

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047102.D
 Acq On : 23 Jul 2025 19:00
 Operator : JC/MD
 Sample : Q2481-18 1000X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CC0627-OXL

Quant Time: Jul 24 05:57:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

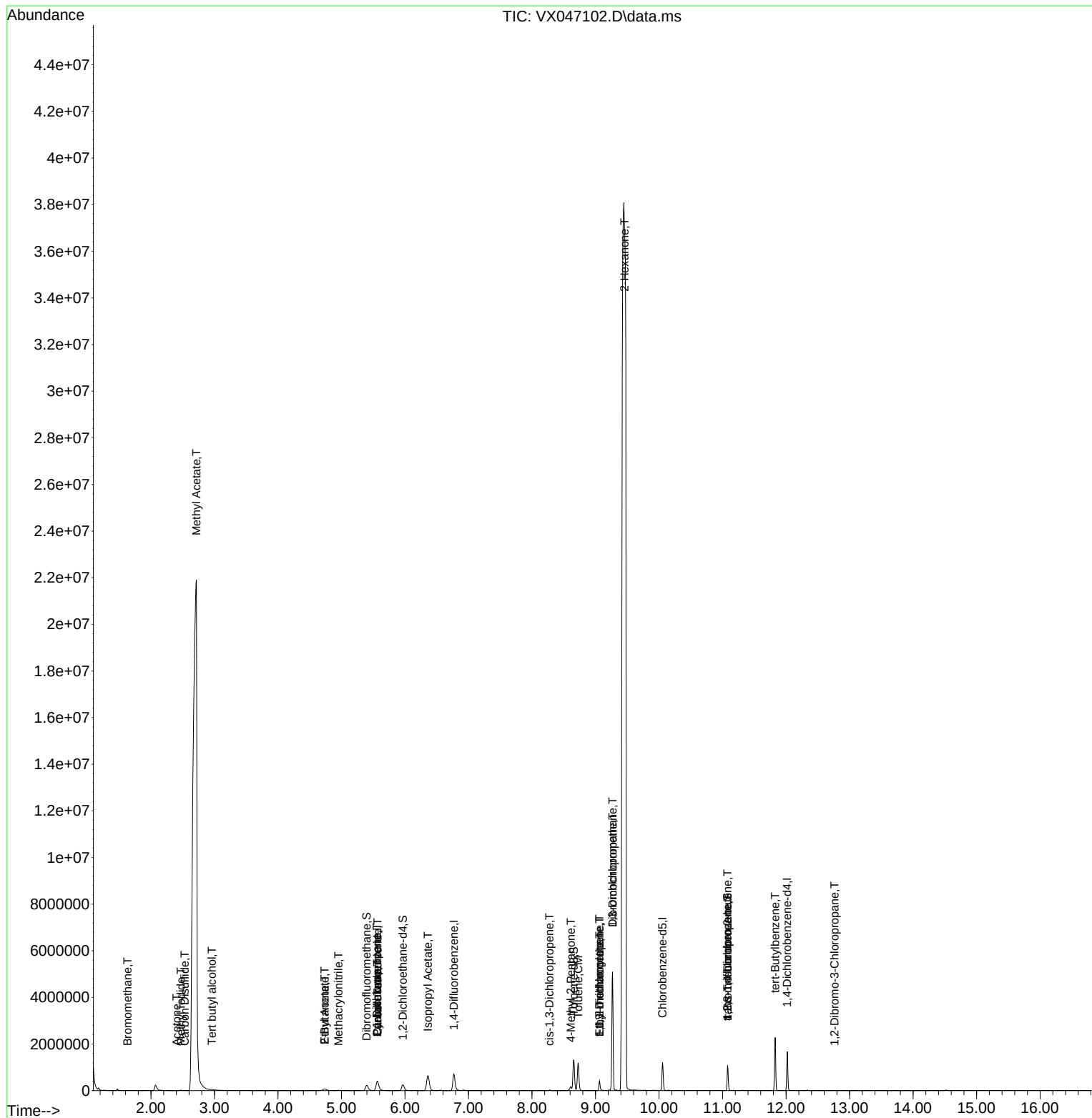
Internal Standards						
1) Pentafluorobenzene	5.562	168	416777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	772965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	519074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	323235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	278050	53.556	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.120%			
35) Dibromofluoromethane	5.397	113	226535	47.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.940%			
50) Toluene-d8	8.659	98	856992	55.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.900%			
62) 4-Bromofluorobenzene	11.079	95	280864	42.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.340%			
Target Compounds					Qvalue	
5) Bromomethane	1.629	94	1078	0.337	ug/l #	71
10) Methyl Iodide	2.471	142	24099	4.471	ug/l	98
11) Tert butyl alcohol	2.958	59	6659	0.715	ug/l #	76
16) Acetone	2.404	43	3954	1.901	ug/l	94
17) Carbon Disulfide	2.532	76	7256	0.479	ug/l #	93
18) Methyl Acetate	2.715	43	26489	4.793	ug/l #	72
25) 2-Butanone	4.733	43	166045	54.829	ug/l #	52
31) Cyclohexane	5.562	56	8886	0.916	ug/l #	7
36) 1,1-Dichloropropene	5.556	75	35197	4.327	ug/l #	50
37) Ethyl Acetate	4.733	43	170522	22.748	ug/l	99
38) Carbon Tetrachloride	5.568	117	45559	5.247	ug/l #	16
41) Methacrylonitrile	4.952	41	16069	4.100	ug/l	96
43) Isopropyl Acetate	6.360	43	68193	5.835	ug/l #	82
51) 4-Methyl-2-Pentanone	8.610	43	145117	20.891	ug/l	96
52) Toluene	8.726	92	494369	34.150	ug/l	98
53) t-1,3-Dichloropropene	9.061	75	8922	1.073	ug/l #	1
54) cis-1,3-Dichloropropene	8.275	75	3494	0.384	ug/l #	39
55) 1,1,2-Trichloroethane	9.061	97	13474	2.482	ug/l #	34
56) Ethyl methacrylate	9.061	69	110383	13.734	ug/l #	23
57) 1,3-Dichloropropane	9.268	76	21331	2.261	ug/l #	1
59) 2-Hexanone	9.457	43	133327	29.052	ug/l #	25
60) Dibromochloromethane	9.268	129	5199	0.817	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	147977	24.733	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	147977	63.723	ug/l #	8
83) tert-Butylbenzene	11.829	119	4408	0.208	ug/l #	47
92) 1,2-Dibromo-3-Chloropr...	12.762	75	293	0.210	ug/l #	2

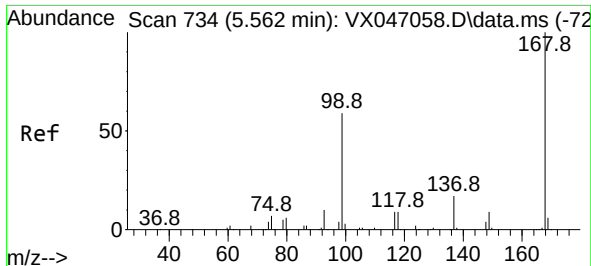
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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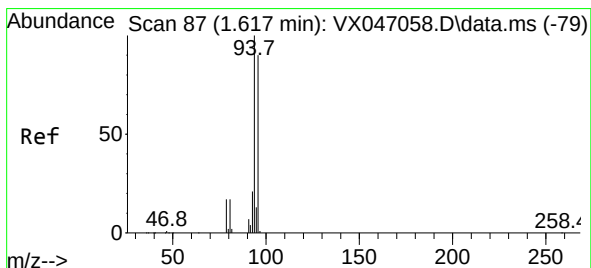
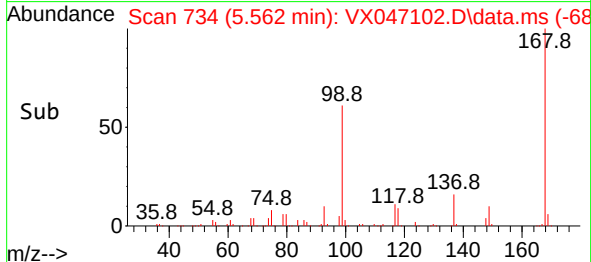
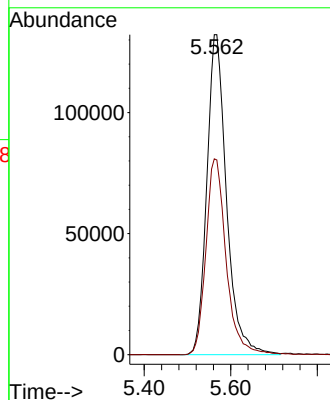
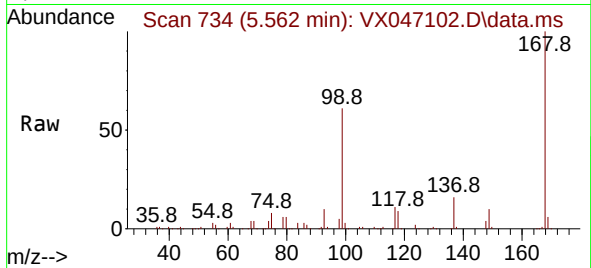




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

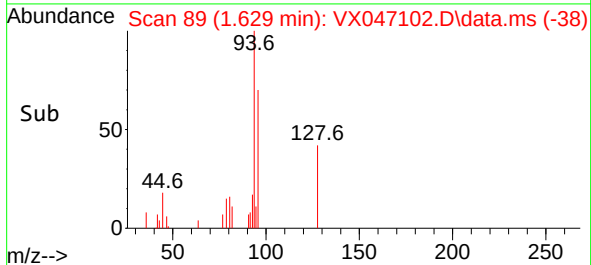
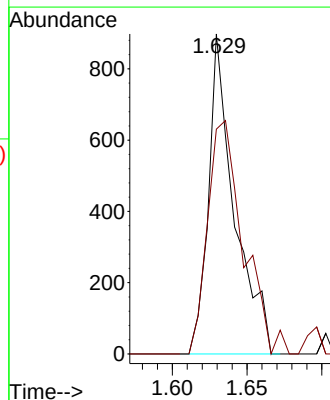
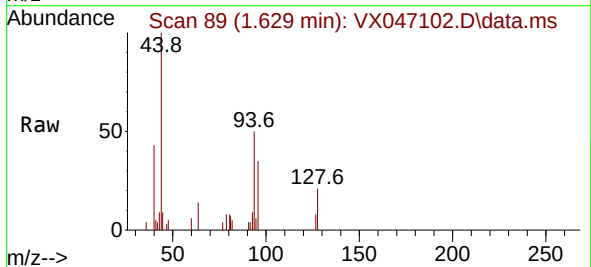
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

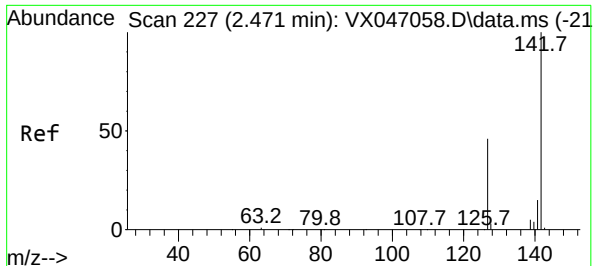
Tgt Ion:168 Resp: 416777
Ion Ratio Lower Upper
168 100
99 61.2 48.0 72.0



#5
Bromomethane
Concen: 0.337 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

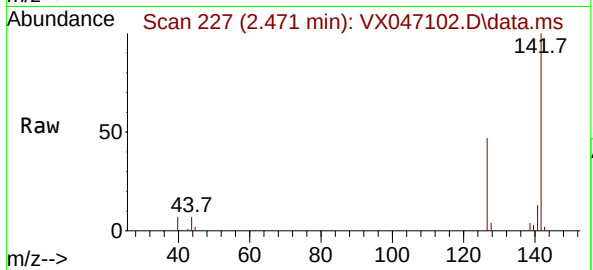
Tgt Ion: 94 Resp: 1078
Ion Ratio Lower Upper
94 100
96 63.3 72.3 108.5#





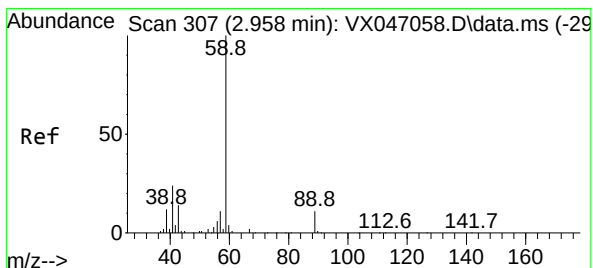
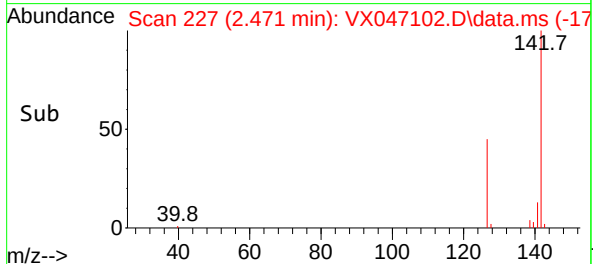
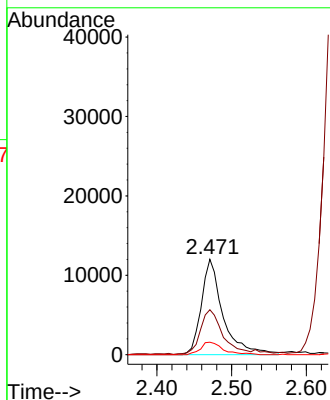
#10
Methyl Iodide
Concen: 4.471 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL



Tgt Ion:142 Resp: 24099

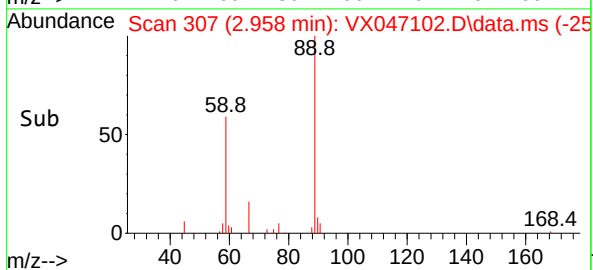
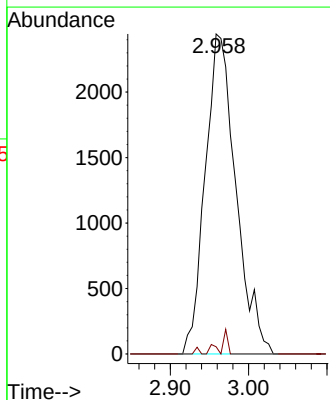
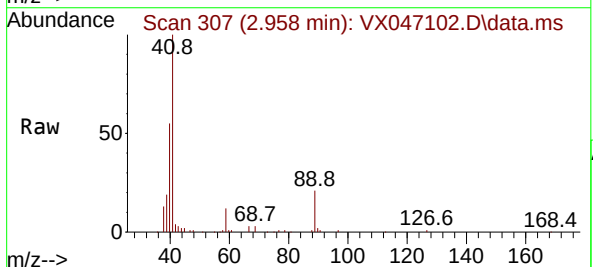
Ion	Ratio	Lower	Upper
142	100		
127	47.4	36.6	54.8
141	13.6	10.9	16.3

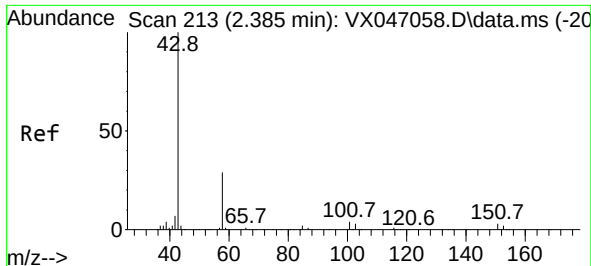


#11
Tert butyl alcohol
Concen: 0.715 ug/l
RT: 2.958 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 59 Resp: 6659

Ion	Ratio	Lower	Upper
59	100		
57	1.7	8.5	12.7#

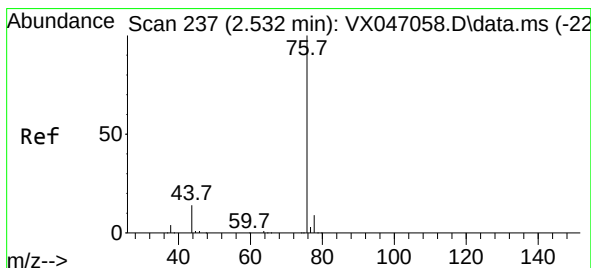
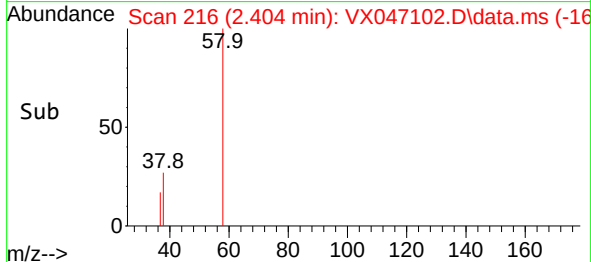
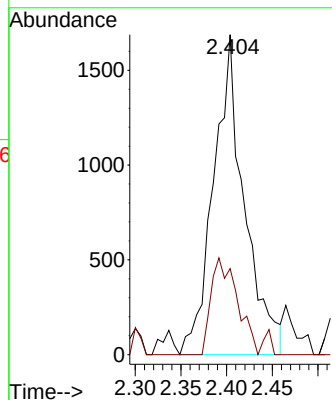
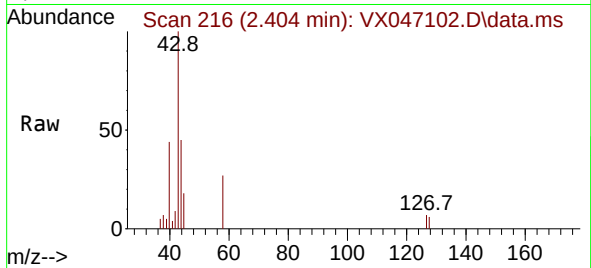




#16
Acetone
Concen: 1.901 ug/l
RT: 2.404 min Scan# 213
Delta R.T. 0.018 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

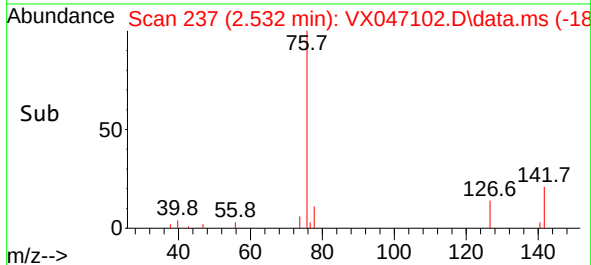
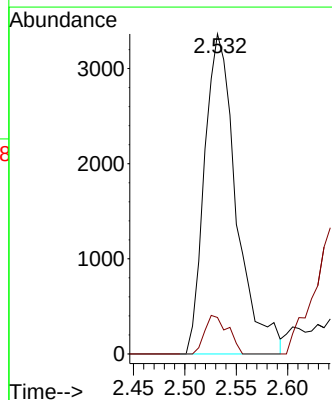
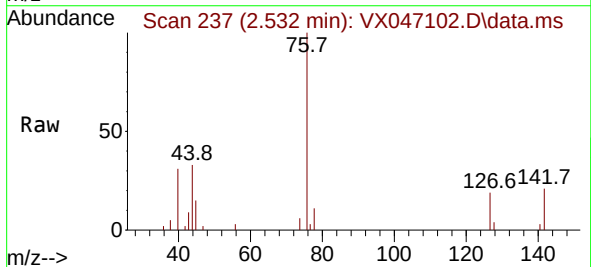
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

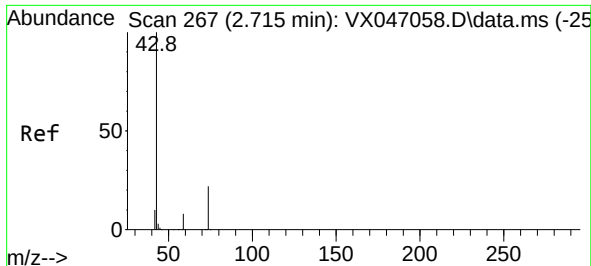
Tgt Ion: 43 Resp: 3954
Ion Ratio Lower Upper
43 100
58 26.9 24.0 36.0



#17
Carbon Disulfide
Concen: 0.479 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 76 Resp: 7256
Ion Ratio Lower Upper
76 100
78 11.1 7.0 10.4#

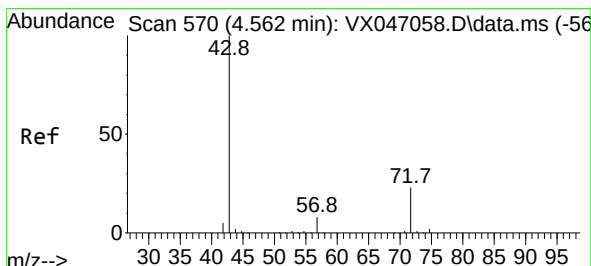
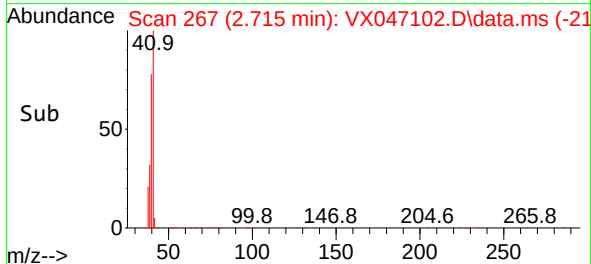
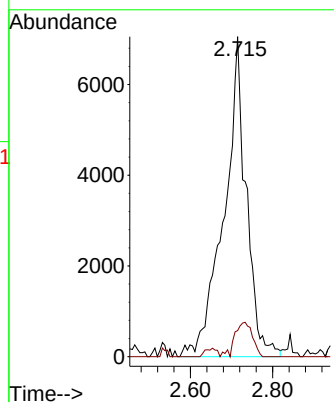
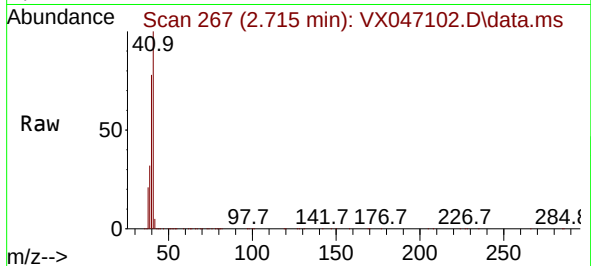




#18
Methyl Acetate
Concen: 4.793 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

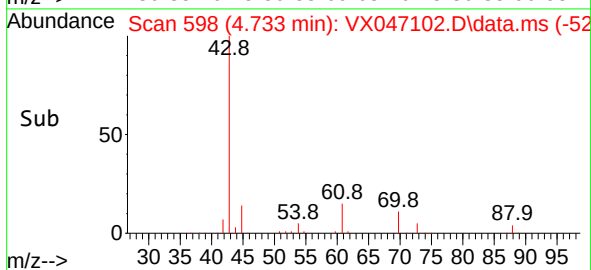
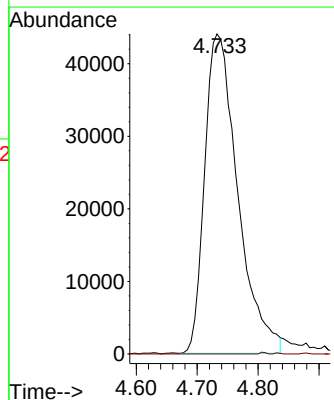
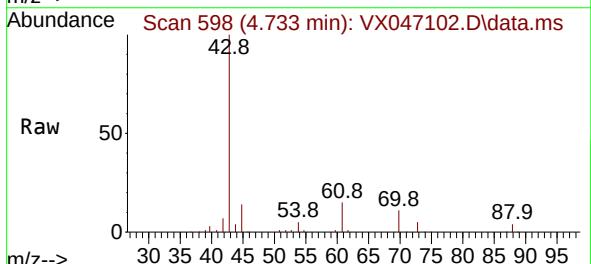
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

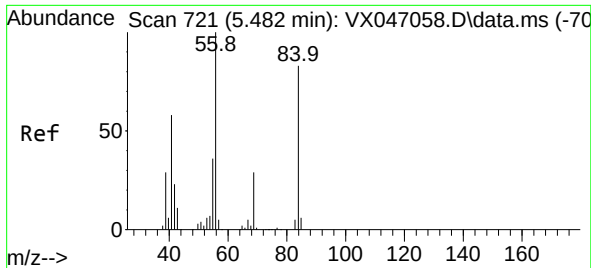
Tgt Ion: 43 Resp: 26489
Ion Ratio Lower Upper
43 100
74 8.6 17.7 26.5#



#25
2-Butanone
Concen: 54.829 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.171 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 43 Resp: 166045
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#

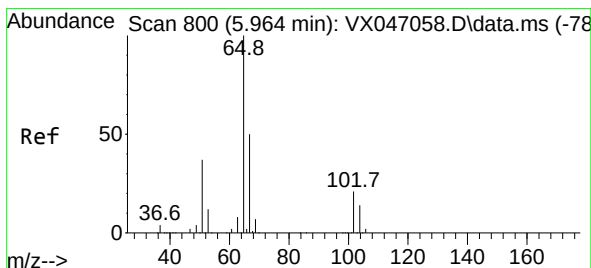
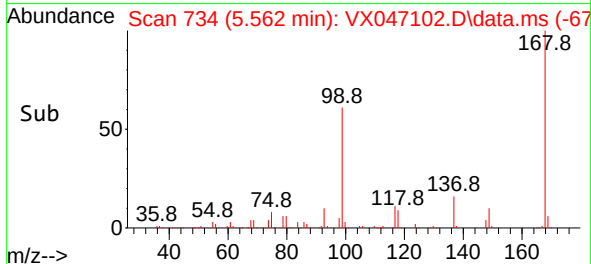
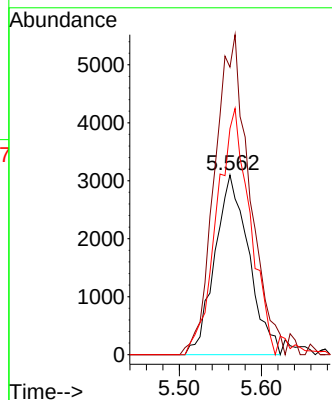
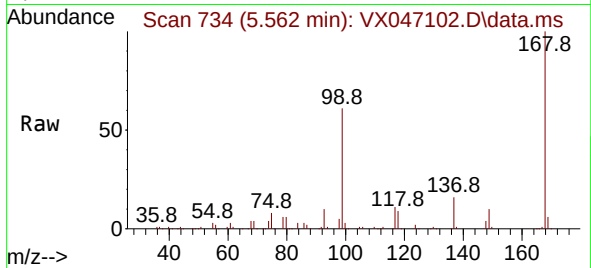




#31
Cyclohexane
Concen: 0.916 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

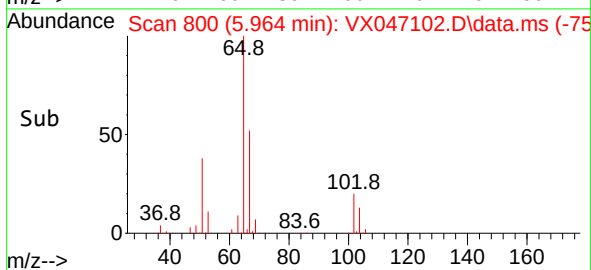
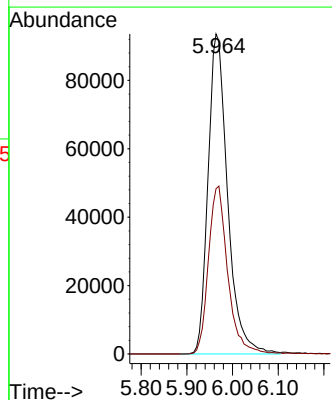
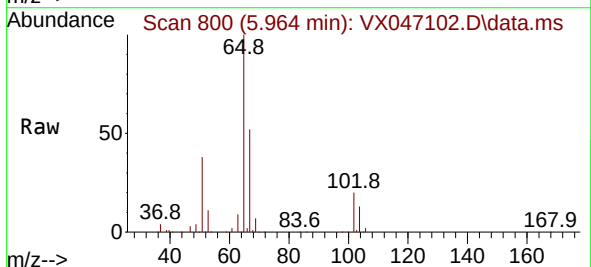
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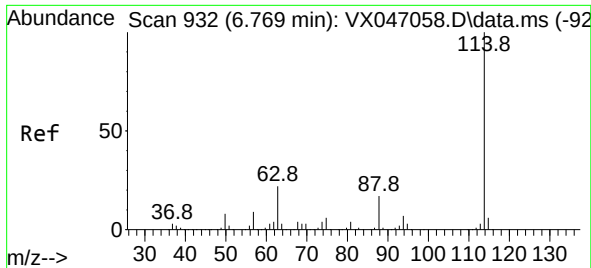
Tgt Ion: 56 Resp: 8886
Ion Ratio Lower Upper
56 100
69 159.3 23.3 34.9#
84 119.6 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 53.556 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 65 Resp: 278050
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.8

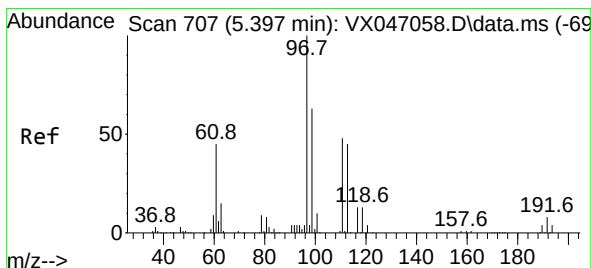
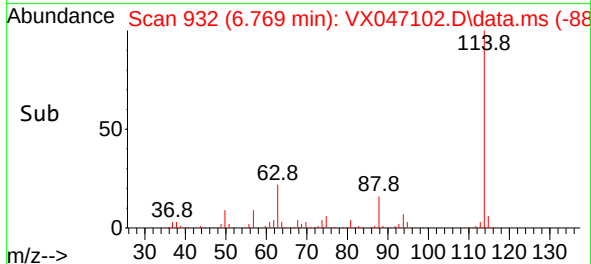
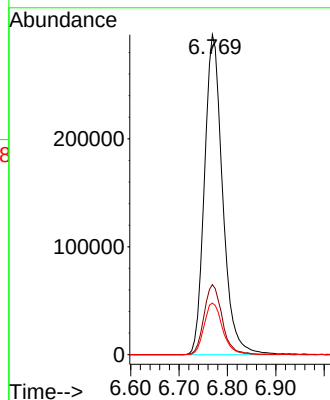
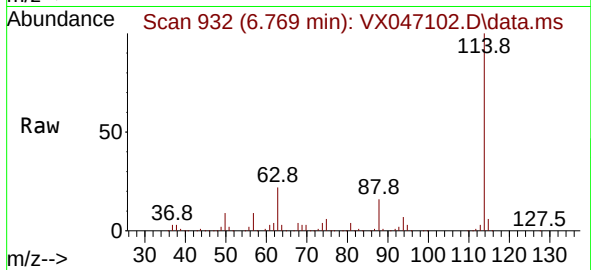




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

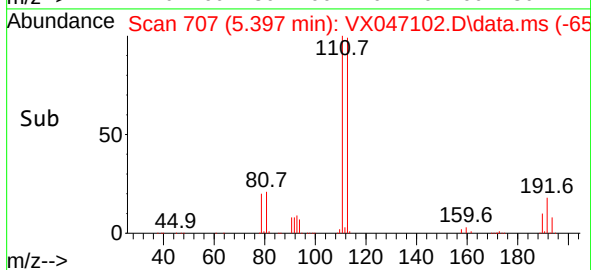
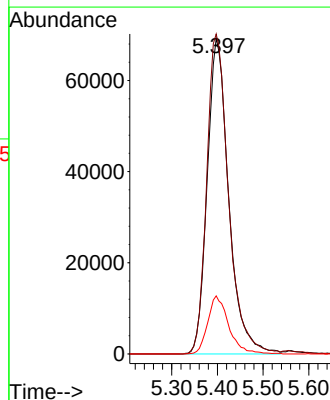
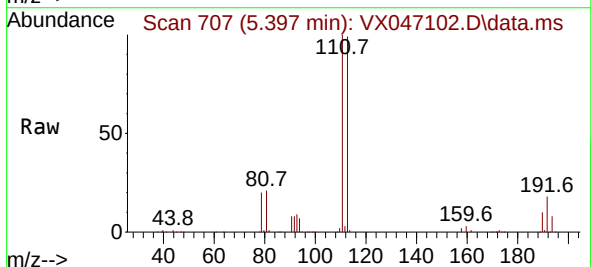
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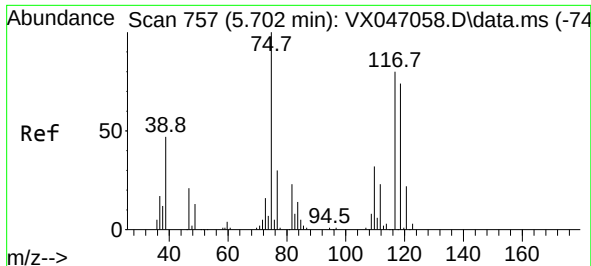
Tgt Ion:114 Resp: 772965
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.2
88 16.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 47.466 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:113 Resp: 226535
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 17.9 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX047102.D

Acq: 23 Jul 2025 19:00

Instrument :

MSVOA_X

ClientSampleId :

CC0627-OXL

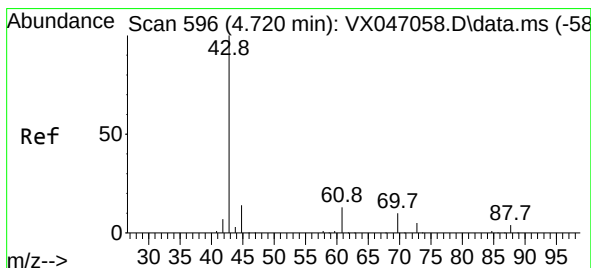
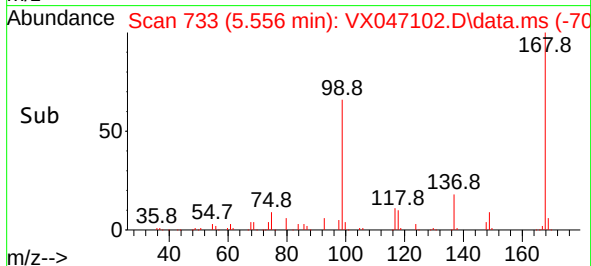
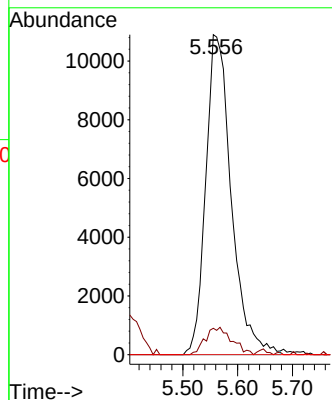
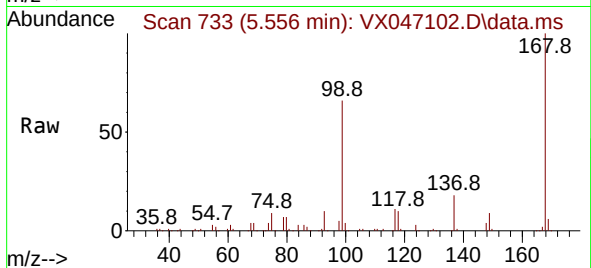
Tgt Ion: 75 Resp: 35197

Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.5#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 22.748 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.012 min

Lab File: VX047102.D

Acq: 23 Jul 2025 19:00

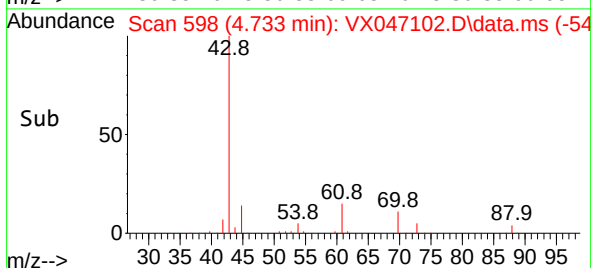
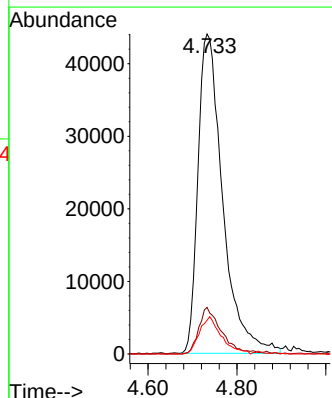
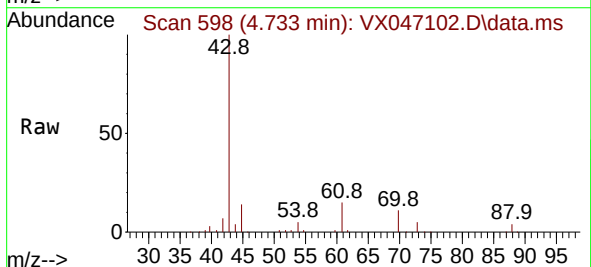
Tgt Ion: 43 Resp: 170522

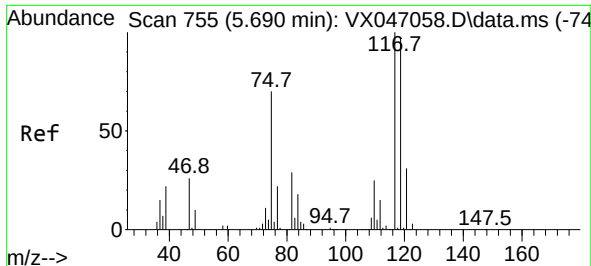
Ion Ratio Lower Upper

43 100

61 13.2 10.2 15.2

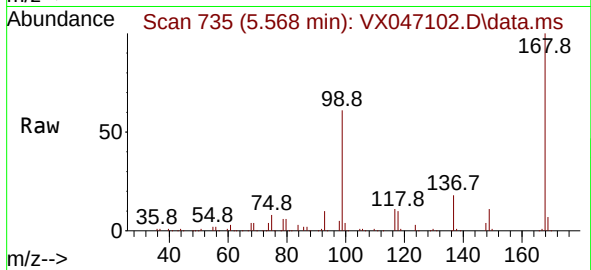
70 10.3 8.1 12.1



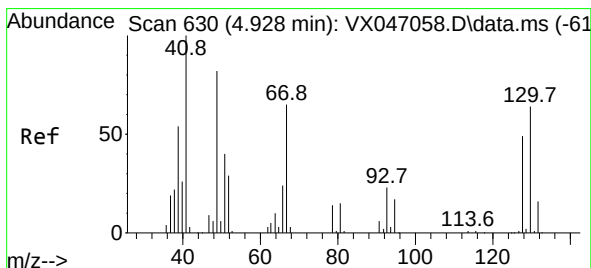
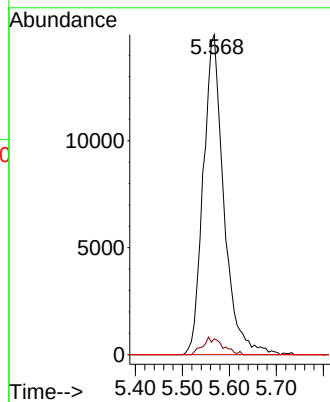
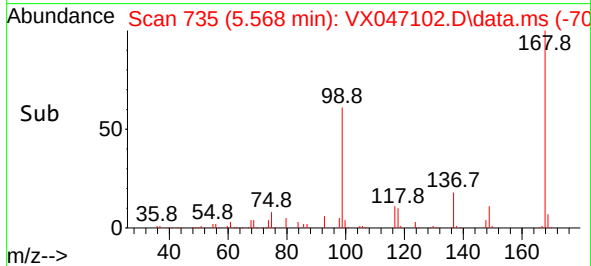


#38
Carbon Tetrachloride
Concen: 5.247 ug/l
RT: 5.568 min Scan# 715
Delta R.T. -0.122 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

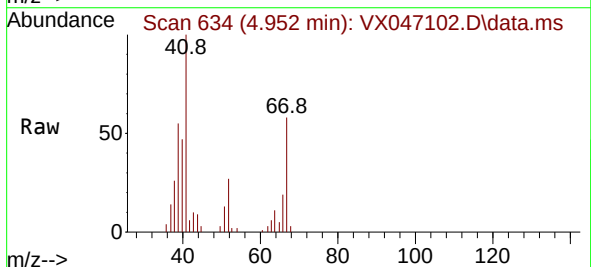
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL



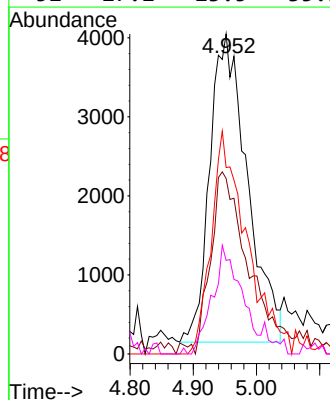
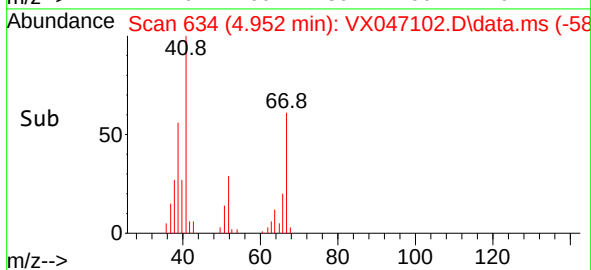
Tgt Ion:117 Resp: 45559
Ion Ratio Lower Upper
117 100
119 5.0 76.6 115.0#
121 0.0 24.4 36.6#

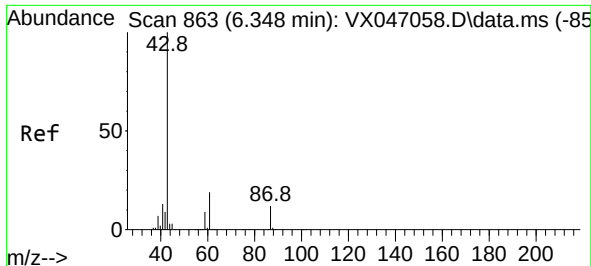


#41
Methacrylonitrile
Concen: 4.100 ug/l
RT: 4.952 min Scan# 634
Delta R.T. 0.024 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00



Tgt Ion: 41 Resp: 16069
Ion Ratio Lower Upper
41 100
39 59.6 44.2 66.2
67 68.0 56.4 84.6
52 27.2 23.5 35.3

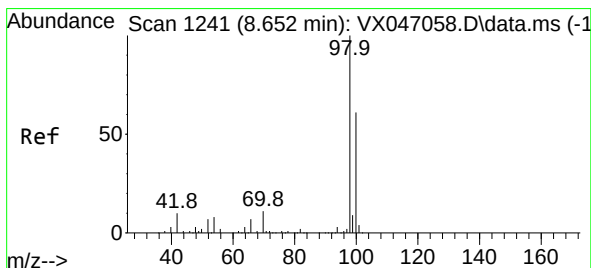
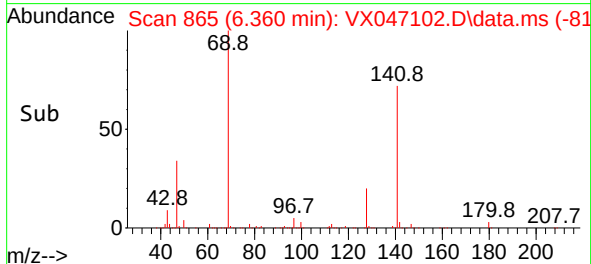
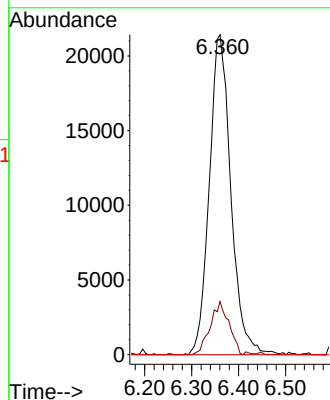
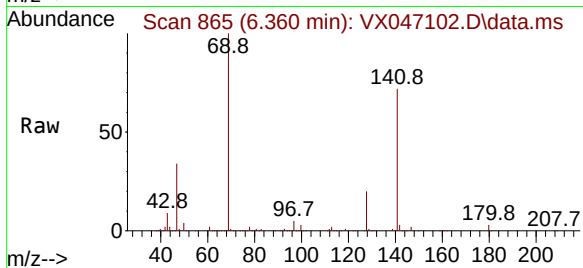




#43
Isopropyl Acetate
Concen: 5.835 ug/l
RT: 6.360 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

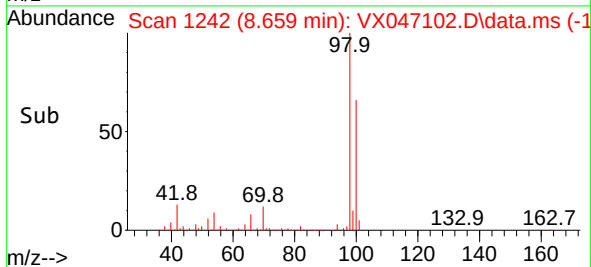
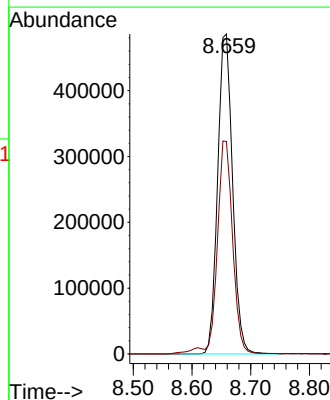
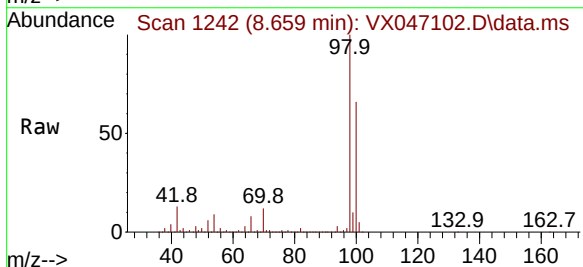
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

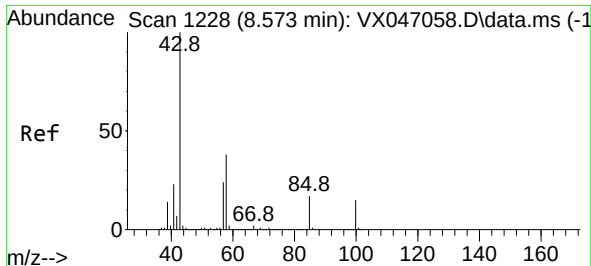
Tgt Ion: 43 Resp: 68193
Ion Ratio Lower Upper
43 100
61 14.4 15.1 22.7#
87 0.0 9.7 14.5#



#50
Toluene-d8
Concen: 55.448 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 98 Resp: 856992
Ion Ratio Lower Upper
98 100
100 66.6 53.3 79.9

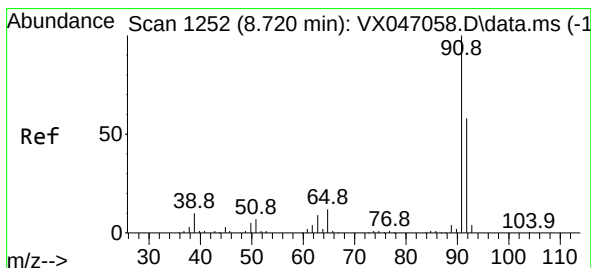
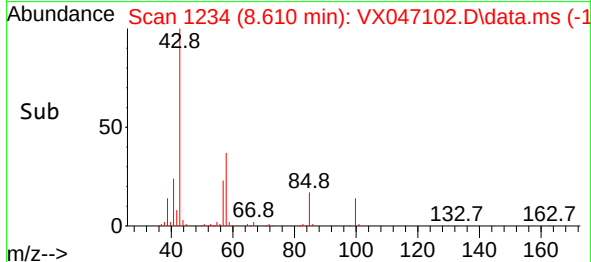
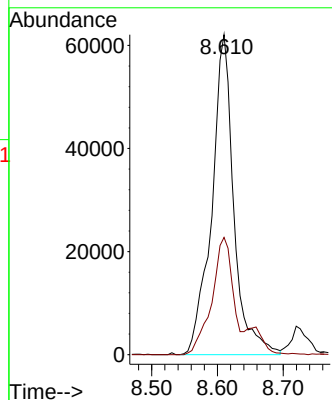
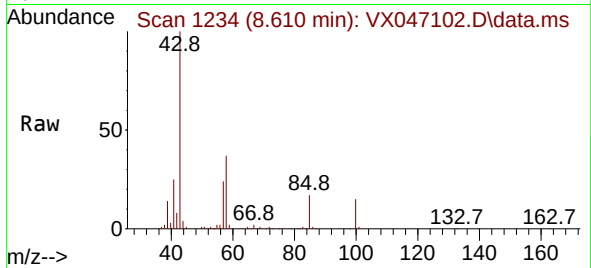




#51
4-Methyl-2-Pentanone
Concen: 20.891 ug/l
RT: 8.610 min Scan# 11
Delta R.T. 0.037 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

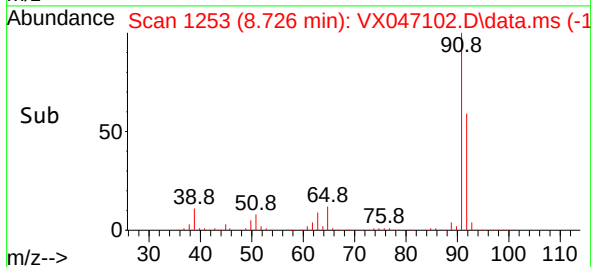
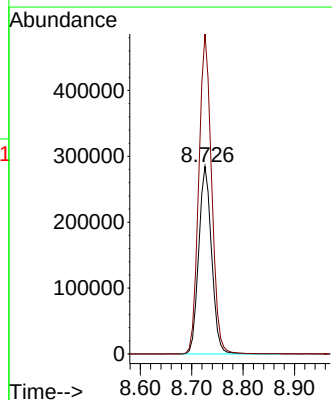
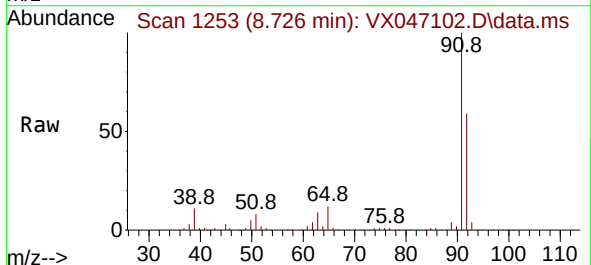
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

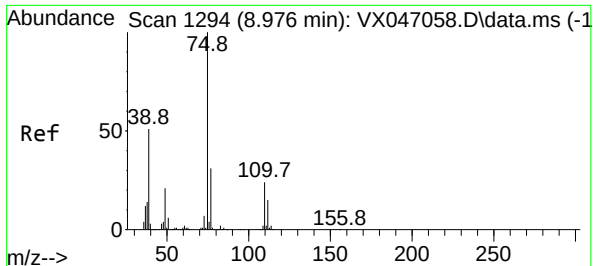
Tgt Ion: 43 Resp: 145117
Ion Ratio Lower Upper
43 100
58 35.7 30.6 45.8



#52
Toluene
Concen: 34.150 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 92 Resp: 494369
Ion Ratio Lower Upper
92 100
91 170.3 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 1.073 ug/l

RT: 9.061 min Scan# 1179

Delta R.T. 0.085 min

Lab File: VX047102.D

Acq: 23 Jul 2025 19:00

Instrument :

MSVOA_X

ClientSampleId :

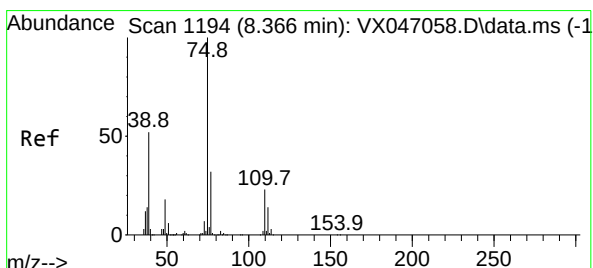
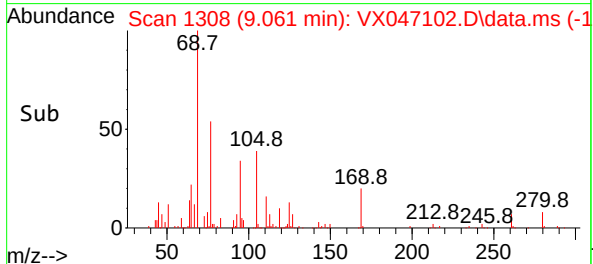
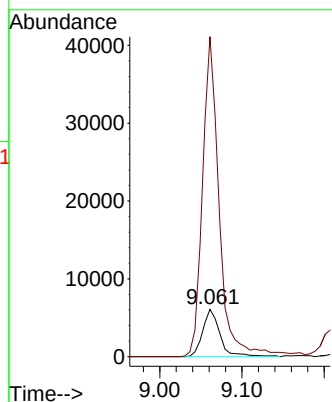
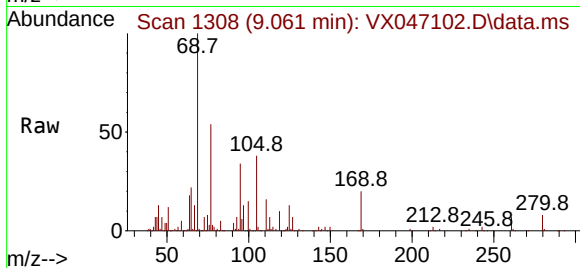
CC0627-OXL

Tgt Ion: 75 Resp: 8922

Ion Ratio Lower Upper

75 100

77 674.9 24.5 36.7#



#54

cis-1,3-Dichloropropene

Concen: 0.384 ug/l

RT: 8.275 min Scan# 1179

Delta R.T. -0.091 min

Lab File: VX047102.D

Acq: 23 Jul 2025 19:00

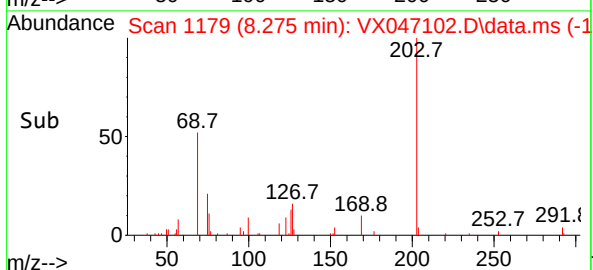
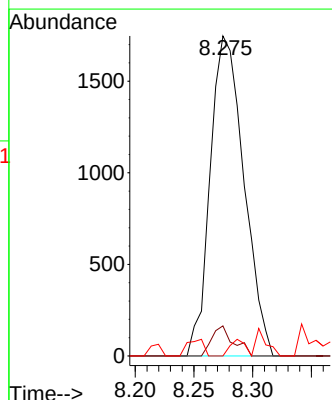
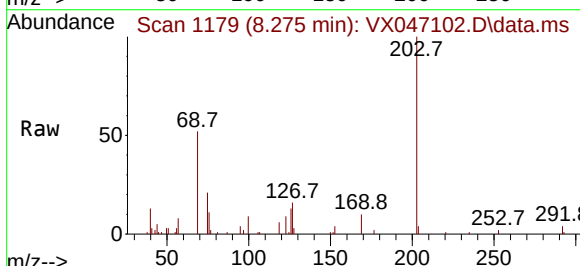
Tgt Ion: 75 Resp: 3494

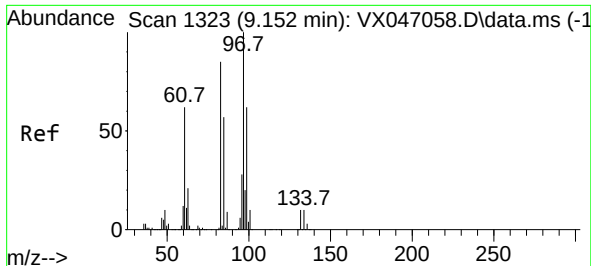
Ion Ratio Lower Upper

75 100

77 9.4 25.4 38.0#

39 0.0 41.8 62.6#

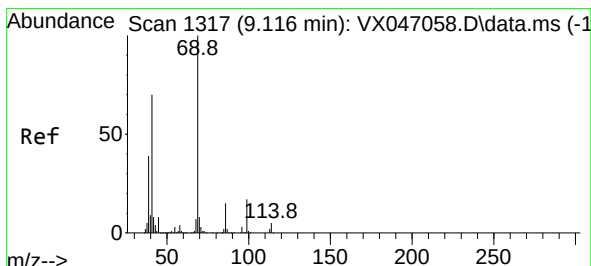
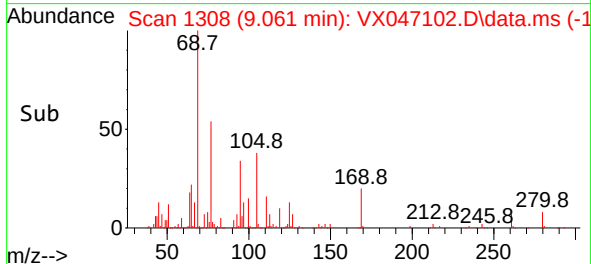
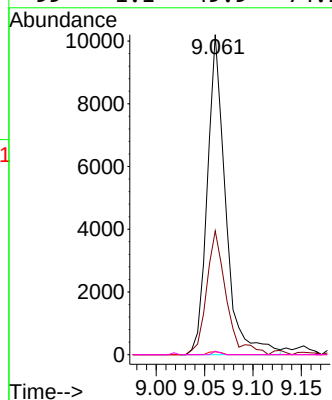
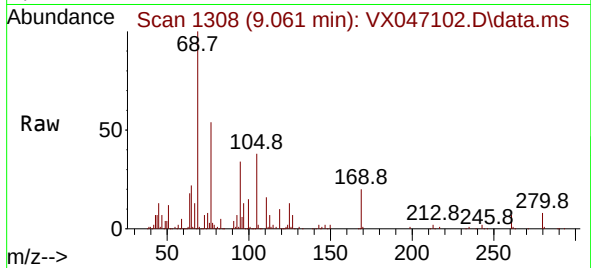




#55
1,1,2-Trichloroethane
Concen: 2.482 ug/l
RT: 9.061 min Scan# 1308
Delta R.T. -0.091 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

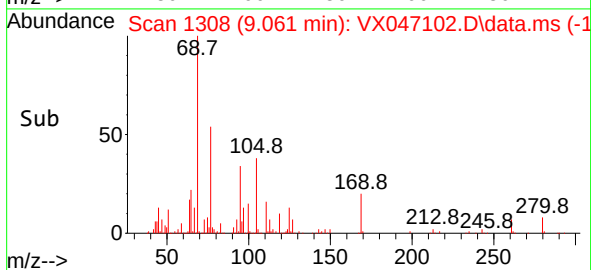
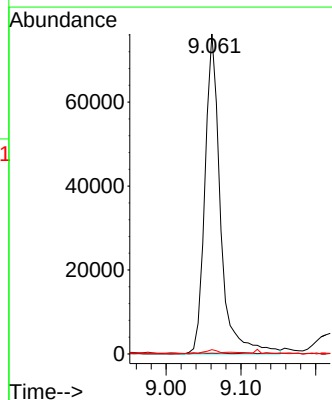
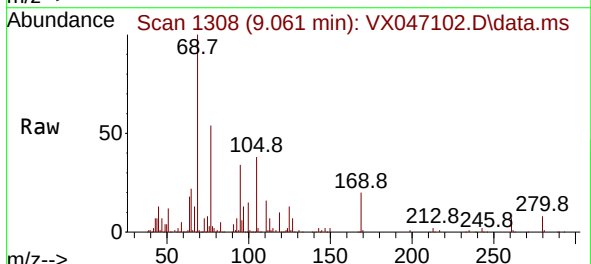
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

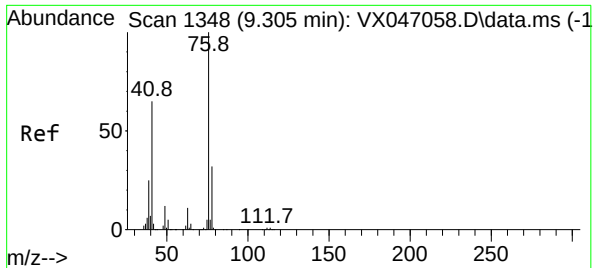
Tgt Ion: 97	Resp: 13474
Ion Ratio	Lower Upper
97 100	
83 38.7	68.0 102.0#
85 0.9	45.2 67.8#
99 1.1	49.9 74.9#



#56
Ethyl methacrylate
Concen: 13.734 ug/l
RT: 9.061 min Scan# 1308
Delta R.T. -0.055 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 69	Resp: 110383
Ion Ratio	Lower Upper
69 100	
41 0.0	56.1 84.1#
39 1.3	31.1 46.7#

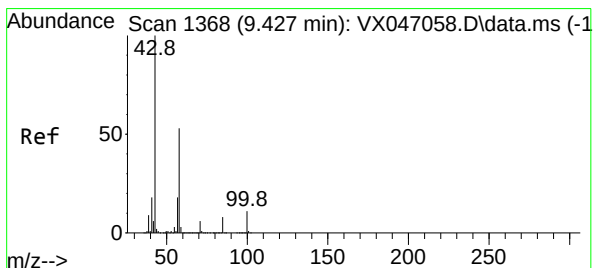
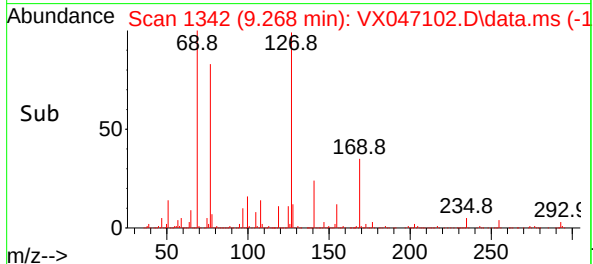
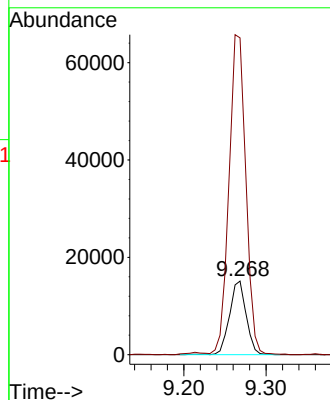
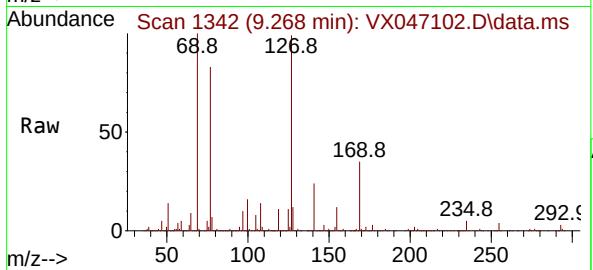




#57
1,3-Dichloropropane
Concen: 2.261 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

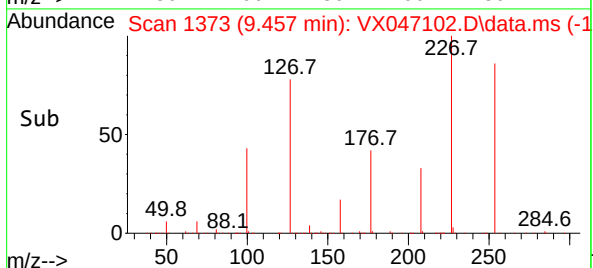
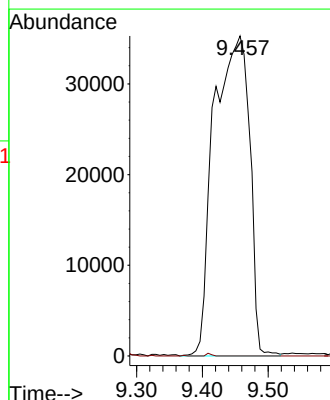
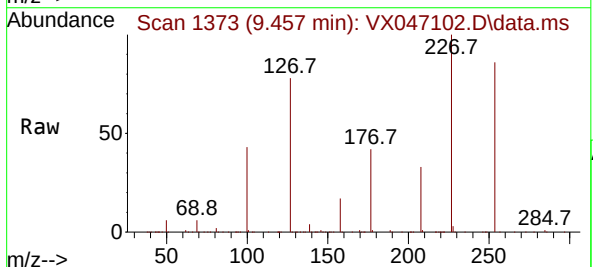
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

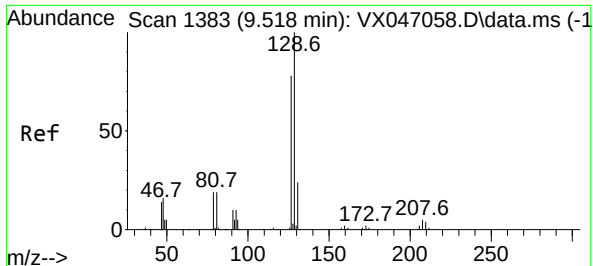
Tgt Ion: 76 Resp: 21331
Ion Ratio Lower Upper
76 100
78 439.3 25.5 38.3#



#59
2-Hexanone
Concen: 29.052 ug/l
RT: 9.457 min Scan# 1373
Delta R.T. 0.031 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 43 Resp: 133327
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#

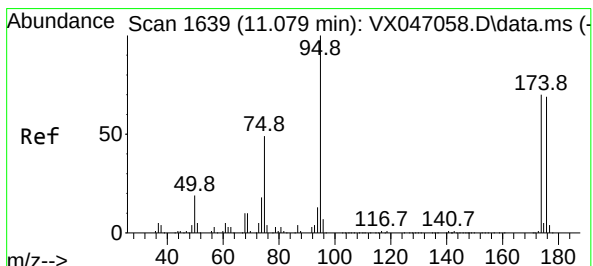
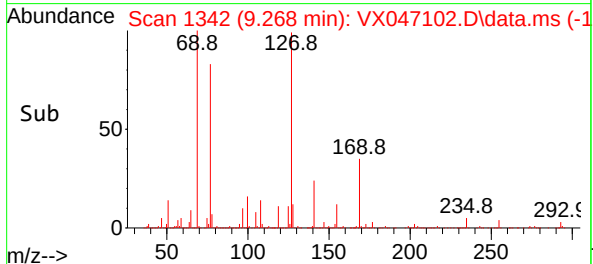
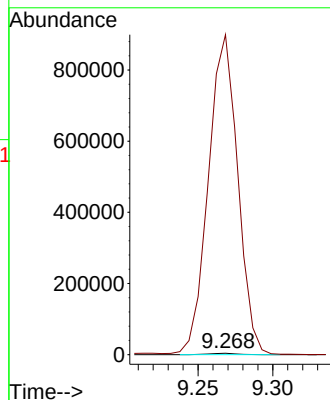
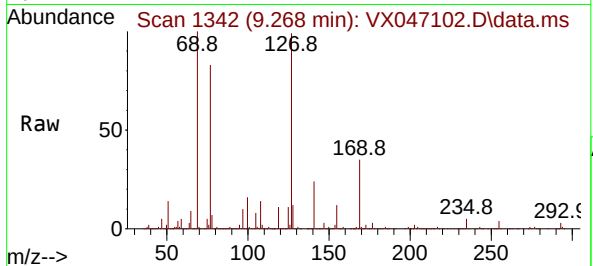




#60
Dibromochloromethane
Concen: 0.817 ug/l
RT: 9.268 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

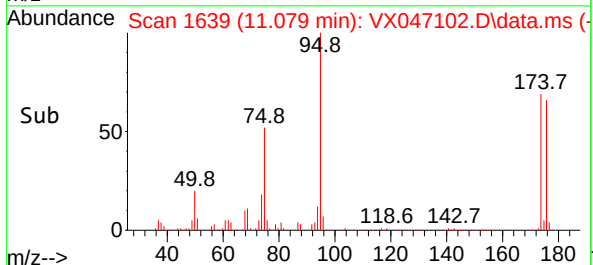
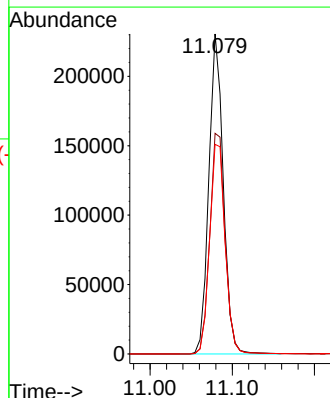
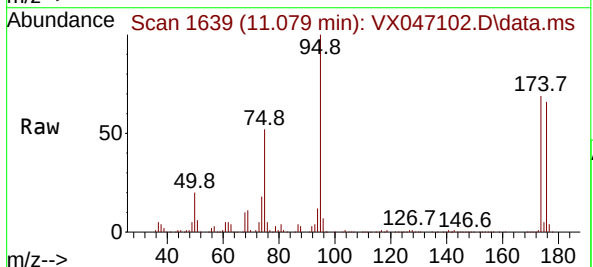
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

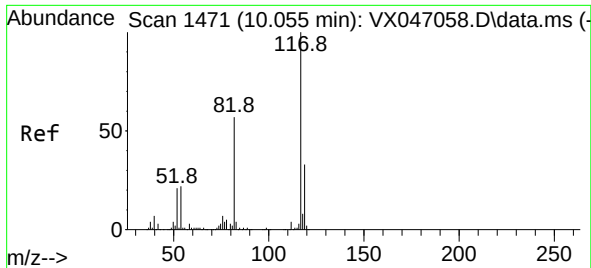
Tgt Ion:129 Resp: 5199
Ion Ratio Lower Upper
129 100
127 23665.7 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 42.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 95 Resp: 280864
Ion Ratio Lower Upper
95 100
174 73.2 0.0 144.6
176 70.8 0.0 139.6

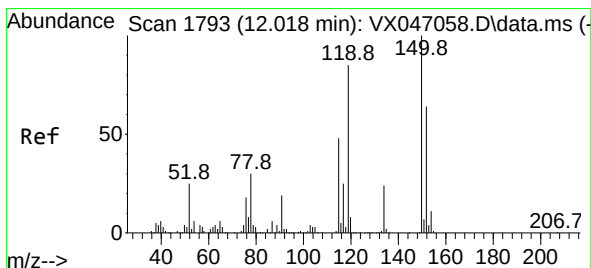
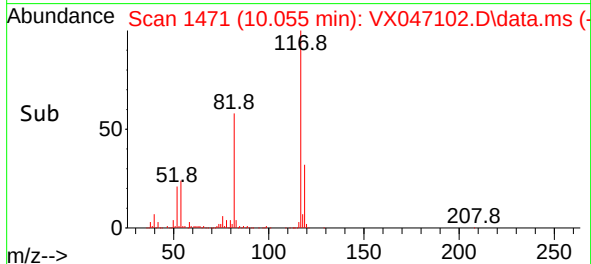
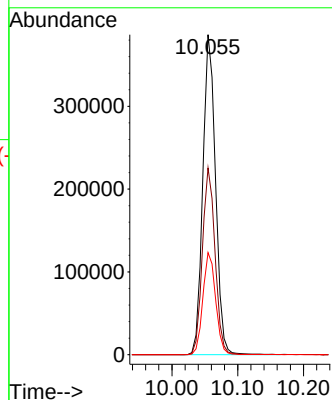
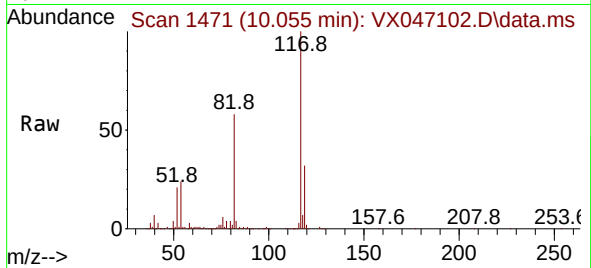




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

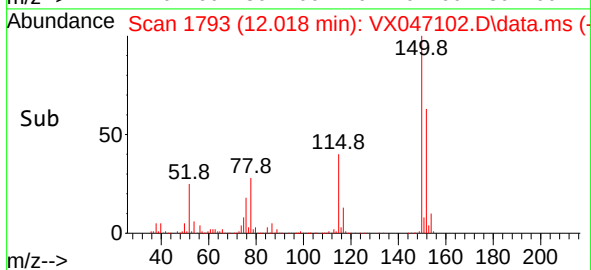
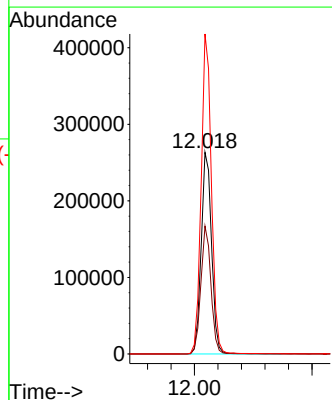
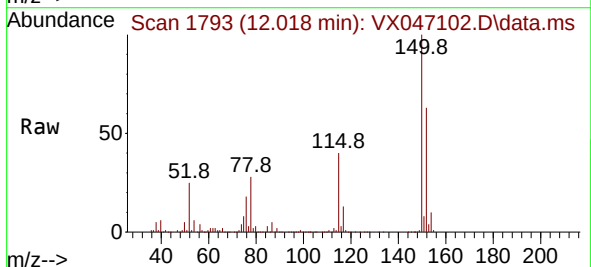
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

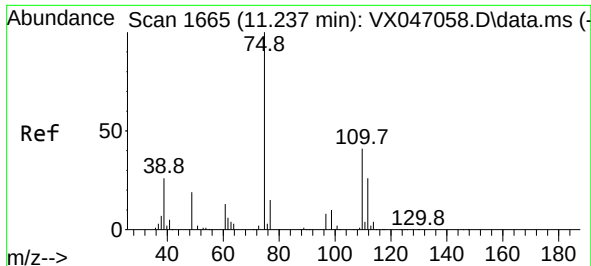
Tgt Ion:117 Resp: 519074
Ion Ratio Lower Upper
117 100
82 58.4 45.4 68.2
119 31.9 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:152 Resp: 323235
Ion Ratio Lower Upper
152 100
115 62.1 45.6 136.7
150 156.4 0.0 354.6

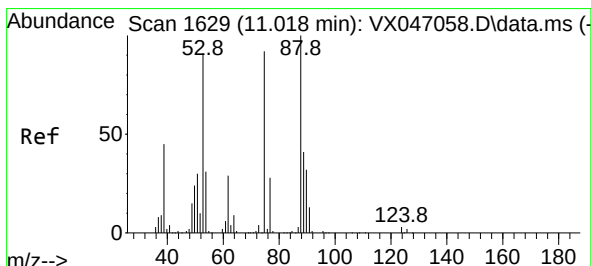
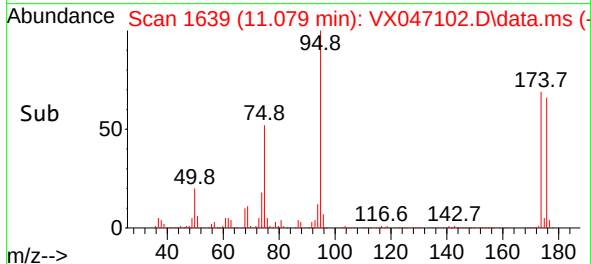
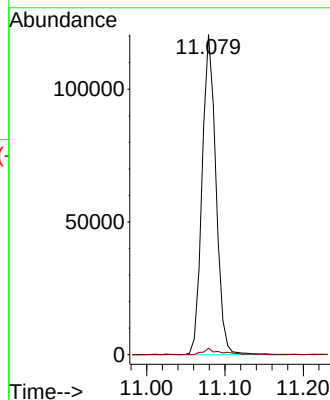
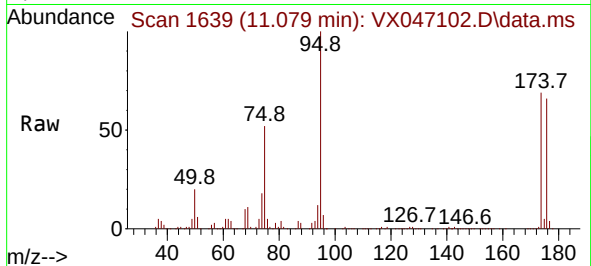




#76
1,2,3-Trichloropropane
Concen: 24.733 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

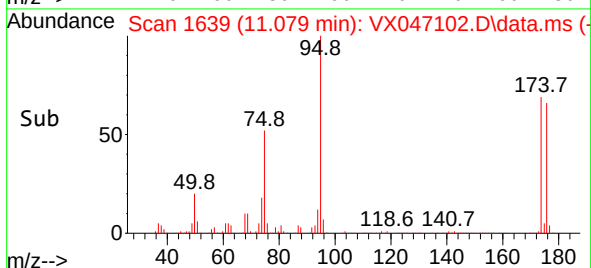
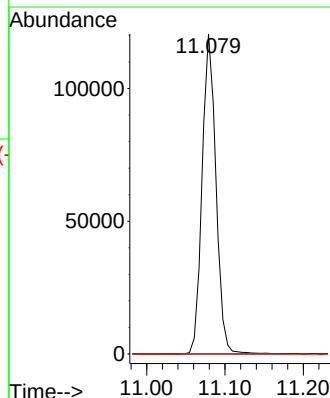
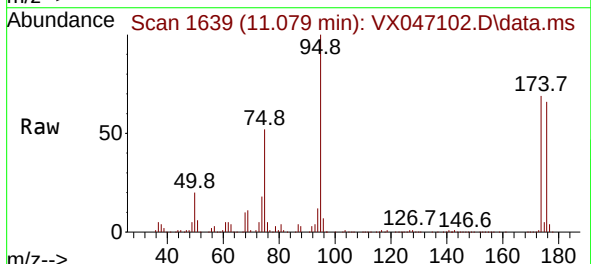
Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

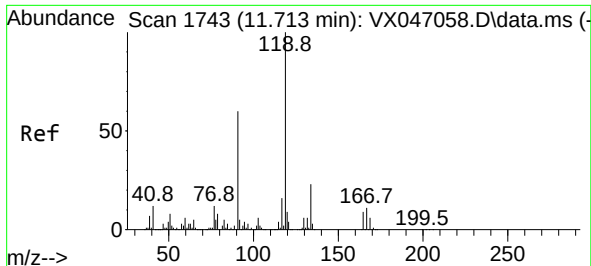
Tgt Ion: 75 Resp: 147977
Ion Ratio Lower Upper
75 100
77 2.5 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.723 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 75 Resp: 147977
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

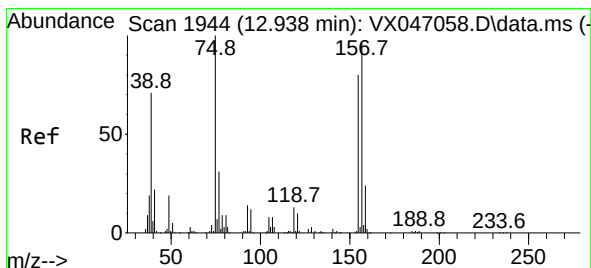
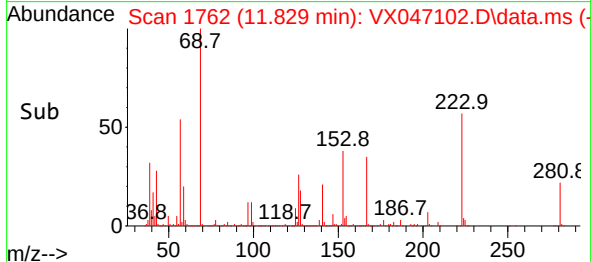
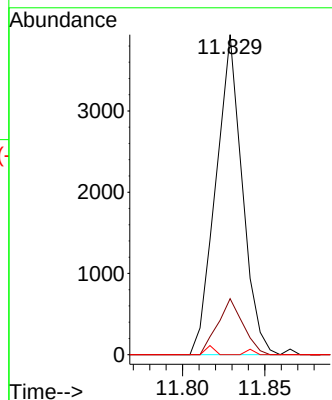
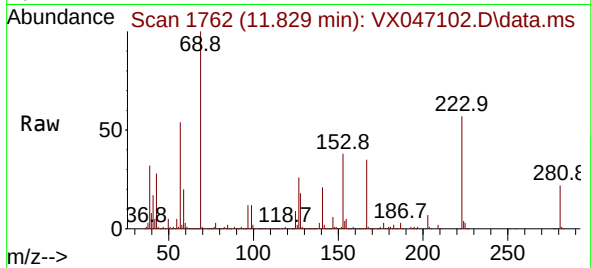




#83
tert-Butylbenzene
Concen: 0.208 ug/l
RT: 11.829 min Scan# 11
Delta R.T. 0.116 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Tgt Ion:119 Resp: 4408
Ion Ratio Lower Upper
119 100
91 16.9 29.6 88.8#
134 0.9 11.4 34.1#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.210 ug/l
RT: 12.762 min Scan# 1915
Delta R.T. -0.177 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 75 Resp: 293
Ion Ratio Lower Upper
75 100
155 0.0 41.3 124.1#
157 0.0 52.8 158.3#

