

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047119.D
 Acq On : 24 Jul 2025 14:50
 Operator : JC/MD
 Sample : Q2481-16 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:24:19 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

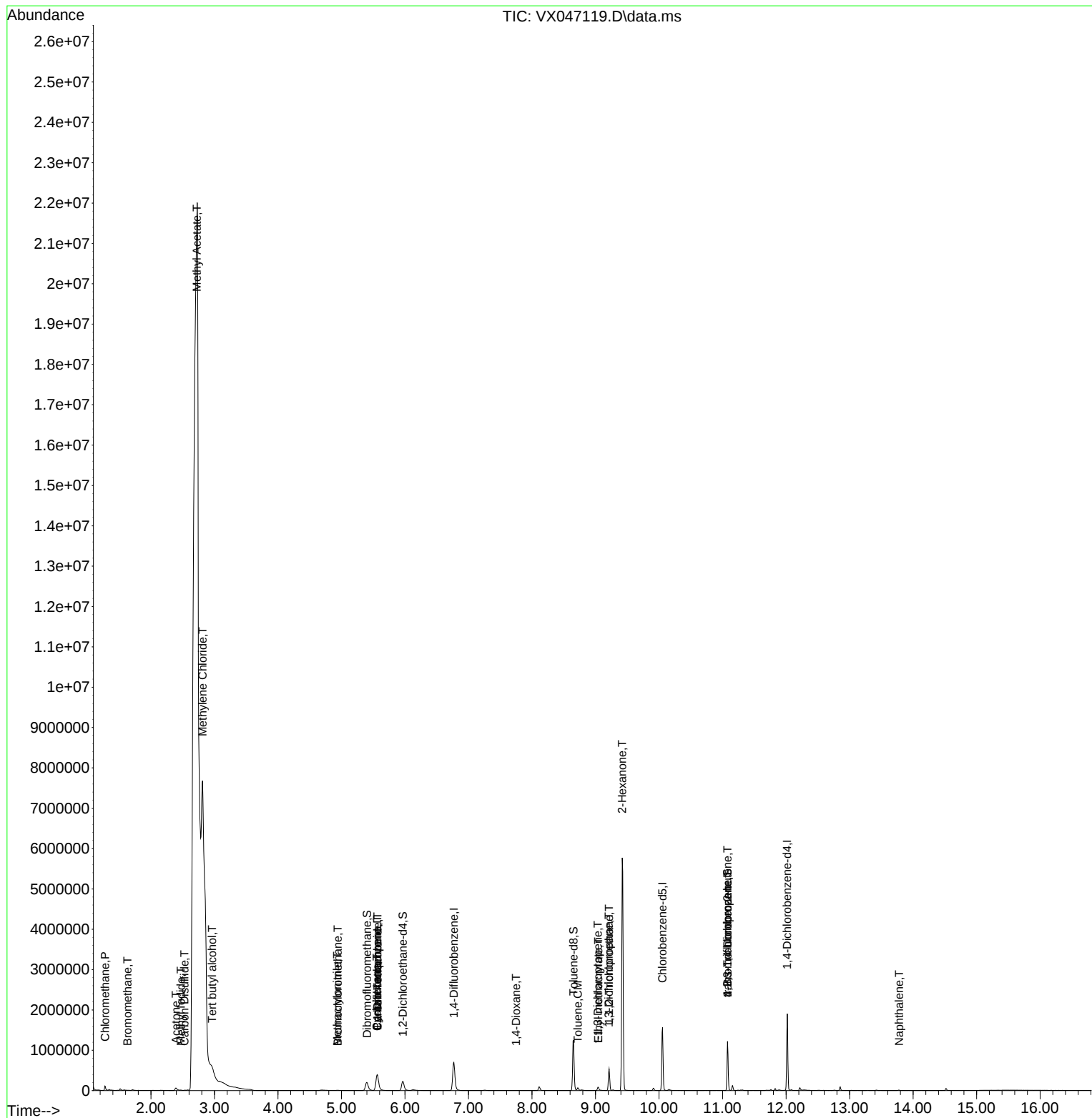
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	396009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	749209	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	689935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	372334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	246707	50.011	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.020%		
35) Dibromofluoromethane	5.403	113	196961	42.578	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 85.160%		
50) Toluene-d8	8.653	98	767237	51.215	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 102.420%		
62) 4-Bromofluorobenzene	11.079	95	319376	49.471	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.940%		
Target Compounds						Qvalue
3) Chloromethane	1.276	50	1901	0.365	ug/l #	67
5) Bromomethane	1.630	94	940	0.309	ug/l #	4
10) Methyl Iodide	2.471	142	9544	1.864	ug/l	93
11) Tert butyl alcohol	2.965	59	6905	1.760	ug/l #	90
16) Acetone	2.392	43	108888	55.100	ug/l	98
17) Carbon Disulfide	2.526	76	8141	0.565	ug/l #	92
18) Methyl Acetate	2.721	43	15862	3.020	ug/l #	54
20) Methylene Chloride	2.812	84	1182210	217.451	ug/l	96
28) Bromochloromethane	4.940	49	2670	0.603	ug/l #	88
31) Cyclohexane	5.556	56	9144	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	34323	4.353	ug/l #	50
38) Carbon Tetrachloride	5.568	117	44035	5.232	ug/l #	16
41) Methacrylonitrile	4.934	41	3898	1.026	ug/l #	83
49) 1,4-Dioxane	7.751	88	30	0.427	ug/l #	1
52) Toluene	8.720	92	26302	1.875	ug/l	98
53) t-1,3-Dichloropropene	9.037	75	2040	0.253	ug/l #	1
55) 1,1,2-Trichloroethane	9.214	97	14018	2.664	ug/l #	17
56) Ethyl methacrylate	9.043	69	26298	3.376	ug/l #	38
57) 1,3-Dichloropropane	9.208	76	2646	0.289	ug/l #	1
59) 2-Hexanone	9.421	43	11218	2.522	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	165246	23.977	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	165246	61.775	ug/l #	8
95) Naphthalene	13.780	128	9956	0.402	ug/l #	91

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

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Sample : Q2481-16 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

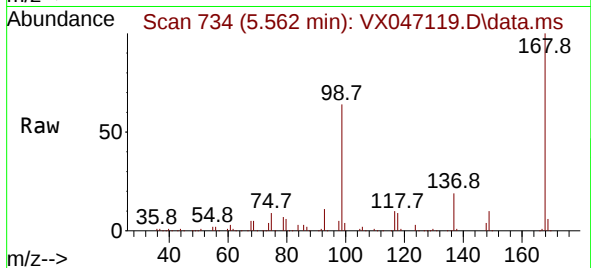
Quant Time: Jul 25 01:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



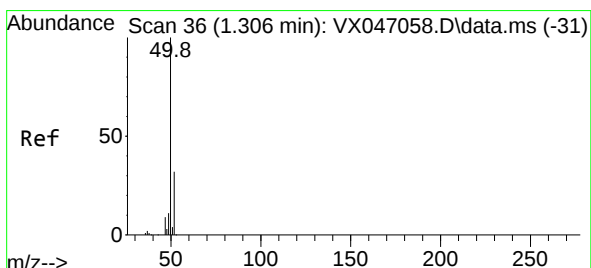
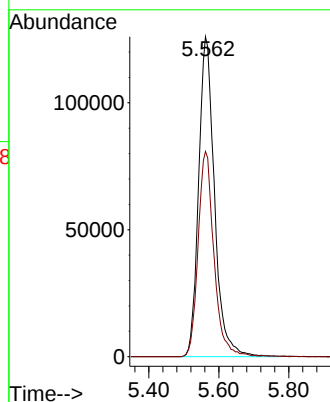
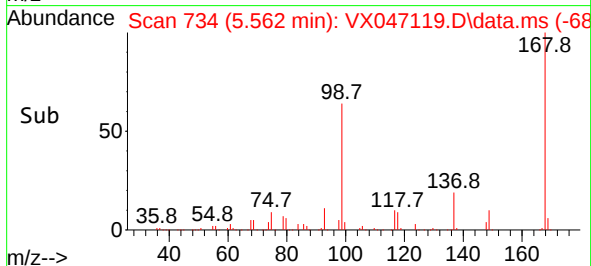


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

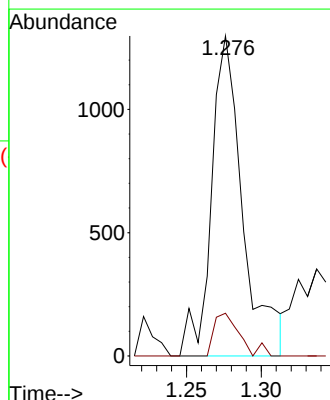
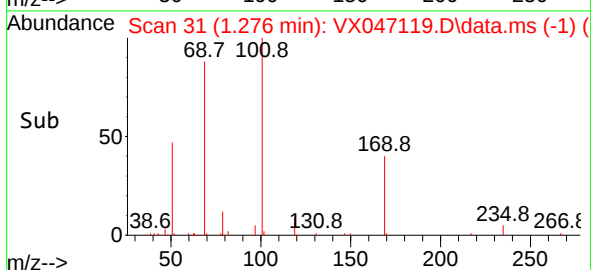
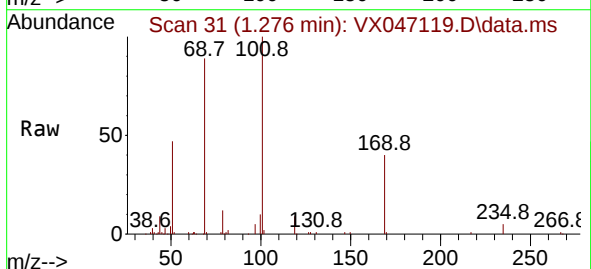


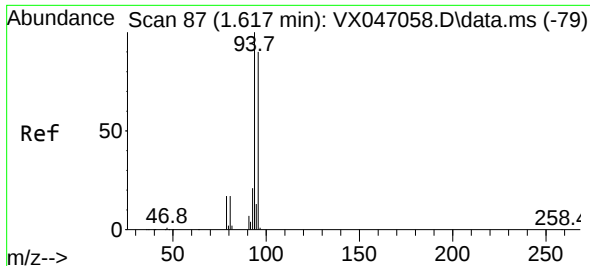
Tgt Ion:168 Resp: 396009
Ion Ratio Lower Upper
168 100
99 64.2 48.0 72.0



#3
Chloromethane
Concen: 0.365 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.030 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

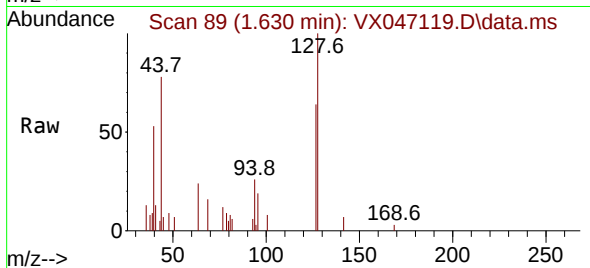
Tgt Ion: 50 Resp: 1901
Ion Ratio Lower Upper
50 100
52 13.3 25.4 38.2#



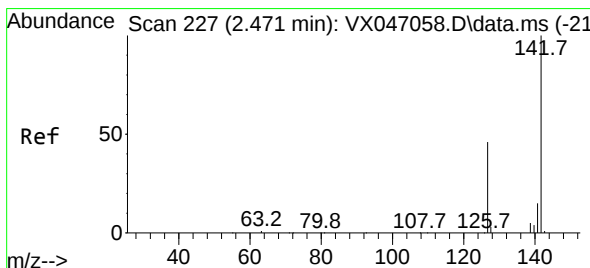
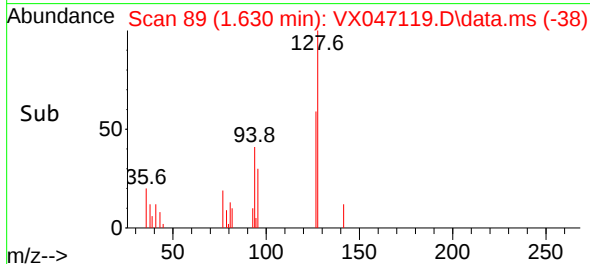
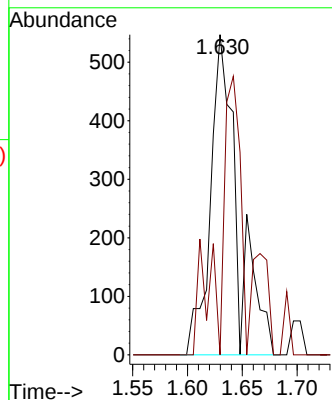


#5
Bromomethane
Concen: 0.309 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

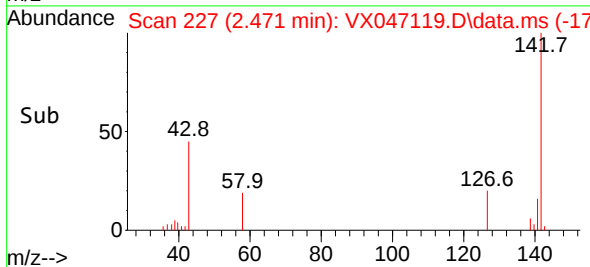
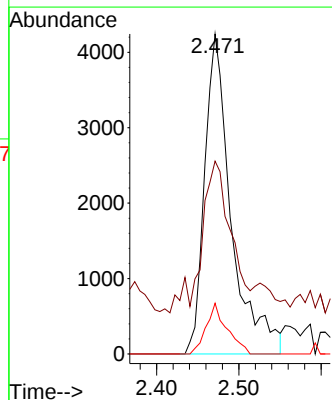
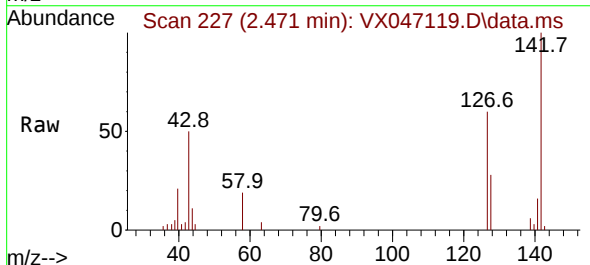


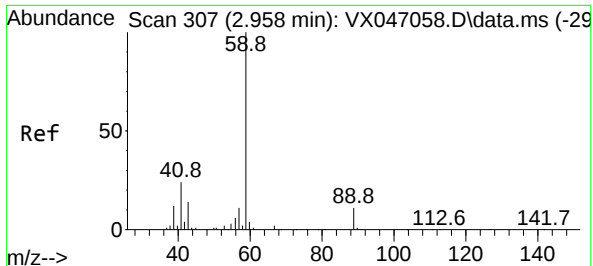
Tgt Ion: 94 Resp: 940
Ion Ratio Lower Upper
94 100
96 0.0 72.3 108.5#



#10
Methyl Iodide
Concen: 1.864 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 142 Resp: 9544
Ion Ratio Lower Upper
142 100
127 51.1 36.6 54.8
141 12.4 10.9 16.3





#11

Tert butyl alcohol

Concen: 1.760 ug/l

RT: 2.965 min Scan# 30

Delta R.T. 0.007 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

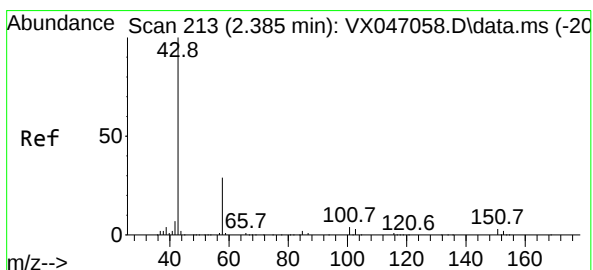
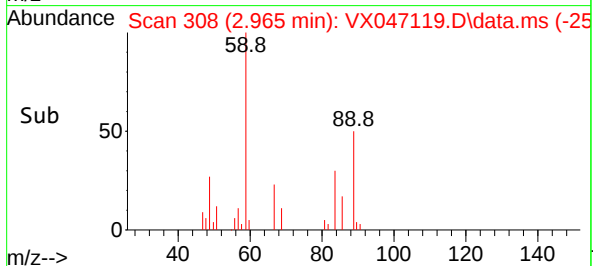
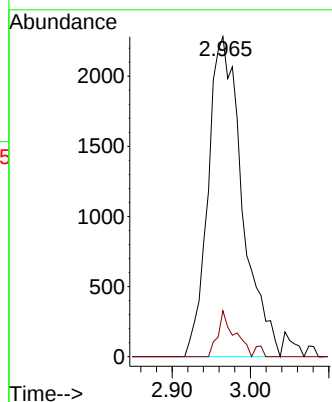
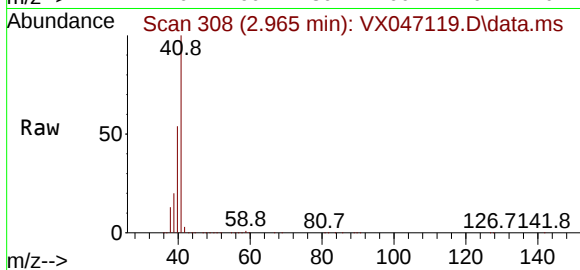
ClientSampleId :

Tgt Ion: 59 Resp: 6905

Ion Ratio Lower Upper

59 100

57 7.0 8.5 12.7#



#16

Acetone

Concen: 55.100 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX047119.D

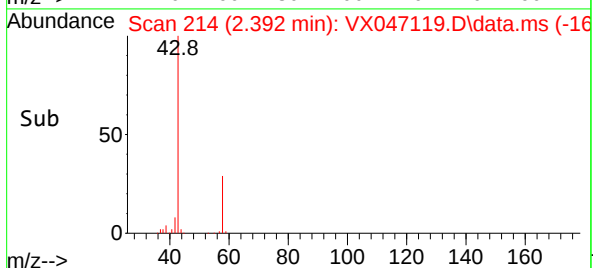
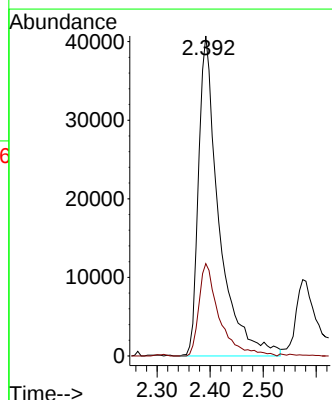
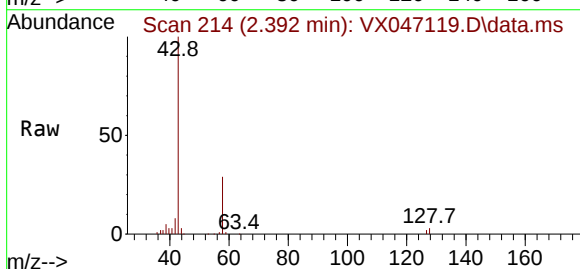
Acq: 24 Jul 2025 14:50

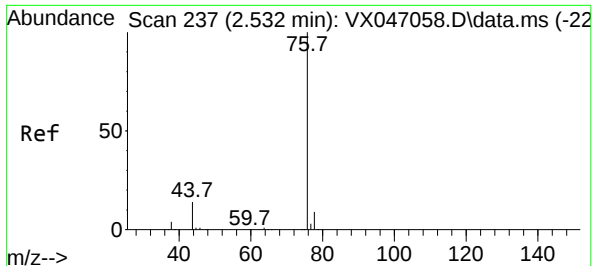
Tgt Ion: 43 Resp: 108888

Ion Ratio Lower Upper

43 100

58 29.1 24.0 36.0





#17

Carbon Disulfide

Concen: 0.565 ug/l

RT: 2.526 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

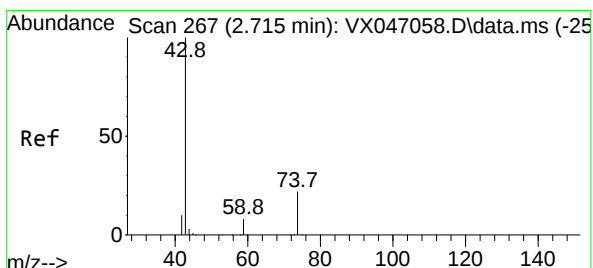
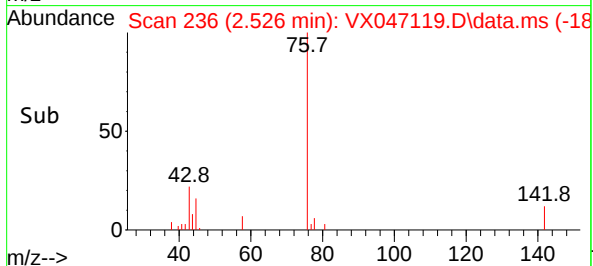
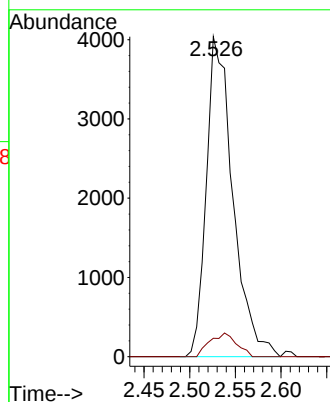
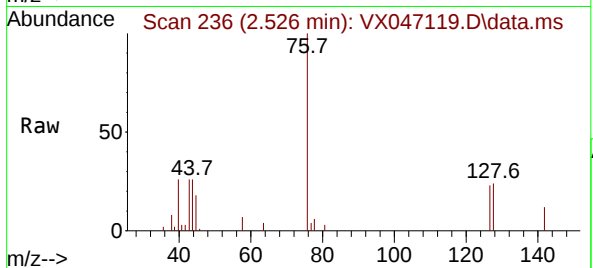
ClientSampleId :

Tgt Ion: 76 Resp: 8141

Ion Ratio Lower Upper

76 100

78 5.8 7.0 10.4#



#18

Methyl Acetate

Concen: 3.020 ug/l

RT: 2.721 min Scan# 268

Delta R.T. 0.006 min

Lab File: VX047119.D

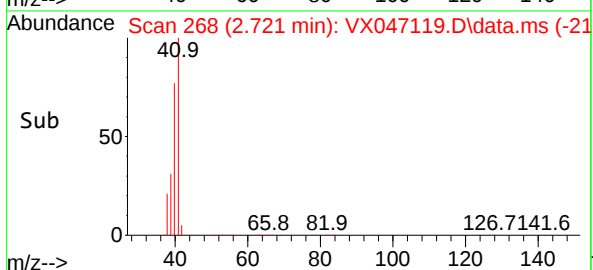
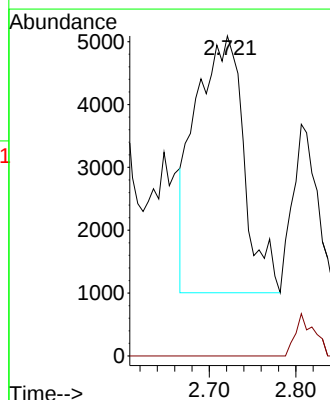
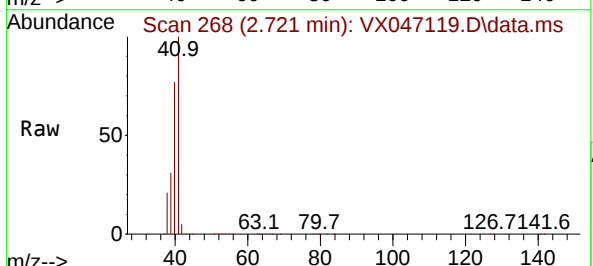
Acq: 24 Jul 2025 14:50

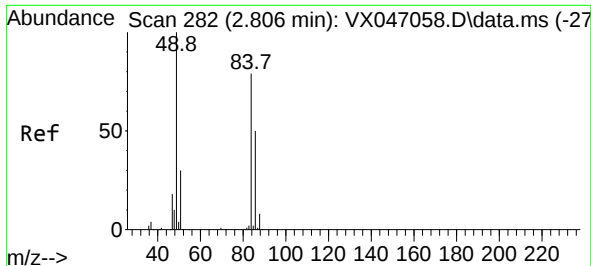
Tgt Ion: 43 Resp: 15862

Ion Ratio Lower Upper

43 100

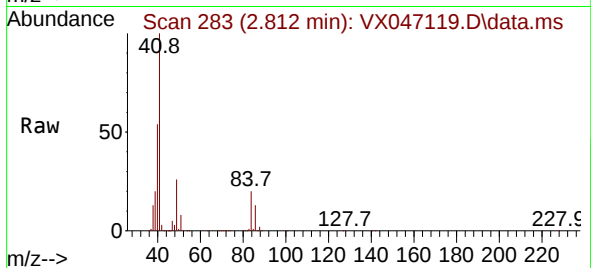
74 0.0 17.7 26.5#





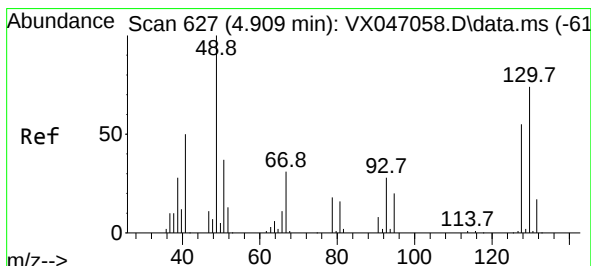
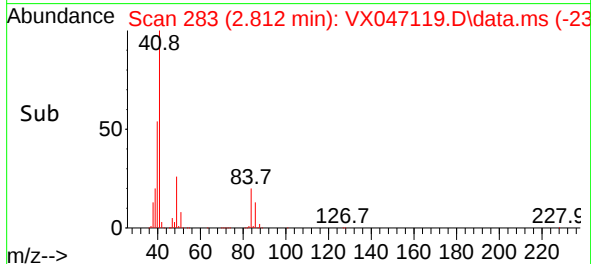
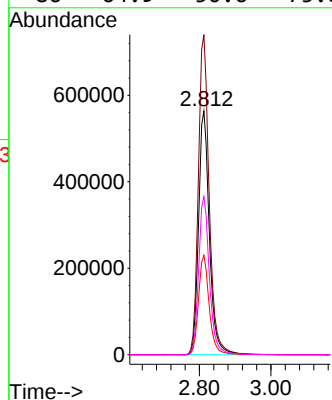
#20
Methylene Chloride
Concen: 217.451 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 1182210

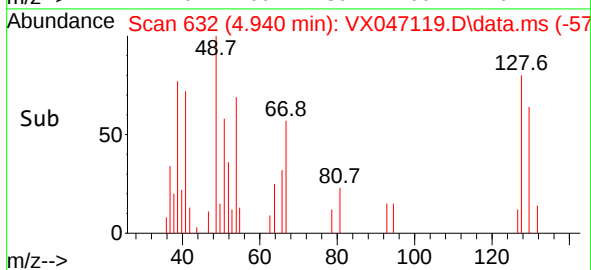
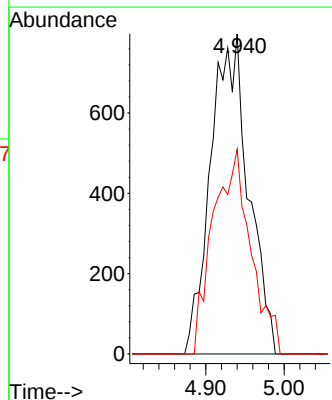
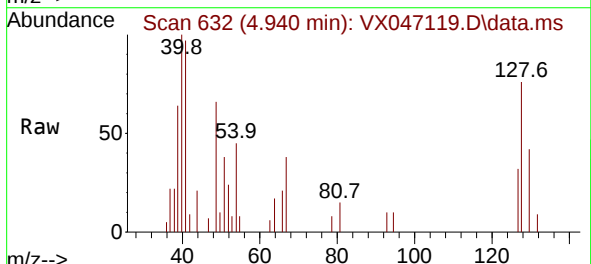
Ion	Ratio	Lower	Upper
84	100		
49	131.4	101.6	152.4
51	40.8	30.3	45.5
86	64.9	50.6	75.8

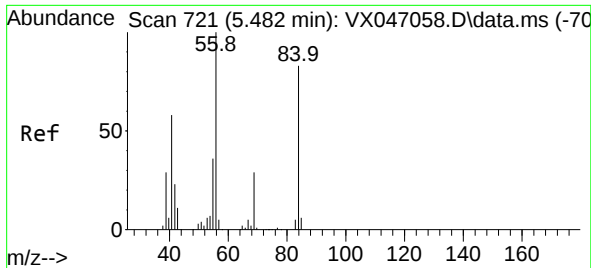


#28
Bromochloromethane
Concen: 0.603 ug/l
RT: 4.940 min Scan# 632
Delta R.T. 0.031 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 49 Resp: 2670

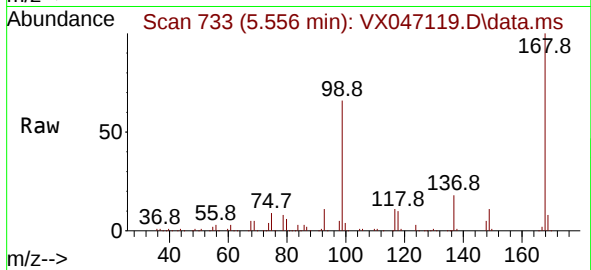
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	63.7	59.0	88.4



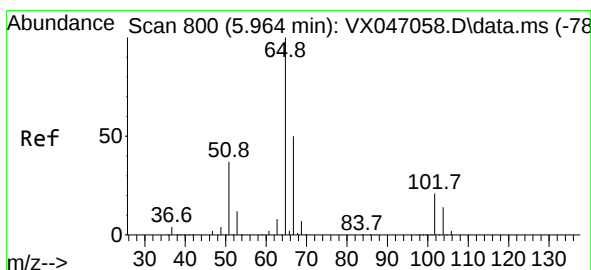
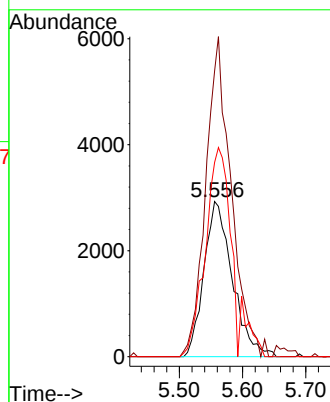
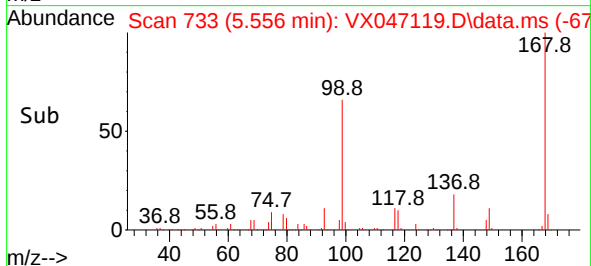


#31
Cyclohexane
Concen: 0.992 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

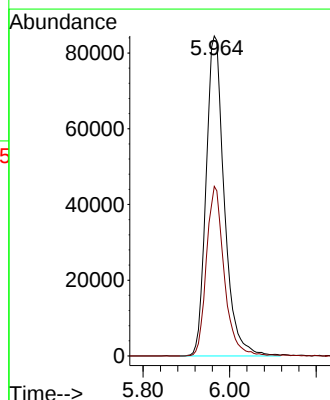
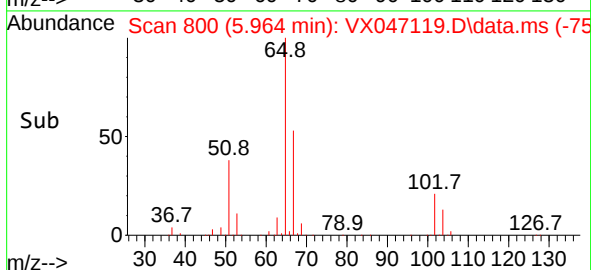
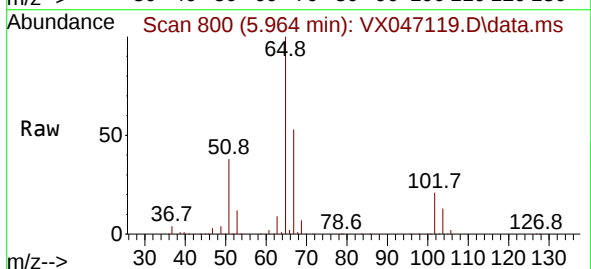


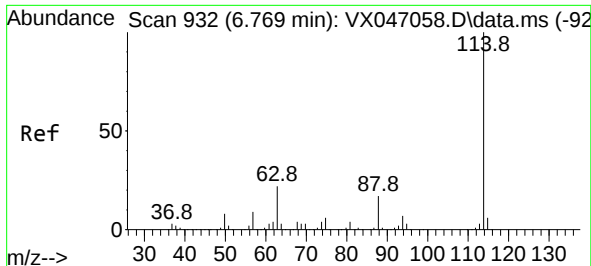
Tgt Ion: 56 Resp: 9144
Ion Ratio Lower Upper
56 100
69 173.8 23.3 34.9#
84 118.2 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 50.011 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

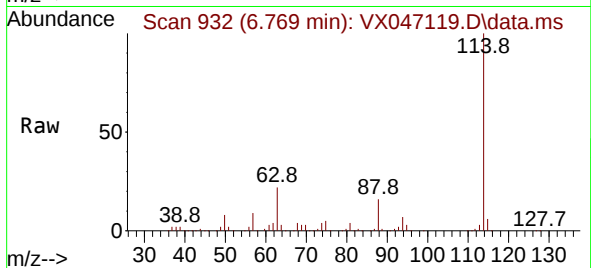
Tgt Ion: 65 Resp: 246707
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.8



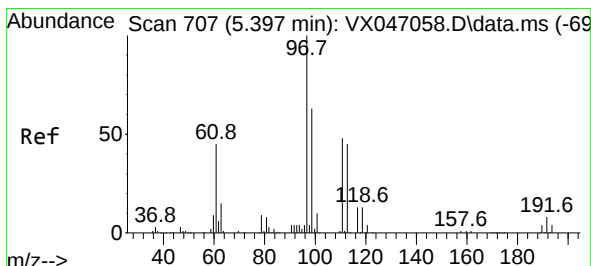
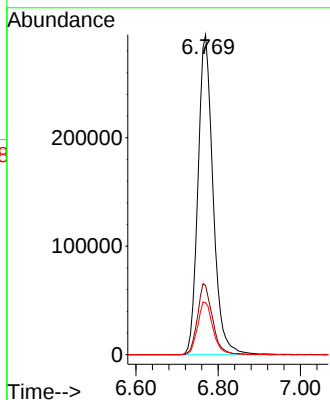
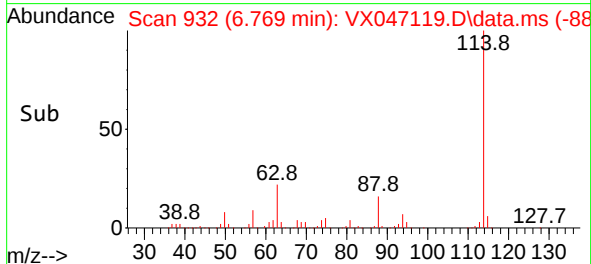


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

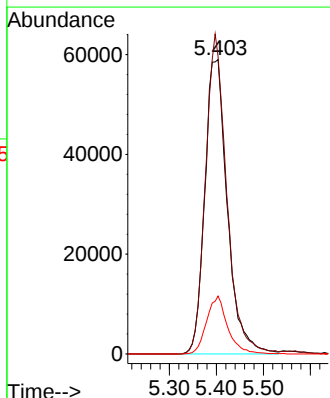
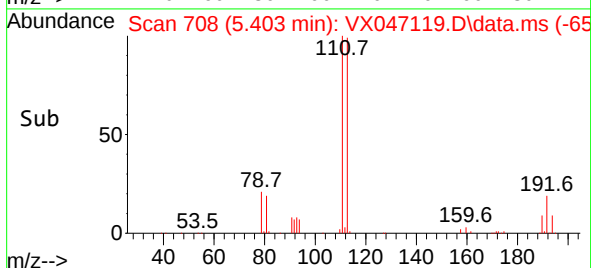
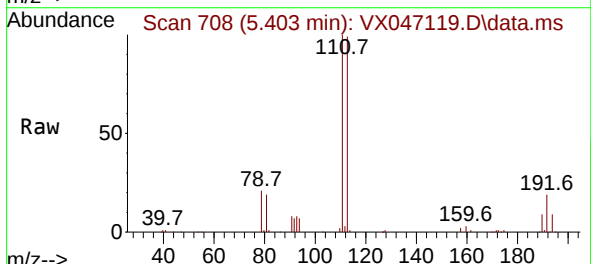


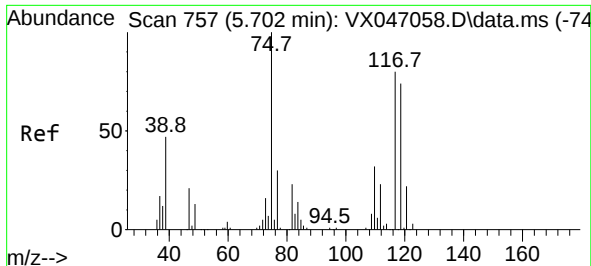
Tgt Ion:114 Resp: 749209
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.2
88 16.3 0.0 33.8



#35
Dibromofluoromethane
Concen: 42.578 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

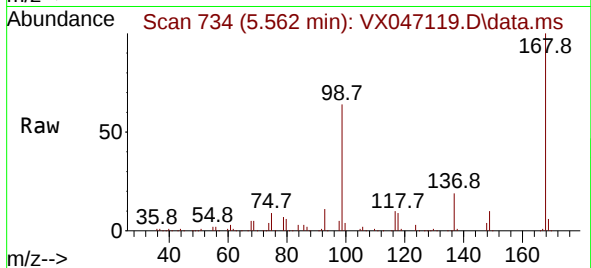
Tgt Ion:113 Resp: 196961
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 18.3 14.9 22.3



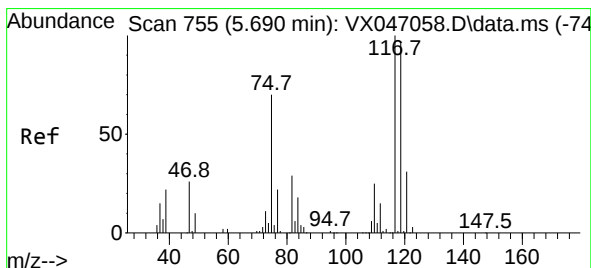
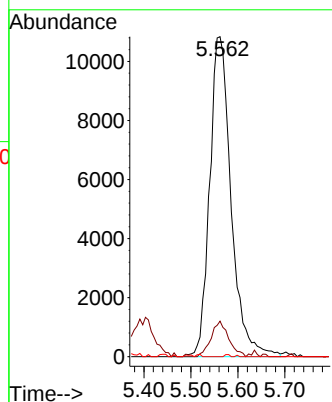
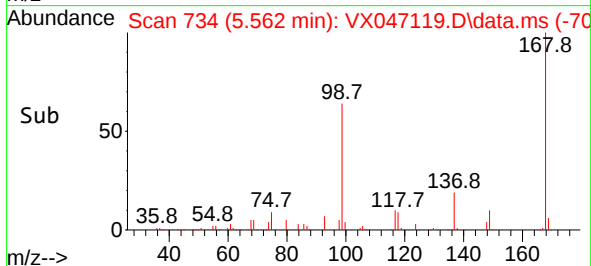


#36
 1,1-Dichloropropene
 Concen: 4.353 ug/l
 RT: 5.562 min Scan# 714
 Delta R.T. -0.140 min
 Lab File: VX047119.D
 Acq: 24 Jul 2025 14:50

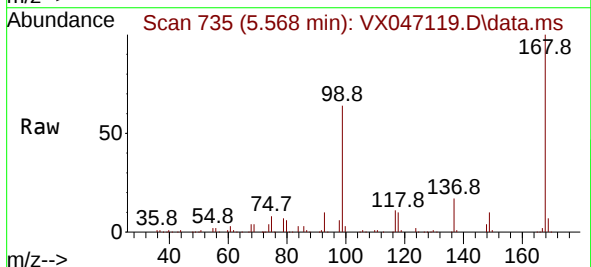
Instrument :
 MSVOA_X
 ClientSampleId :



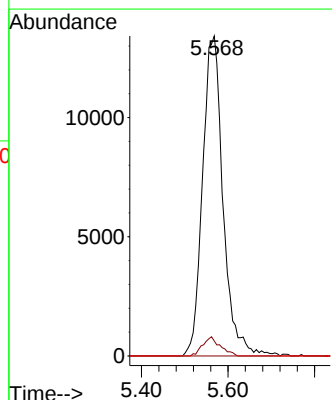
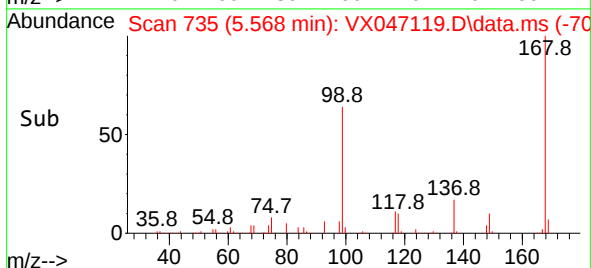
Tgt Ion: 75 Resp: 34323
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.2 51.5#
 77 0.2 25.1 37.7#

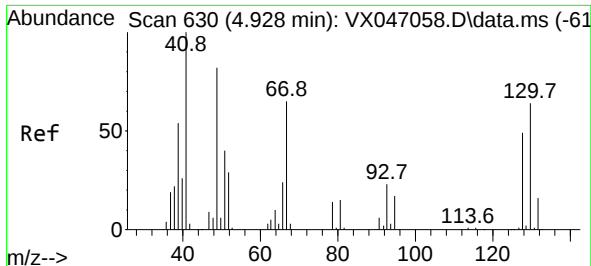


#38
 Carbon Tetrachloride
 Concen: 5.232 ug/l
 RT: 5.568 min Scan# 735
 Delta R.T. -0.122 min
 Lab File: VX047119.D
 Acq: 24 Jul 2025 14:50



Tgt Ion: 117 Resp: 44035
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.6 115.0#
 121 0.0 24.4 36.6#

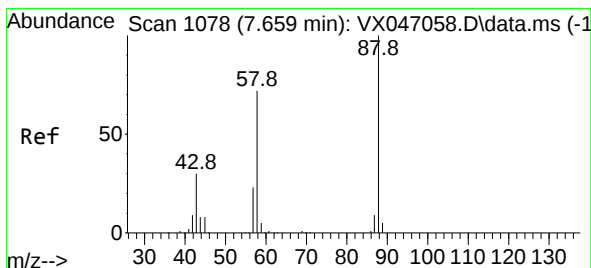
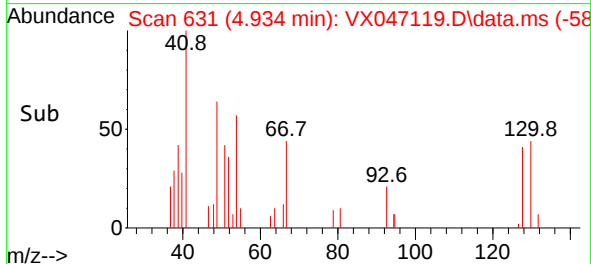
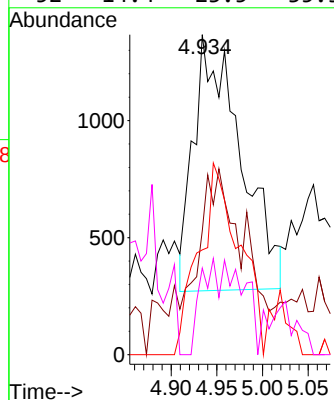
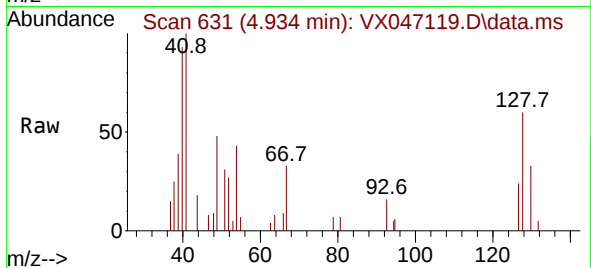




#41
Methacrylonitrile
Concen: 1.026 ug/l
RT: 4.934 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

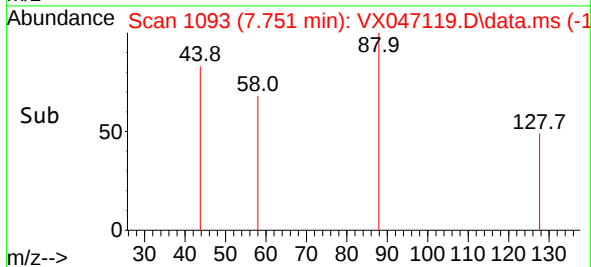
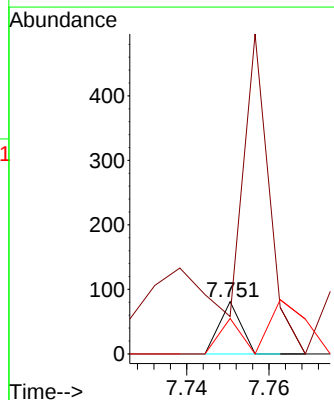
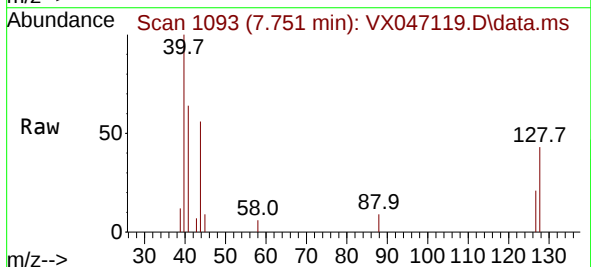
Instrument :
MSVOA_X
ClientSampleId :

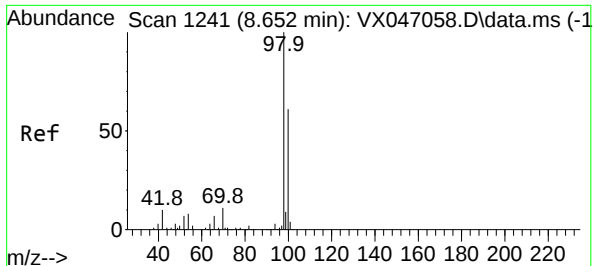
Tgt Ion: 41 Resp: 3898
Ion Ratio Lower Upper
41 100
39 39.0 44.2 66.2#
67 64.4 56.4 84.6
52 14.4 23.5 35.3#



#49
1,4-Dioxane
Concen: 0.427 ug/l
RT: 7.751 min Scan# 1093
Delta R.T. 0.092 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 763.3 33.6 50.4#
58 236.7 58.8 88.2#





#50

Toluene-d8

Concen: 51.215 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

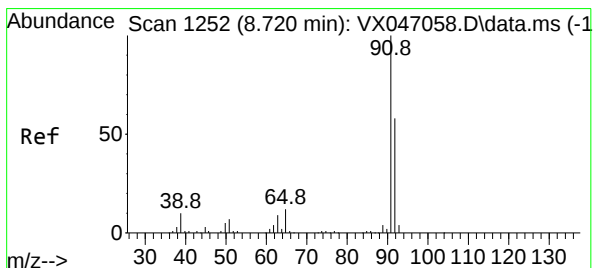
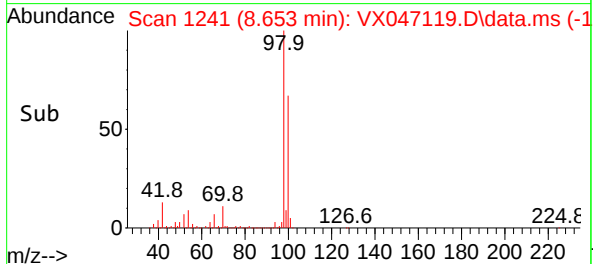
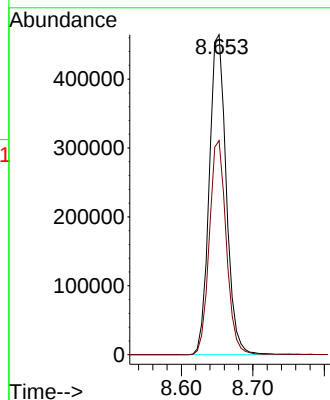
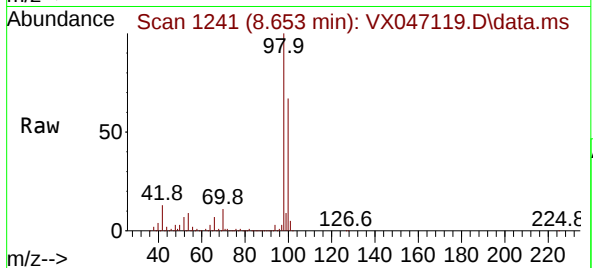
ClientSampleId :

Tgt Ion: 98 Resp: 767237

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9



#52

Toluene

Concen: 1.875 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX047119.D

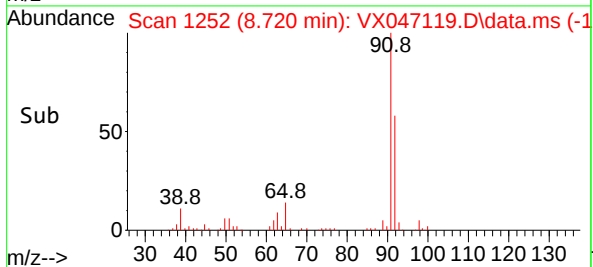
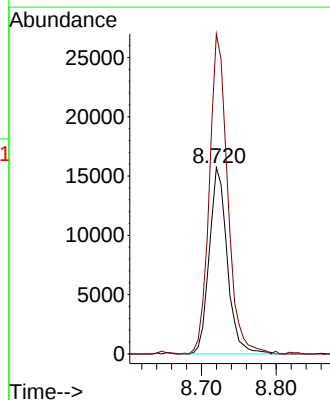
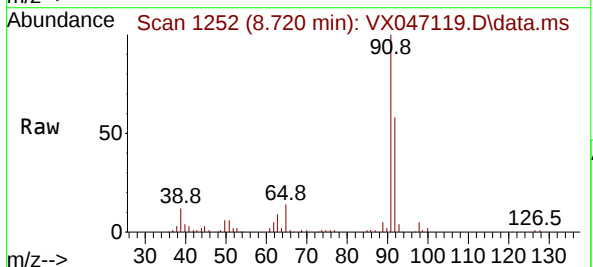
Acq: 24 Jul 2025 14:50

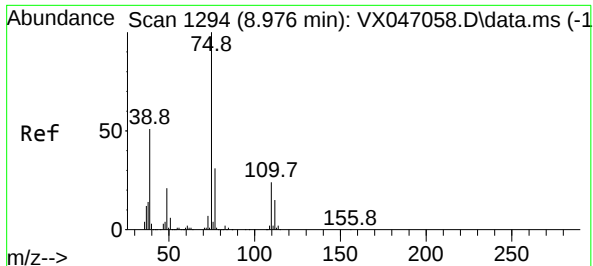
Tgt Ion: 92 Resp: 26302

Ion Ratio Lower Upper

92 100

91 174.7 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 0.253 ug/l

RT: 9.037 min Scan# 11

Delta R.T. 0.061 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

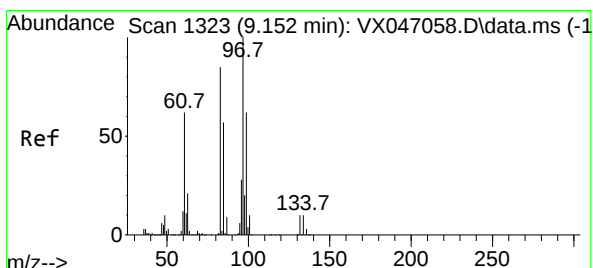
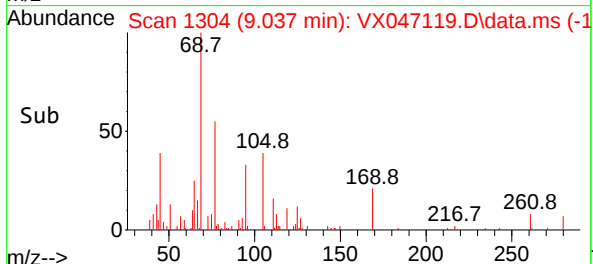
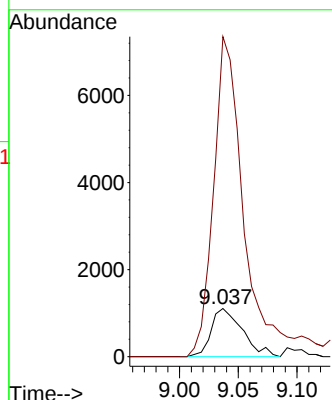
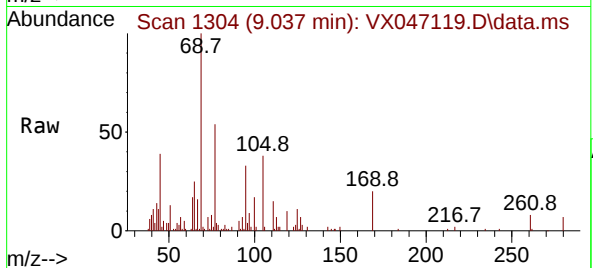
ClientSampleId :

Tgt Ion: 75 Resp: 2040

Ion Ratio Lower Upper

75 100

77 663.9 24.5 36.7#



#55

1,1,2-Trichloroethane

Concen: 2.664 ug/l

RT: 9.214 min Scan# 1333

Delta R.T. 0.061 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Tgt Ion: 97 Resp: 14018

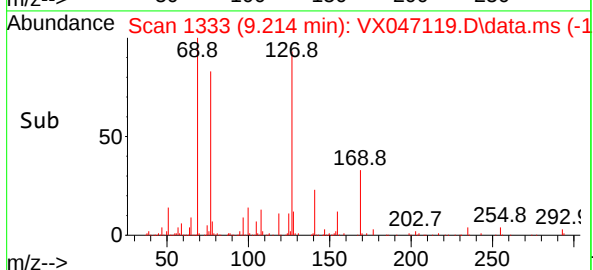
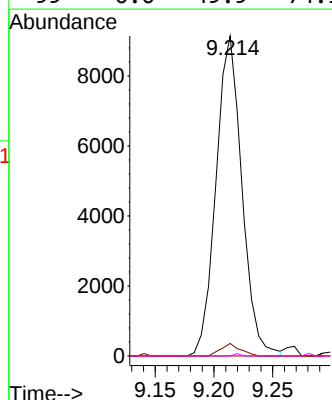
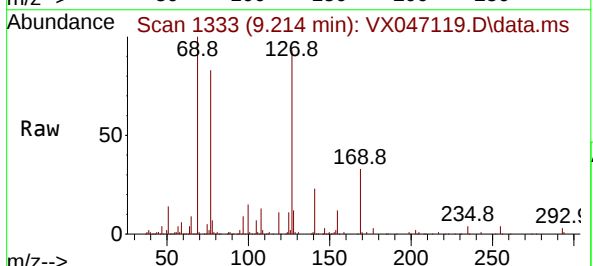
Ion Ratio Lower Upper

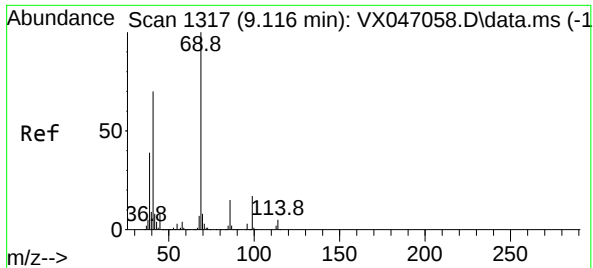
97 100

83 3.9 68.0 102.0#

85 0.0 45.2 67.8#

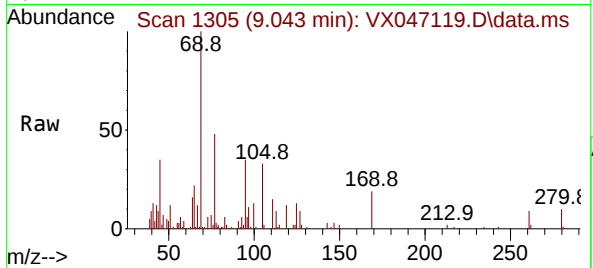
99 0.0 49.9 74.9#



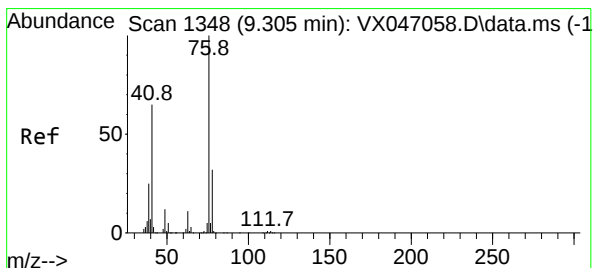
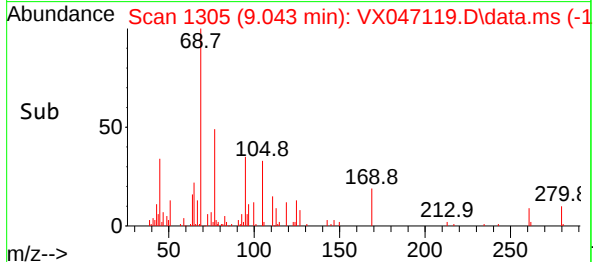
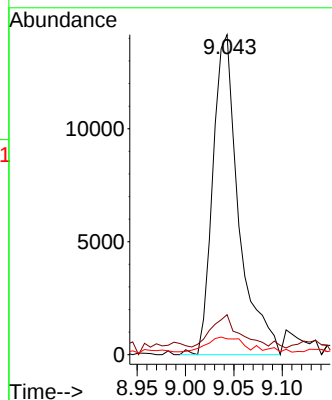


#56
Ethyl methacrylate
Concen: 3.376 ug/l
RT: 9.043 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :

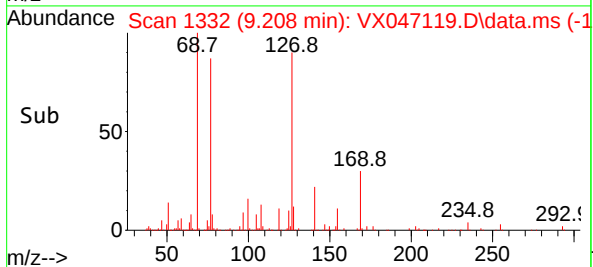
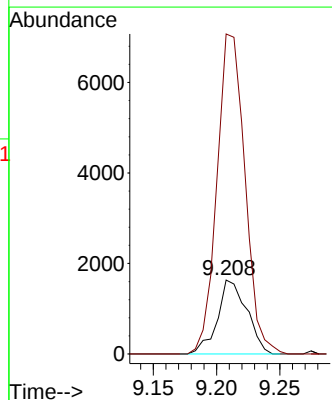
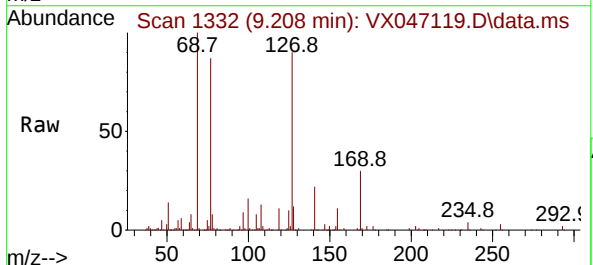


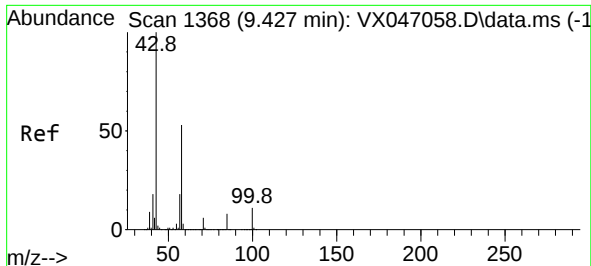
Tgt Ion: 69 Resp: 26298
Ion Ratio Lower Upper
69 100
41 15.4 56.1 84.1#
39 5.8 31.1 46.7#



#57
1,3-Dichloropropane
Concen: 0.289 ug/l
RT: 9.208 min Scan# 1332
Delta R.T. -0.097 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 76 Resp: 2646
Ion Ratio Lower Upper
76 100
78 412.2 25.5 38.3#

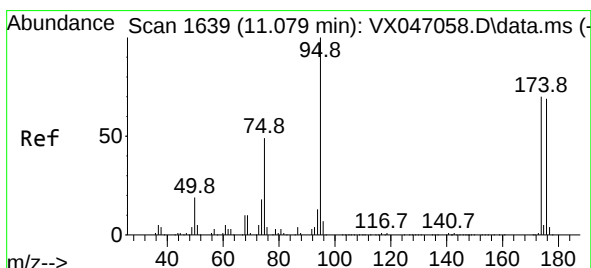
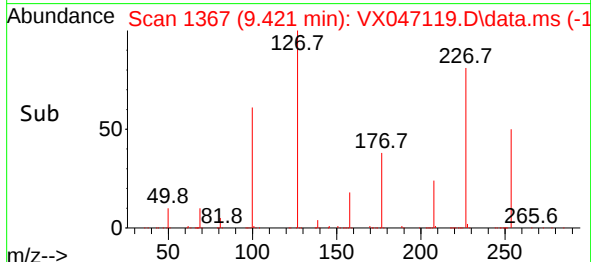
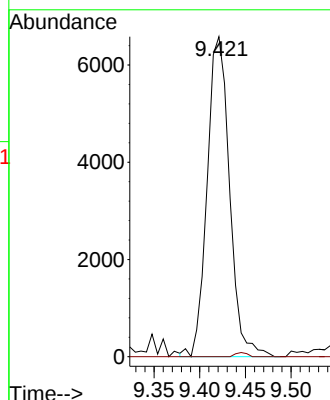
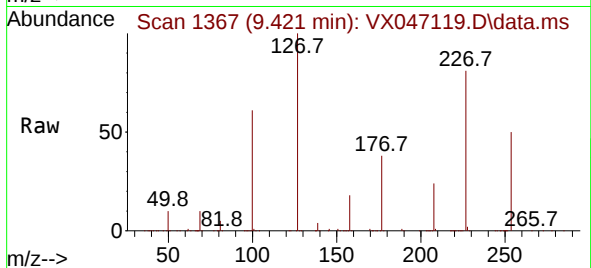




#59
2-Hexanone
Concen: 2.522 ug/l
RT: 9.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

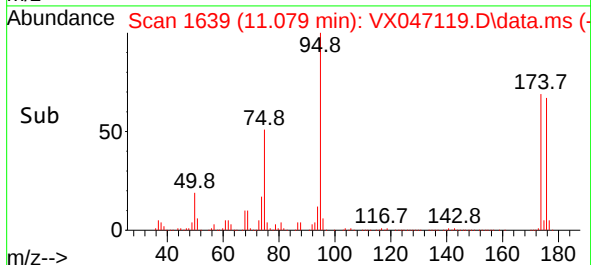
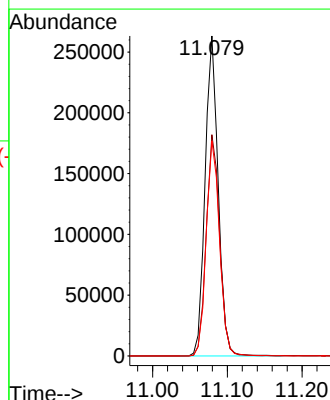
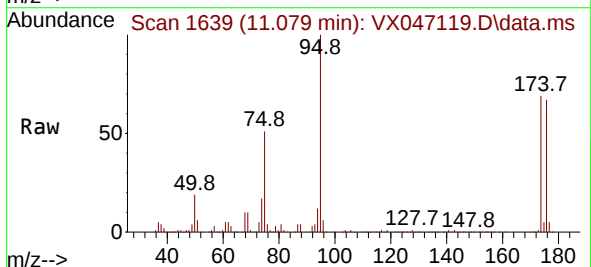
Instrument :
MSVOA_X
ClientSampleId :

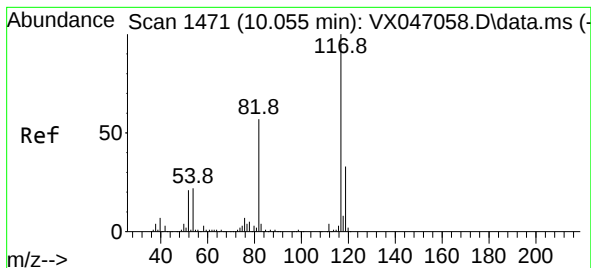
Tgt Ion: 43 Resp: 11218
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 49.471 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 95 Resp: 319376
Ion Ratio Lower Upper
95 100
174 70.9 0.0 144.6
176 68.7 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: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

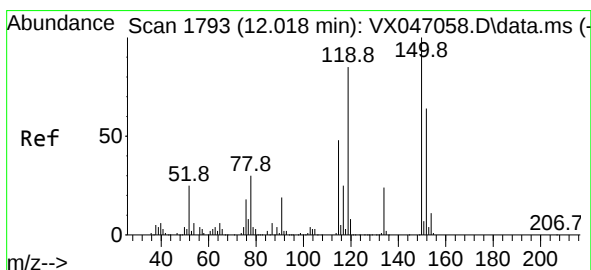
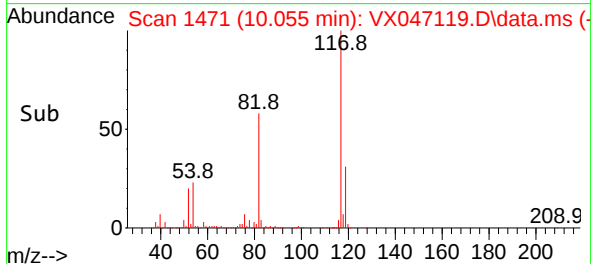
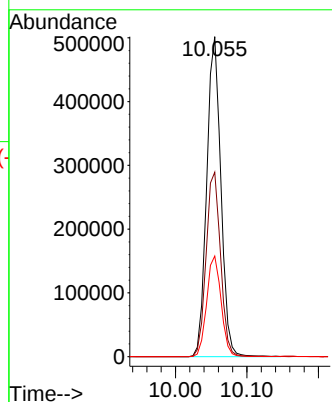
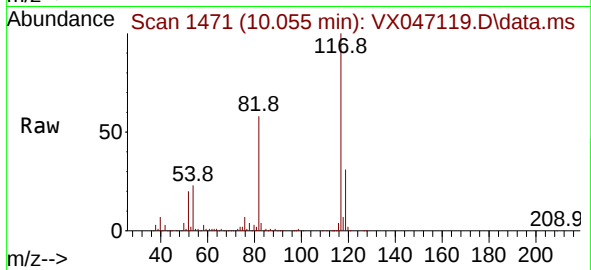
Tgt Ion:117 Resp: 689935

Ion Ratio Lower Upper

117 100

82 57.6 45.4 68.2

119 31.5 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: VX047119.D

Acq: 24 Jul 2025 14:50

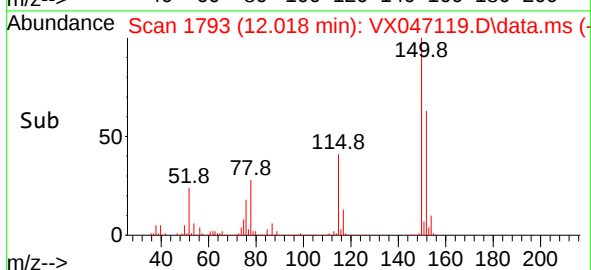
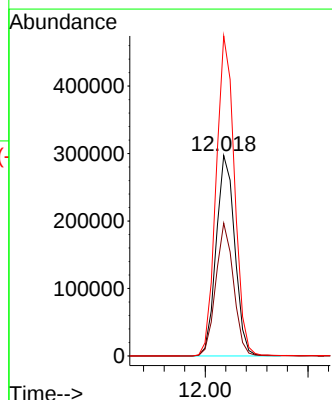
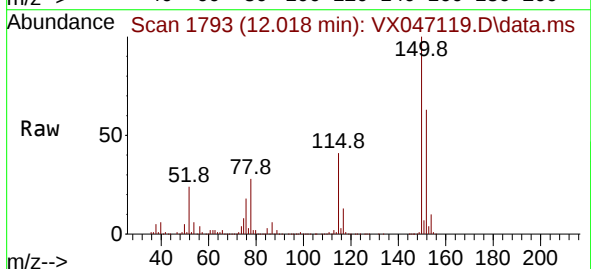
Tgt Ion:152 Resp: 372334

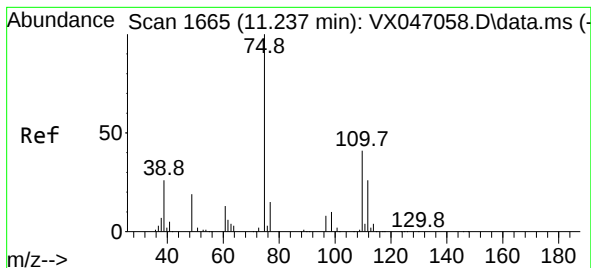
Ion Ratio Lower Upper

152 100

115 63.5 45.6 136.7

150 157.7 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 23.977 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

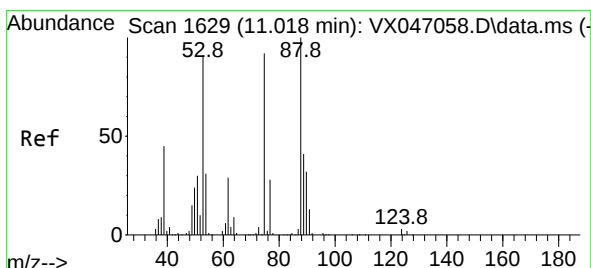
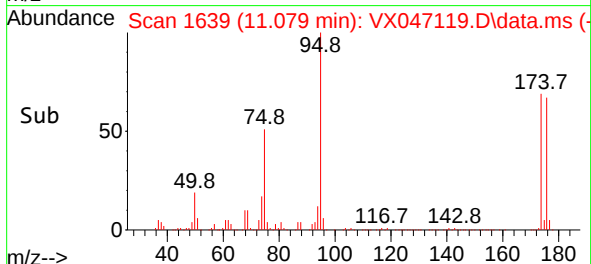
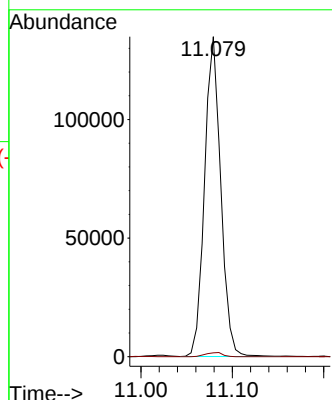
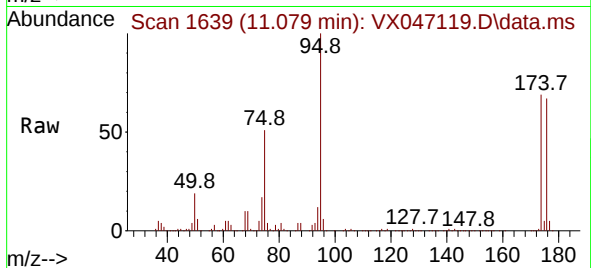
ClientSampleId :

Tgt Ion: 75 Resp: 165246

Ion Ratio Lower Upper

75 100

77 1.4 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.775 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

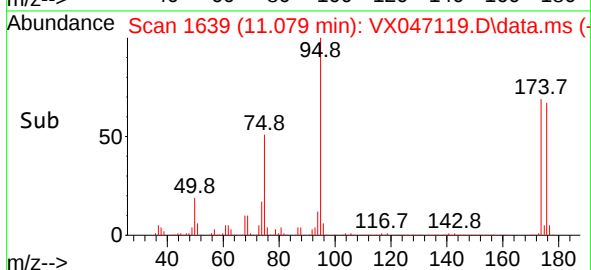
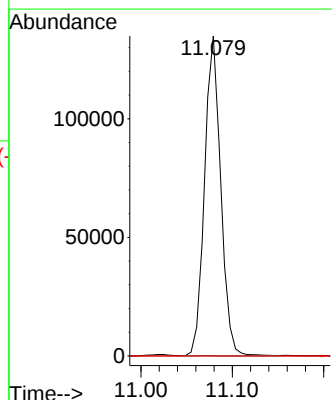
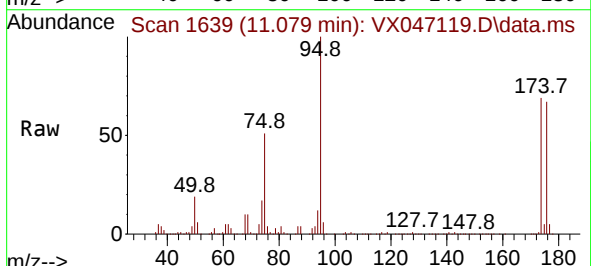
Tgt Ion: 75 Resp: 165246

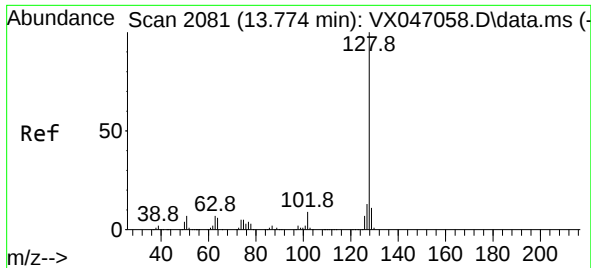
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 0.402 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

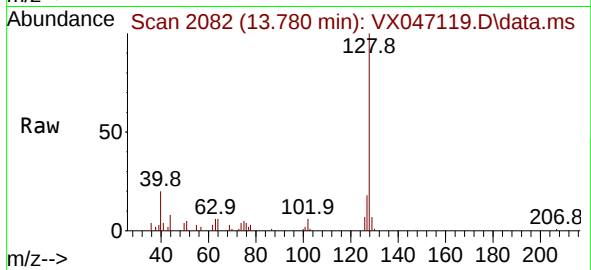
Lab File: VX047119.D

Acq: 24 Jul 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 9956

Ion Ratio Lower Upper

128 100

127 10.4 10.1 15.1

129 5.7 8.6 13.0#

