

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048452.D
 Acq On : 03 Nov 2025 13:37
 Operator : JC/MD
 Sample : Q3506-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:12:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

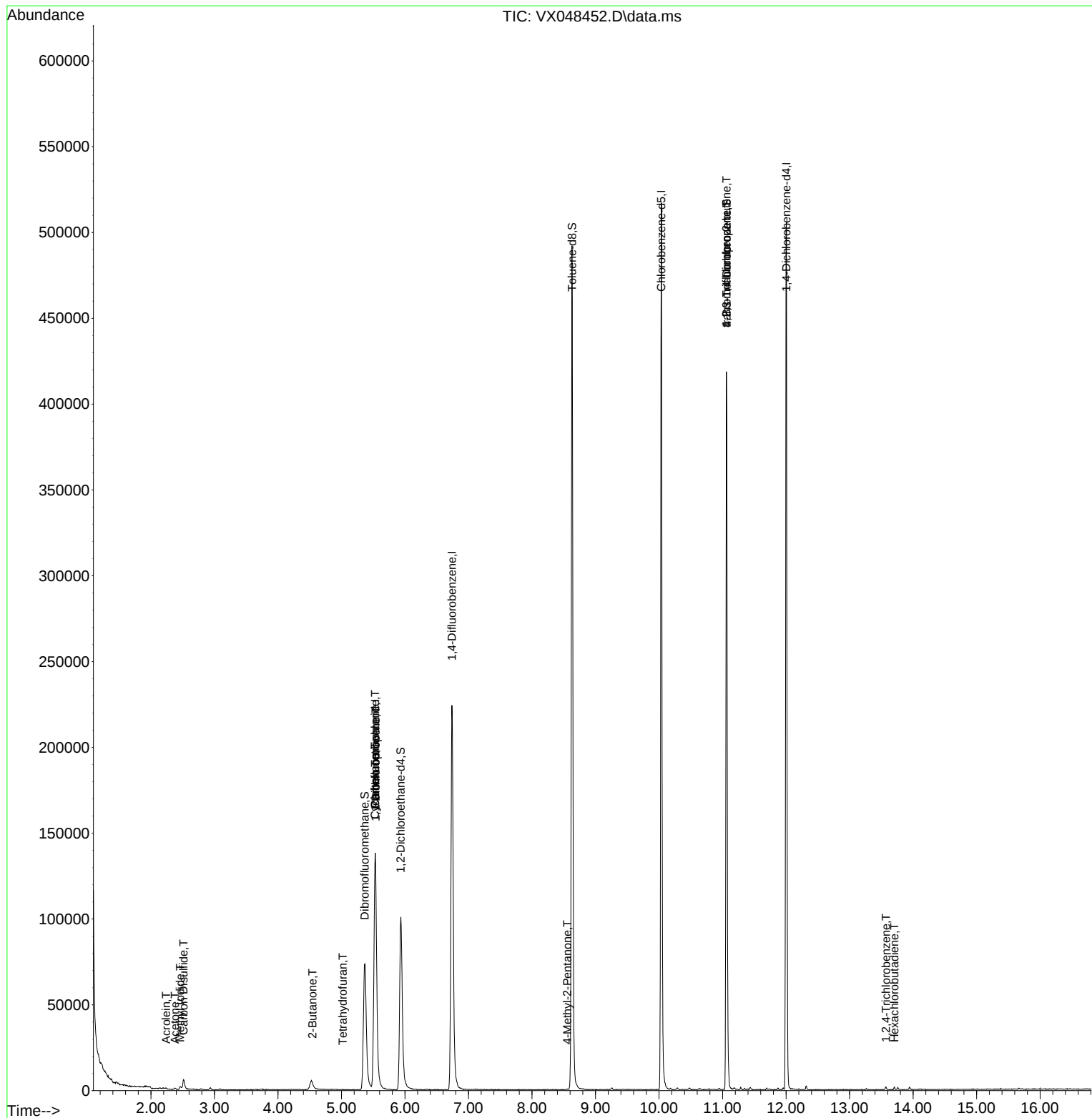
Internal Standards						
1) Pentafluorobenzene	5.531	168	133484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	237584	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	113845	59.303	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	118.600%#
35) Dibromofluoromethane	5.367	113	73074	53.947	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.900%
50) Toluene-d8	8.628	98	315943	52.839	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.680%
62) 4-Bromofluorobenzene	11.061	95	123303	55.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.260%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	2599	0.423	ug/l	91
13) Acrolein	2.239	56	115	0.375	ug/l	98
16) Acetone	2.380	43	1501	3.450	ug/l #	67
17) Carbon Disulfide	2.514	76	981	0.220	ug/l #	75
25) 2-Butanone	4.544	43	379	0.545	ug/l #	50
29) Tetrahydrofuran	5.019	42	157	0.317	ug/l #	33
31) Cyclohexane	5.525	56	3333	1.256	ug/l #	9
36) 1,1-Dichloropropene	5.538	75	11401	5.012	ug/l #	49
38) Carbon Tetrachloride	5.531	117	14605	5.561	ug/l #	15
51) 4-Methyl-2-Pentanone	8.555	43	363	0.204	ug/l #	38
76) 1,2,3-Trichloropropane	11.061	75	62490	40.992	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	62490	141.856	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.573	180	580	0.245	ug/l	93
94) Hexachlorobutadiene	13.707	225	298	0.300	ug/l	91

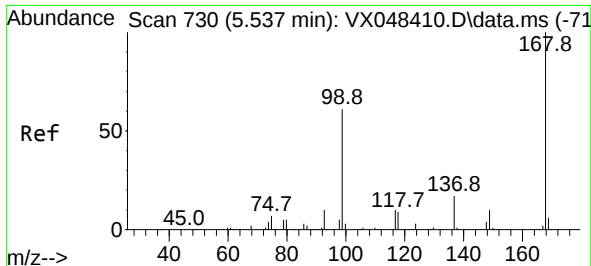
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.531 min Scan# 71

Delta R.T. -0.006 min

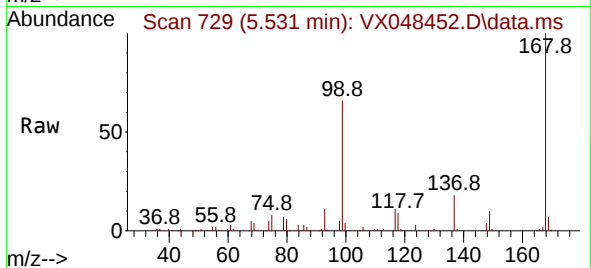
Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

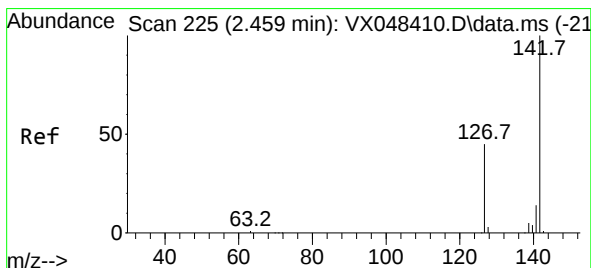
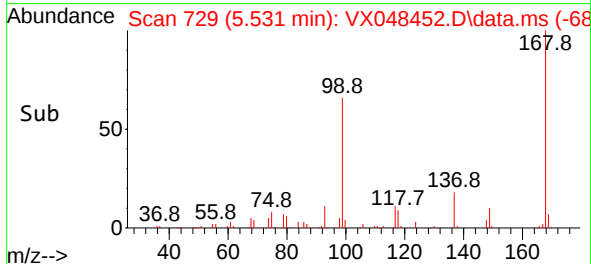
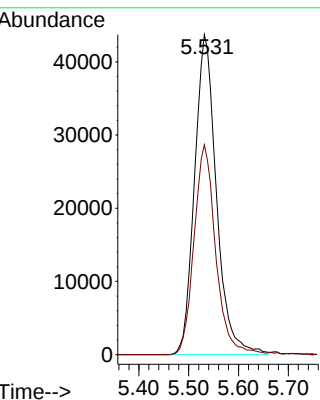


Tgt Ion:168 Resp: 133484

Ion Ratio Lower Upper

168 100

99 65.6 46.4 69.6



#10

Methyl Iodide

Concen: 0.423 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.000 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

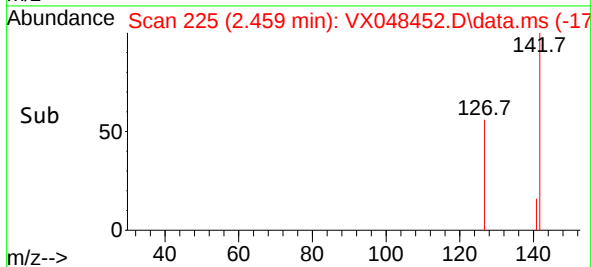
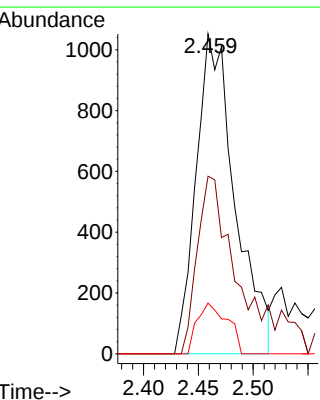
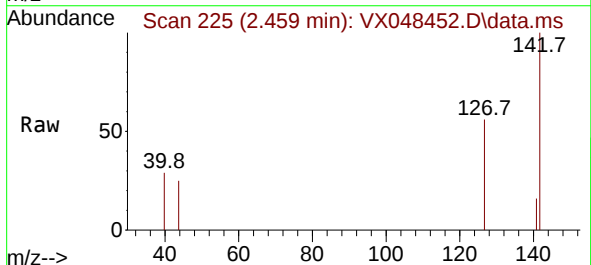
Tgt Ion:142 Resp: 2599

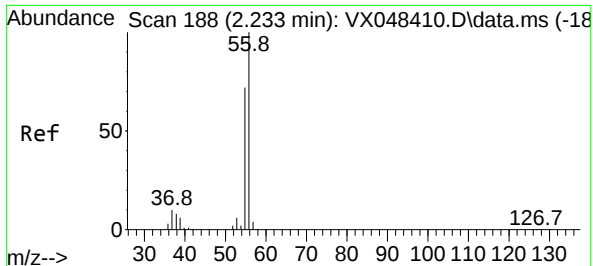
Ion Ratio Lower Upper

142 100

127 54.6 38.5 57.7

141 12.2 11.6 17.4

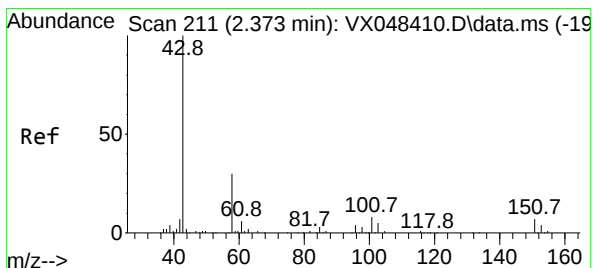
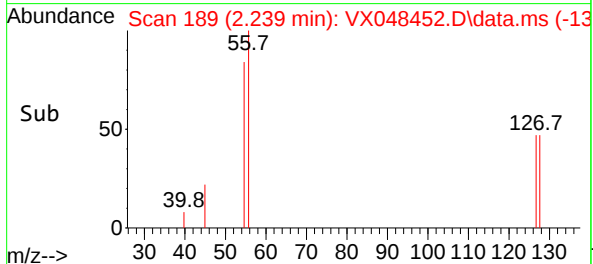
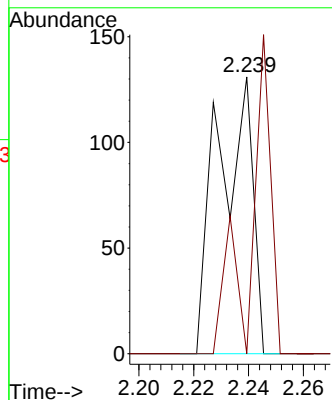
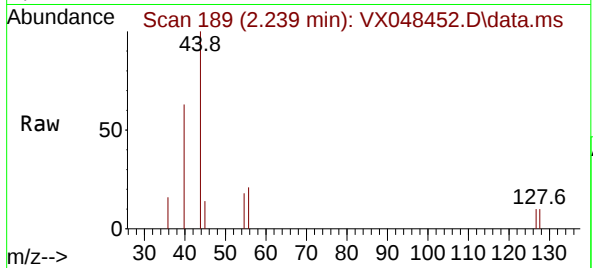




#13
Acrolein
Concen: 0.375 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

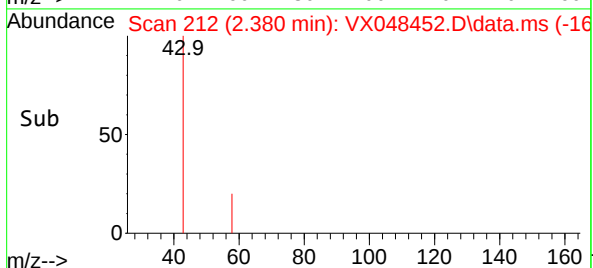
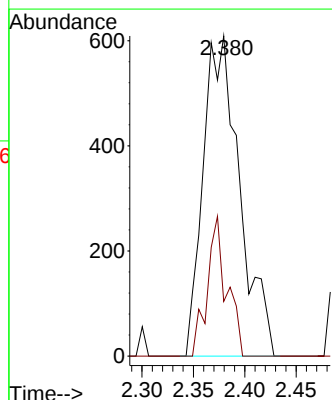
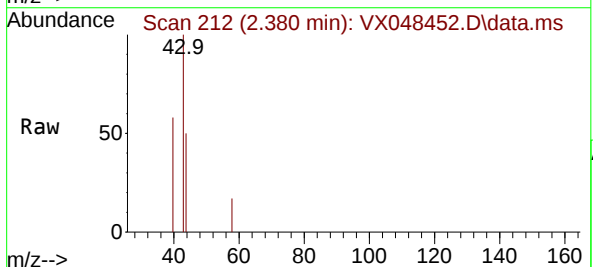
Instrument :
MSVOA_X
ClientSampleId :

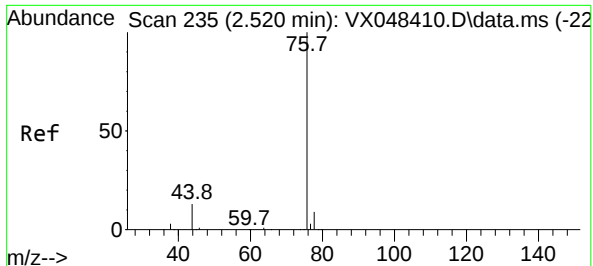
Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 68.7 56.1 84.1



#16
Acetone
Concen: 3.450 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
58 11.4 23.4 35.2#





#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

Instrument :

MSVOA_X

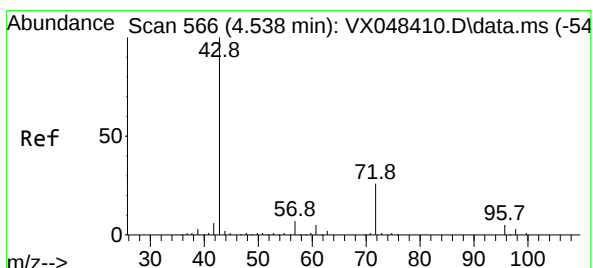
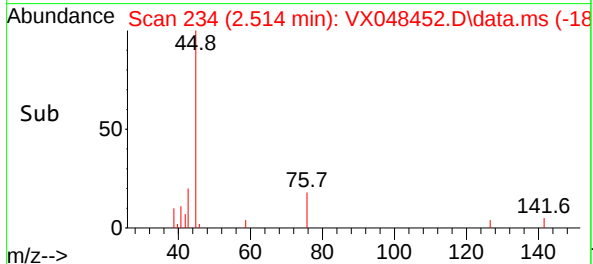
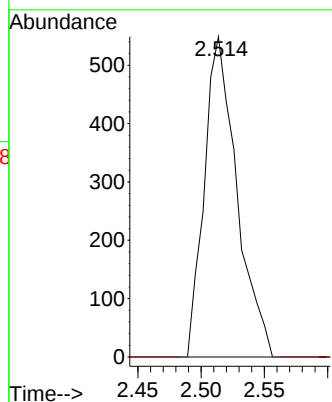
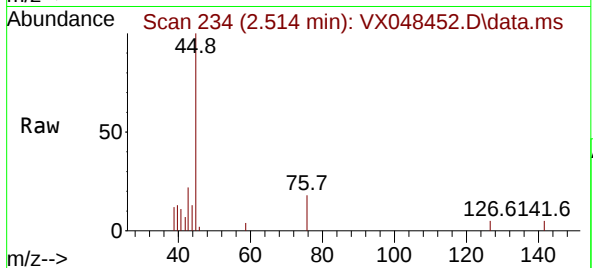
ClientSampleId :

Tgt Ion: 76 Resp: 981

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#25

2-Butanone

Concen: 0.545 ug/l

RT: 4.544 min Scan# 567

Delta R.T. 0.006 min

Lab File: VX048452.D

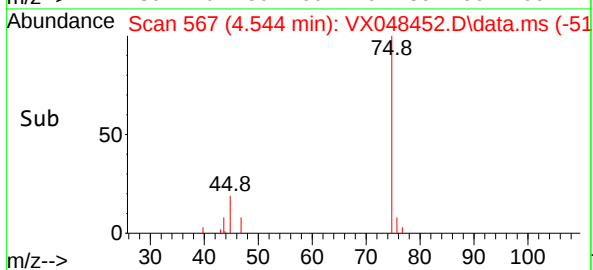
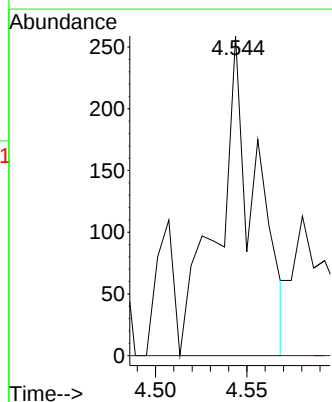
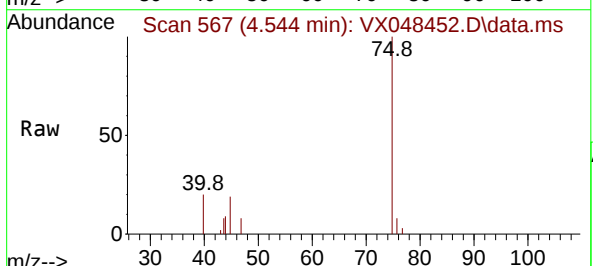
Acq: 03 Nov 2025 13:37

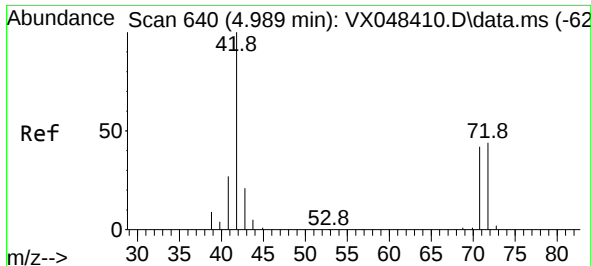
Tgt Ion: 43 Resp: 379

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.317 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

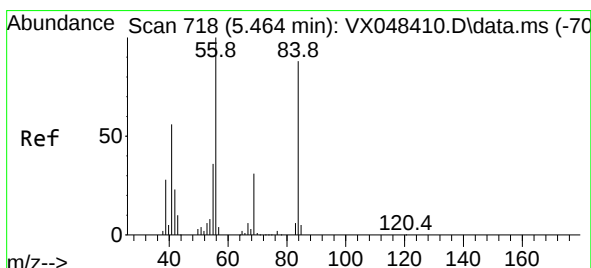
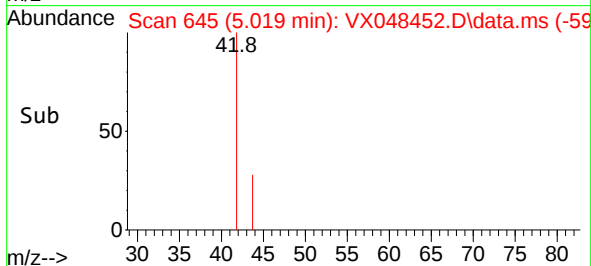
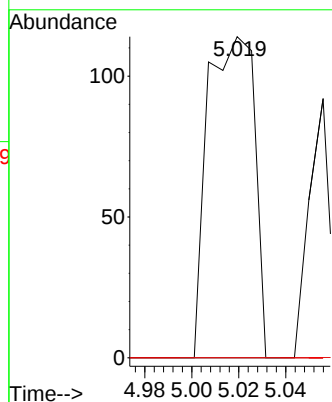
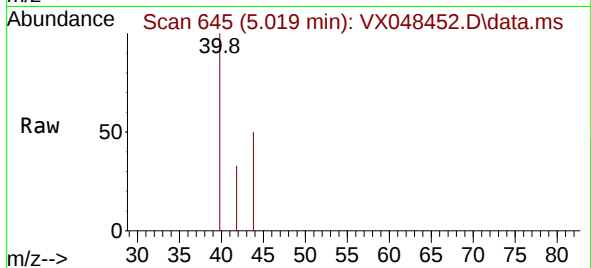
Tgt Ion: 42 Resp: 157

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 5.525 min Scan# 728

Delta R.T. 0.061 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

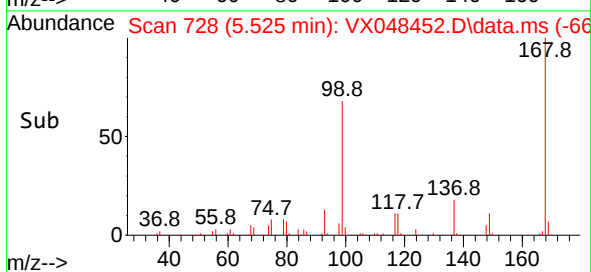
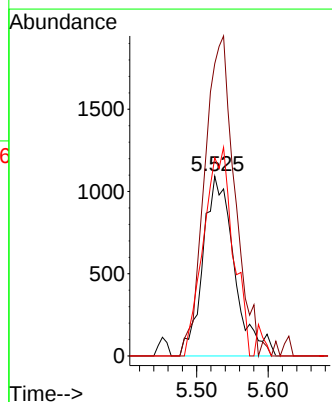
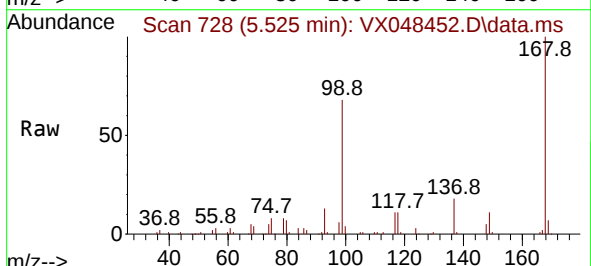
Tgt Ion: 56 Resp: 3333

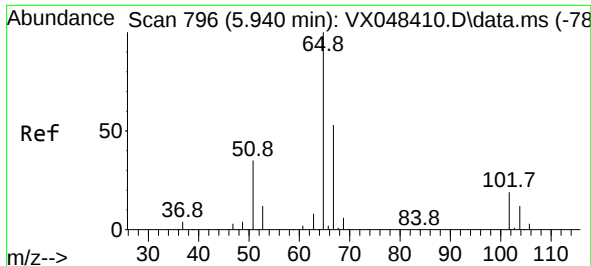
Ion Ratio Lower Upper

56 100

69 162.7 23.0 34.6#

84 110.3 64.6 97.0#

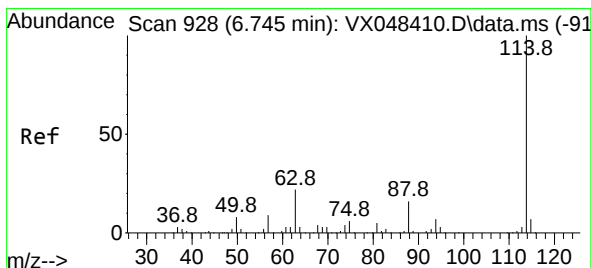
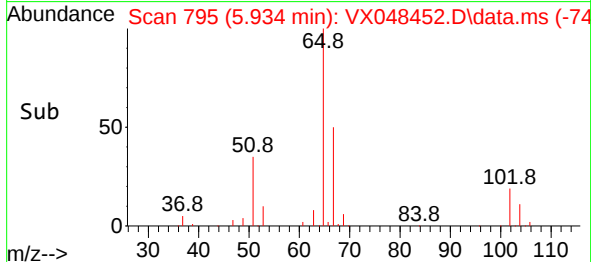
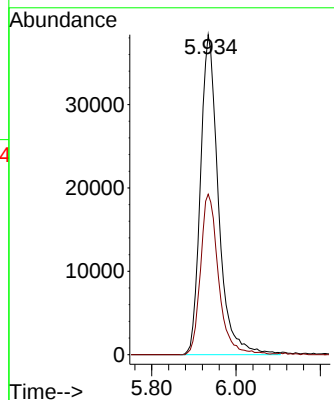
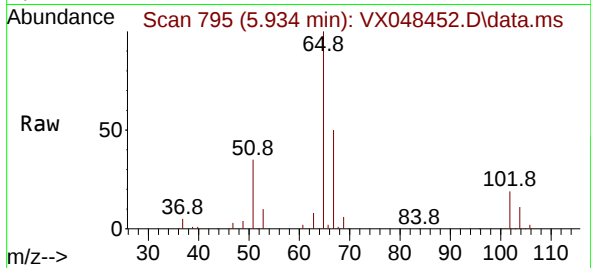




#33
 1,2-Dichloroethane-d4
 Concen: 59.303 ug/l
 RT: 5.934 min Scan# 796
 Delta R.T. -0.006 min
 Lab File: VX048452.D
 Acq: 03 Nov 2025 13:37

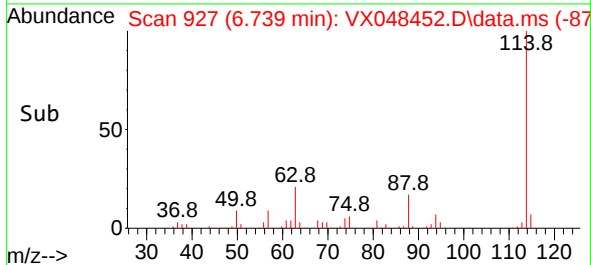
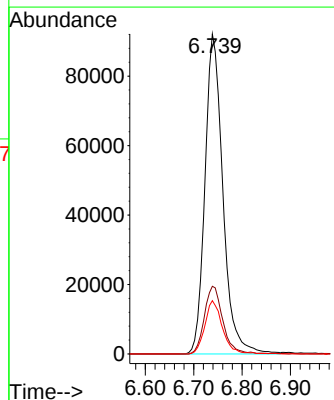
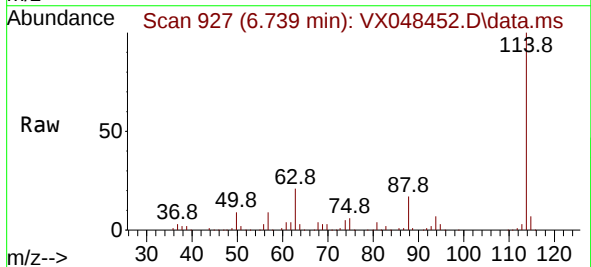
Instrument :
 MSVOA_X
 ClientSampleId :

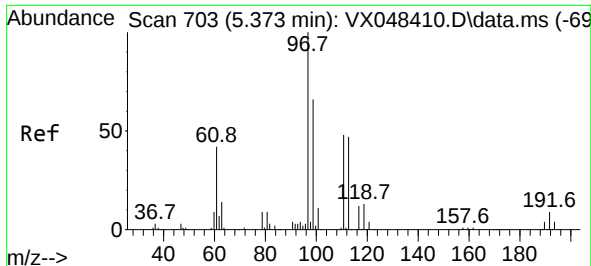
Tgt Ion: 65 Resp: 113845
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.739 min Scan# 927
 Delta R.T. -0.006 min
 Lab File: VX048452.D
 Acq: 03 Nov 2025 13:37

Tgt Ion: 114 Resp: 237584
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 16.6 0.0 33.6

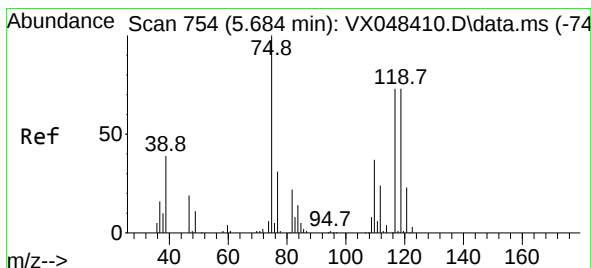
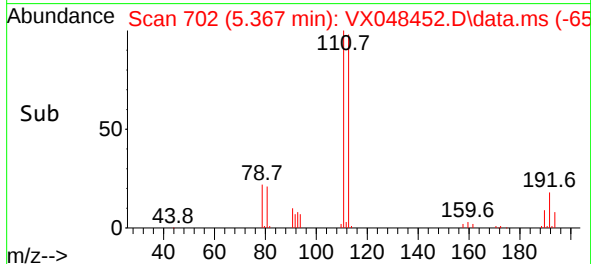
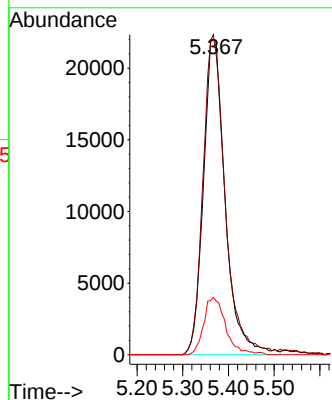
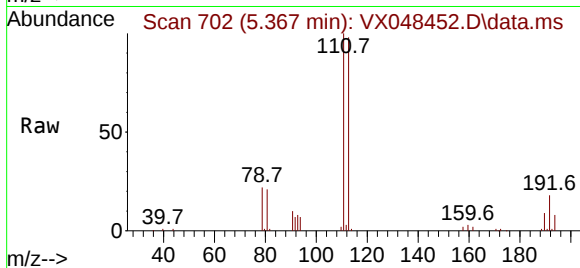




#35
Dibromofluoromethane
Concen: 53.947 ug/l
RT: 5.367 min Scan# 70
Delta R.T. -0.006 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

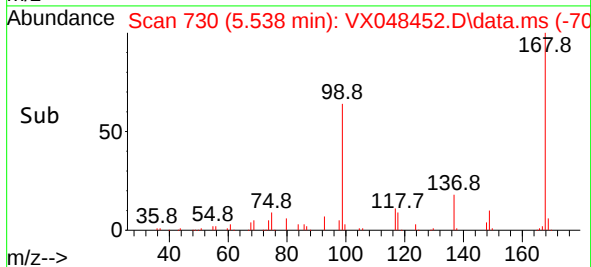
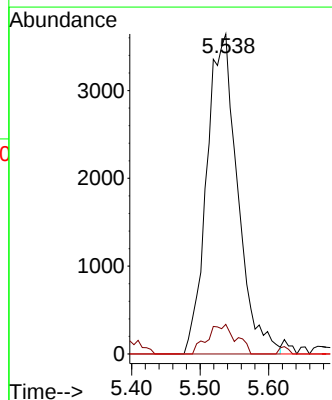
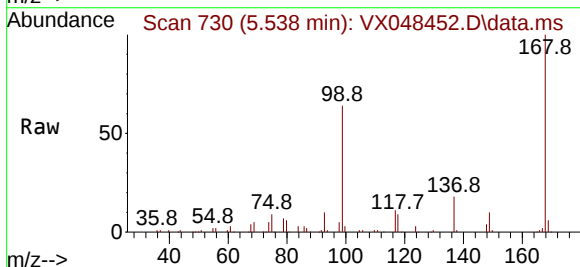
Instrument :
MSVOA_X
ClientSampleId :

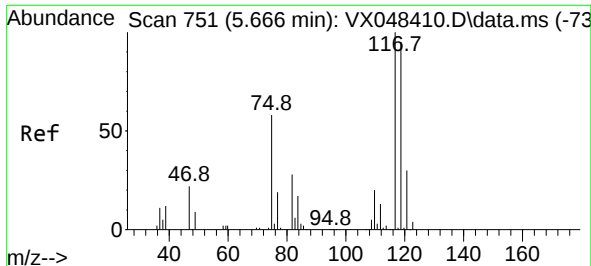
Tgt Ion:113 Resp: 73074
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 18.2 15.1 22.7



#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

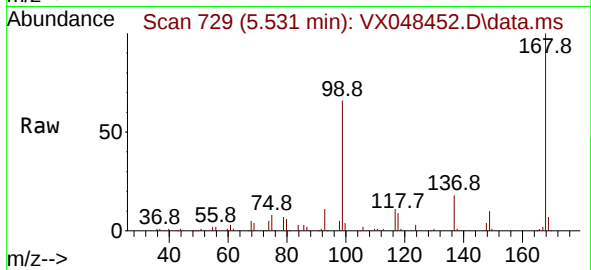
Tgt Ion: 75 Resp: 11401
Ion Ratio Lower Upper
75 100
110 8.6 17.7 53.1#
77 0.0 24.3 36.5#



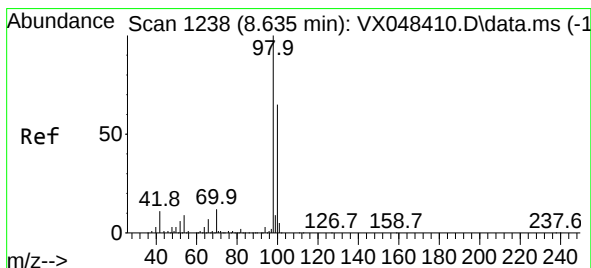
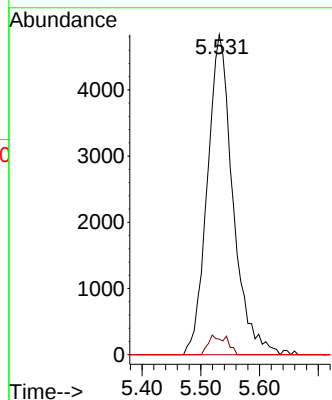
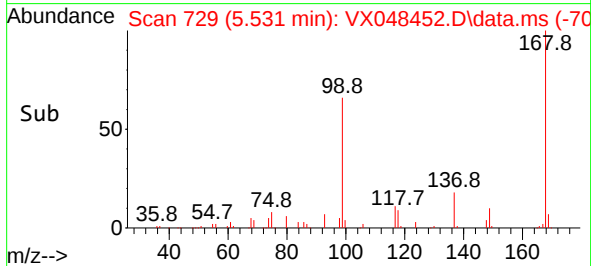


#38
Carbon Tetrachloride
Concen: 5.561 ug/l
RT: 5.531 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :

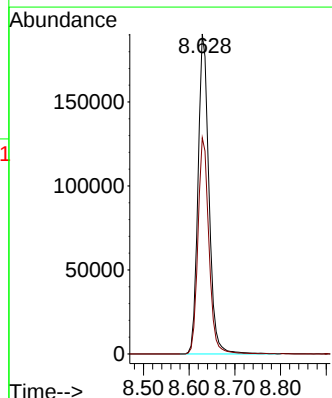
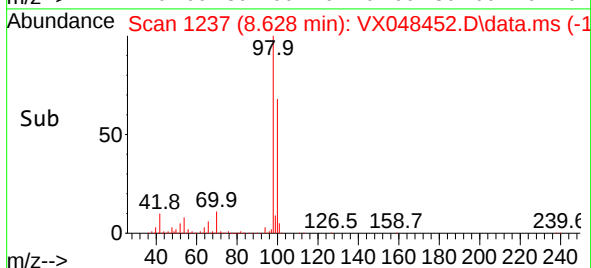
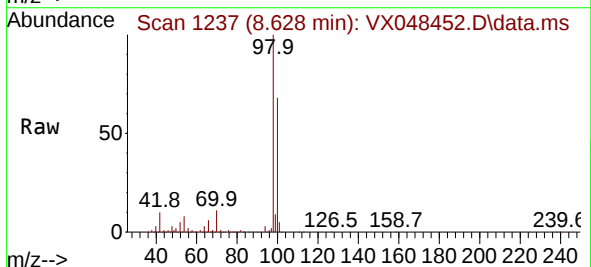


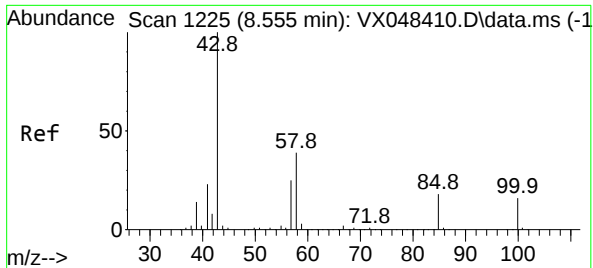
Tgt Ion:117 Resp: 14605
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.839 ug/l
RT: 8.628 min Scan# 1237
Delta R.T. -0.006 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

Tgt Ion: 98 Resp: 315943
Ion Ratio Lower Upper
98 100
100 67.7 53.0 79.4

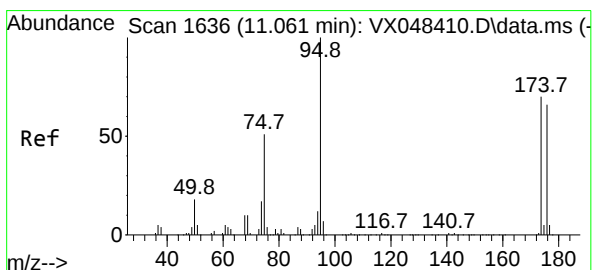
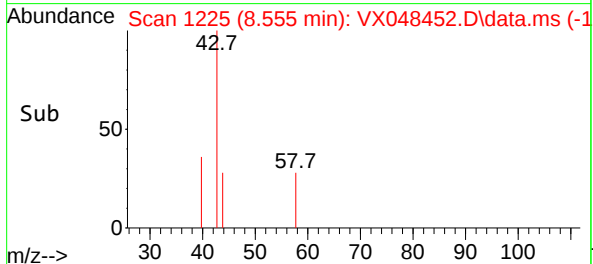
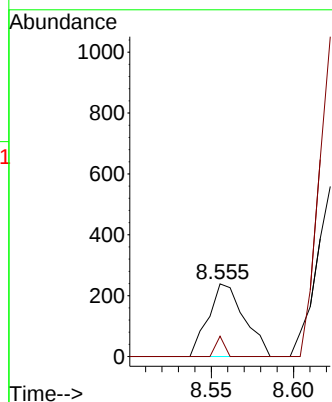
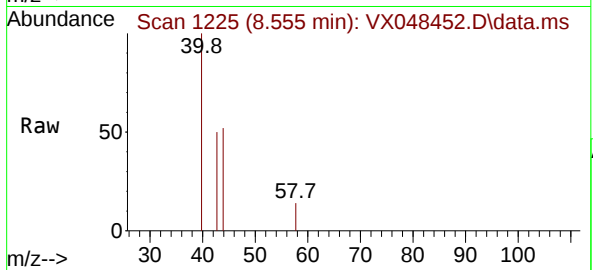




#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 8.555 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

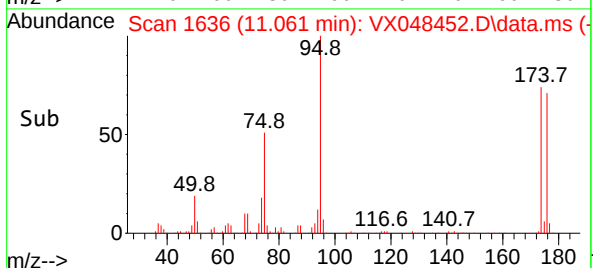
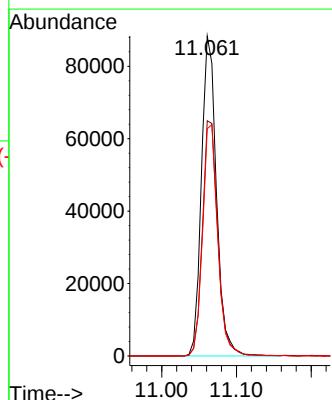
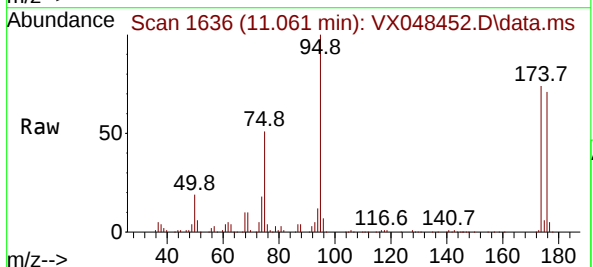
Instrument :
MSVOA_X
ClientSampleId :

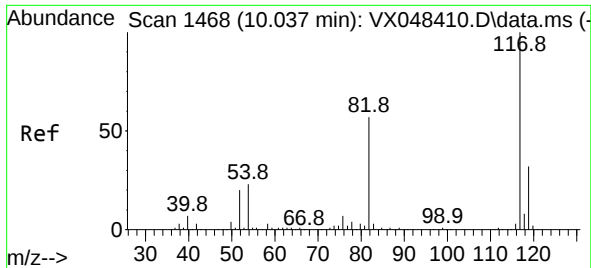
Tgt Ion: 43 Resp: 363
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#



#62
4-Bromofluorobenzene
Concen: 55.126 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

Tgt Ion: 95 Resp: 123303
Ion Ratio Lower Upper
95 100
174 75.3 0.0 147.8
176 73.0 0.0 142.8

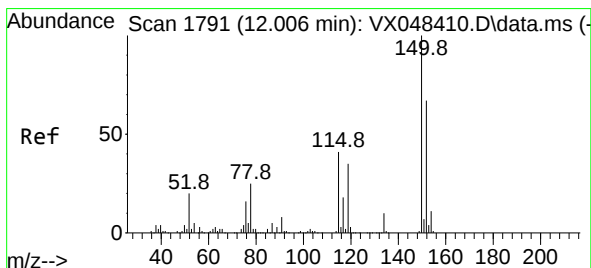
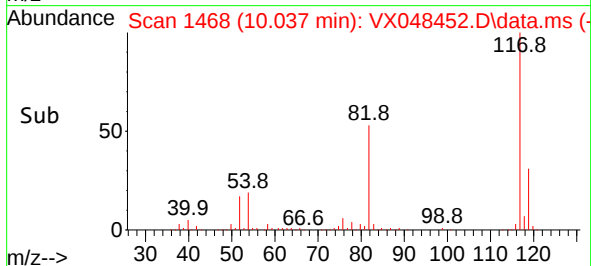
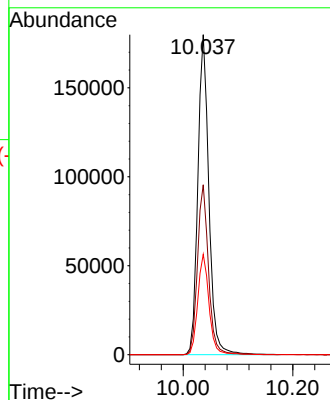
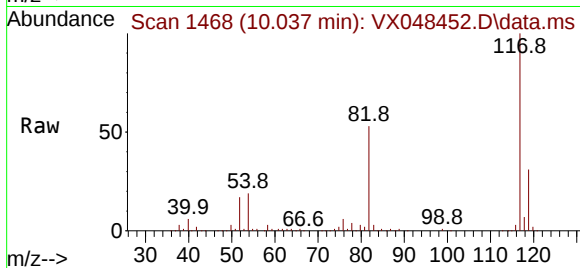




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

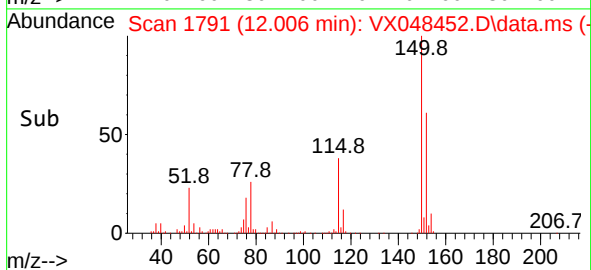
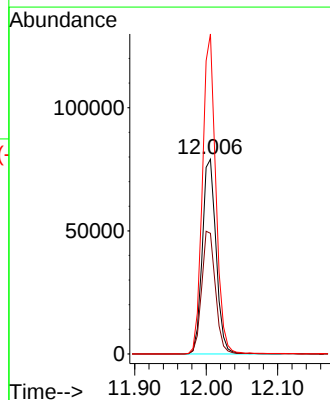
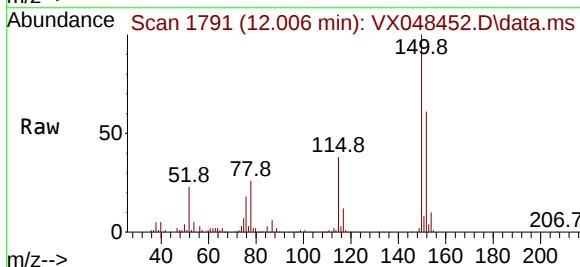
Instrument :
MSVOA_X
ClientSampleId :

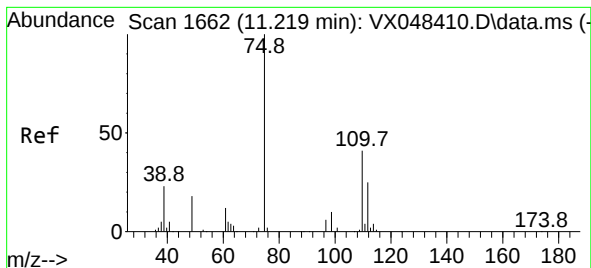
Tgt Ion:117 Resp: 252349
Ion Ratio Lower Upper
117 100
82 53.1 46.5 69.7
119 31.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048452.D
Acq: 03 Nov 2025 13:37

Tgt Ion:152 Resp: 106003
Ion Ratio Lower Upper
152 100
115 62.9 43.1 129.4
150 159.5 0.0 353.0





#76

1,2,3-Trichloropropane

Concen: 40.992 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

Instrument :

MSVOA_X

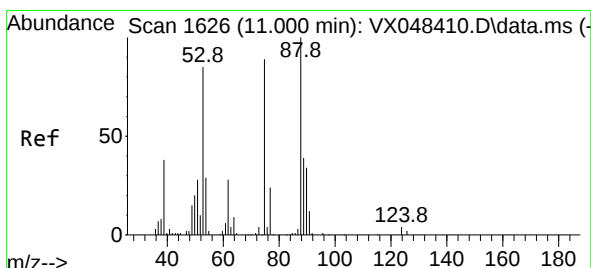
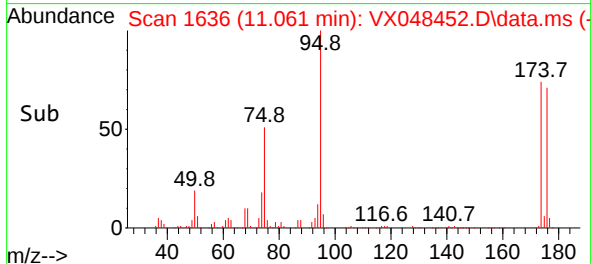
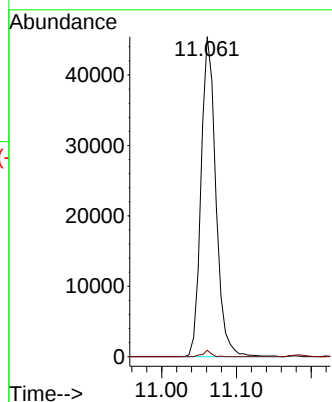
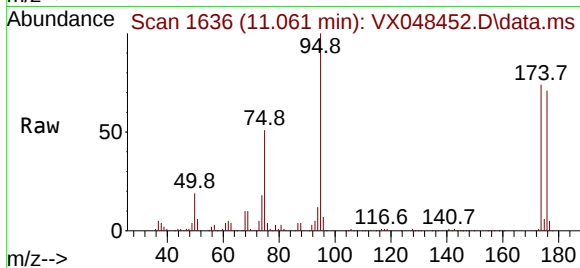
ClientSampleId :

Tgt Ion: 75 Resp: 62490

Ion Ratio Lower Upper

75 100

77 1.1 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.856 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

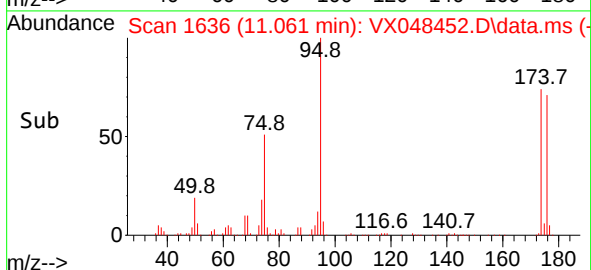
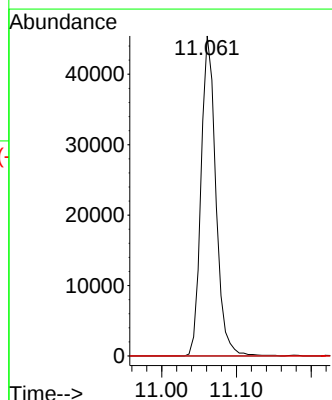
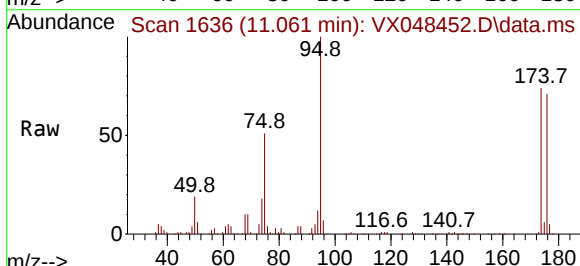
Tgt Ion: 75 Resp: 62490

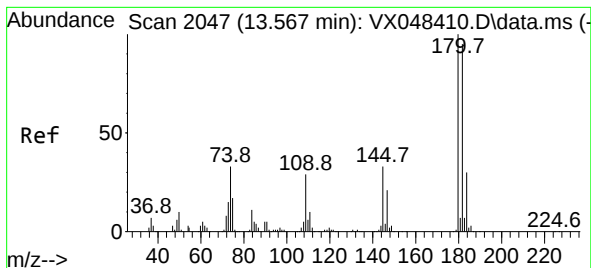
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 36.8 55.2#





#93

1,2,4-Trichlorobenzene

Concen: 0.245 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

Instrument :

MSVOA_X

ClientSampleId :

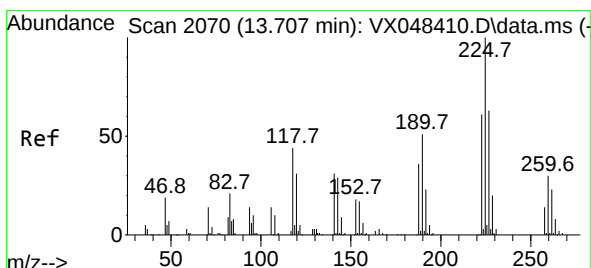
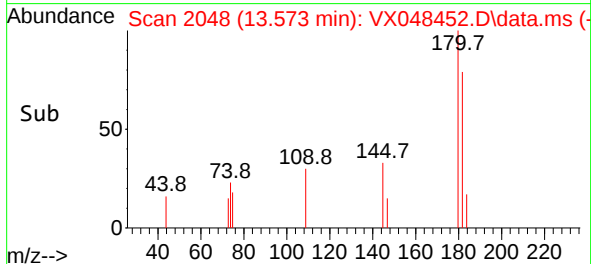
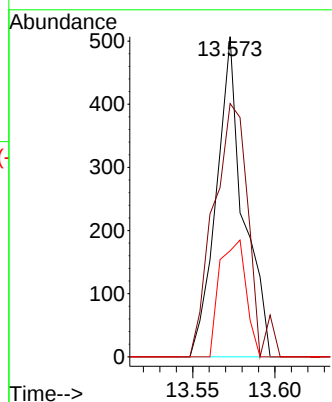
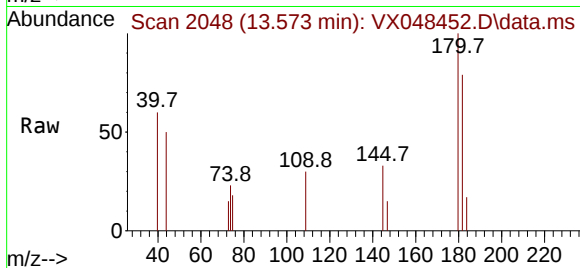
Tgt Ion:180 Resp: 580

Ion Ratio Lower Upper

180 100

182 101.7 47.3 142.0

145 35.7 16.3 48.9



#94

Hexachlorobutadiene

Concen: 0.300 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VX048452.D

Acq: 03 Nov 2025 13:37

Tgt Ion:225 Resp: 298

Ion Ratio Lower Upper

225 100

223 61.7 32.6 97.7

227 54.0 32.5 97.4

