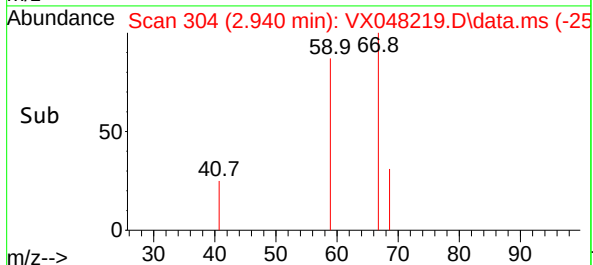
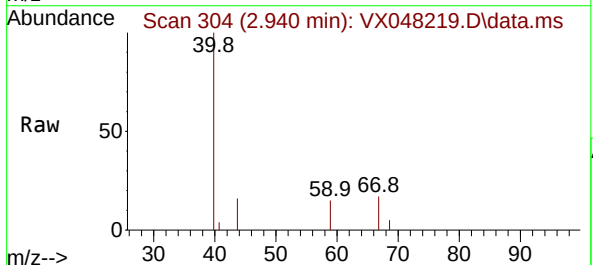


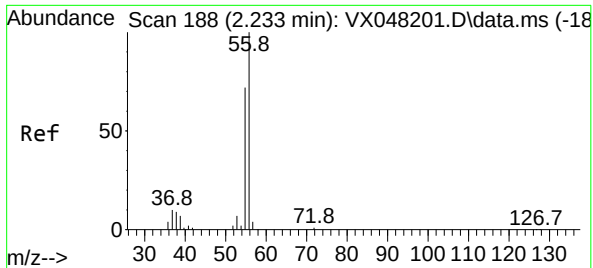
Tgt Ion:168 Resp: 103417
Ion Ratio Lower Upper
168 100
99 61.9 46.4 69.6



#11
Tert butyl alcohol
Concen: 4.741 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

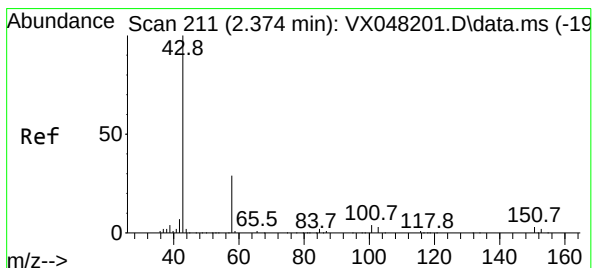
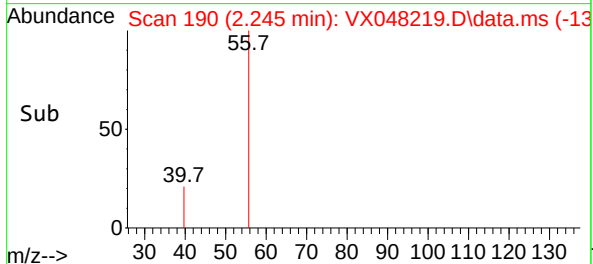
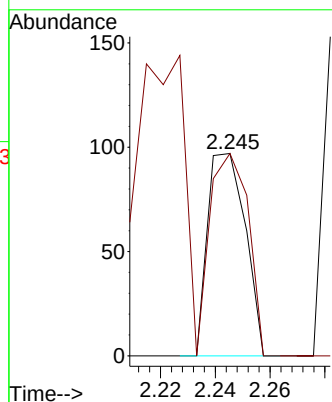
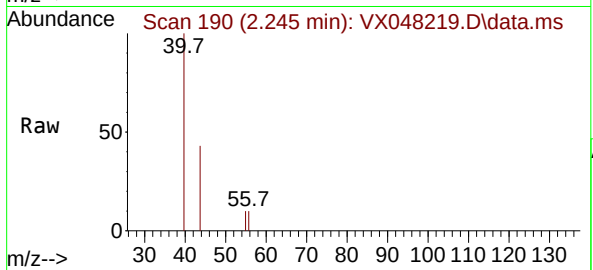




#13
Acrolein
Concen: 0.416 ug/l
RT: 2.245 min Scan# 19
Delta R.T. 0.012 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

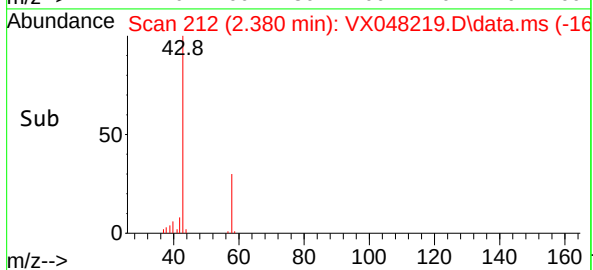
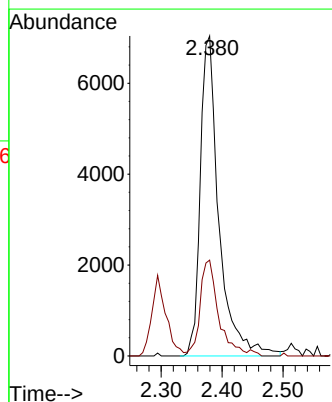
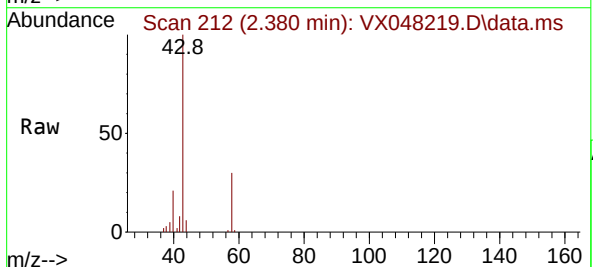
Instrument :
MSVOA_X
ClientSampleId :

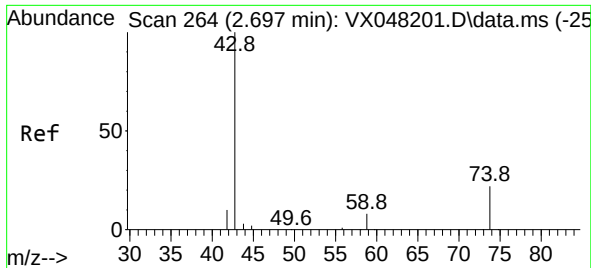
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 102.2 56.1 84.1#



#16
Acetone
Concen: 27.325 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 43 Resp: 14934
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.2

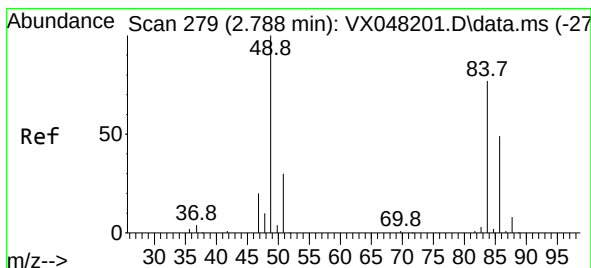
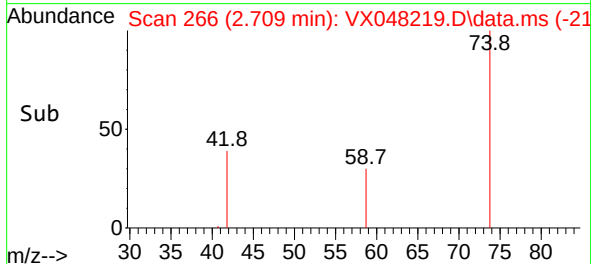
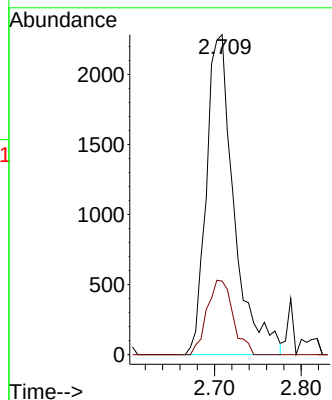
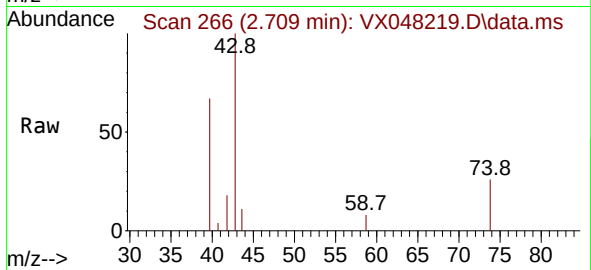




#18
Methyl Acetate
Concen: 4.546 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

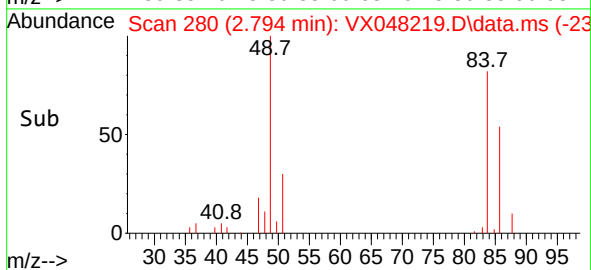
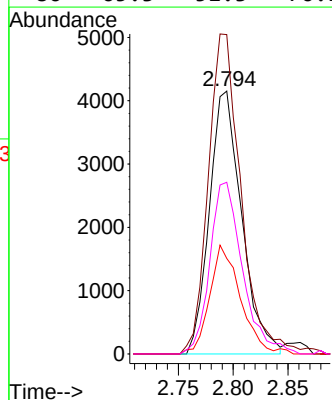
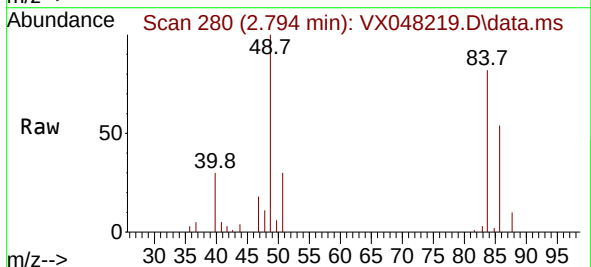
Instrument :
MSVOA_X
ClientSampleId :

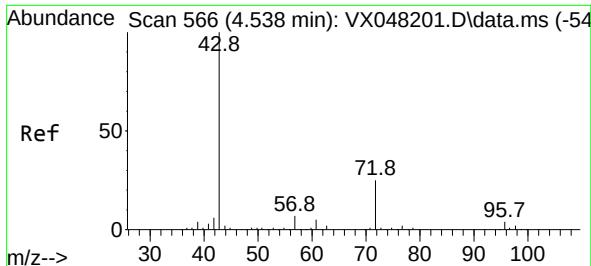
Tgt Ion: 43 Resp: 5060
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3



#20
Methylene Chloride
Concen: 6.380 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 84 Resp: 8495
Ion Ratio Lower Upper
84 100
49 121.5 104.1 156.1
51 36.3 31.3 46.9
86 65.3 51.3 76.9

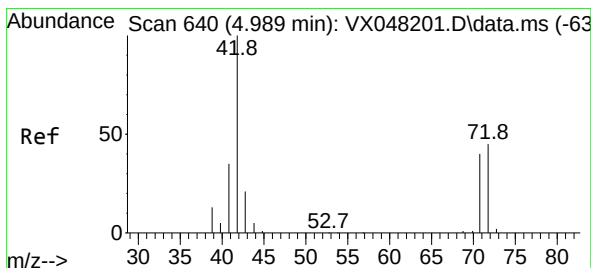
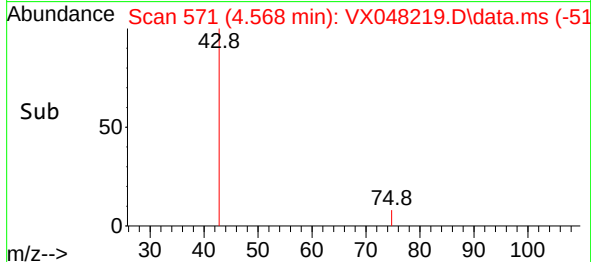
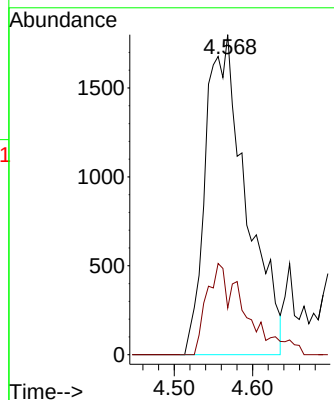
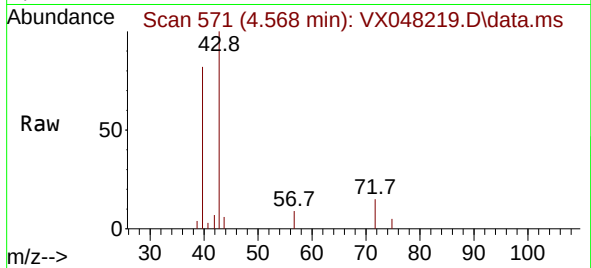




#25
2-Butanone
Concen: 10.133 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

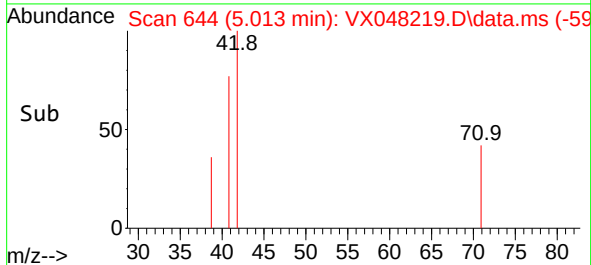
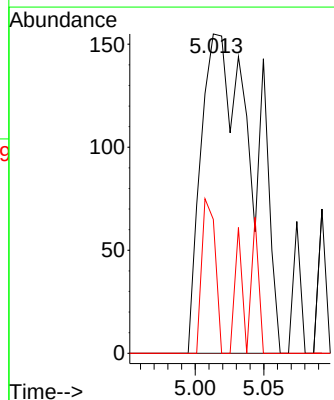
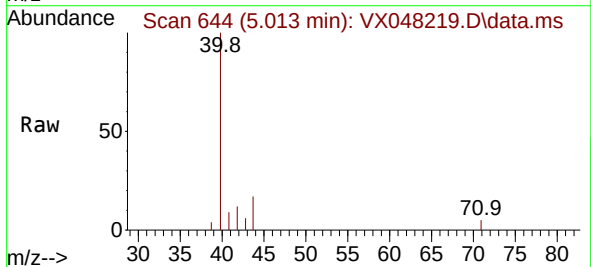
Instrument :
MSVOA_X
ClientSampleId :

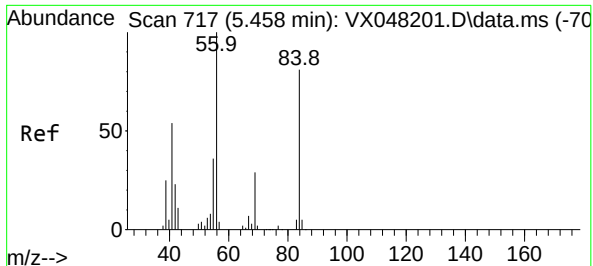
Tgt Ion: 43 Resp: 6452
Ion Ratio Lower Upper
43 100
72 13.8 19.9 29.9#



#29
Tetrahydrofuran
Concen: 1.099 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

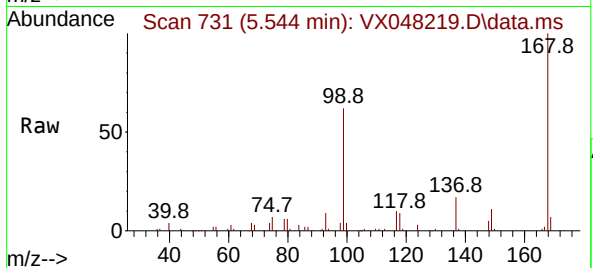
Tgt Ion: 42 Resp: 411
Ion Ratio Lower Upper
42 100
72 0.0 35.3 52.9#
71 12.4 32.2 48.4#



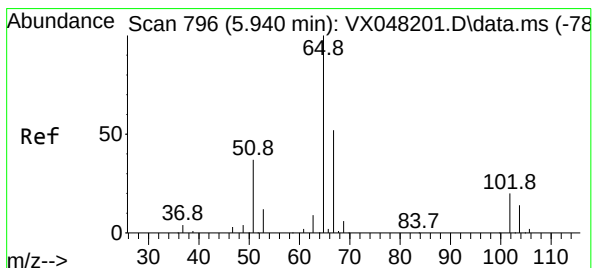
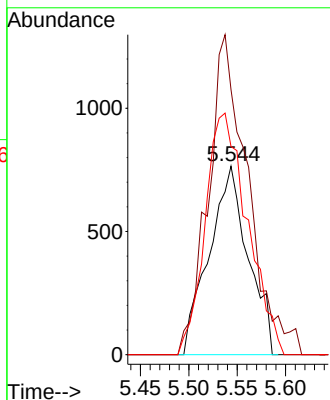
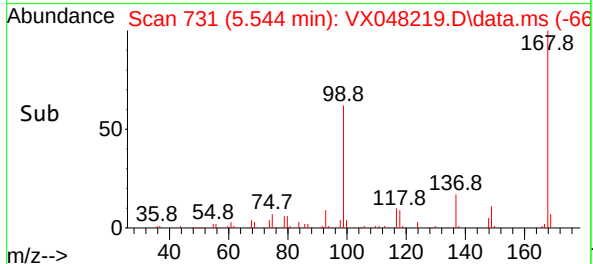


#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :

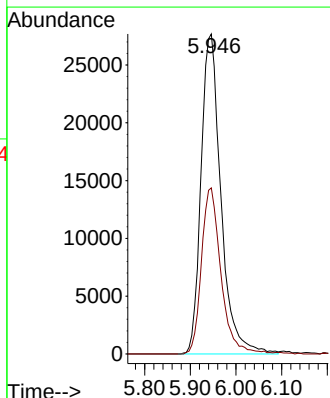
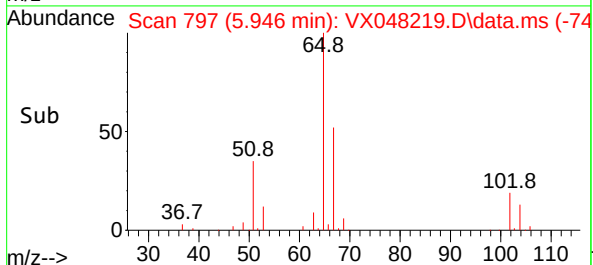
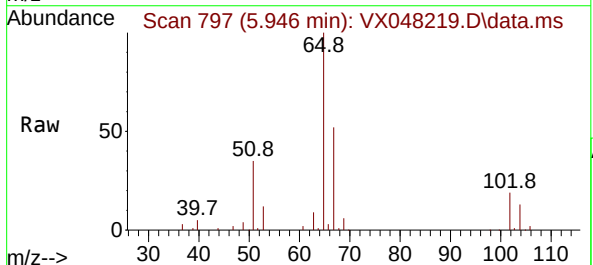


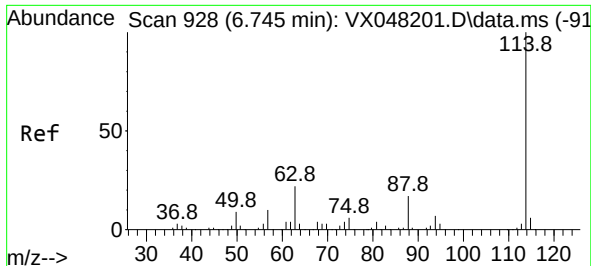
Tgt Ion: 56 Resp: 2148
Ion Ratio Lower Upper
56 100
69 140.7 23.0 34.6#
84 110.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 52.246 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

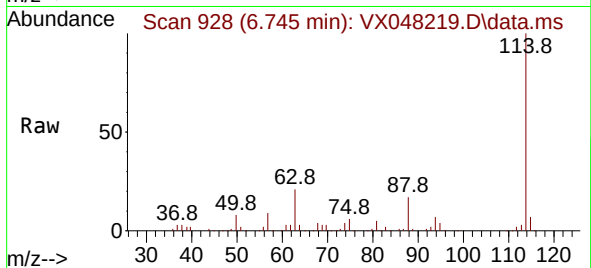
Tgt Ion: 65 Resp: 83705
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.0



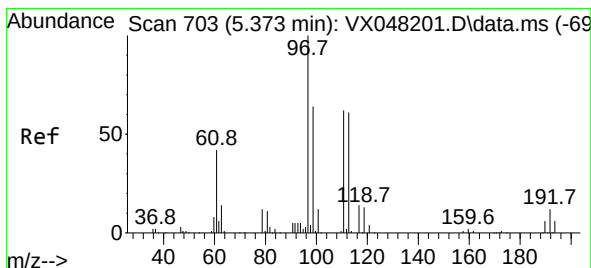
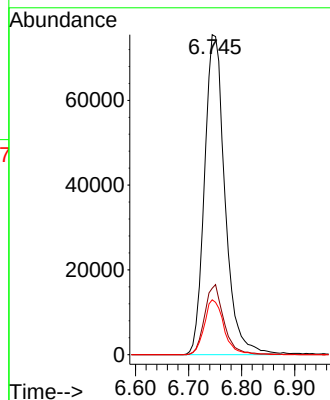
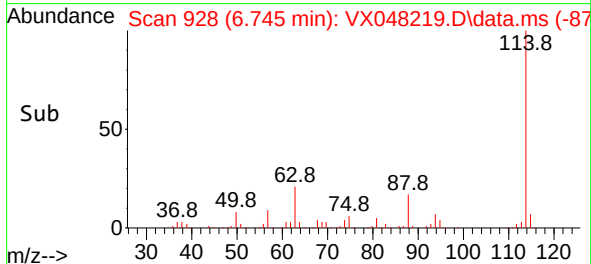


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :

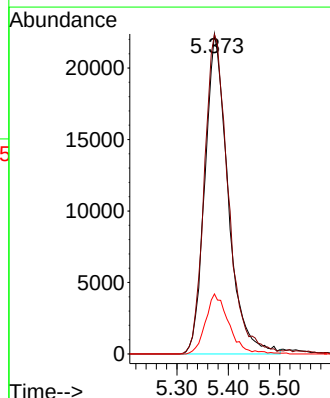
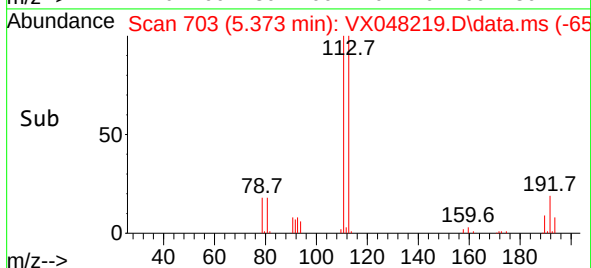
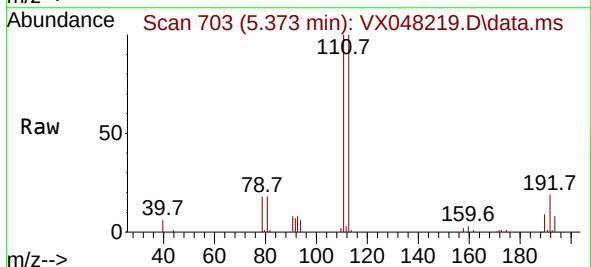


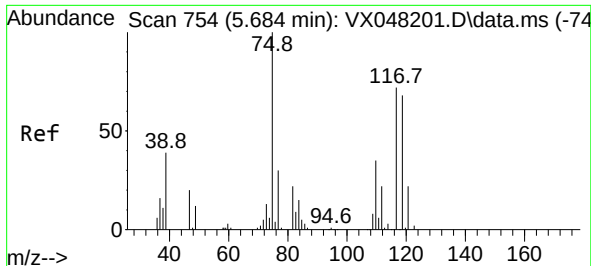
Tgt Ion:114 Resp: 202917
Ion Ratio Lower Upper
114 100
63 20.8 0.0 43.2
88 17.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.736 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

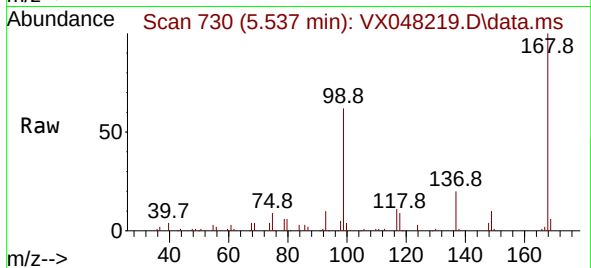
Tgt Ion:113 Resp: 70043
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 19.0 15.1 22.7



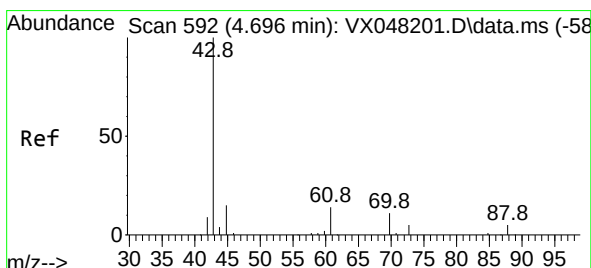
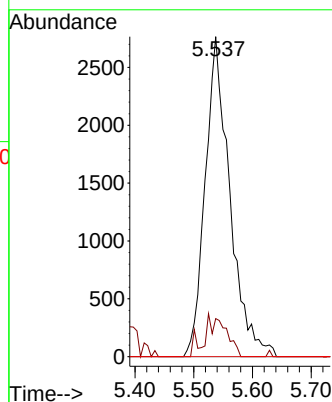
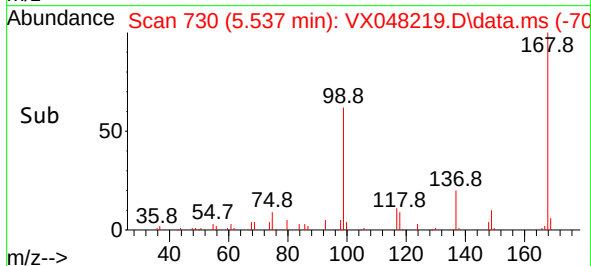


#36
1,1-Dichloropropene
Concen: 4.070 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :

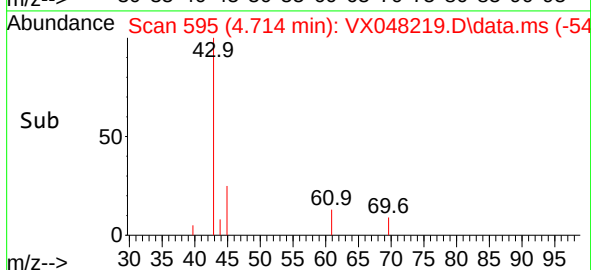
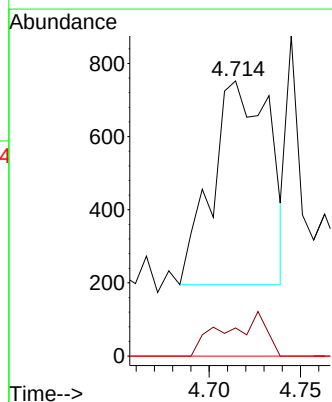
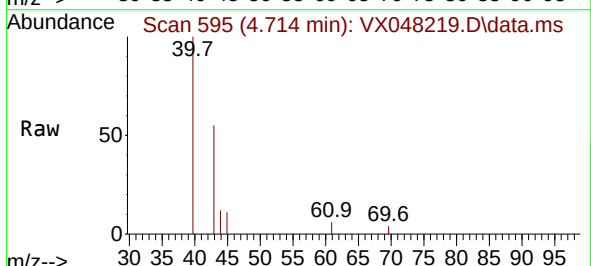


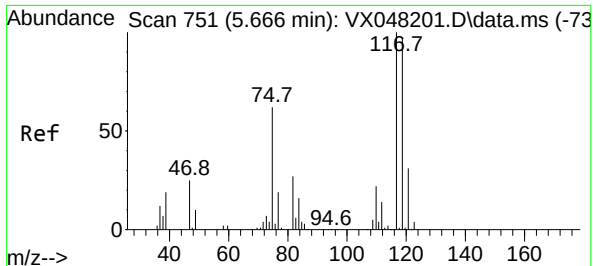
Tgt Ion: 75 Resp: 8074
Ion Ratio Lower Upper
75 100
110 9.7 17.7 53.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.769 ug/l
RT: 4.714 min Scan# 595
Delta R.T. 0.018 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

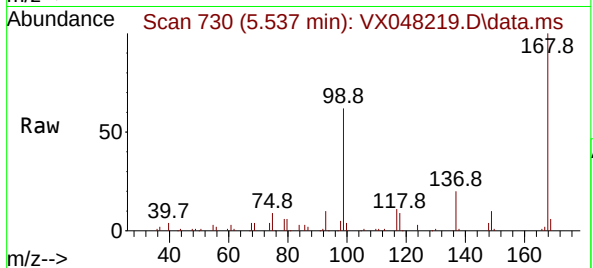
Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
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61 6.0 10.6 15.8#
70 0.0 7.8 11.6#



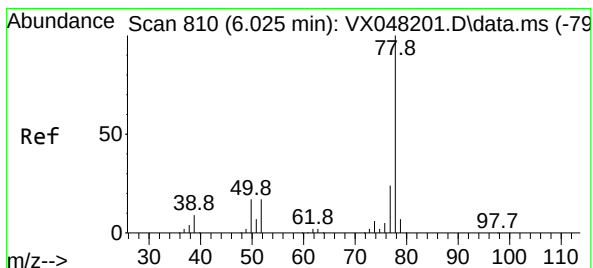
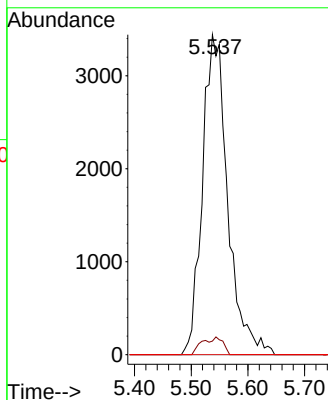
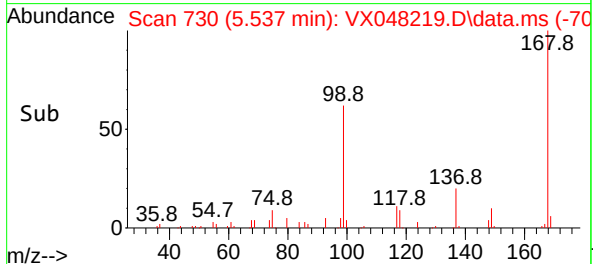


#38
Carbon Tetrachloride
Concen: 4.670 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :

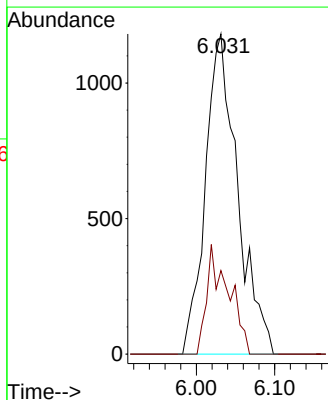
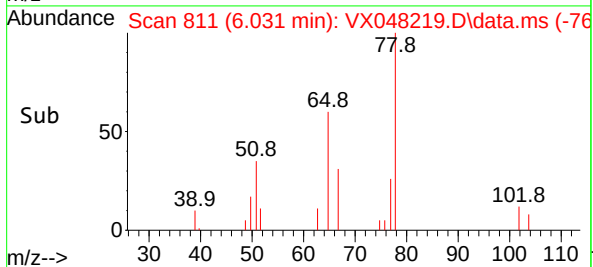
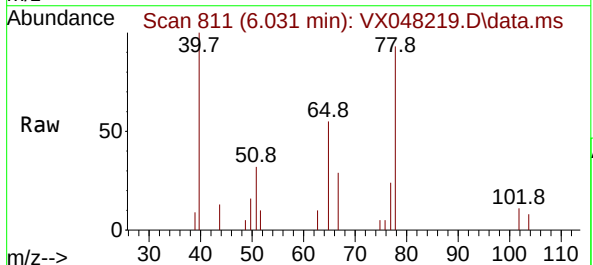


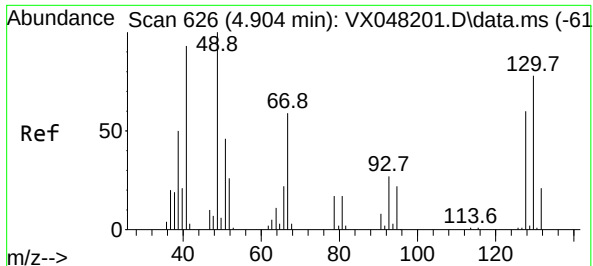
Tgt Ion:117 Resp: 10635
Ion Ratio Lower Upper
117 100
119 4.3 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.572 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 78 Resp: 3371
Ion Ratio Lower Upper
78 100
77 26.1 19.3 28.9

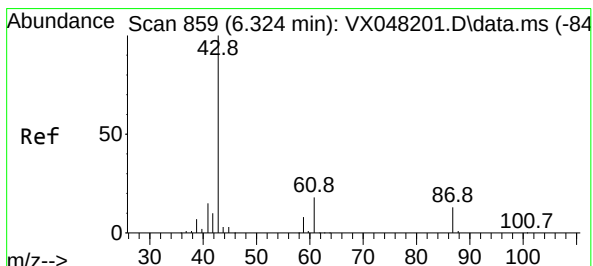
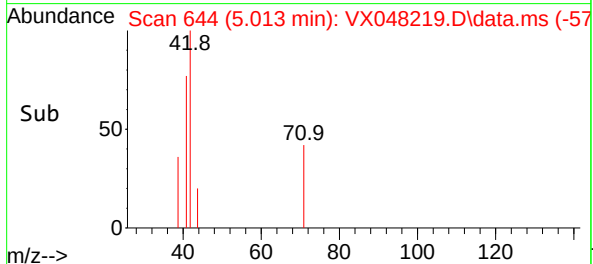
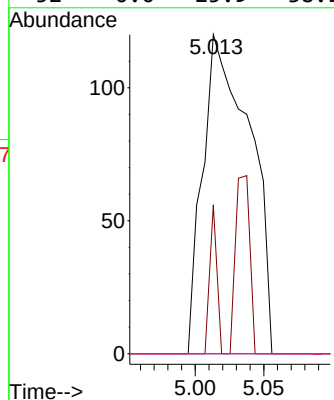
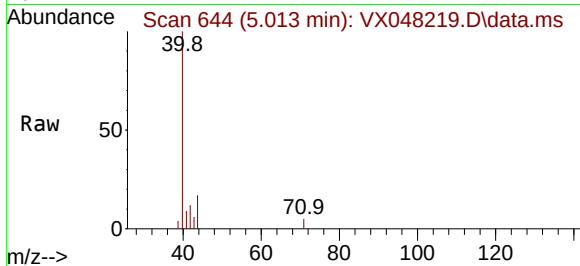




#41
Methacrylonitrile
Concen: 0.337 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.110 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

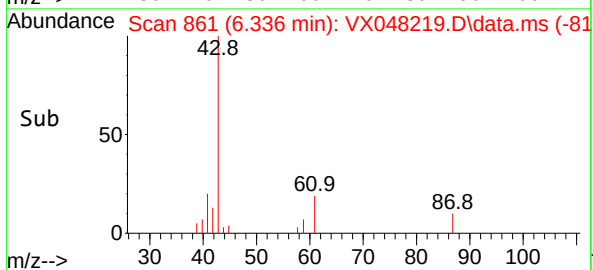
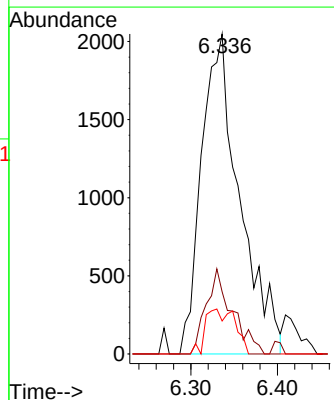
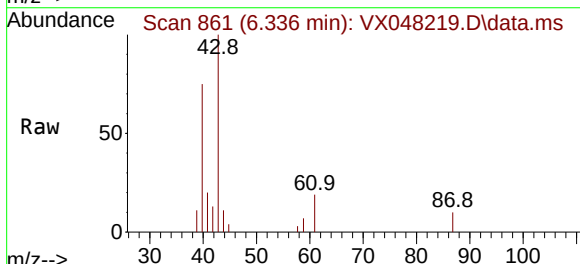
Instrument :
MSVOA_X
ClientSampleId :

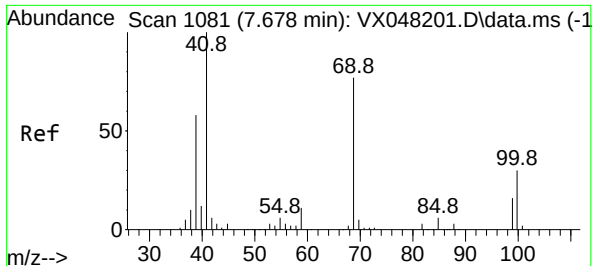
Tgt Ion:	41	Resp:	286
Ion	Ratio	Lower	Upper
41	100		
39	7.0	44.0	66.0#
67	0.0	58.7	88.1#
52	0.0	25.9	38.9#



#43
Isopropyl Acetate
Concen: 2.356 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.012 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion:	43	Resp:	6270
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	10.9	9.4	14.2

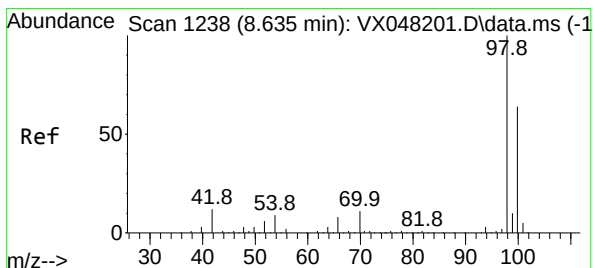
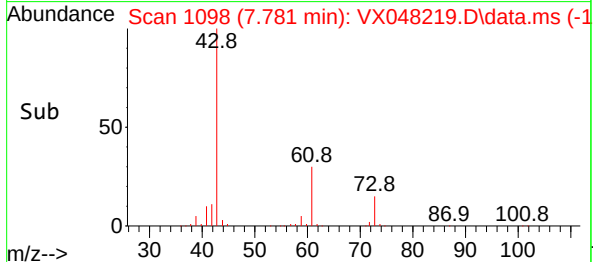
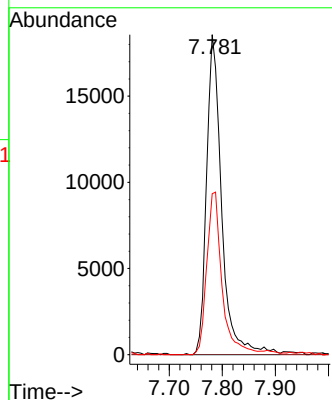
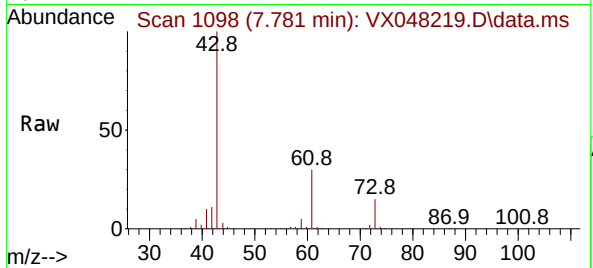




#48
Methyl methacrylate
Concen: 26.863 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.103 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

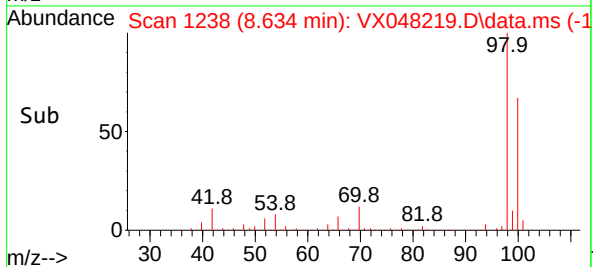
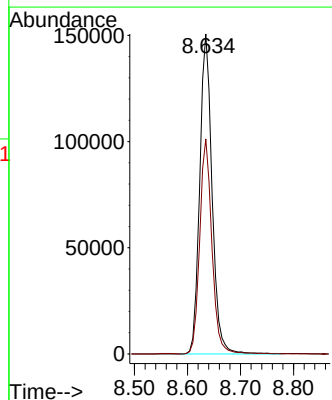
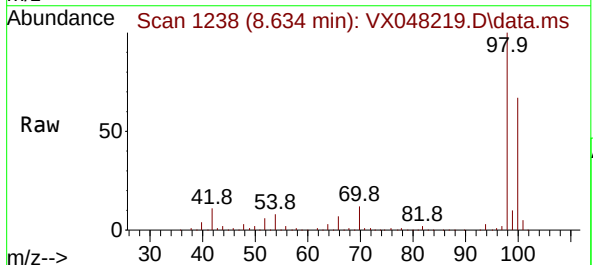
Instrument :
MSVOA_X
ClientSampleId :

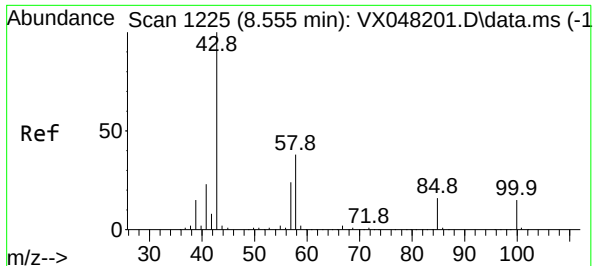
Tgt Ion: 41 Resp: 36598
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 51.4 47.1 70.7



#50
Toluene-d8
Concen: 48.103 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 98 Resp: 244052
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4

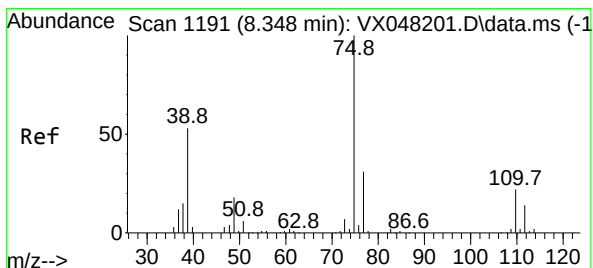
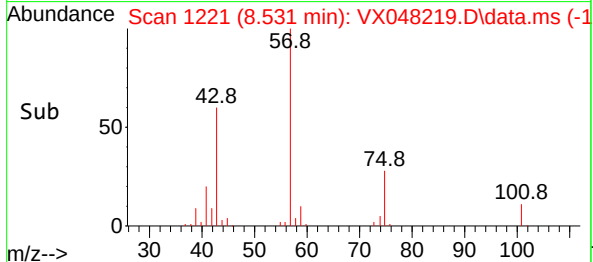
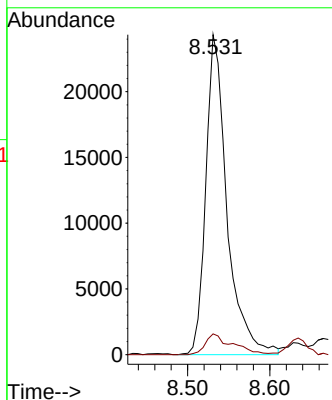
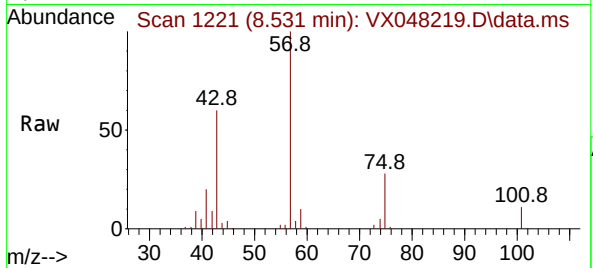




#51
4-Methyl-2-Pentanone
Concen: 29.428 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

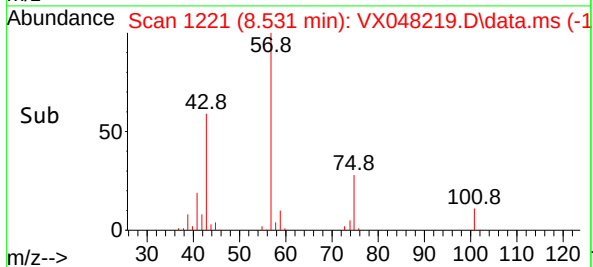
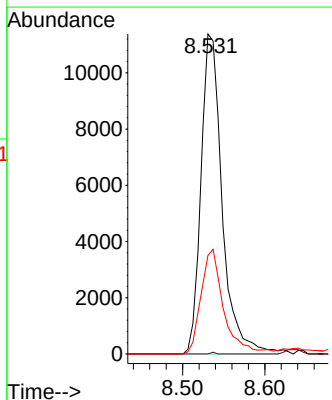
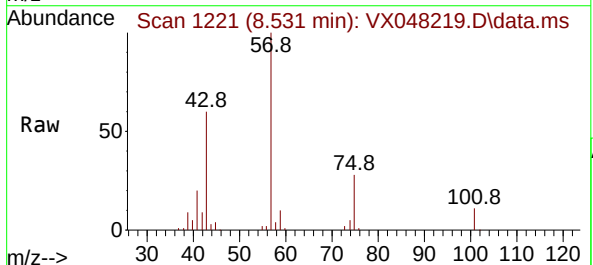
Instrument :
MSVOA_X
ClientSampleId :

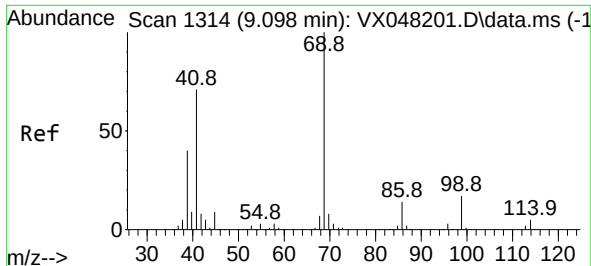
Tgt Ion: 43 Resp: 43583
Ion Ratio Lower Upper
43 100
58 8.3 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 8.592 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 75 Resp: 20341
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 30.8 42.6 64.0#

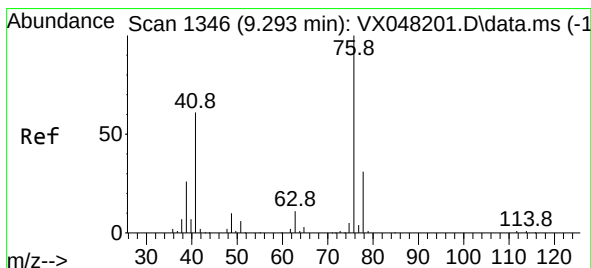
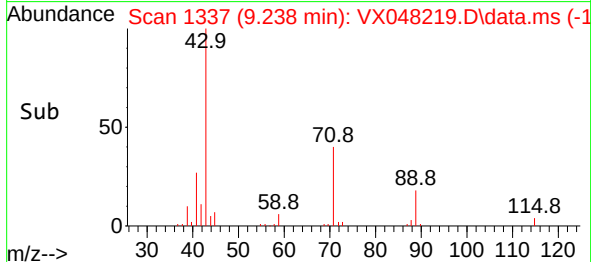
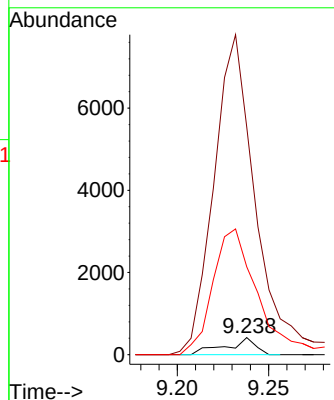
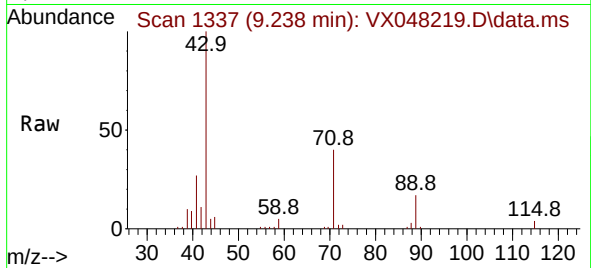




#56
Ethyl methacrylate
Concen: 0.262 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.140 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

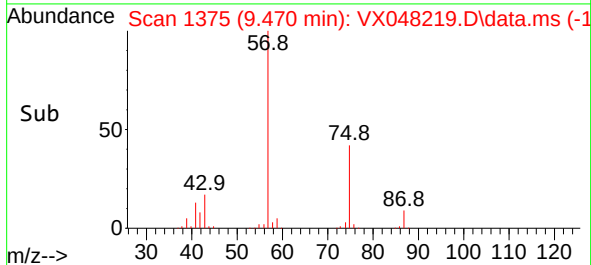
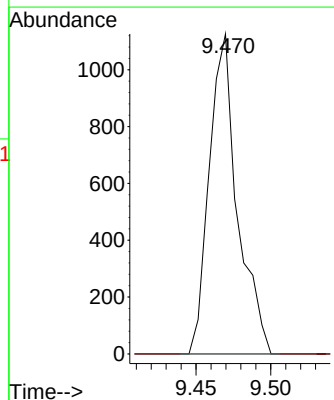
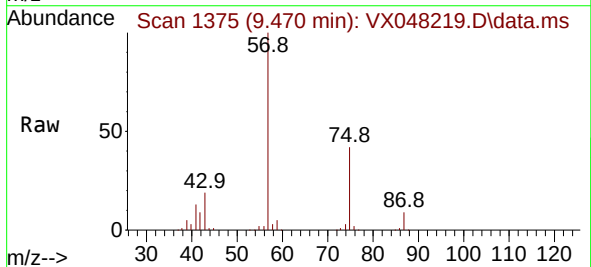
Instrument :
MSVOA_X
ClientSampleId :

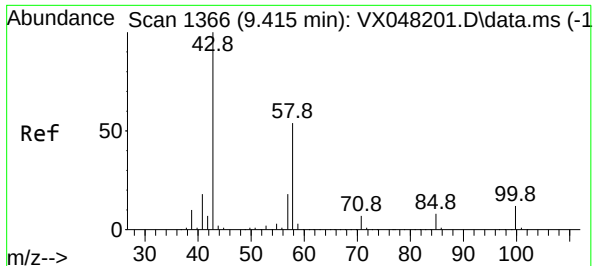
Tgt Ion: 69 Resp: 470
Ion Ratio Lower Upper
69 100
41 2632.8 56.0 84.0#
39 1100.4 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 0.638 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. 0.177 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Tgt Ion: 76 Resp: 1473
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#





#59

2-Hexanone

Concen: 20.182 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX048219.D

Acq: 17 Oct 2025 17:36

Instrument :

MSVOA_X

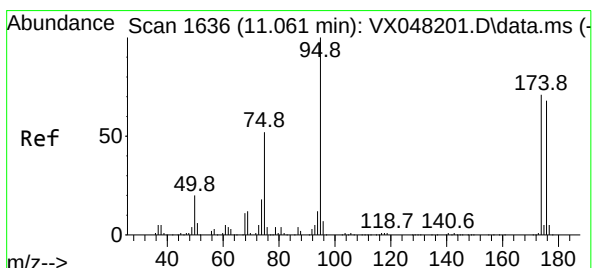
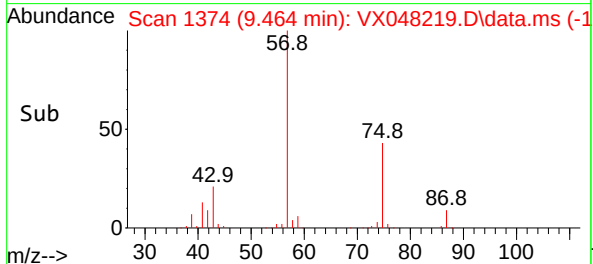
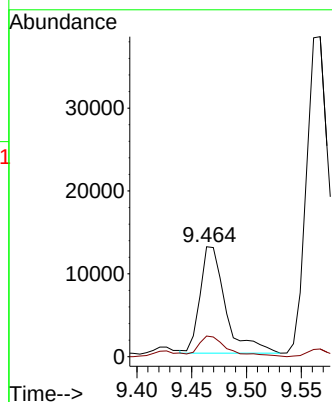
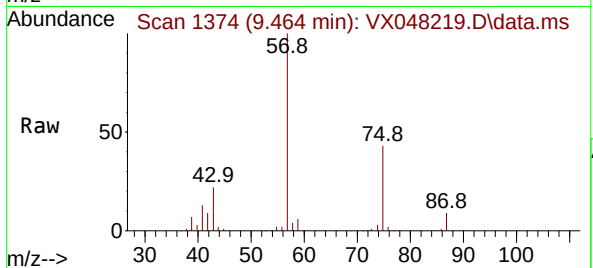
ClientSampleId :

Tgt Ion: 43 Resp: 20907

Ion Ratio Lower Upper

43 100

58 21.4 26.3 78.8#



#62

4-Bromofluorobenzene

Concen: 58.318 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048219.D

Acq: 17 Oct 2025 17:36

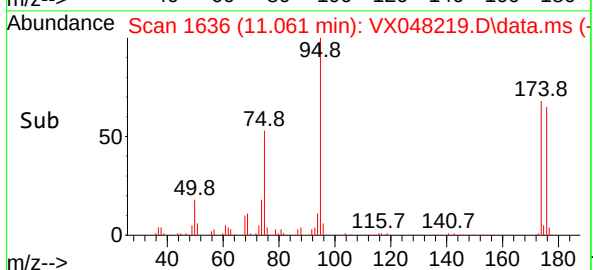
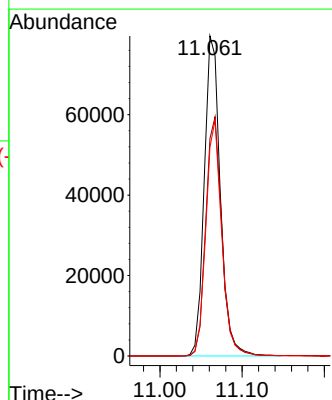
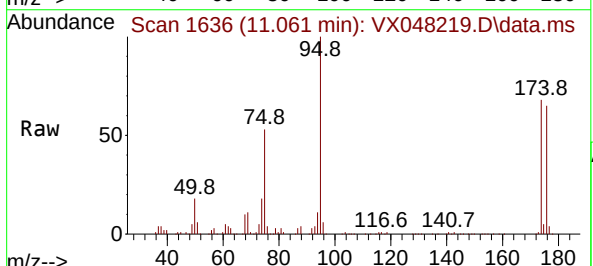
Tgt Ion: 95 Resp: 107766

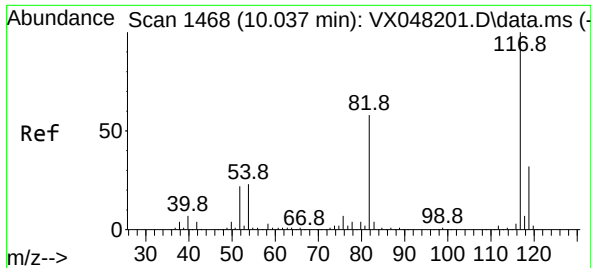
Ion Ratio Lower Upper

95 100

174 75.8 0.0 147.8

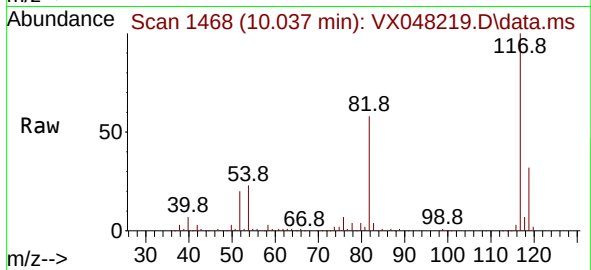
176 72.9 0.0 142.8



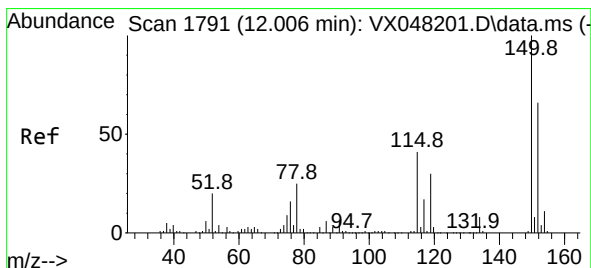
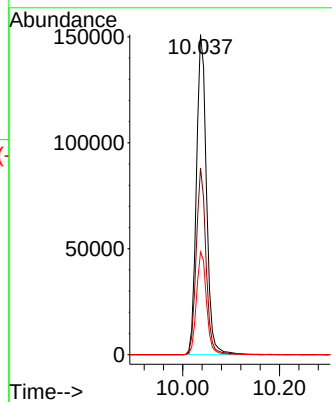
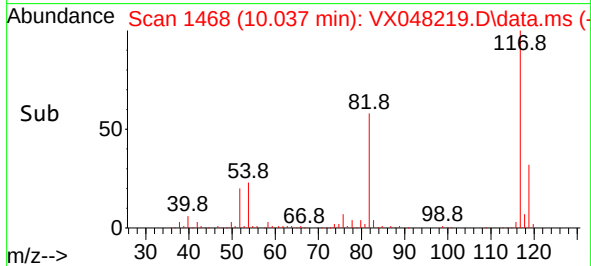


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

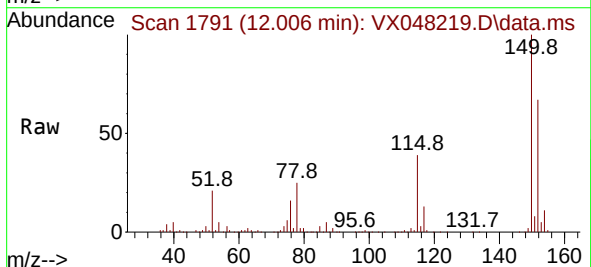
Instrument :
MSVOA_X
ClientSampleId :



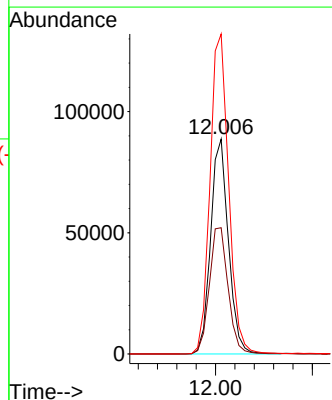
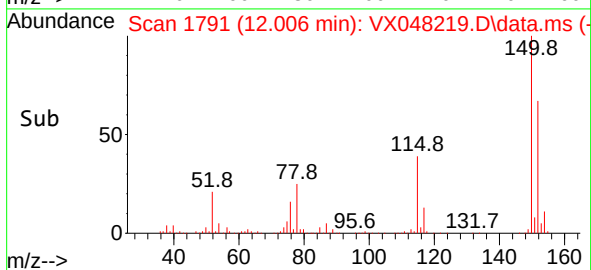
Tgt Ion:117 Resp: 217243
Ion Ratio Lower Upper
117 100
82 58.3 46.5 69.7
119 32.1 25.9 38.9

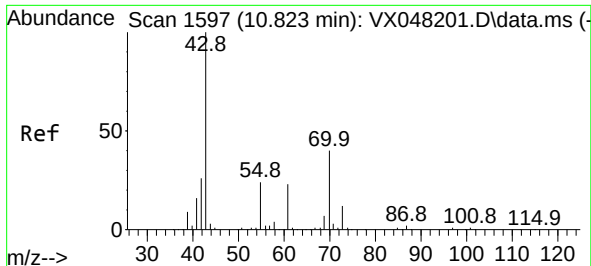


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36



Tgt Ion:152 Resp: 113390
Ion Ratio Lower Upper
152 100
115 62.1 43.1 129.4
150 155.7 0.0 353.0

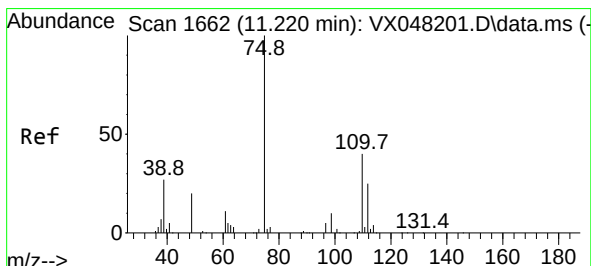
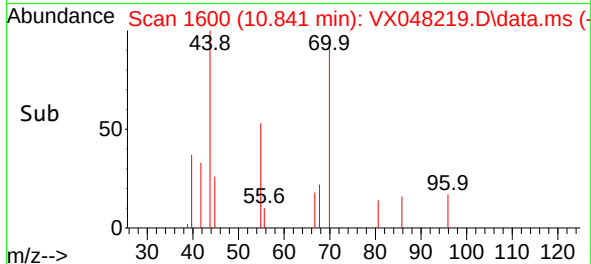
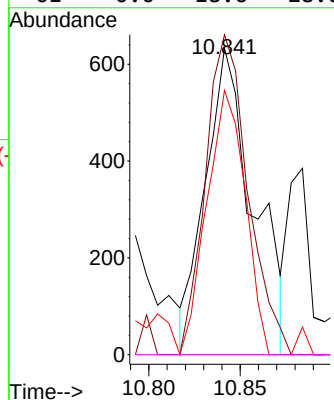
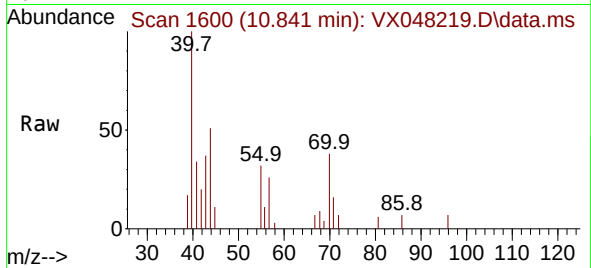




#74
N-amy1 acetate
Concen: 0.394 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.018 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

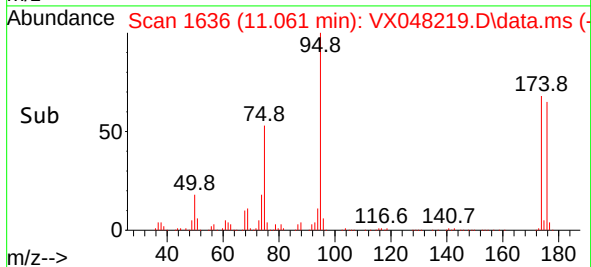
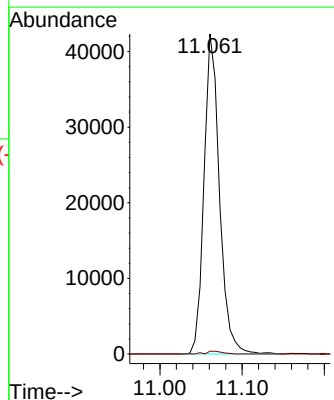
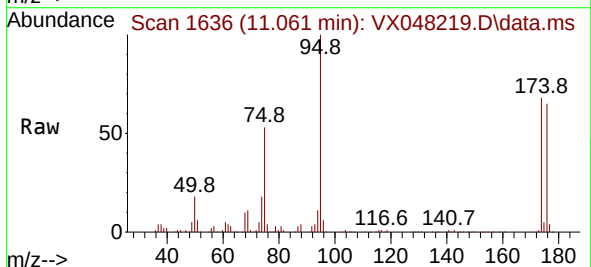
Instrument :
MSVOA_X
ClientSampleId :

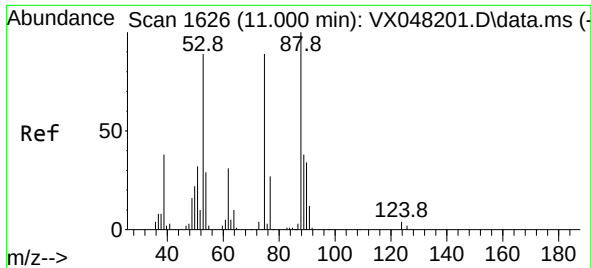
Tgt Ion: 43 Resp: 1158
Ion Ratio Lower Upper
43 100
70 92.7 32.2 48.2#
55 69.0 19.1 28.7#
61 0.0 18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 31.943 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

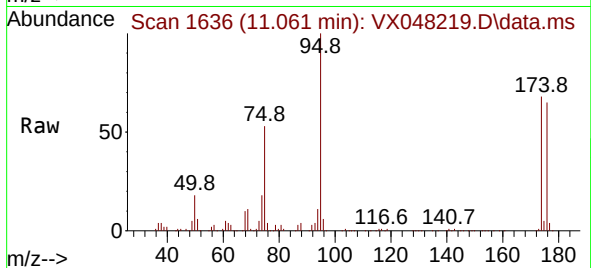
Tgt Ion: 75 Resp: 55309
Ion Ratio Lower Upper
75 100
77 0.9 22.4 67.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.216 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048219.D
Acq: 17 Oct 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 55309
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#

