

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048293.D
 Acq On : 22 Oct 2025 13:25
 Operator : JC/MD
 Sample : Q3403-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-18

Quant Time: Oct 24 05:53:59 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

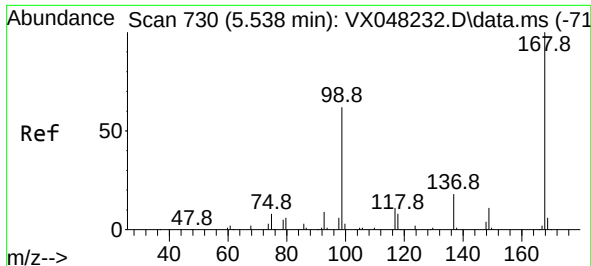
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	130801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	256114	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	225488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	97488	53.158	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.320%
35) Dibromofluoromethane	5.373	113	81404	46.557	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.120%
50) Toluene-d8	8.635	98	217681	35.519	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	71.040%#
62) 4-Bromofluorobenzene	11.061	95	110780	47.515	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.020%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	2537	1.430	ug/l #	93
11) Tert butyl alcohol	2.941	59	429	2.356	ug/l	98
13) Acrolein	2.240	56	517	2.784	ug/l #	53
16) Acetone	2.380	43	41641	66.187	ug/l	97
18) Methyl Acetate	2.502	43	34560	26.303	ug/l #	54
20) Methylene Chloride	2.788	84	2213	1.444	ug/l #	86
25) 2-Butanone	4.556	43	2912	3.657	ug/l #	89
29) Tetrahydrofuran	5.007	42	505	1.059	ug/l #	43
31) Cyclohexane	5.544	56	2607	1.145	ug/l #	19
36) 1,1-Dichloropropene	5.532	75	10576	4.256	ug/l #	48
38) Carbon Tetrachloride	5.544	117	13803	4.502	ug/l #	15
43) Isopropyl Acetate	6.330	43	9321	2.755	ug/l	94
48) Methyl methacrylate	7.781	41	33538	19.643	ug/l #	44
51) 4-Methyl-2-Pentanone	8.531	43	36278	18.596	ug/l #	52
54) cis-1,3-Dichloropropene	8.531	75	18045	6.015	ug/l #	55
57) 1,3-Dichloropropane	9.464	76	1524	0.523	ug/l #	43
59) 2-Hexanone	9.360	43	5088	3.740	ug/l #	26
74) N-amyl acetate	10.878	43	660	0.202	ug/l #	44
76) 1,2,3-Trichloropropane	11.061	75	55070	26.992	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	55070	65.669	ug/l #	10

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

Quant Time: Oct 24 05:53:59 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

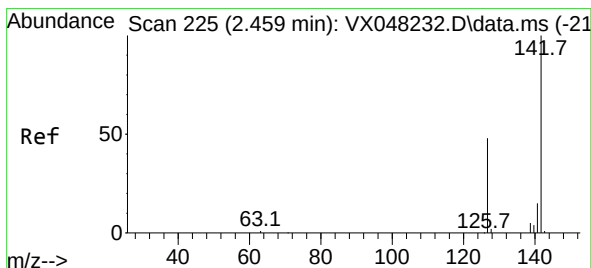
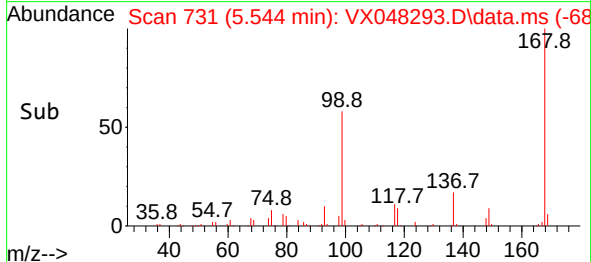
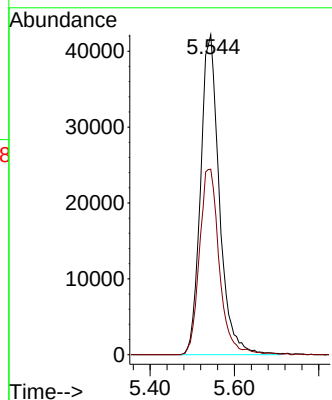
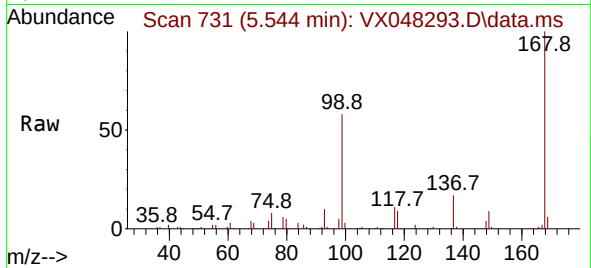




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

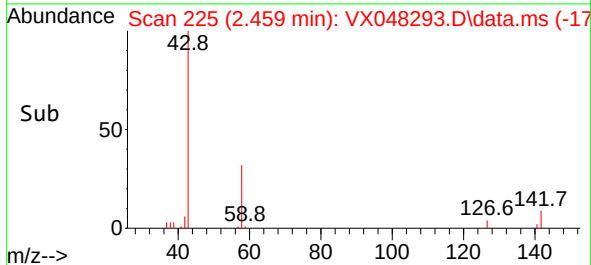
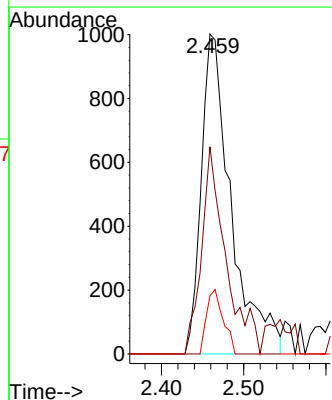
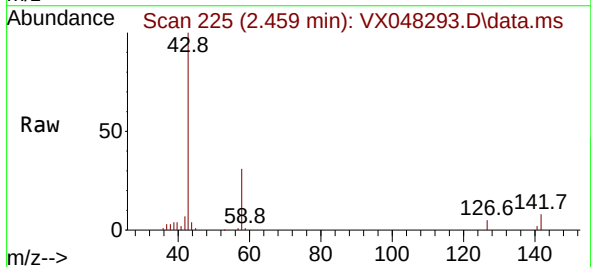
Instrument :
MSVOA_X
ClientSampleId :
MH-18

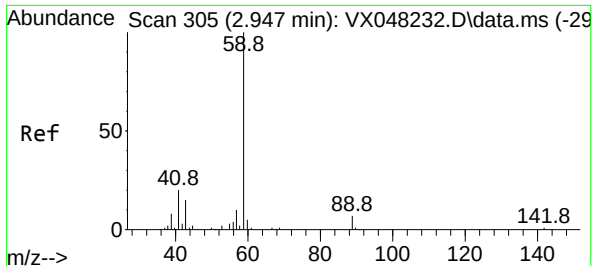
Tgt Ion:168 Resp: 130801
Ion Ratio Lower Upper
168 100
99 58.0 46.4 69.6



#10
Methyl Iodide
Concen: 1.430 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion:142 Resp: 2537
Ion Ratio Lower Upper
142 100
127 52.5 38.5 57.7
141 11.2 11.6 17.4#

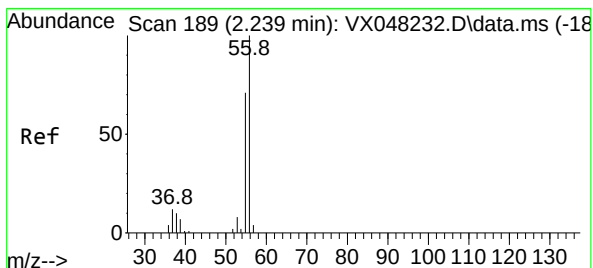
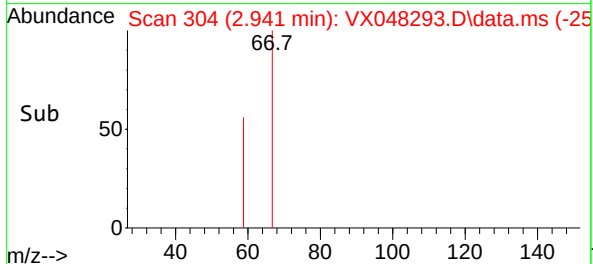
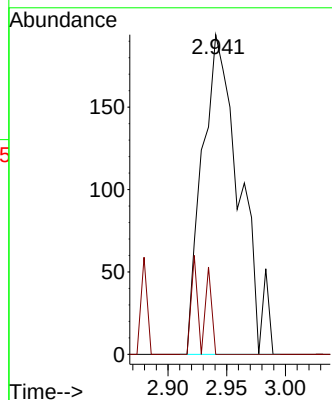
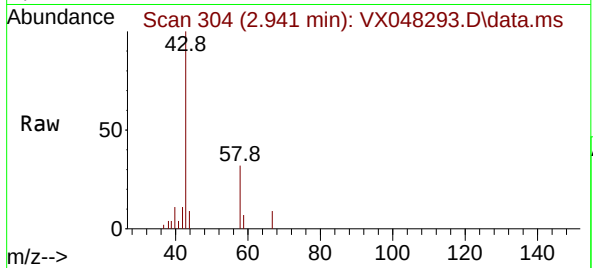




#11
Tert butyl alcohol
Concen: 2.356 ug/l
RT: 2.941 min Scan# 305
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

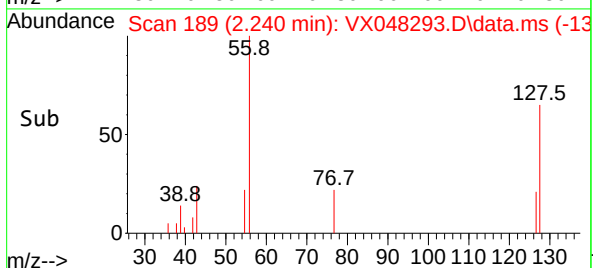
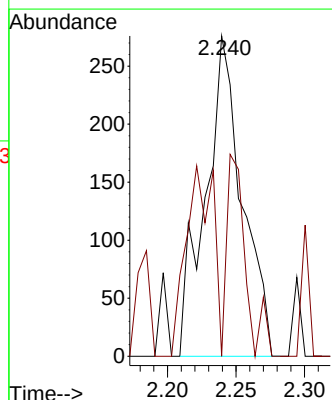
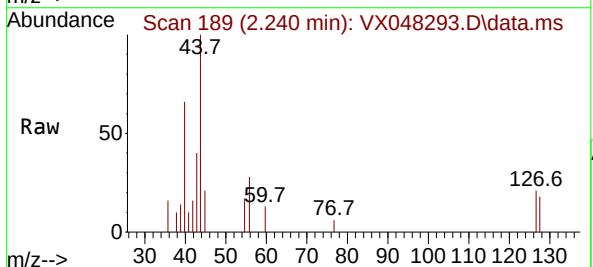
Instrument :
MSVOA_X
ClientSampleId :
MH-18

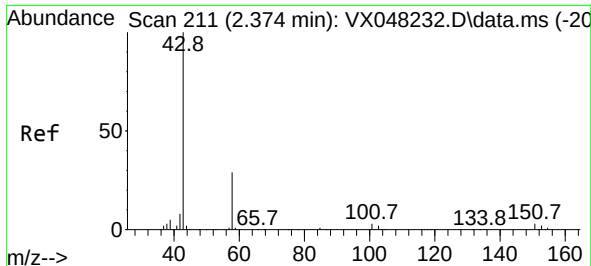
Tgt Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 9.6 8.2 12.4



#13
Acrolein
Concen: 2.784 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 56 Resp: 517
Ion Ratio Lower Upper
56 100
55 31.7 56.1 84.1#

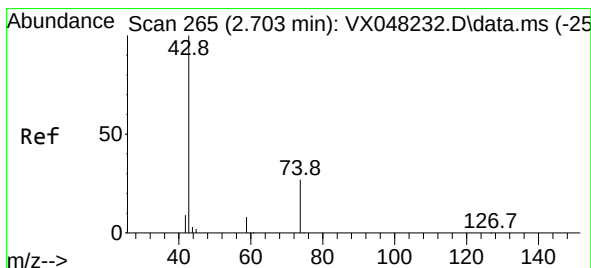
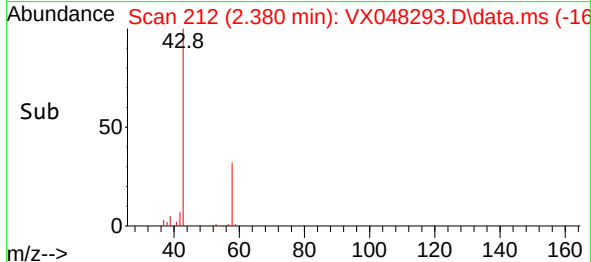
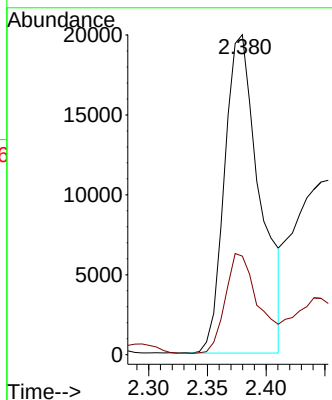
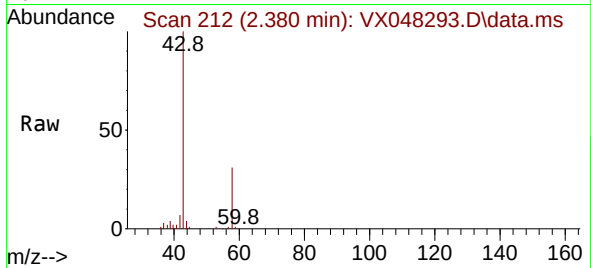




#16
Acetone
Concen: 66.187 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

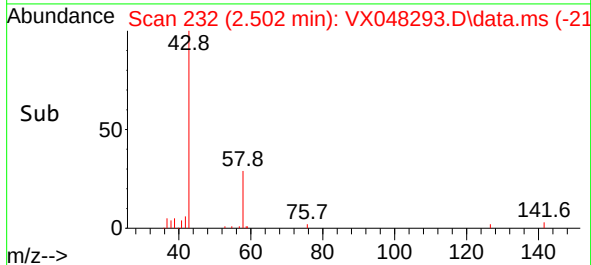
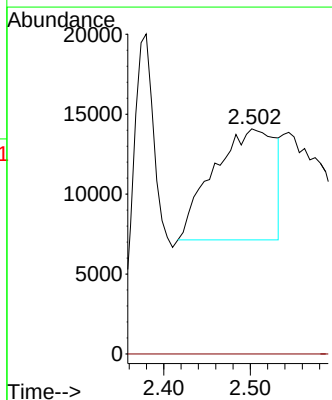
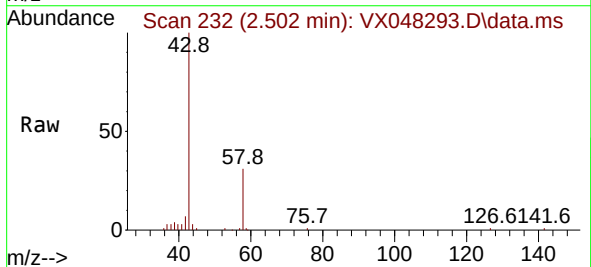
Instrument :
MSVOA_X
ClientSampleId :
MH-18

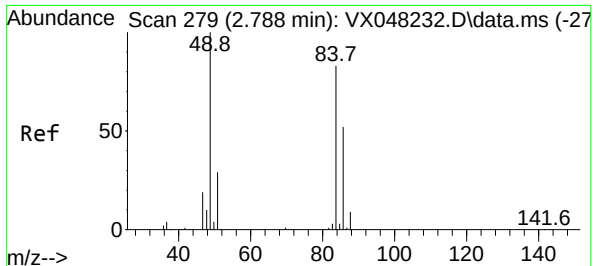
Tgt Ion: 43 Resp: 41641
Ion Ratio Lower Upper
43 100
58 30.9 23.4 35.2



#18
Methyl Acetate
Concen: 26.303 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.195 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 43 Resp: 34560
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

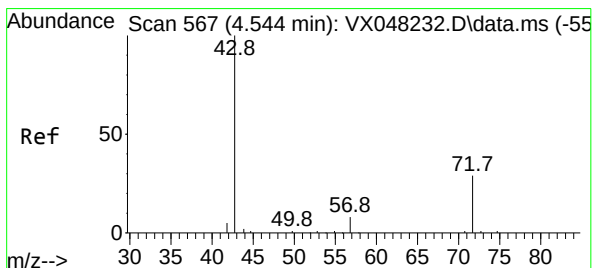
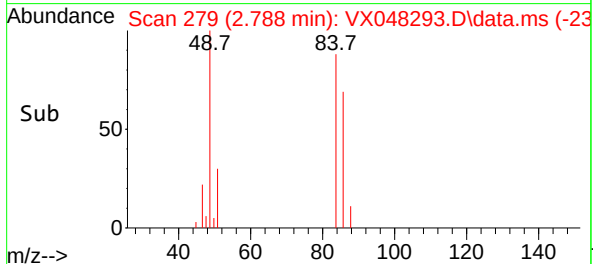
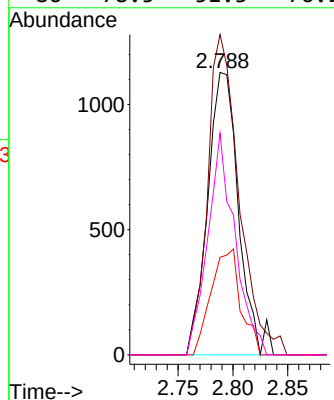
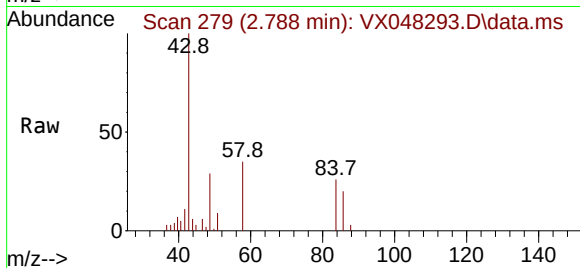




#20
Methylene Chloride
Concen: 1.444 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

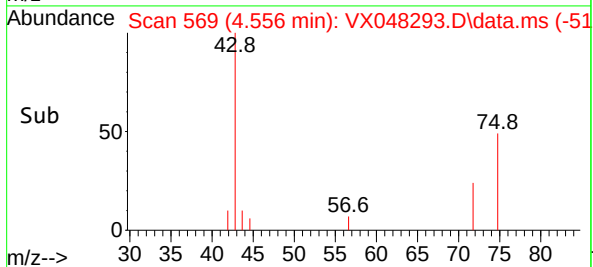
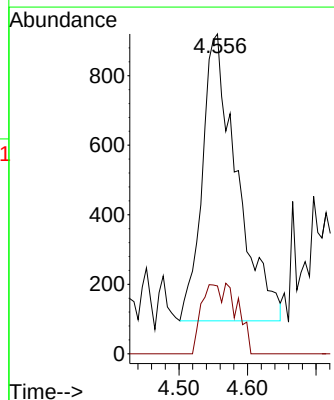
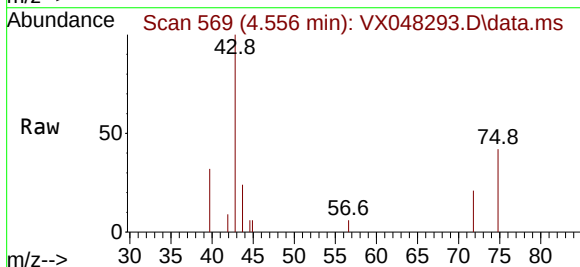
Instrument :
MSVOA_X
ClientSampleId :
MH-18

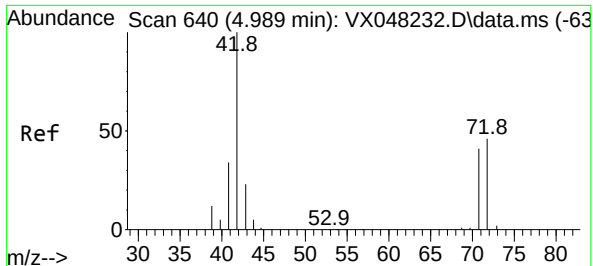
Tgt Ion:	84	Resp:	2213
Ion	Ratio	Lower	Upper
84	100		
49	113.4	104.1	156.1
51	34.6	31.3	46.9
86	78.5	51.3	76.9



#25
2-Butanone
Concen: 3.657 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion:	43	Resp:	2912
Ion	Ratio	Lower	Upper
43	100		
72	19.6	19.9	29.9





#29

Tetrahydrofuran

Concen: 1.059 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX048293.D

Acq: 22 Oct 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

MH-18

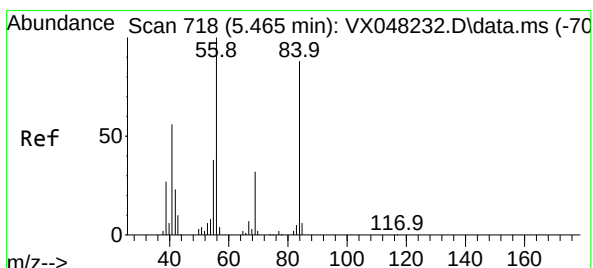
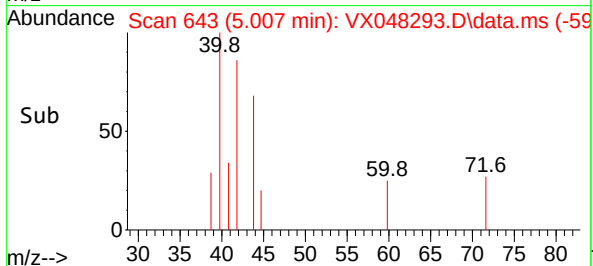
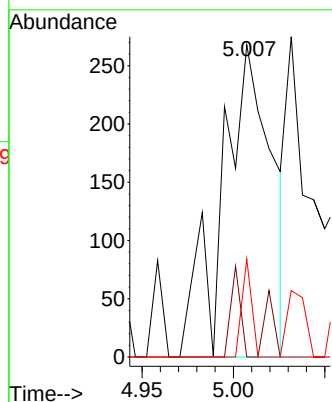
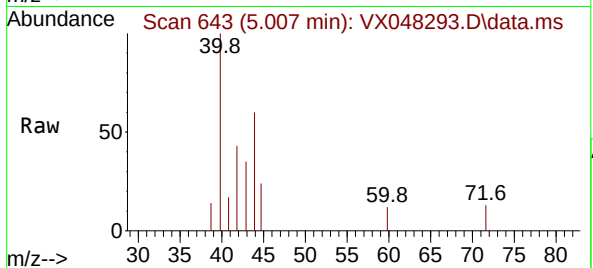
Tgt Ion: 42 Resp: 505

Ion Ratio Lower Upper

42 100

72 5.7 35.3 52.9#

71 6.1 32.2 48.4#



#31

Cyclohexane

Concen: 1.145 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX048293.D

Acq: 22 Oct 2025 13:25

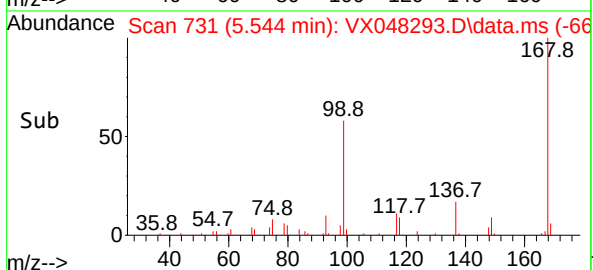
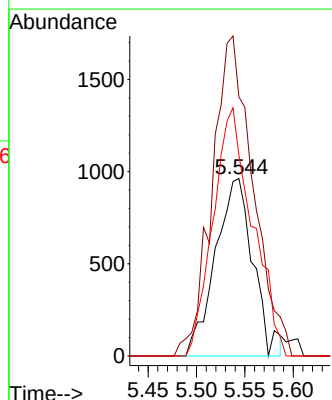
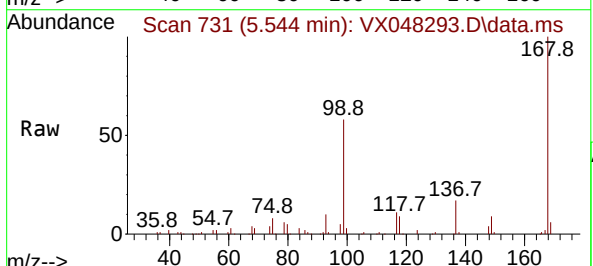
Tgt Ion: 56 Resp: 2607

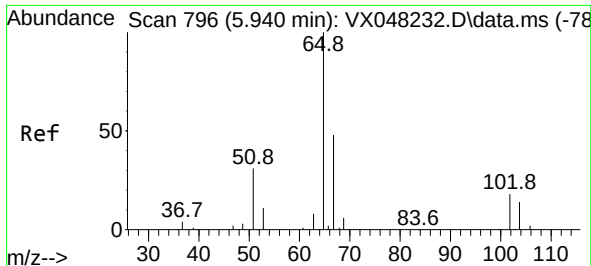
Ion Ratio Lower Upper

56 100

69 138.7 23.0 34.6#

84 113.1 64.6 97.0#

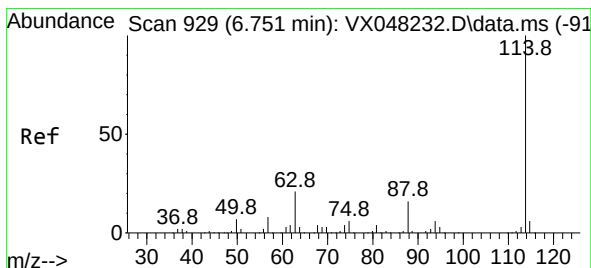
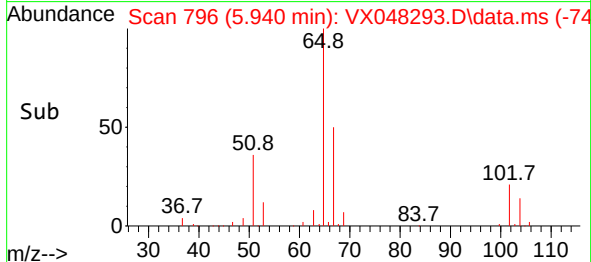
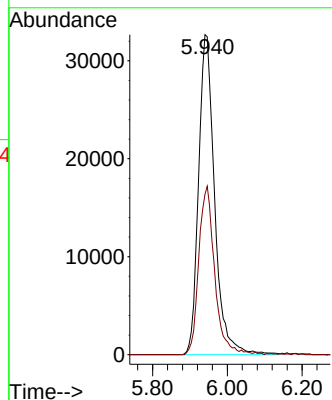
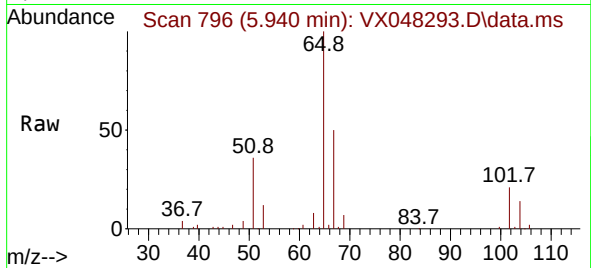




#33
 1,2-Dichloroethane-d4
 Concen: 53.158 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048293.D
 Acq: 22 Oct 2025 13:25

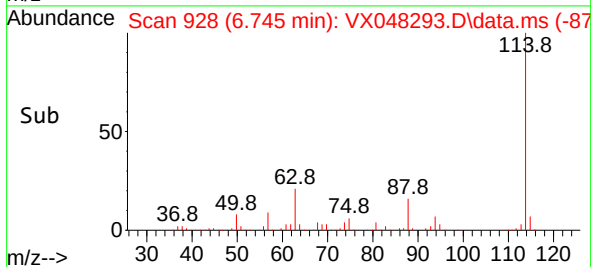
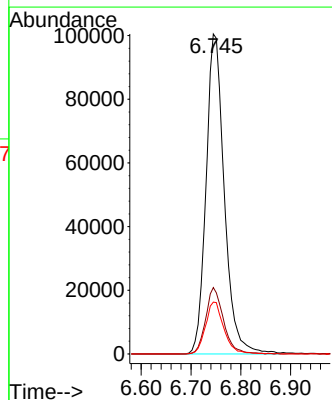
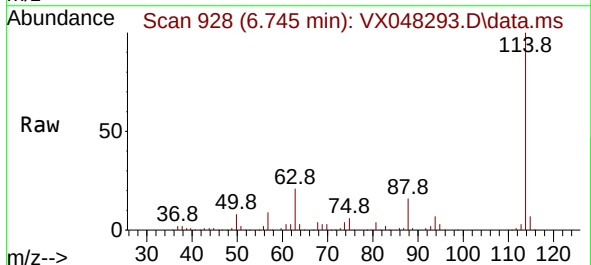
Instrument :
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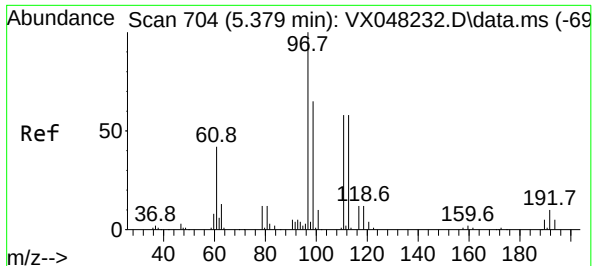
Tgt Ion: 65 Resp: 97488
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048293.D
 Acq: 22 Oct 2025 13:25

Tgt Ion: 114 Resp: 256114
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 16.2 0.0 33.6

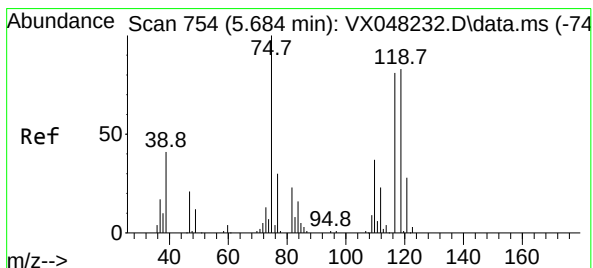
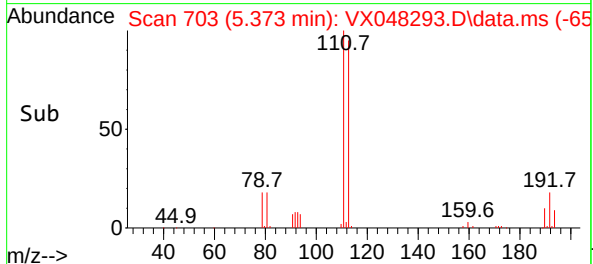
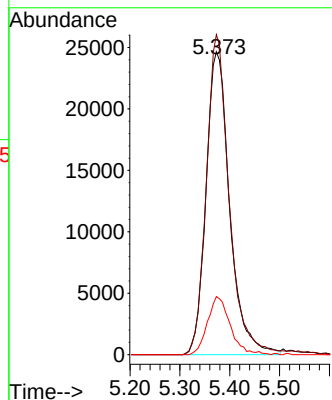
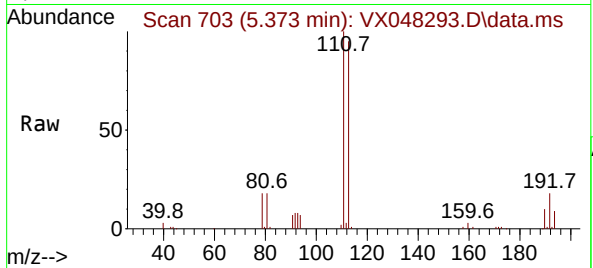




#35
Dibromofluoromethane
Concen: 46.557 ug/l
RT: 5.373 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

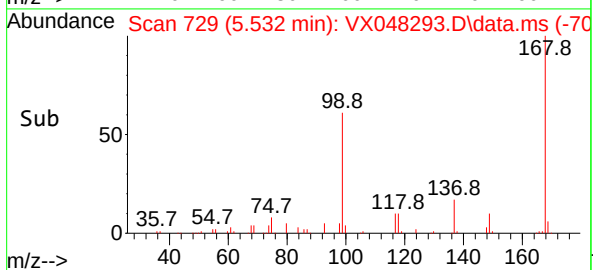
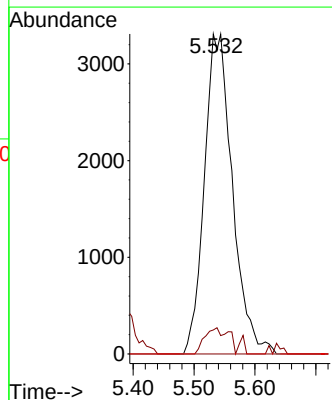
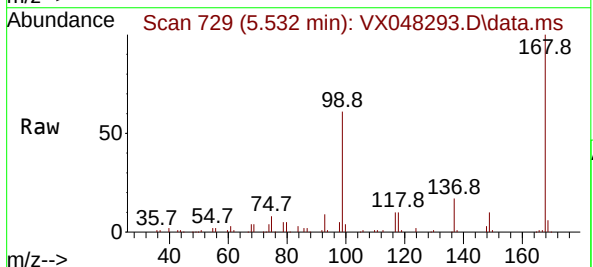
Instrument :
MSVOA_X
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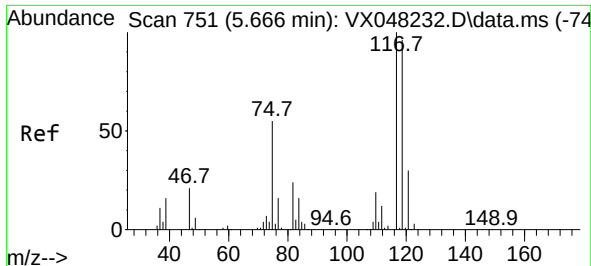
Tgt Ion:113 Resp: 81404
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.4 15.1 22.7



#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 5.532 min Scan# 729
Delta R.T. -0.152 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

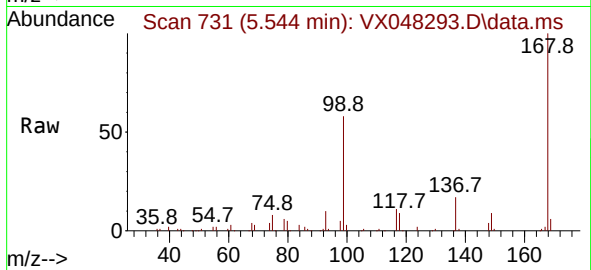
Tgt Ion: 75 Resp: 10576
Ion Ratio Lower Upper
75 100
110 6.9 17.7 53.1#
77 0.0 24.3 36.5#



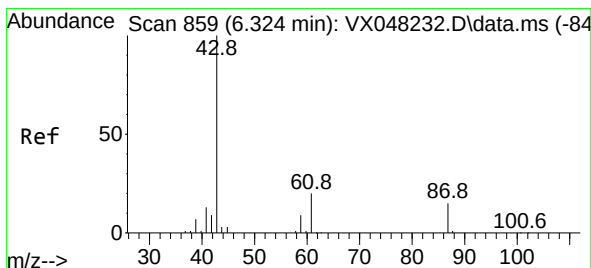
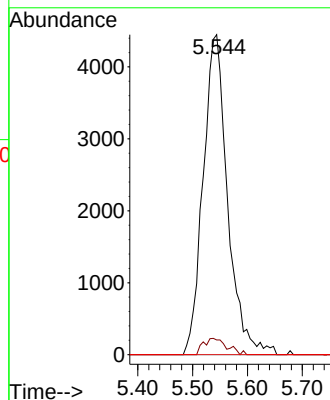
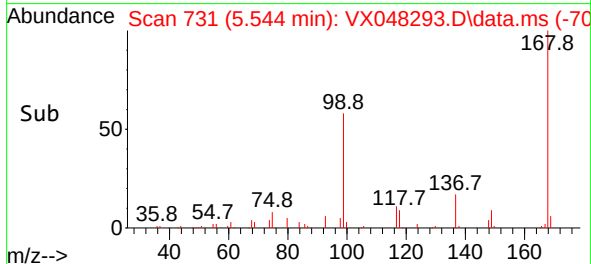


#38
Carbon Tetrachloride
Concen: 4.502 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Instrument :
MSVOA_X
ClientSampleId :
MH-18

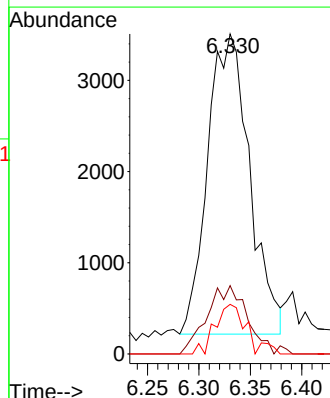
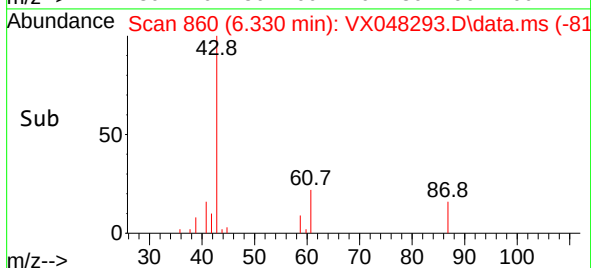
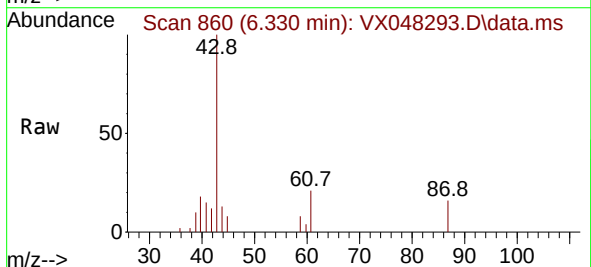


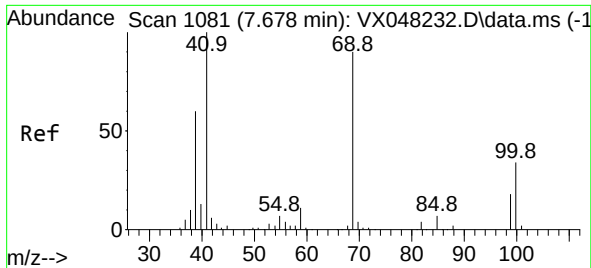
Tgt Ion:117 Resp: 13803
Ion Ratio Lower Upper
117 100
119 4.6 77.2 115.8#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 2.755 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 43 Resp: 9321
Ion Ratio Lower Upper
43 100
61 22.3 14.9 22.3
87 12.3 9.4 14.2

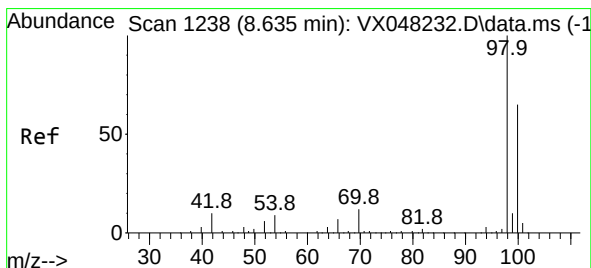
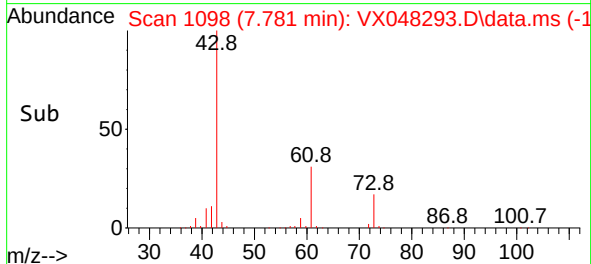
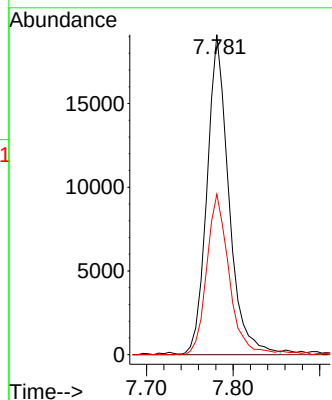
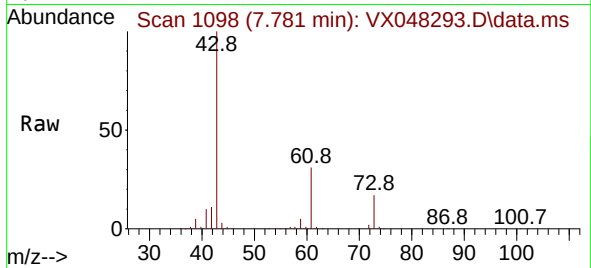




#48
Methyl methacrylate
Concen: 19.643 ug/l
RT: 7.781 min Scan# 1098
Delta R.T. 0.104 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

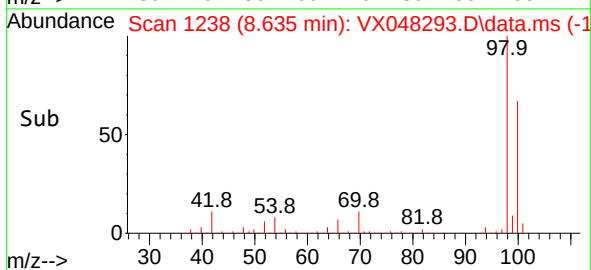
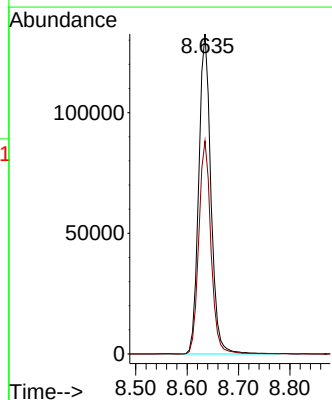
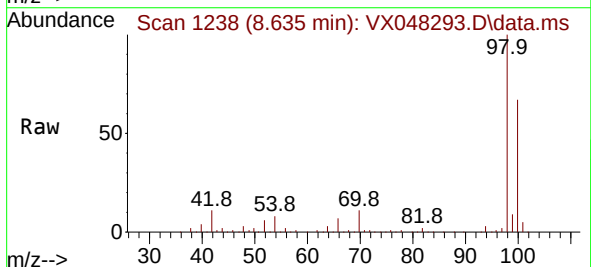
Instrument :
MSVOA_X
ClientSampleId :
MH-18

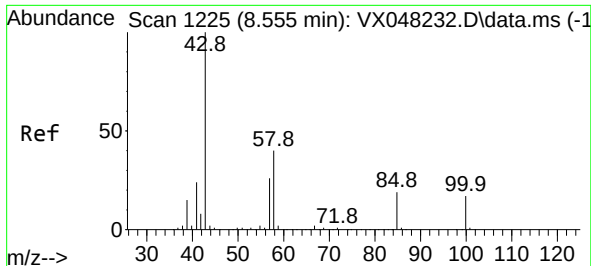
Tgt Ion: 41 Resp: 33538
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 51.1 47.1 70.7



#50
Toluene-d8
Concen: 35.519 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 98 Resp: 217681
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4

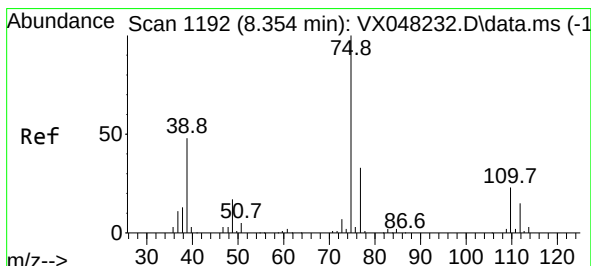
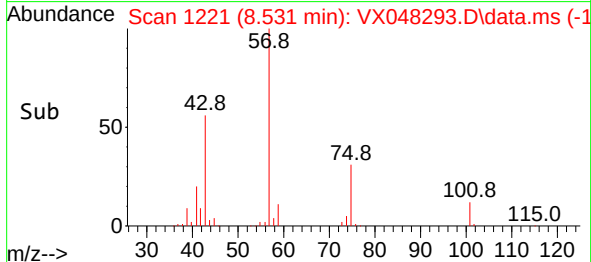
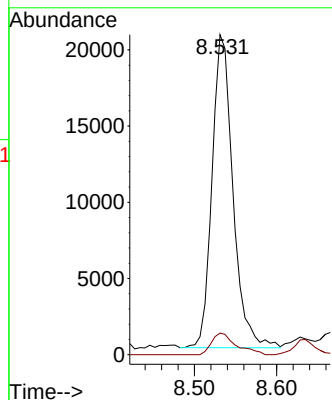
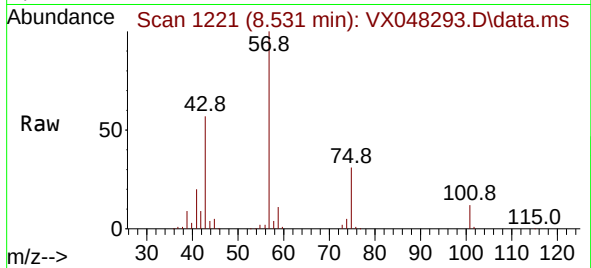




#51
4-Methyl-2-Pentanone
Concen: 18.596 ug/l
RT: 8.531 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

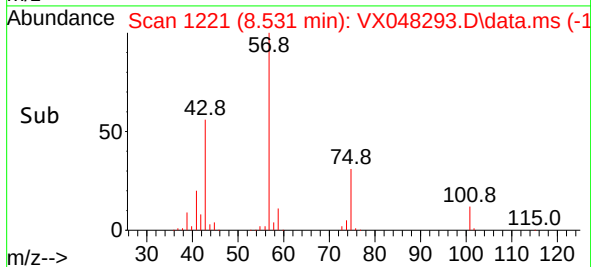
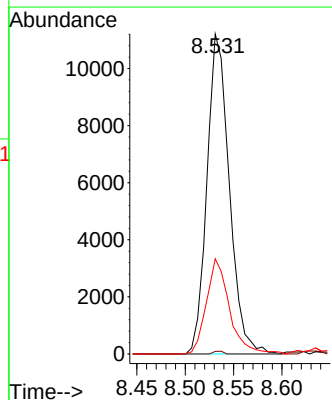
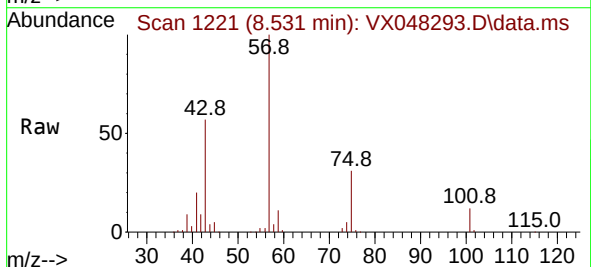
Instrument :
MSVOA_X
ClientSampleId :
MH-18

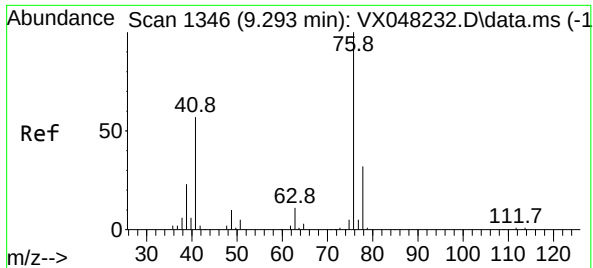
Tgt Ion: 43 Resp: 36278
Ion Ratio Lower Upper
43 100
58 8.1 29.5 44.3#



#54
cis-1,3-Dichloropropene
Concen: 6.015 ug/l
RT: 8.531 min Scan# 1221
Delta R.T. 0.183 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 75 Resp: 18045
Ion Ratio Lower Upper
75 100
77 0.8 24.9 37.3#
39 25.7 42.6 64.0#

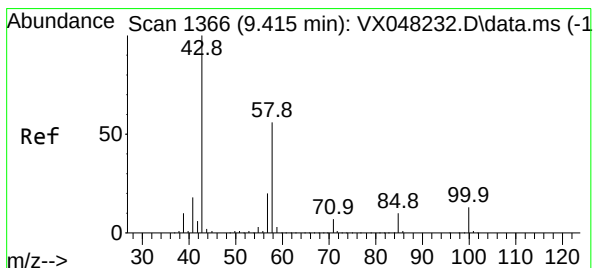
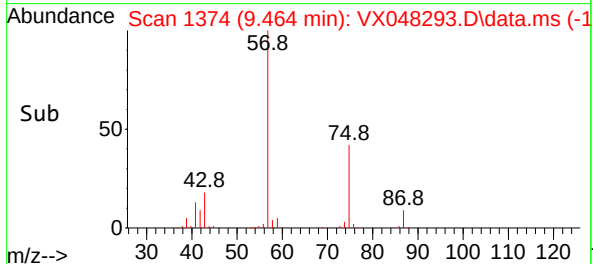
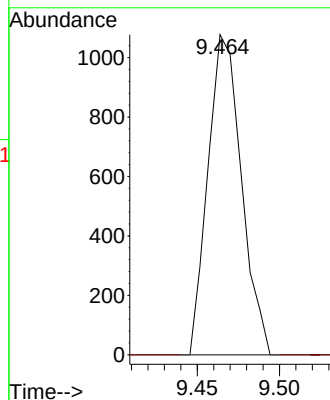
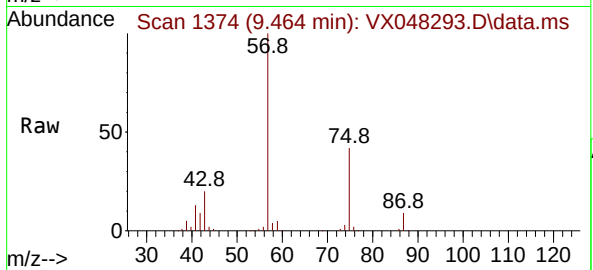




#57
1,3-Dichloropropane
Concen: 0.523 ug/l
RT: 9.464 min Scan# 11
Delta R.T. 0.171 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

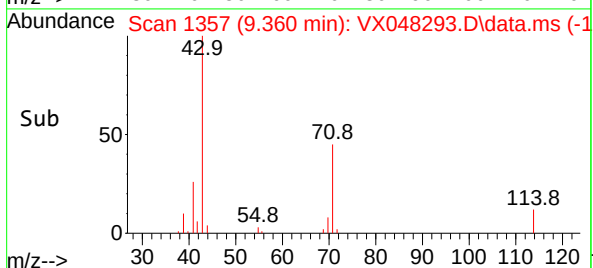
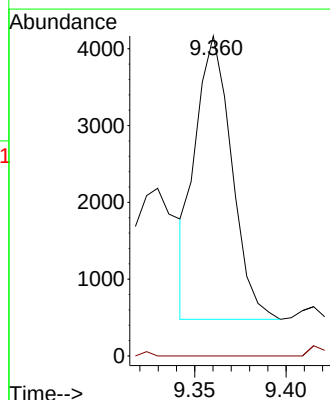
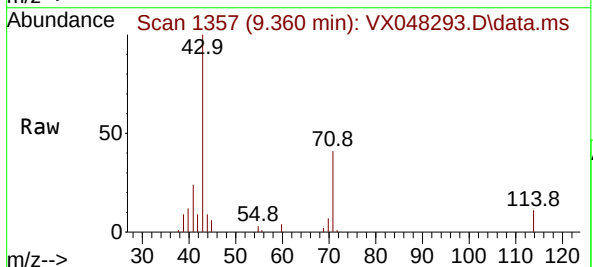
Instrument :
MSVOA_X
ClientSampleId :
MH-18

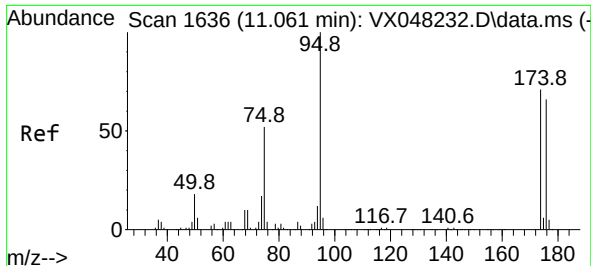
Tgt Ion: 76 Resp: 1524
Ion Ratio Lower Upper
76 100
78 0.0 25.4 38.0#



#59
2-Hexanone
Concen: 3.740 ug/l
RT: 9.360 min Scan# 1357
Delta R.T. -0.055 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 43 Resp: 5088
Ion Ratio Lower Upper
43 100
58 0.0 26.3 78.8#

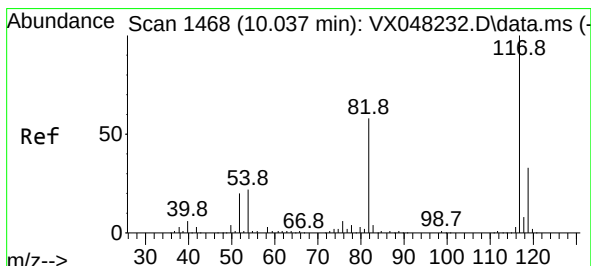
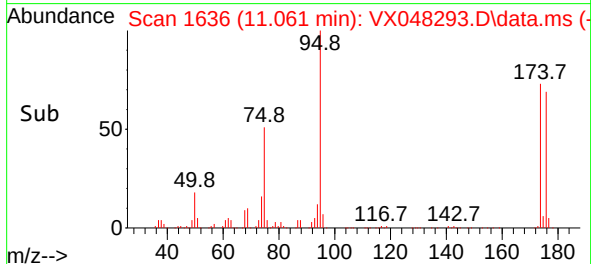
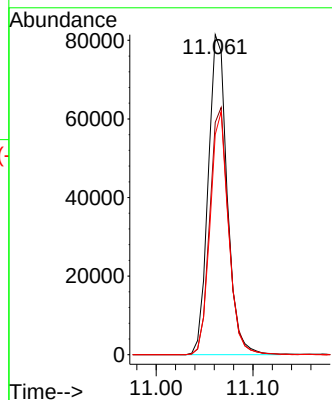
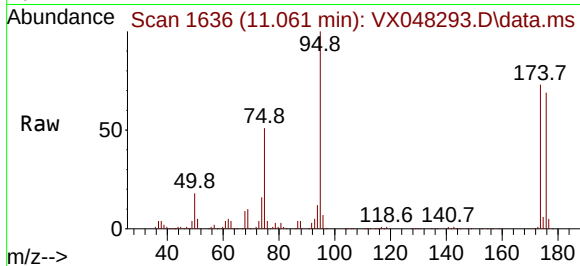




#62
4-Bromofluorobenzene
Concen: 47.515 ug/l
RT: 11.061 min Scan# 110780
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

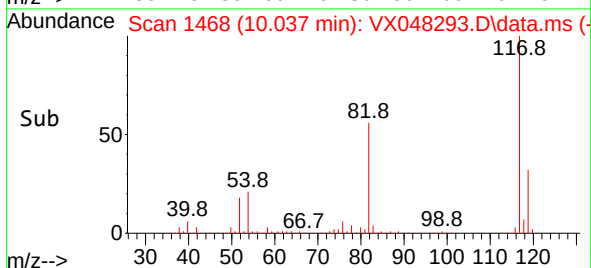
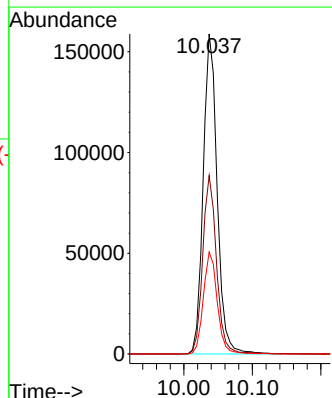
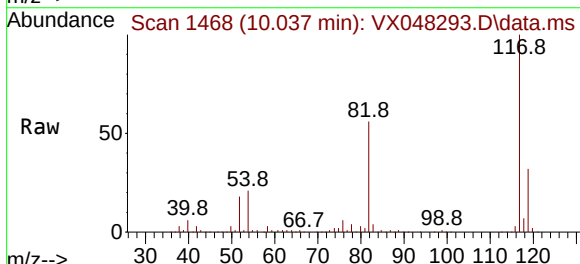
Instrument :
MSVOA_X
ClientSampleId :
MH-18

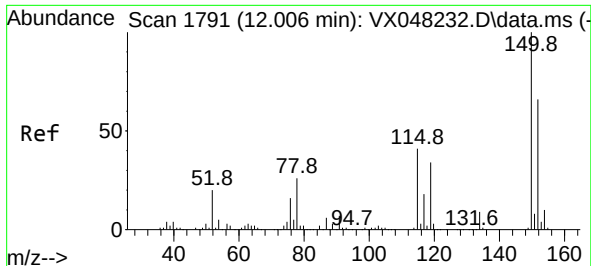
Tgt Ion: 95 Resp: 110780
Ion Ratio Lower Upper
95 100
174 77.3 0.0 147.8
176 74.1 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 117 Resp: 225488
Ion Ratio Lower Upper
117 100
82 55.8 46.5 69.7
119 31.8 25.9 38.9

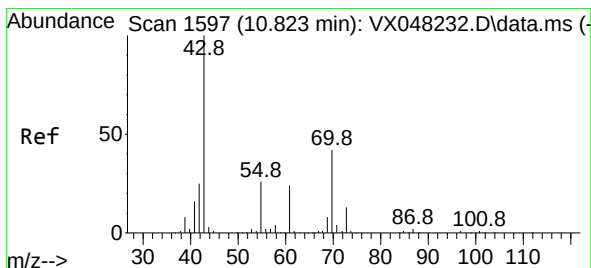
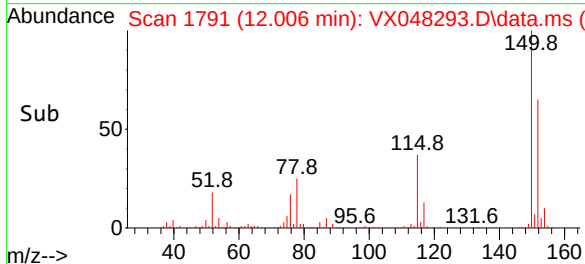
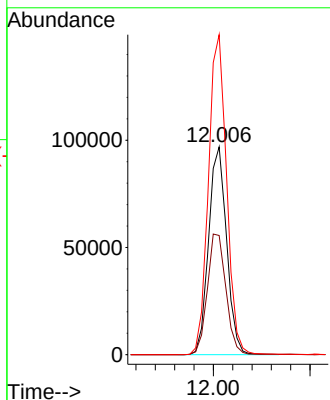
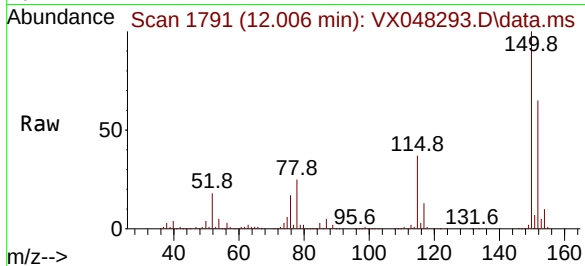




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

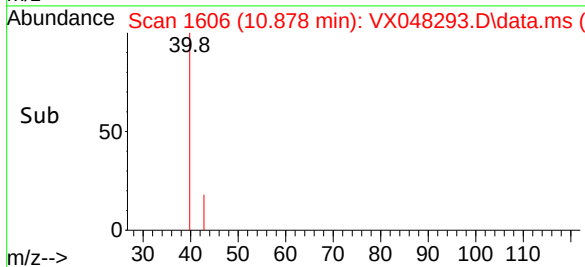
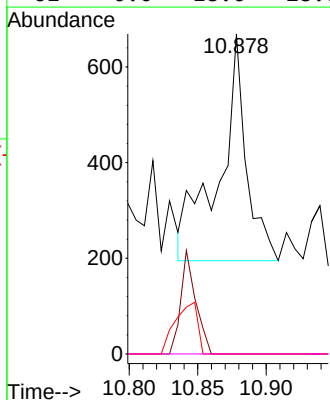
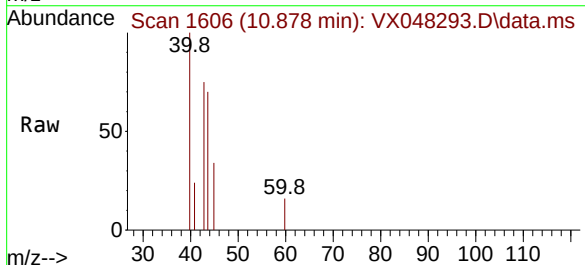
Instrument :
MSVOA_X
ClientSampleId :
MH-18

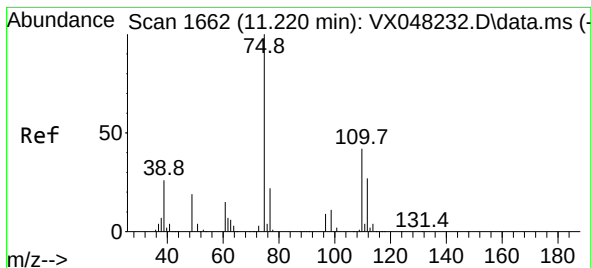
Tgt Ion:152 Resp: 125813
Ion Ratio Lower Upper
152 100
115 60.0 43.1 129.4
150 155.1 0.0 353.0



#74
N-ethyl acetate
Concen: 0.202 ug/l
RT: 10.878 min Scan# 1606
Delta R.T. 0.055 min
Lab File: VX048293.D
Acq: 22 Oct 2025 13:25

Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 0.0 19.1 28.7#
61 0.0 18.6 28.0#





#76

1,2,3-Trichloropropane

Concen: 26.992 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.158 min

Lab File: VX048293.D

Acq: 22 Oct 2025 13:25

Instrument :

MSVOA_X

ClientSampleId :

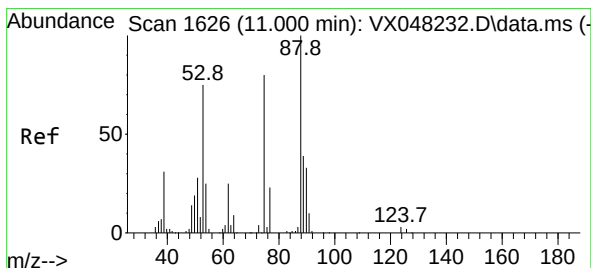
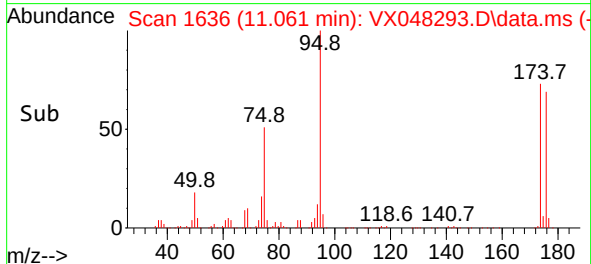
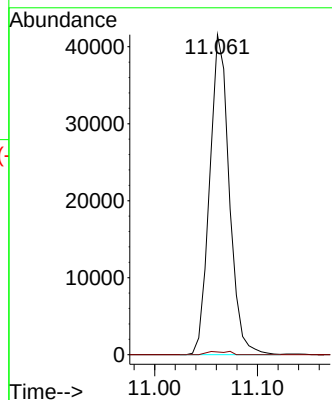
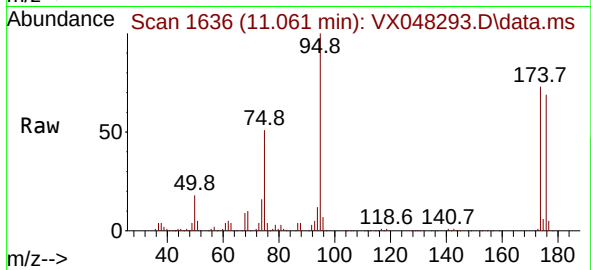
MH-18

Tgt Ion: 75 Resp: 55070

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.669 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048293.D

Acq: 22 Oct 2025 13:25

Tgt Ion: 75 Resp: 55070

Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 36.8 55.2#

