

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048347.D
 Acq On : 24 Oct 2025 12:26
 Operator : JC/MD
 Sample : Q3403-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18

Quant Time: Oct 24 23:03:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

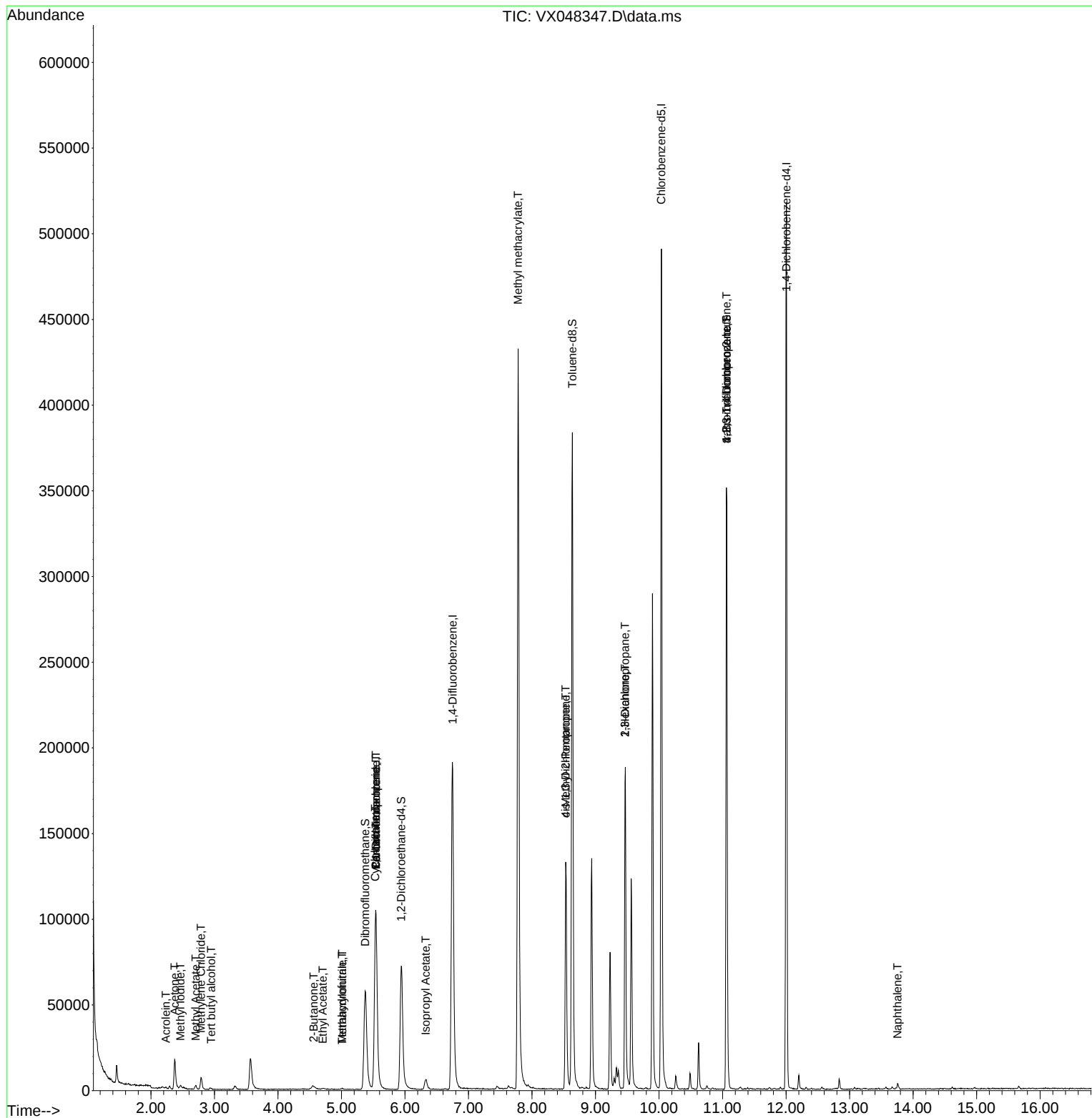
Internal Standards						
1) Pentafluorobenzene	5.544	168	102179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	205674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	212806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	81371	56.799	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.600%
35) Dibromofluoromethane	5.373	113	55121	39.257	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	78.520%
50) Toluene-d8	8.635	98	233832	47.511	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.020%
62) 4-Bromofluorobenzene	11.061	95	100241	53.538	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.080%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.465	142	1976	1.426	ug/l #	95
11) Tert butyl alcohol	2.947	59	93	0.654	ug/l #	72
13) Acrolein	2.233	56	126	0.869	ug/l #	32
16) Acetone	2.374	43	23405	47.622	ug/l	99
18) Methyl Acetate	2.703	43	2920	2.845	ug/l	97
20) Methylene Chloride	2.788	84	3389	2.830	ug/l	89
25) 2-Butanone	4.562	43	3798	6.105	ug/l #	82
29) Tetrahydrofuran	5.007	42	429	1.151	ug/l #	42
31) Cyclohexane	5.532	56	2485	1.397	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	8754	4.386	ug/l #	51
37) Ethyl Acetate	4.702	43	1726	1.043	ug/l #	70
38) Carbon Tetrachloride	5.544	117	11674	4.741	ug/l #	15
41) Methacrylonitrile	5.013	41	240	0.276	ug/l #	41
43) Isopropyl Acetate	6.324	43	9497	3.495	ug/l	98
48) Methyl methacrylate	7.781	41	43530	31.748	ug/l #	47
51) 4-Methyl-2-Pentanone	8.531	43	50716	32.372	ug/l #	51
54) cis-1,3-Dichloropropene	8.531	75	22397	9.296	ug/l #	64
57) 1,3-Dichloropropane	9.464	76	1828	0.782	ug/l #	43
59) 2-Hexanone	9.464	43	24970	22.858	ug/l #	52
76) 1,2,3-Trichloropropane	11.061	75	55102	31.960	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.061	75	55102	77.757	ug/l #	10
95) Naphthalene	13.756	128	2311	0.374	ug/l #	94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
Data File : VX048347.D
Acq On : 24 Oct 2025 12:26
Operator : JC/MD
Sample : Q3403-04RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MH-18

Quant Time: Oct 24 23:03:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 20 14:13:59 2025
Response via : Initial Calibration

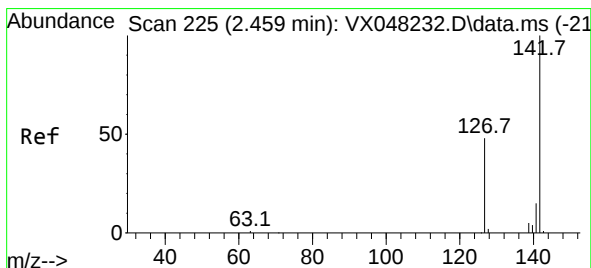
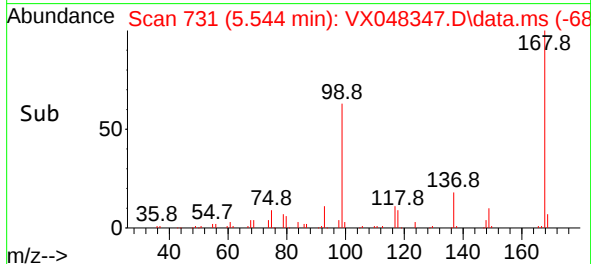
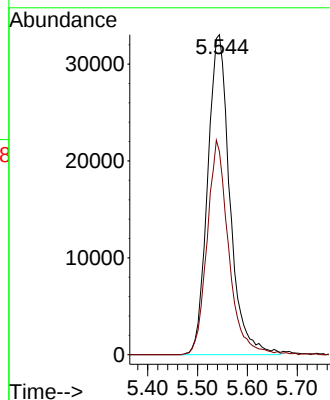
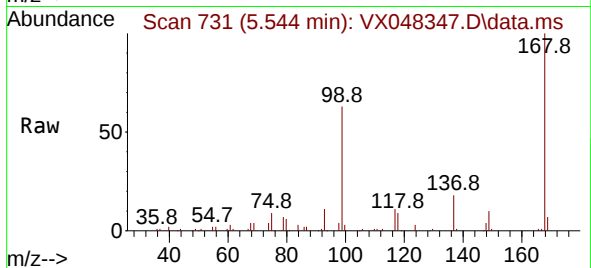




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

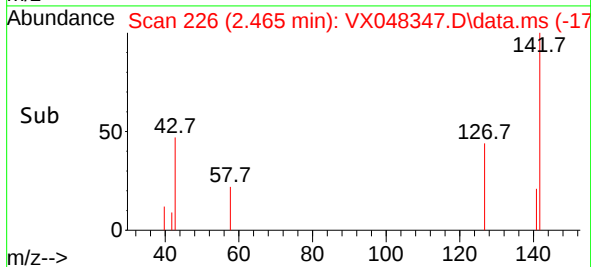
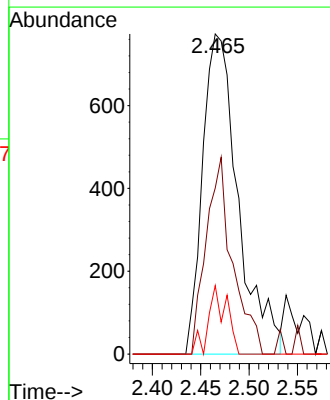
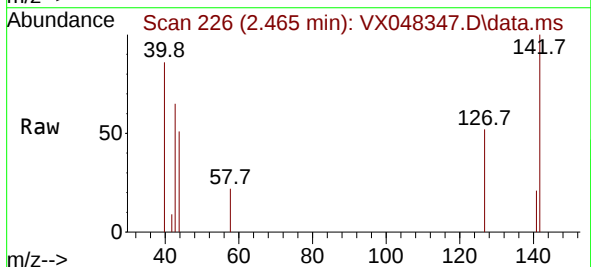
Instrument :
MSVOA_X
ClientSampleId :
MH-18

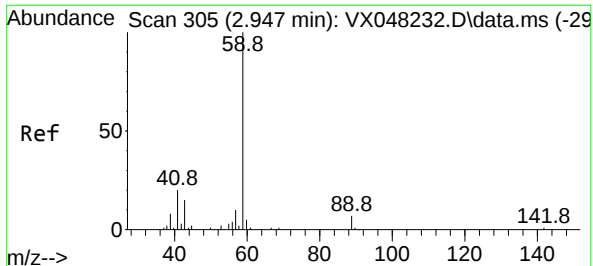
Tgt Ion:168 Resp: 102179
Ion Ratio Lower Upper
168 100
99 63.5 46.4 69.6



#10
Methyl Iodide
Concen: 1.426 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion:142 Resp: 1976
Ion Ratio Lower Upper
142 100
127 45.7 38.5 57.7
141 11.0 11.6 17.4#

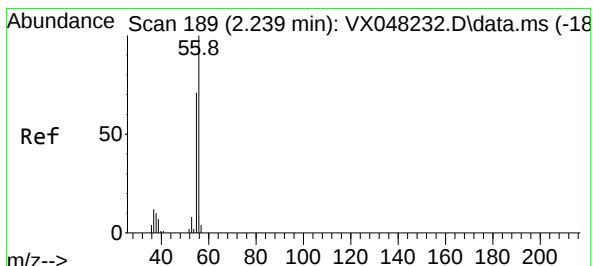
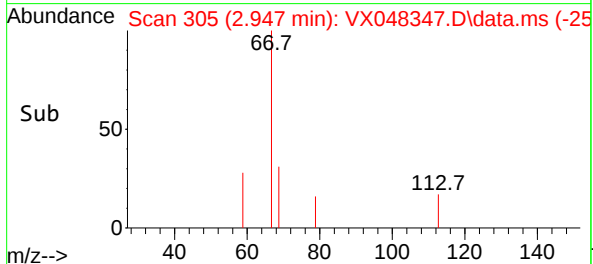
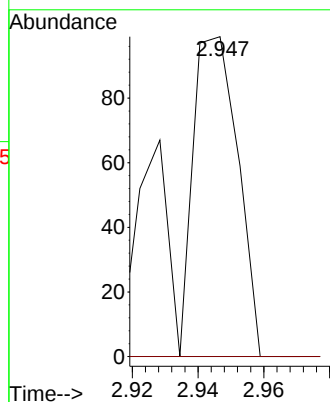
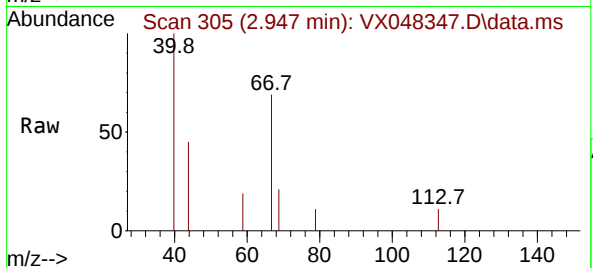




#11
Tert butyl alcohol
Concen: 0.654 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

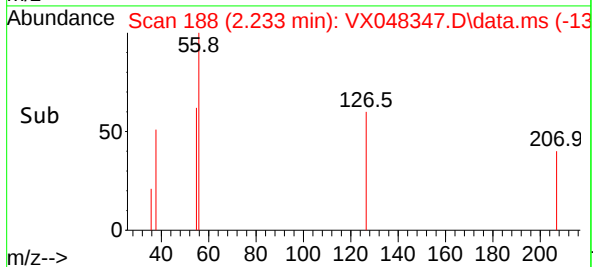
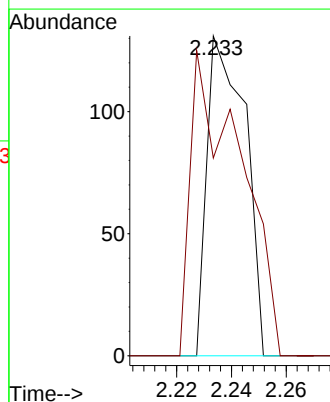
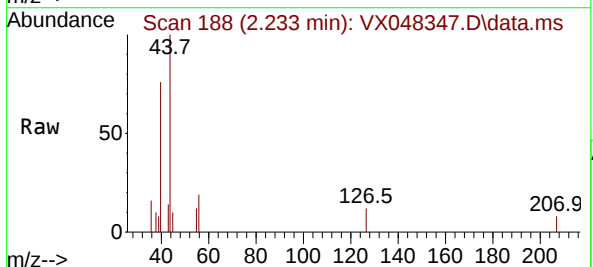
Instrument :
MSVOA_X
ClientSampleId :
MH-18

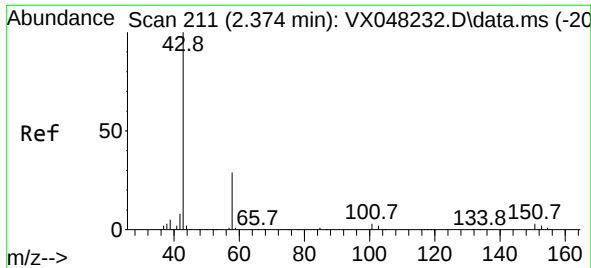
Tgt Ion: 59 Resp: 93
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.869 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 126.2 56.1 84.1#

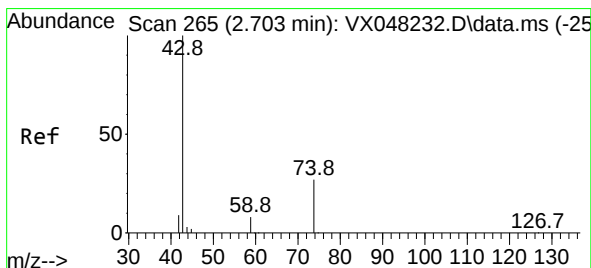
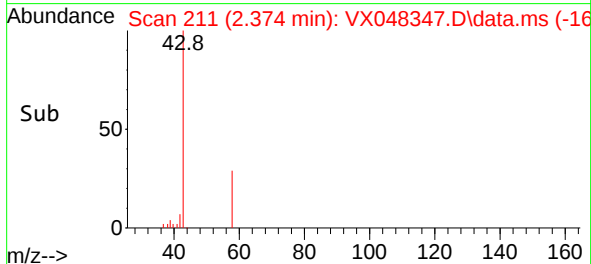
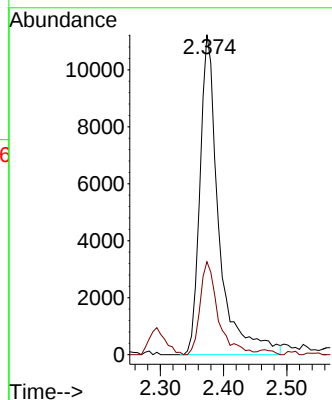
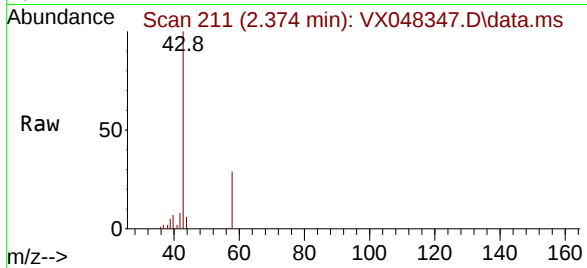




#16
Acetone
Concen: 47.622 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

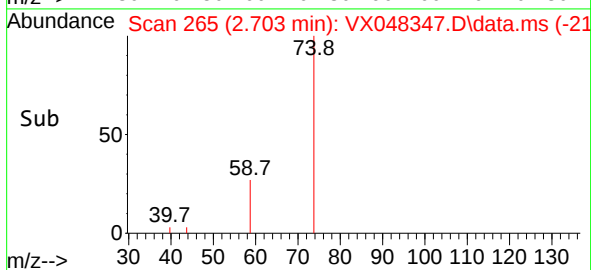
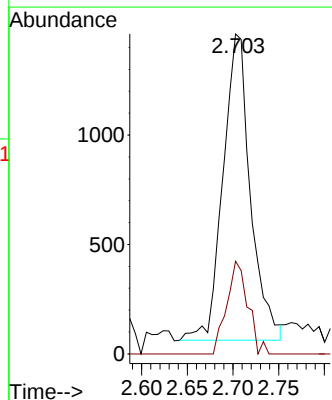
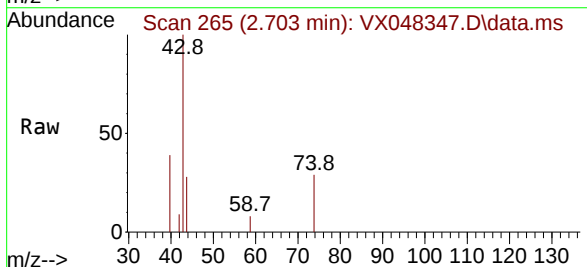
Instrument :
MSVOA_X
ClientSampleId :
MH-18

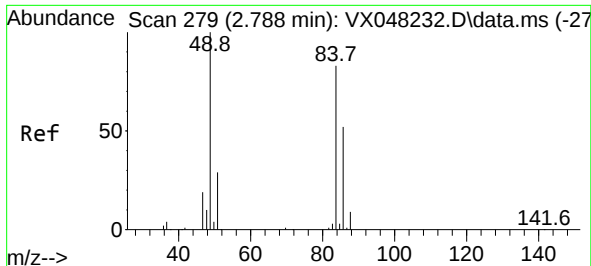
Tgt Ion: 43 Resp: 23405
Ion Ratio Lower Upper
43 100
58 29.9 23.4 35.2



#18
Methyl Acetate
Concen: 2.845 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 43 Resp: 2920
Ion Ratio Lower Upper
43 100
74 23.3 17.5 26.3

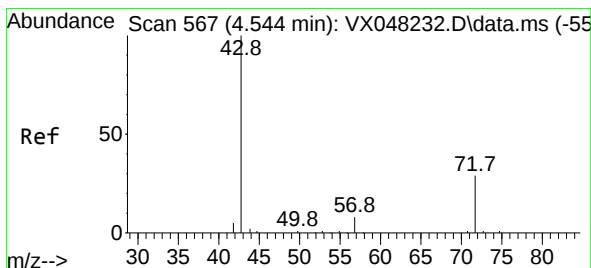
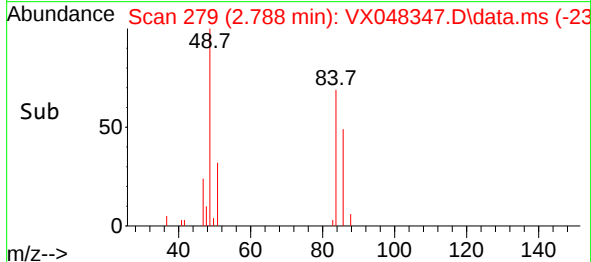
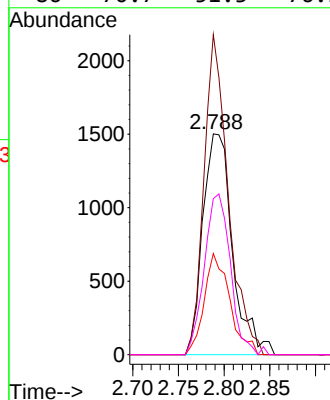
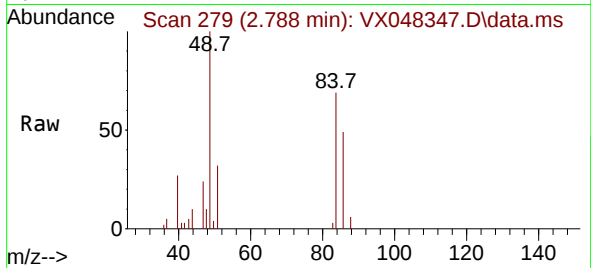




#20
Methylene Chloride
Concen: 2.830 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

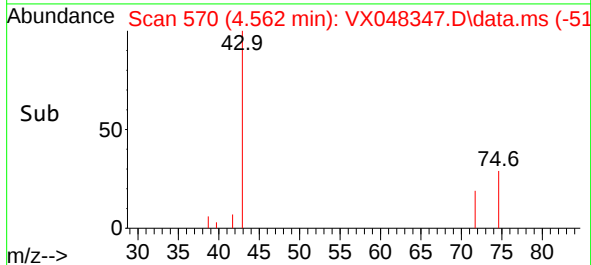
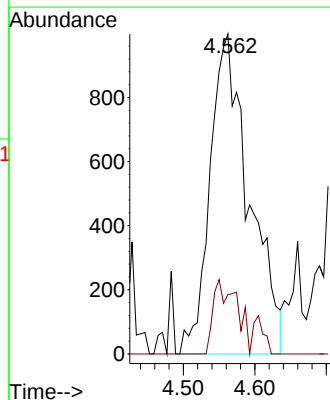
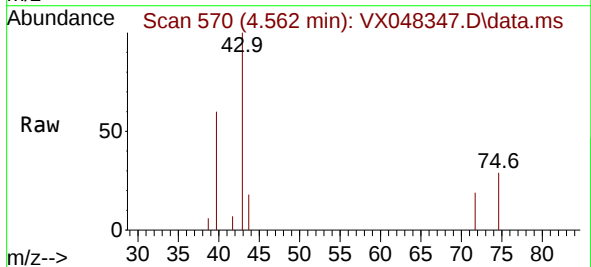
Instrument :
MSVOA_X
ClientSampleId :
MH-18

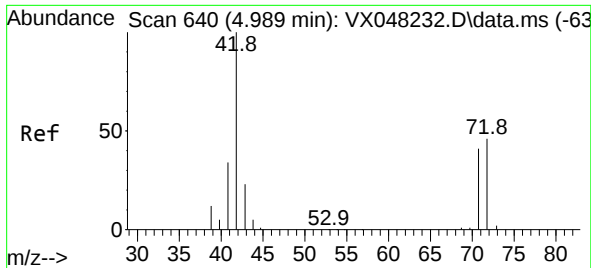
Tgt Ion:	84	Resp:	3389
Ion	Ratio	Lower	Upper
84	100		
49	144.9	104.1	156.1
51	45.8	31.3	46.9
86	70.7	51.3	76.9



#25
2-Butanone
Concen: 6.105 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion:	43	Resp:	3798
Ion	Ratio	Lower	Upper
43	100		
72	15.7	19.9	29.9#

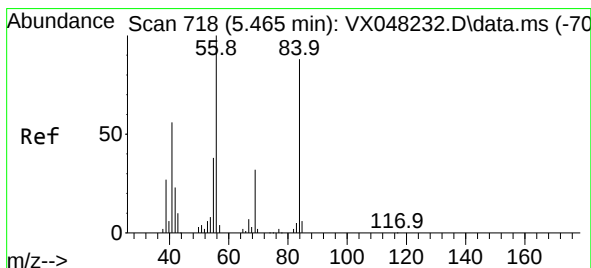
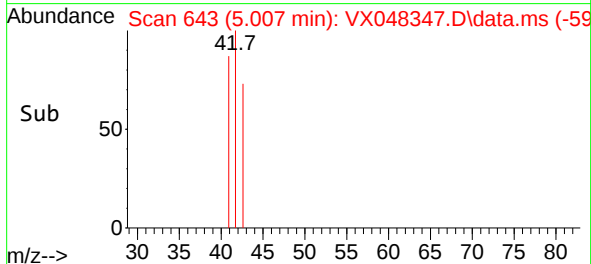
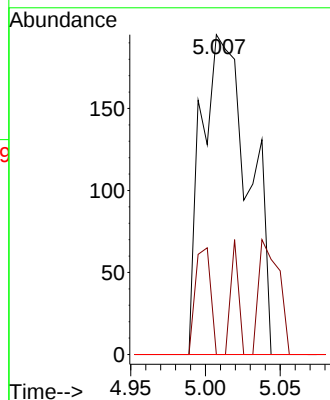
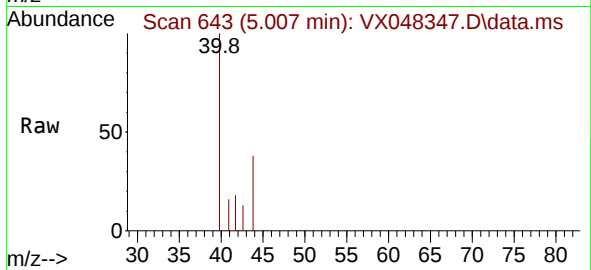




#29
Tetrahydrofuran
Concen: 1.151 ug/l
RT: 5.007 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

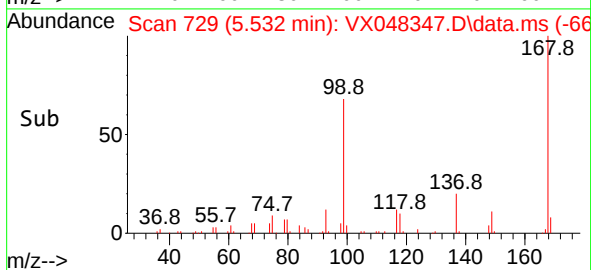
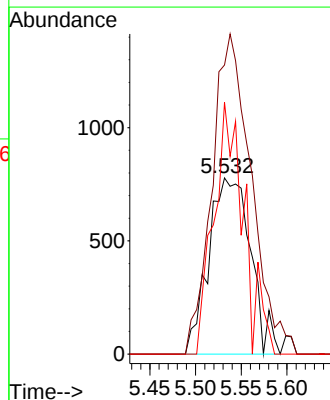
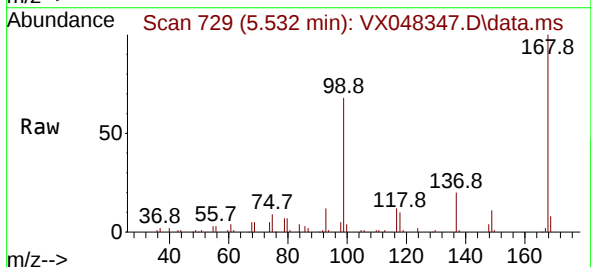
Instrument :
MSVOA_X
ClientSampleId :
MH-18

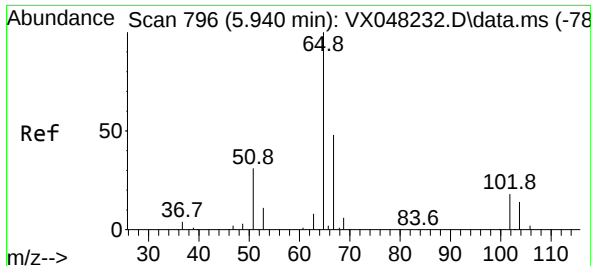
Tgt Ion: 42 Resp: 429
Ion Ratio Lower Upper
42 100
72 10.7 35.3 52.9#
71 0.0 32.2 48.4#



#31
Cyclohexane
Concen: 1.397 ug/l
RT: 5.532 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 56 Resp: 2485
Ion Ratio Lower Upper
56 100
69 164.1 23.0 34.6#
84 142.9 64.6 97.0#

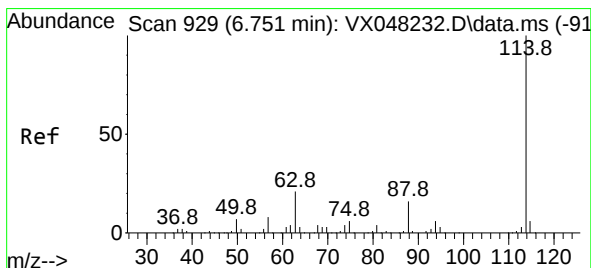
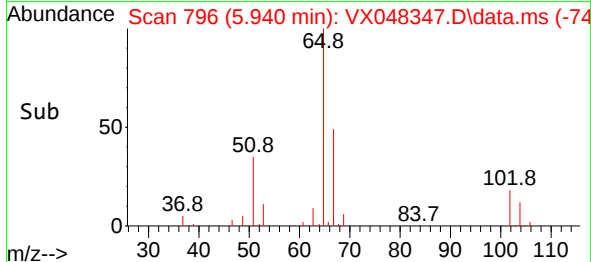
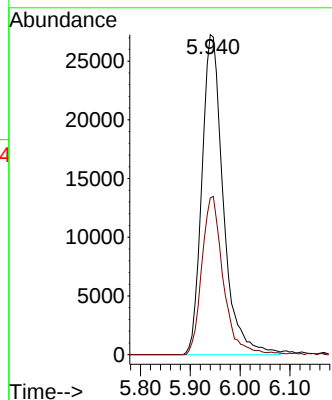
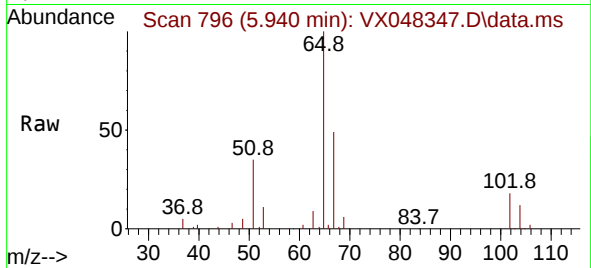




#33
 1,2-Dichloroethane-d4
 Concen: 56.799 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048347.D
 Acq: 24 Oct 2025 12:26

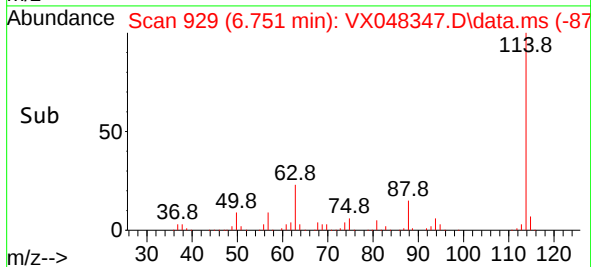
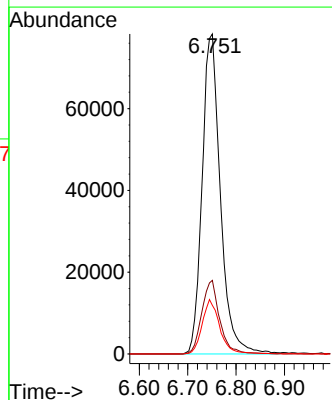
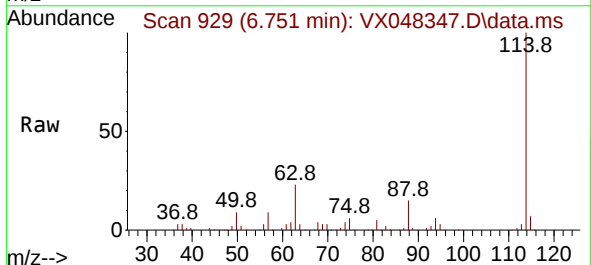
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18

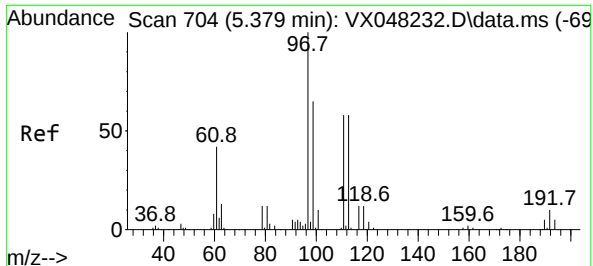
Tgt Ion: 65 Resp: 81371
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048347.D
 Acq: 24 Oct 2025 12:26

Tgt Ion: 114 Resp: 205674
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.2
 88 15.2 0.0 33.6

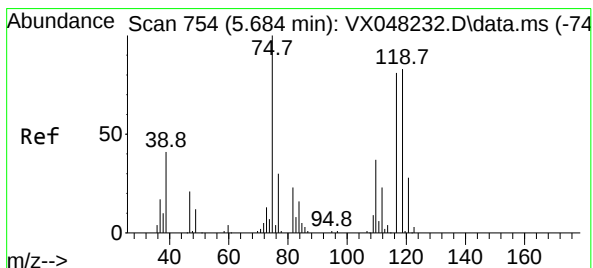
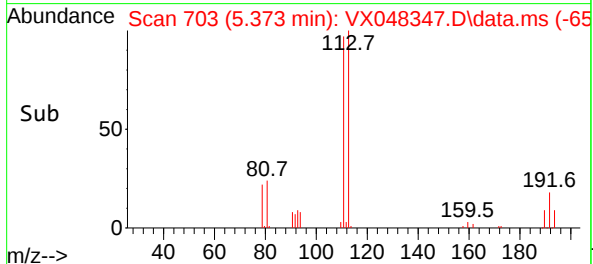
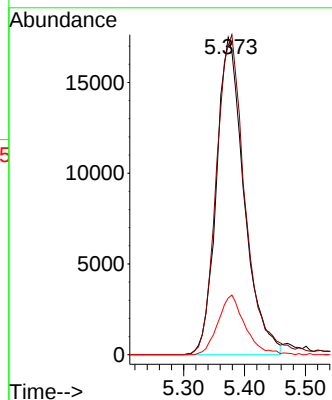
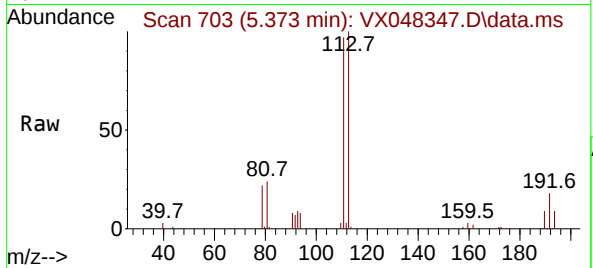




#35
Dibromofluoromethane
Concen: 39.257 ug/l
RT: 5.373 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

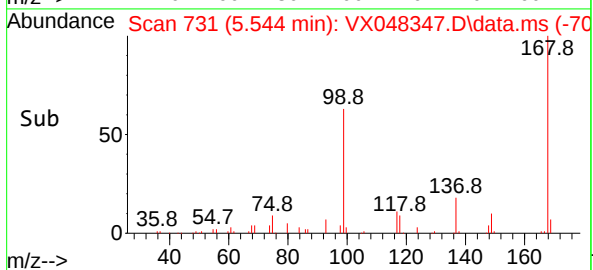
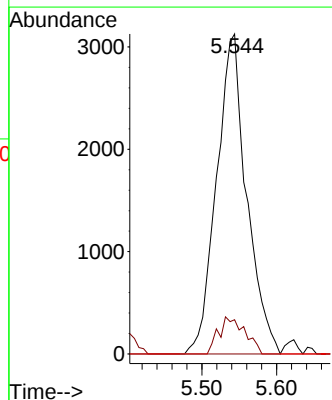
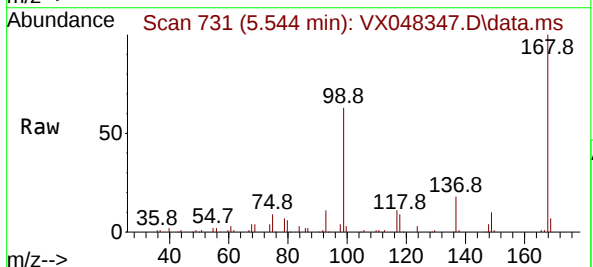
Instrument :
MSVOA_X
ClientSampleId :
MH-18

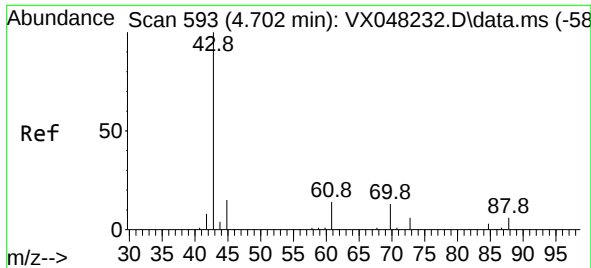
Tgt Ion:113 Resp: 55121
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.4
192 18.4 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.386 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 75 Resp: 8754
Ion Ratio Lower Upper
75 100
110 10.1 17.7 53.1#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 1.043 ug/l

RT: 4.702 min Scan# 593

Delta R.T. 0.006 min

Lab File: VX048347.D

Acq: 24 Oct 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

MH-18

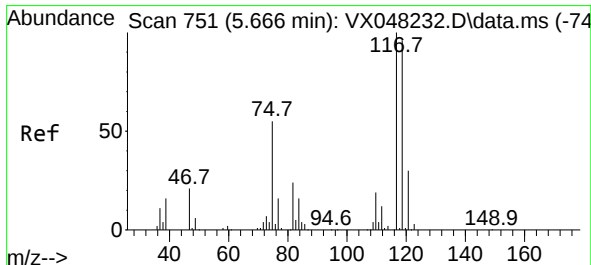
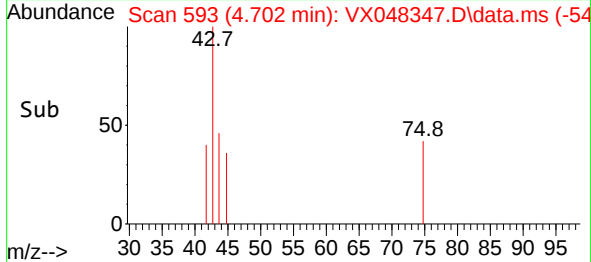
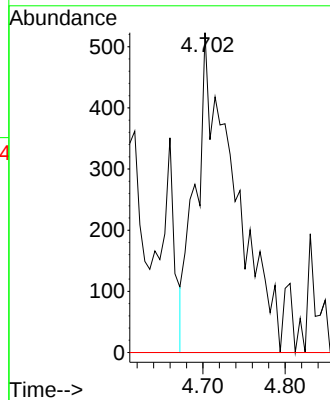
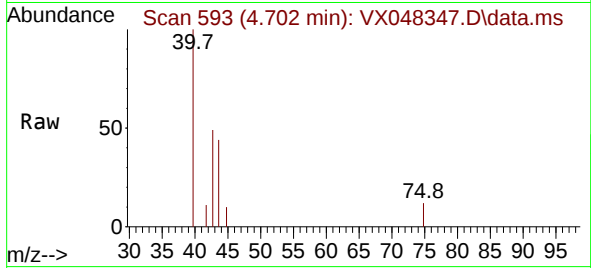
Tgt Ion: 43 Resp: 1726

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

70 0.0 7.8 11.6#



#38

Carbon Tetrachloride

Concen: 4.741 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.122 min

Lab File: VX048347.D

Acq: 24 Oct 2025 12:26

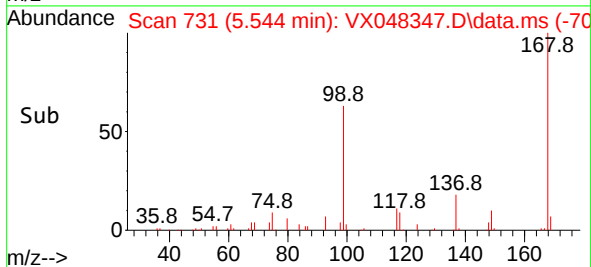
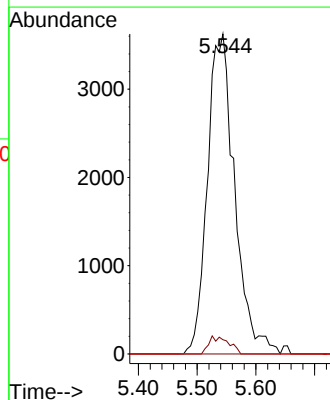
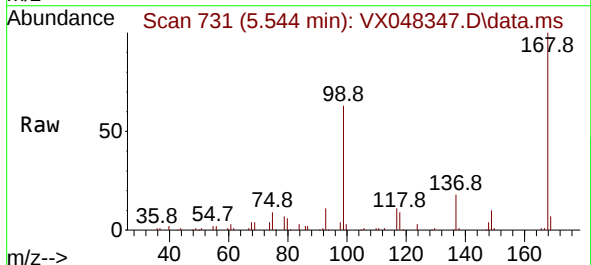
Tgt Ion: 117 Resp: 11674

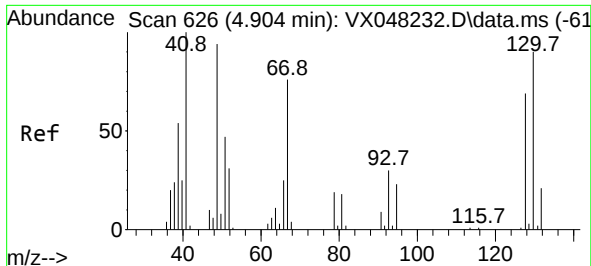
Ion Ratio Lower Upper

117 100

119 4.4 77.2 115.8#

121 0.0 24.8 37.2#

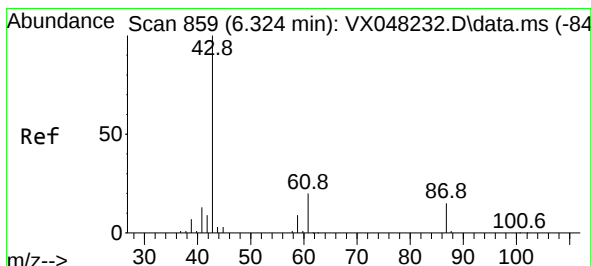
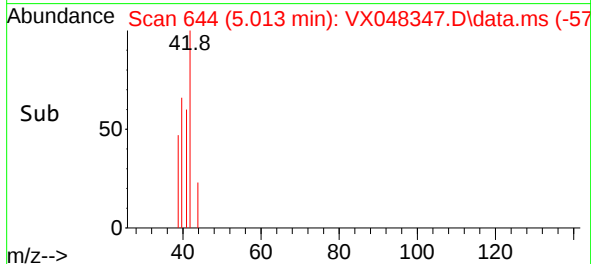
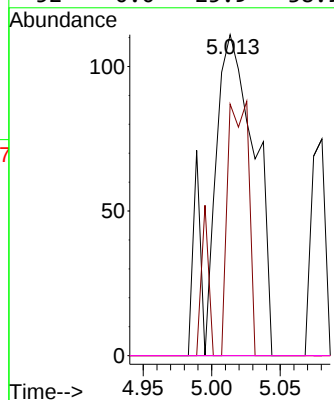
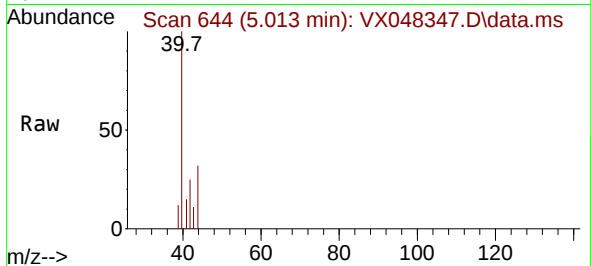




#41
Methacrylonitrile
Concen: 0.276 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.110 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

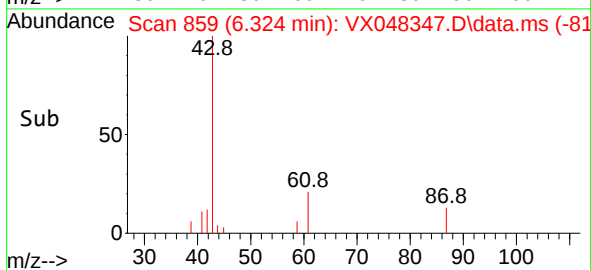
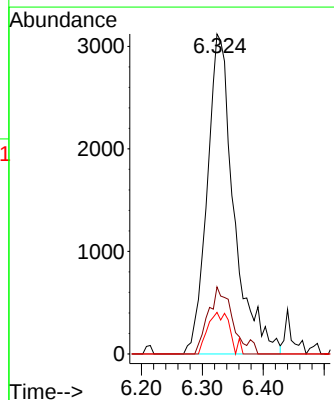
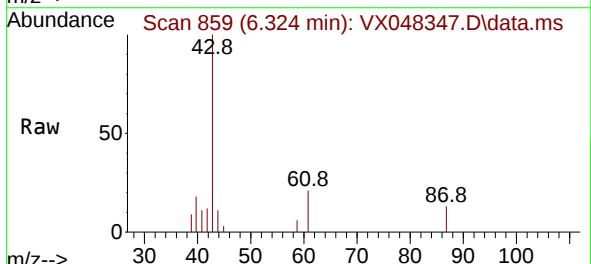
Instrument :
MSVOA_X
ClientSampleId :
MH-18

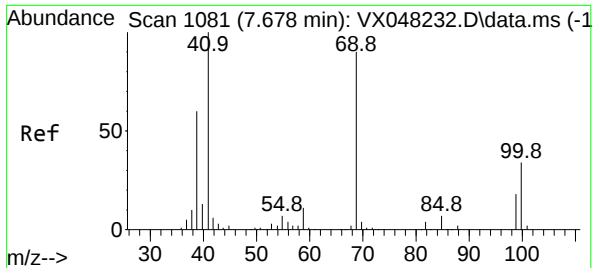
Tgt Ion:	41	Resp:	240
Ion	Ratio	Lower	Upper
41	100		
39	38.8	44.0	66.0#
67	0.0	58.7	88.1#
52	0.0	25.9	38.9#



#43
Isopropyl Acetate
Concen: 3.495 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion:	43	Resp:	9497
Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.9	22.3
87	10.7	9.4	14.2

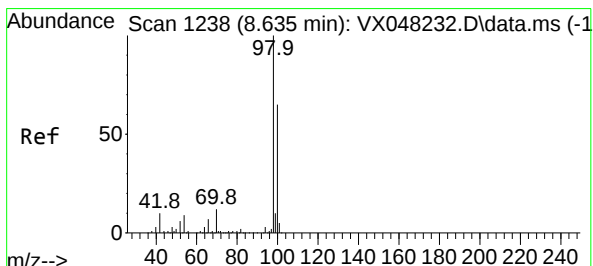
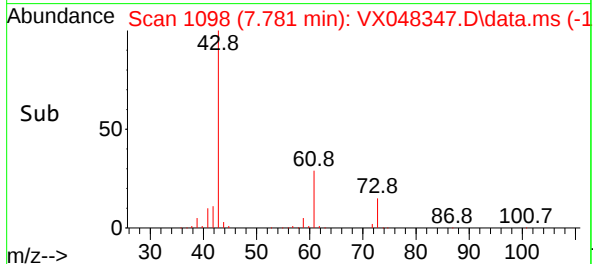
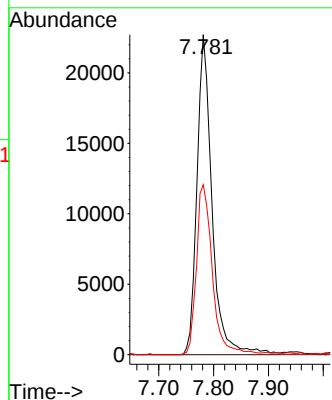
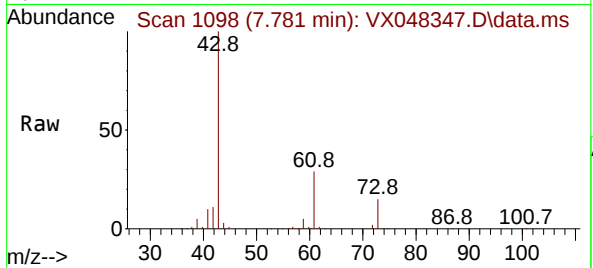




#48
Methyl methacrylate
Concen: 31.748 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

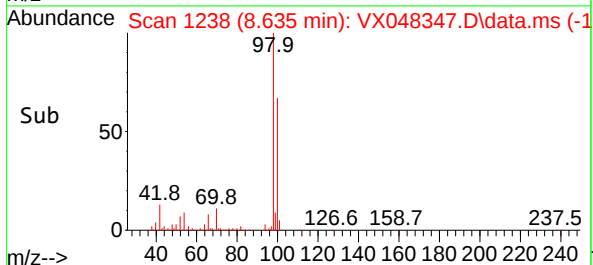
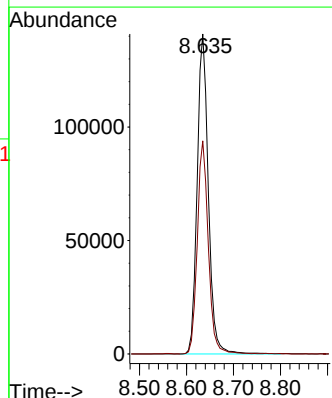
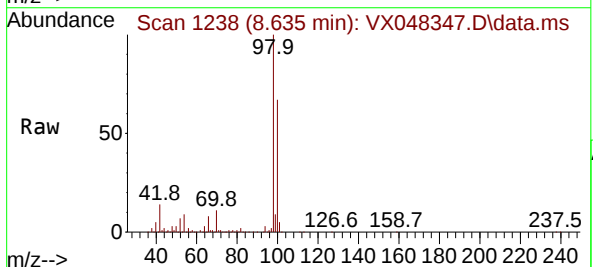
Instrument :
MSVOA_X
ClientSampleId :
MH-18

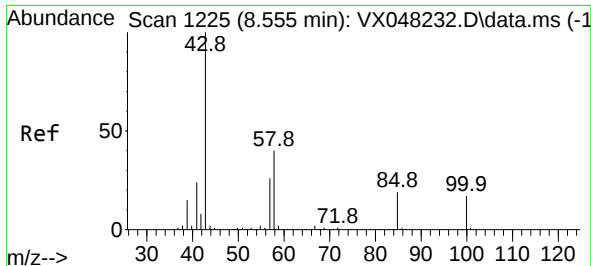
Tgt Ion: 41 Resp: 43530
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 56.2 47.1 70.7



#50
Toluene-d8
Concen: 47.511 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 98 Resp: 233832
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

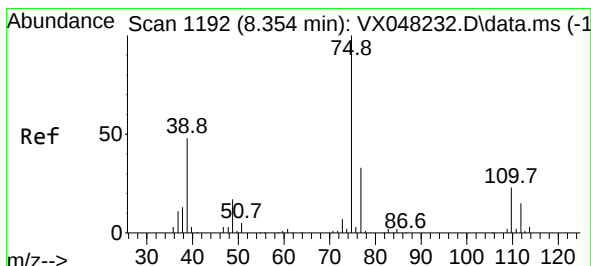
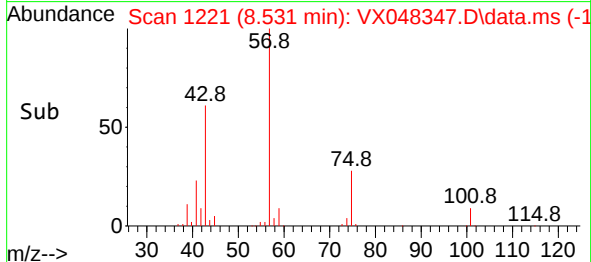
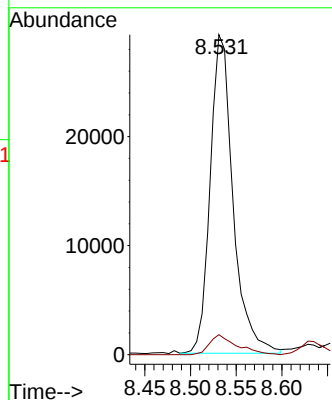
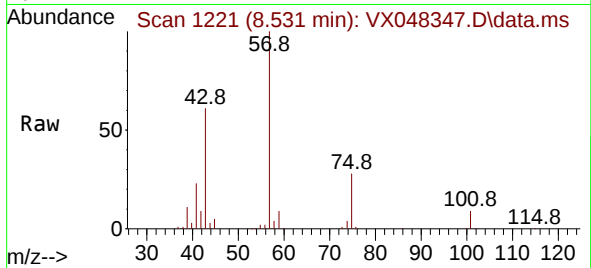




#51
4-Methyl-2-Pentanone
Concen: 32.372 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

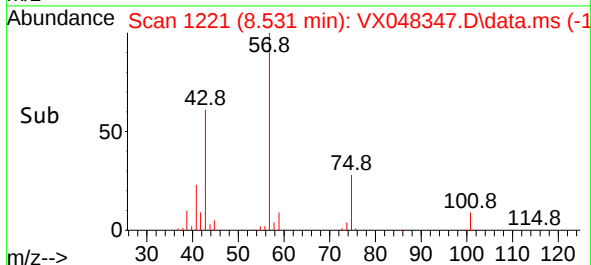
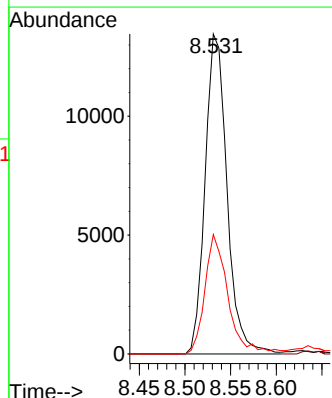
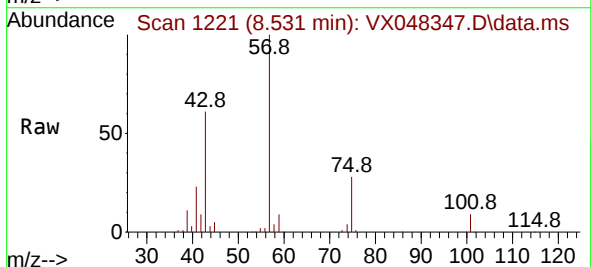
Instrument :
MSVOA_X
ClientSampleId :
MH-18

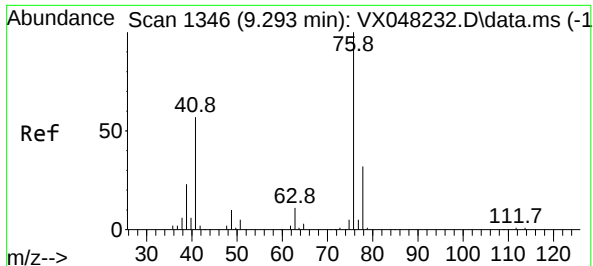
Tgt Ion: 43 Resp: 50716
Ion Ratio Lower Upper
43 100
58 7.5 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 9.296 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 75 Resp: 22397
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 36.2 42.6 64.0#





#57

1,3-Dichloropropane

Concen: 0.782 ug/l

RT: 9.464 min Scan# 1374

Delta R.T. 0.171 min

Lab File: VX048347.D

Acq: 24 Oct 2025 12:26

Instrument :

MSVOA_X

ClientSampleId :

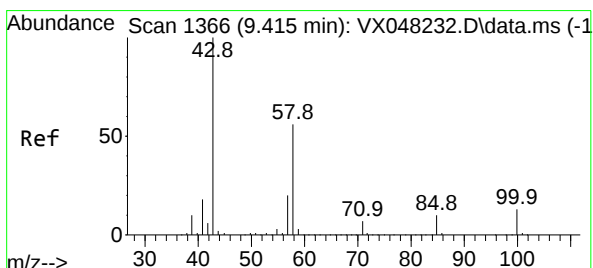
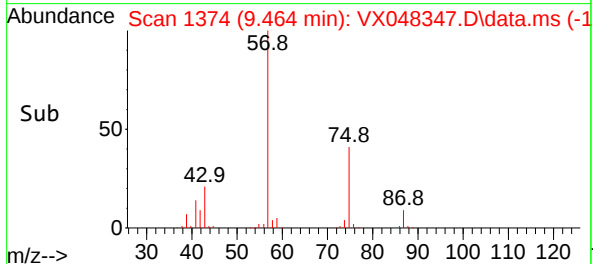
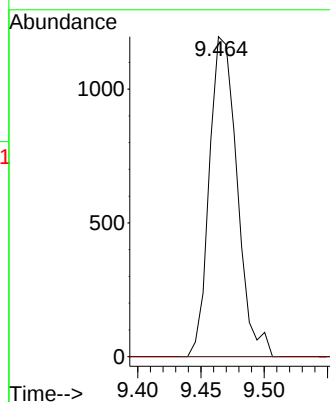
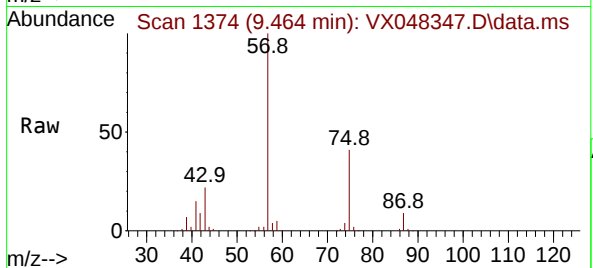
MH-18

Tgt Ion: 76 Resp: 1828

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.0#



#59

2-Hexanone

Concen: 22.858 ug/l

RT: 9.464 min Scan# 1374

Delta R.T. 0.049 min

Lab File: VX048347.D

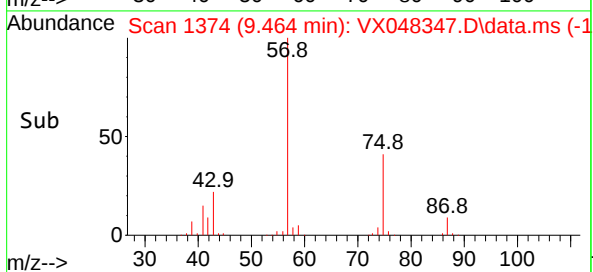
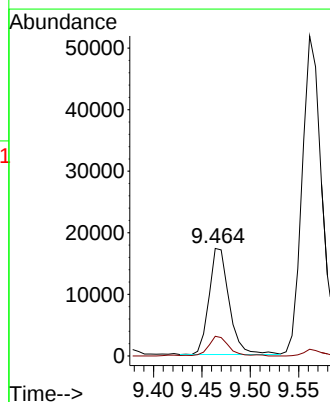
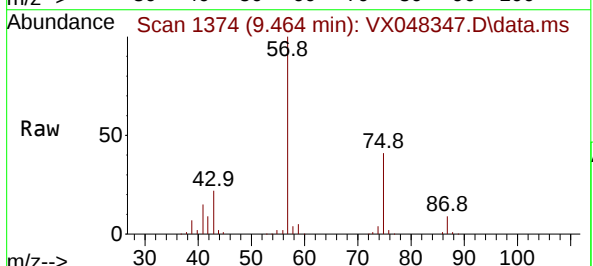
Acq: 24 Oct 2025 12:26

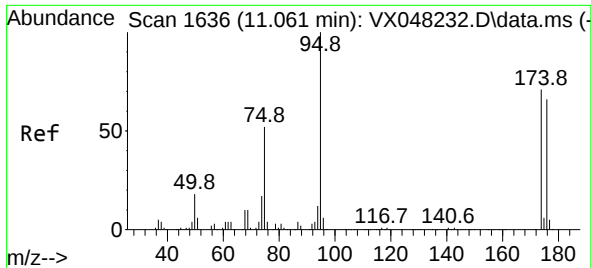
Tgt Ion: 43 Resp: 24970

Ion Ratio Lower Upper

43 100

58 18.6 26.3 78.8#

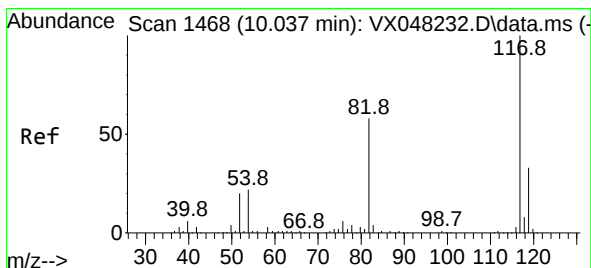
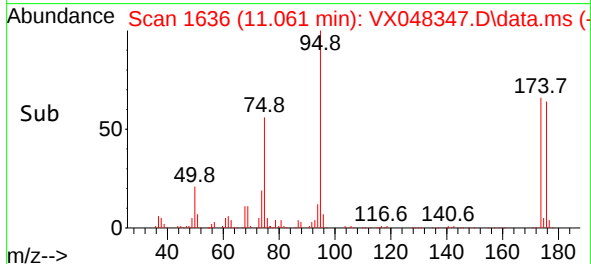
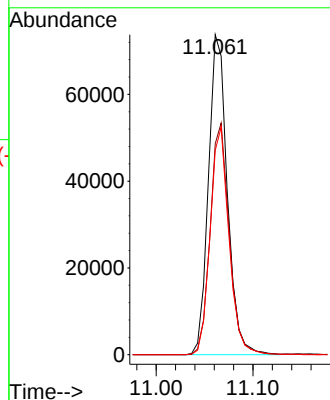
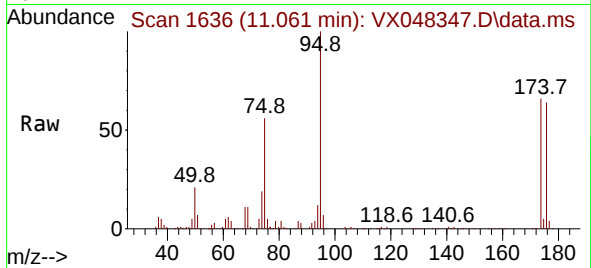




#62
4-Bromofluorobenzene
Concen: 53.538 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

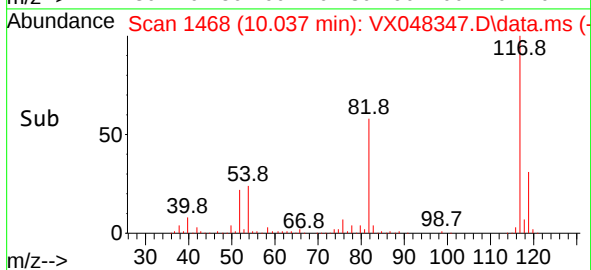
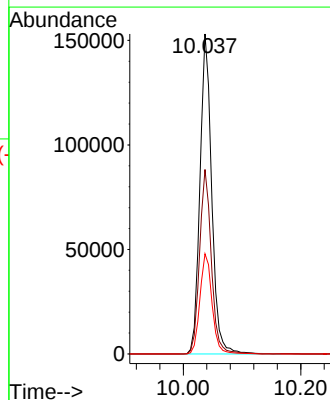
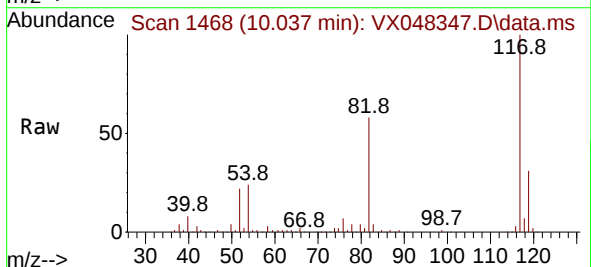
Instrument :
MSVOA_X
ClientSampleId :
MH-18

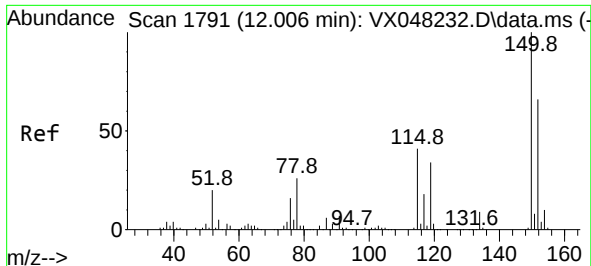
Tgt Ion: 95 Resp: 100241
Ion Ratio Lower Upper
95 100
174 73.1 0.0 147.8
176 70.6 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 117 Resp: 212806
Ion Ratio Lower Upper
117 100
82 57.6 46.5 69.7
119 31.3 25.9 38.9

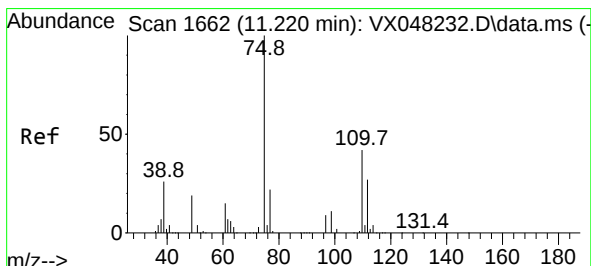
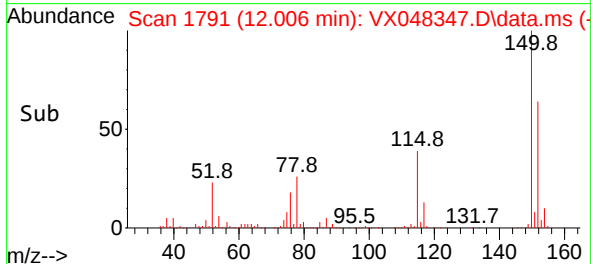
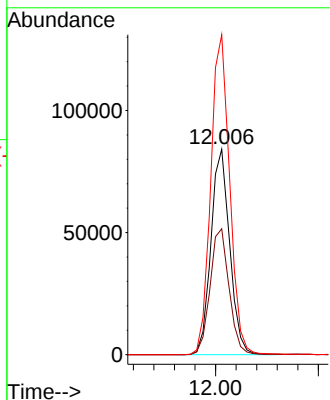
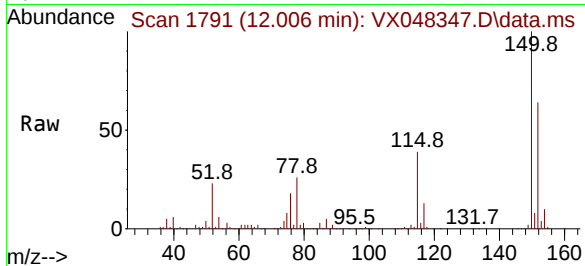




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048347.D
 Acq: 24 Oct 2025 12:26

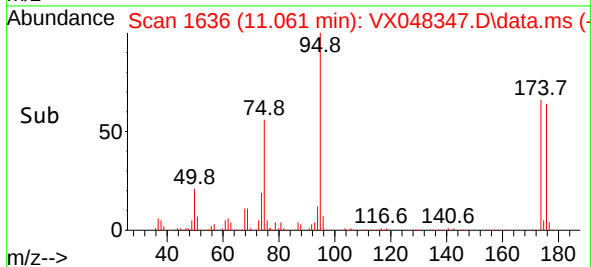
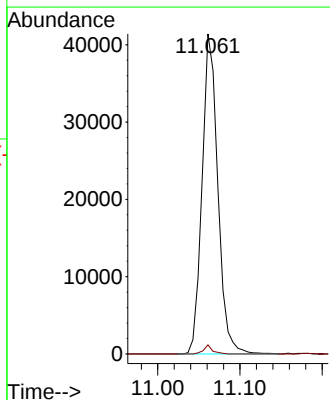
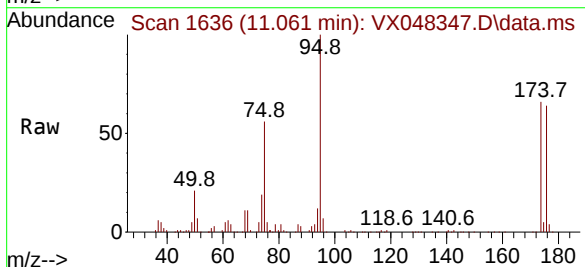
Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18

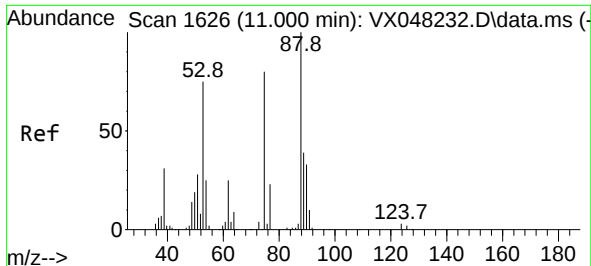
Tgt Ion:152 Resp: 106315
 Ion Ratio Lower Upper
 152 100
 115 62.4 43.1 129.4
 150 157.4 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 31.960 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX048347.D
 Acq: 24 Oct 2025 12:26

Tgt Ion: 75 Resp: 55102
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.4 67.2#

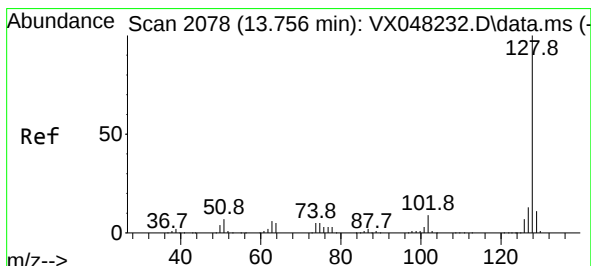
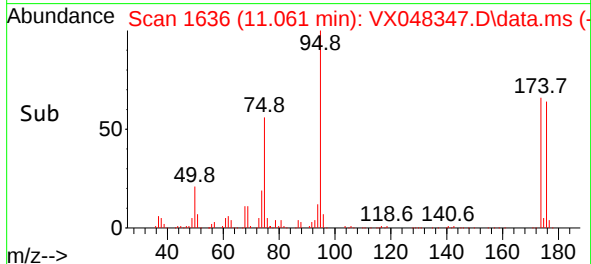
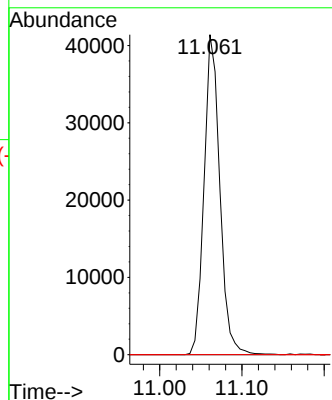
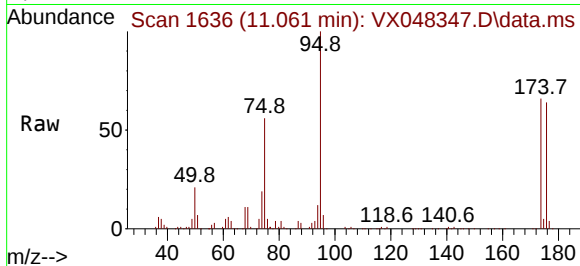




#81
trans-1,4-Dichloro-2-butene
Concen: 77.757 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Instrument :
MSVOA_X
ClientSampleId :
MH-18

Tgt Ion: 75 Resp: 55102
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 0.374 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. 0.000 min
Lab File: VX048347.D
Acq: 24 Oct 2025 12:26

Tgt Ion: 128 Resp: 2311
Ion Ratio Lower Upper
128 100
127 16.9 10.2 15.4#
129 10.8 8.6 12.8

