

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048461.D
 Acq On : 03 Nov 2025 16:42
 Operator : JC/MD
 Sample : Q3505-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:16:13 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)

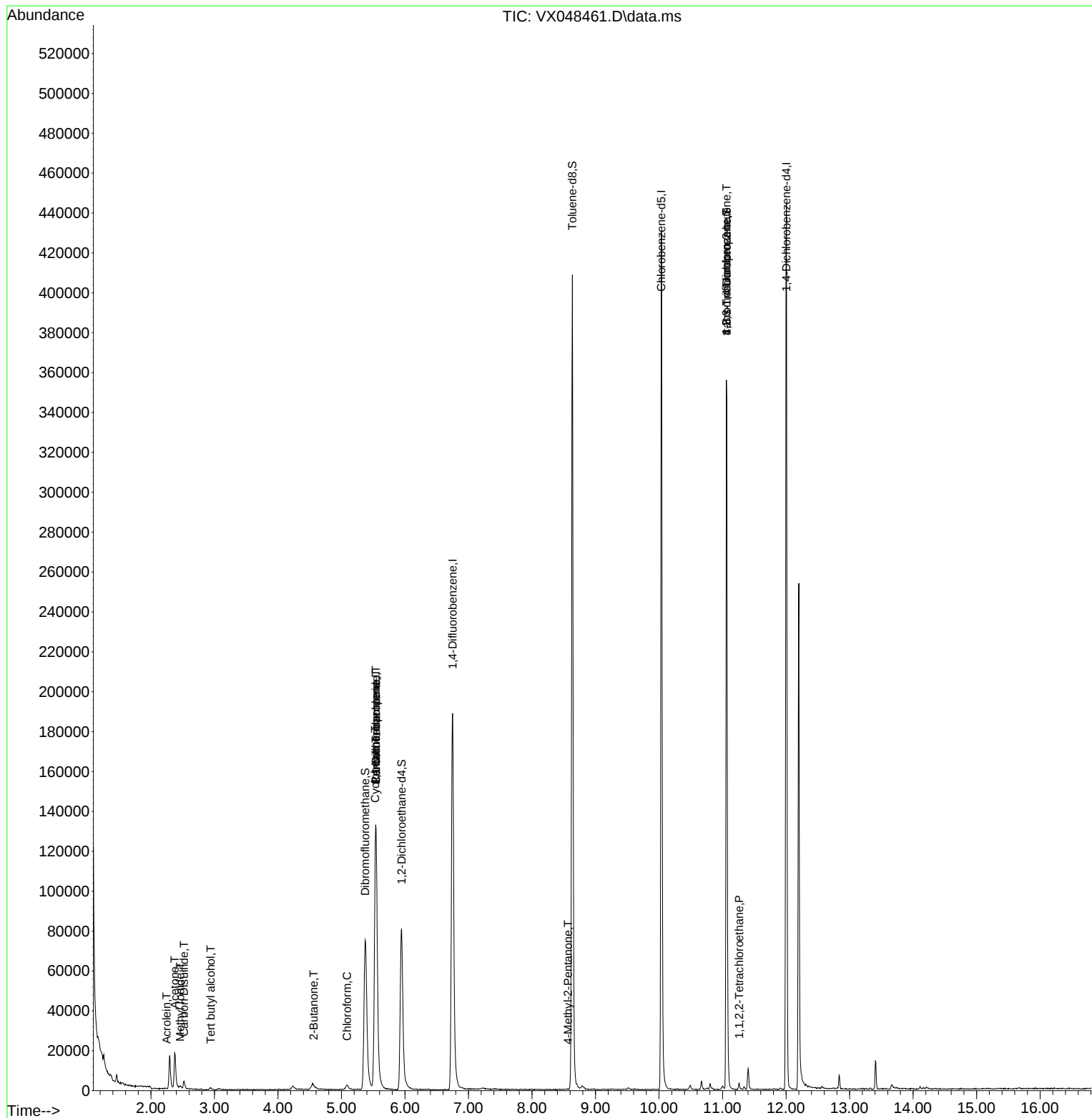
Internal Standards						
1) Pentafluorobenzene	5.544	168	142595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	224905	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	194975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	94137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	89523	43.654	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.300%
35) Dibromofluoromethane	5.373	113	75944	59.226	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.460%
50) Toluene-d8	8.635	98	245200	43.320	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	86.640%#
62) 4-Bromofluorobenzene	11.061	95	98508	46.523	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	1378	0.210	ug/l #	90
11) Tert butyl alcohol	2.941	59	142	0.904	ug/l #	72
13) Acrolein	2.246	56	244	0.744	ug/l #	69
16) Acetone	2.374	43	23292	50.113	ug/l	97
17) Carbon Disulfide	2.520	76	2013	0.423	ug/l	98
25) 2-Butanone	4.562	43	2413	3.250	ug/l	96
30) Chloroform	5.087	83	3157	0.940	ug/l #	83
31) Cyclohexane	5.532	56	2559	0.903	ug/l #	2
36) 1,1-Dichloropropene	5.544	75	10723	4.980	ug/l #	47
38) Carbon Tetrachloride	5.544	117	14243	5.729	ug/l #	16
51) 4-Methyl-2-Pentanone	8.568	43	485	0.288	ug/l #	62
75) 1,1,2,2-Tetrachloroethane	11.262	83	768	0.435	ug/l #	26
76) 1,2,3-Trichloropropane	11.061	75	54714	40.415	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	54714	139.860	ug/l #	10

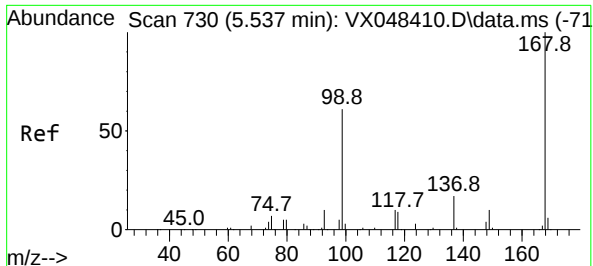
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 04 00:16:13 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

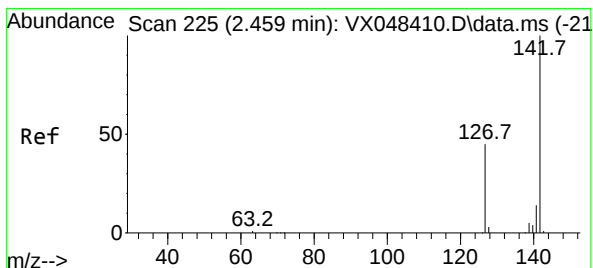
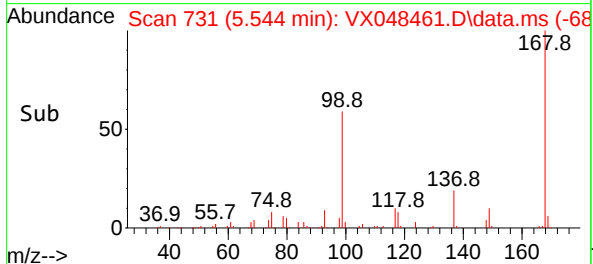
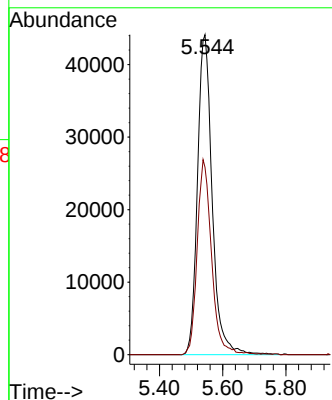
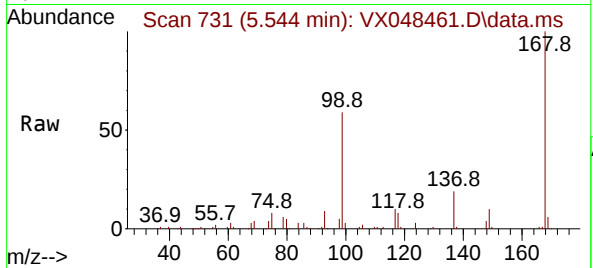




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

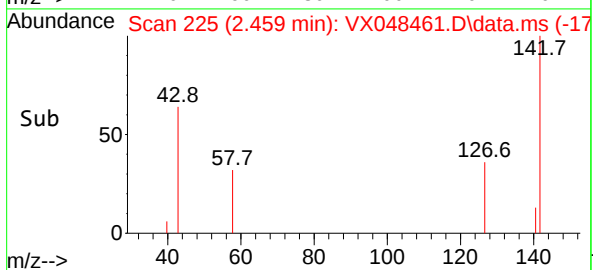
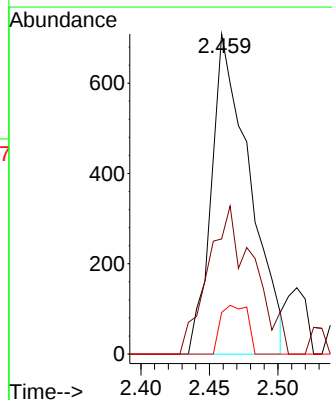
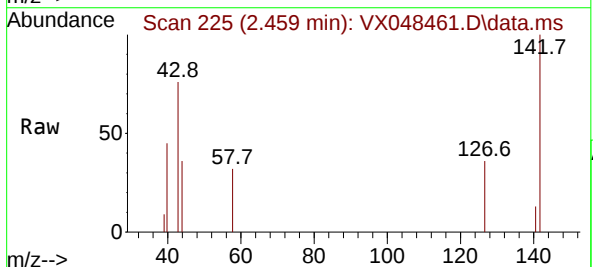
Instrument :
MSVOA_X
ClientSampleId :

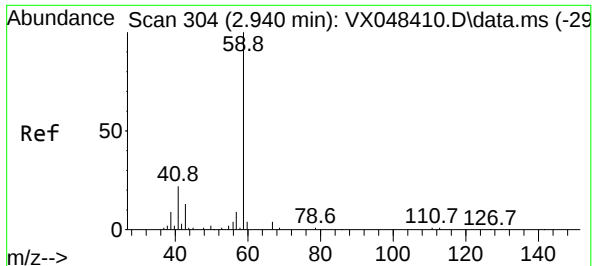
Tgt Ion:168 Resp: 142595
Ion Ratio Lower Upper
168 100
99 58.6 46.4 69.6



#10
Methyl Iodide
Concen: 0.210 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Tgt Ion:142 Resp: 1378
Ion Ratio Lower Upper
142 100
127 55.2 38.5 57.7
141 10.7 11.6 17.4#





#11

Tert butyl alcohol

Concen: 0.904 ug/l

RT: 2.941 min Scan# 304

Delta R.T. 0.000 min

Lab File: VX048461.D

Acq: 03 Nov 2025 16:42

Instrument :

MSVOA_X

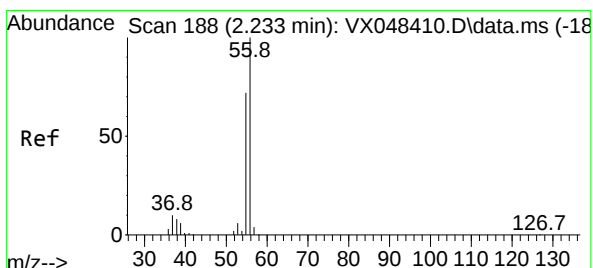
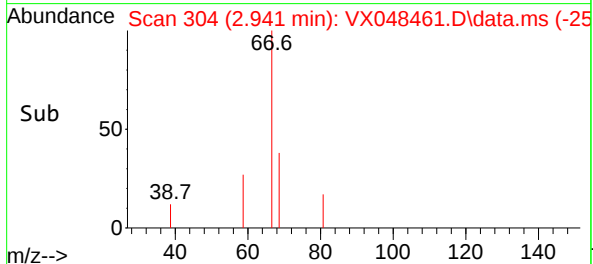
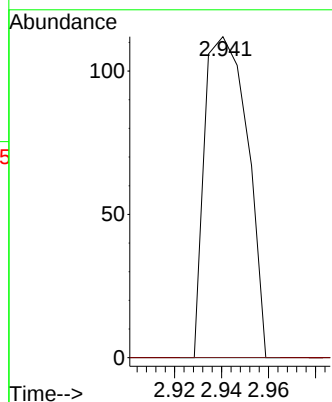
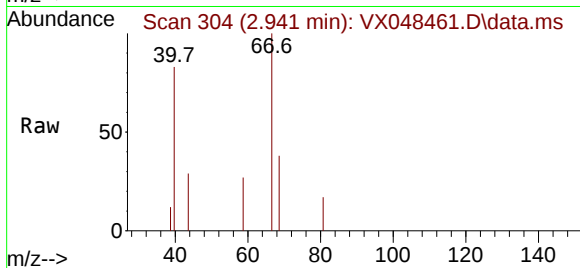
ClientSampleId :

Tgt Ion: 59 Resp: 142

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.744 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX048461.D

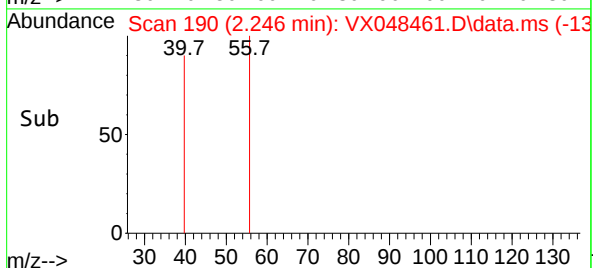
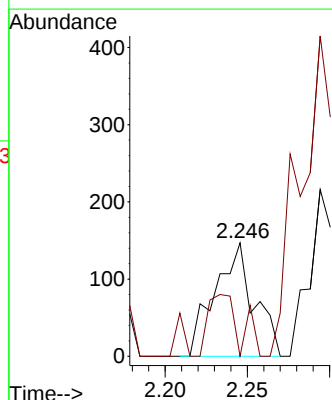
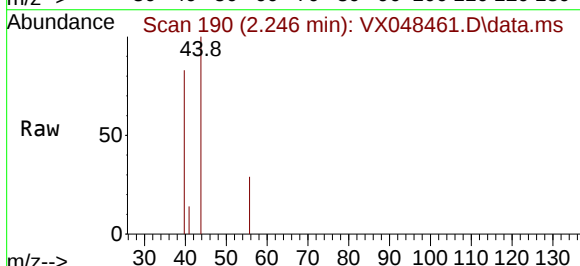
Acq: 03 Nov 2025 16:42

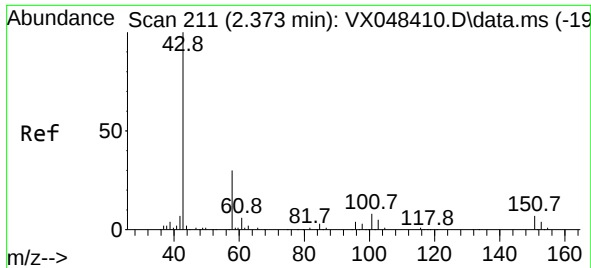
Tgt Ion: 56 Resp: 244

Ion Ratio Lower Upper

56 100

55 44.7 56.1 84.1#

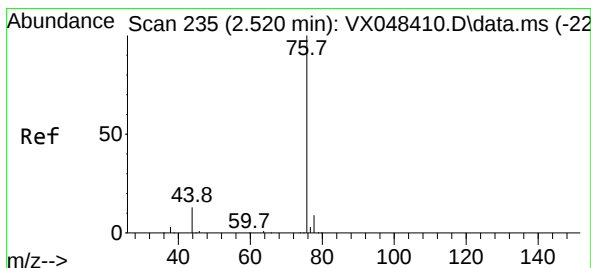
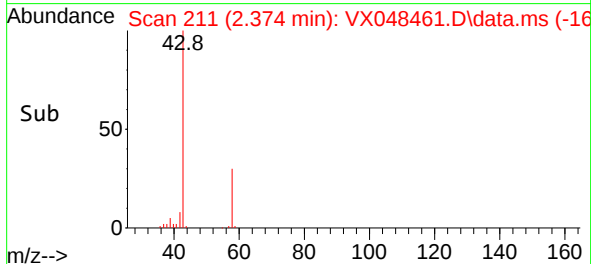
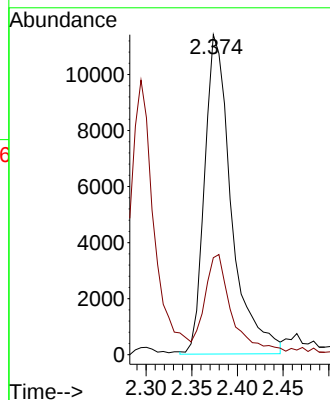
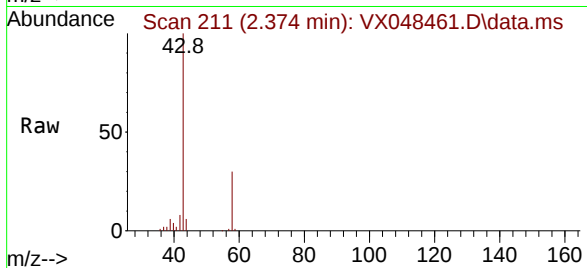




#16
Acetone
Concen: 50.113 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

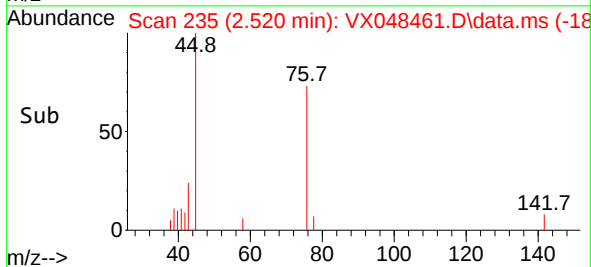
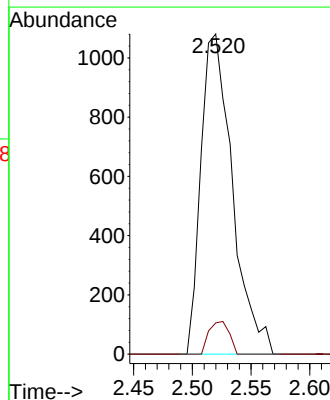
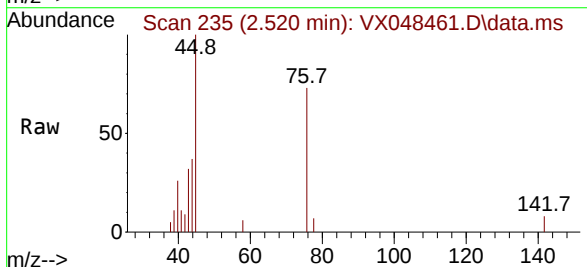
Instrument :
MSVOA_X
ClientSampleId :

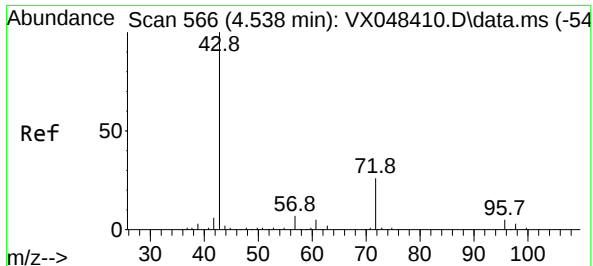
Tgt Ion: 43 Resp: 23292
Ion Ratio Lower Upper
43 100
58 27.7 23.4 35.2



#17
Carbon Disulfide
Concen: 0.423 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Tgt Ion: 76 Resp: 2013
Ion Ratio Lower Upper
76 100
78 9.7 7.1 10.7





#25

2-Butanone

Concen: 3.250 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX048461.D

Acq: 03 Nov 2025 16:42

Instrument :

MSVOA_X

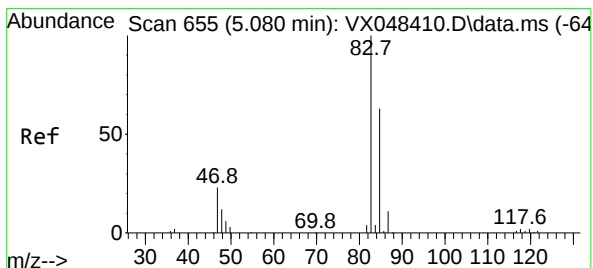
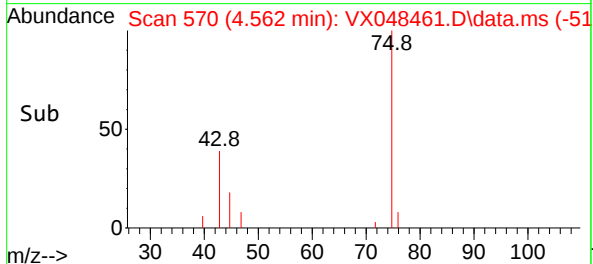
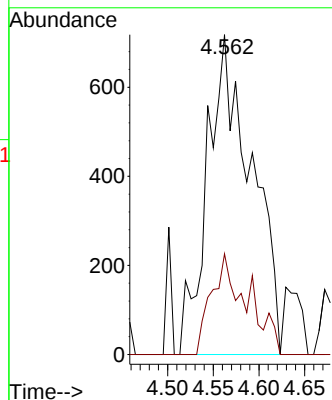
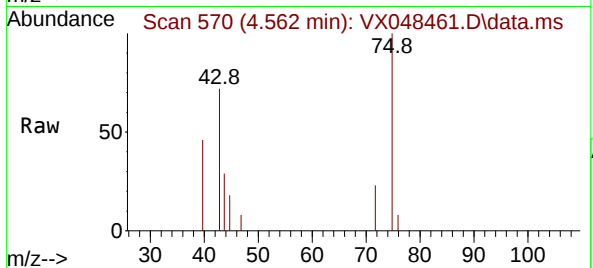
ClientSampleId :

Tgt Ion: 43 Resp: 2413

Ion Ratio Lower Upper

43 100

72 27.1 19.9 29.9



#30

Chloroform

Concen: 0.940 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX048461.D

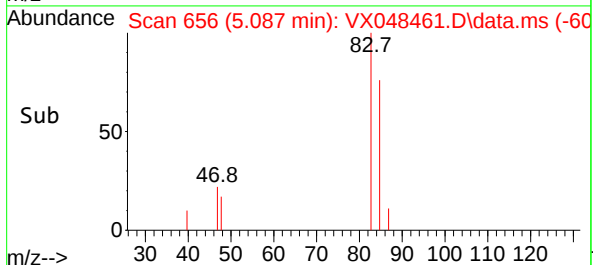
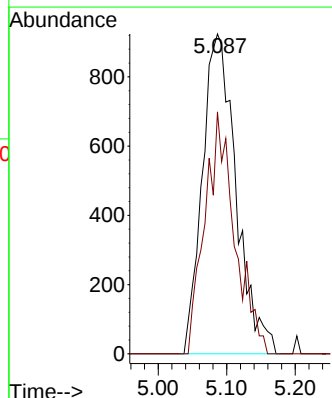
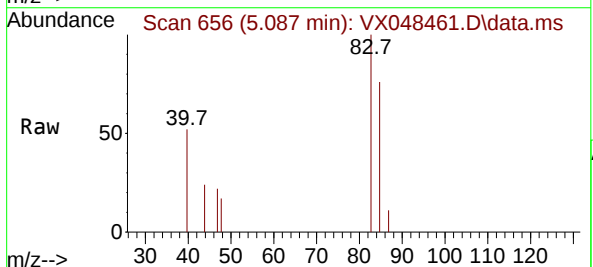
Acq: 03 Nov 2025 16:42

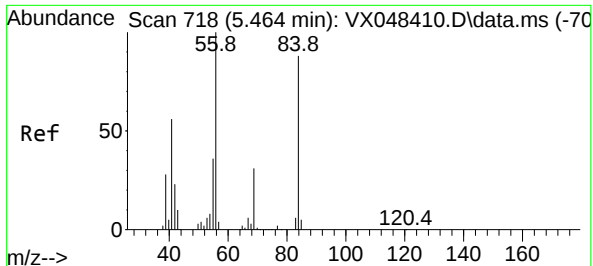
Tgt Ion: 83 Resp: 3157

Ion Ratio Lower Upper

83 100

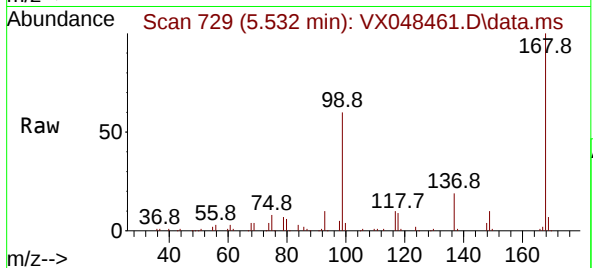
85 75.6 50.1 75.1#





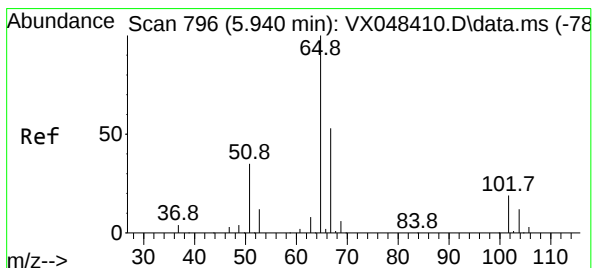
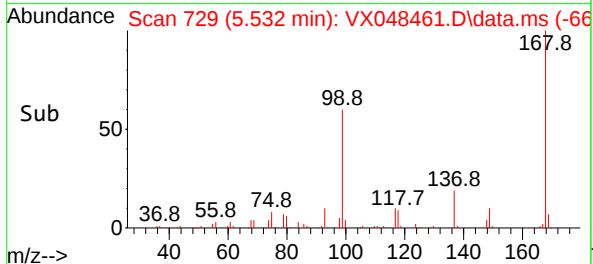
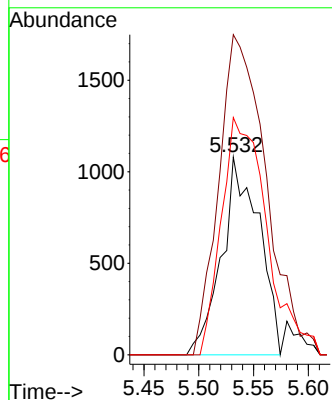
#31
Cyclohexane
Concen: 0.903 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 56 Resp: 2559

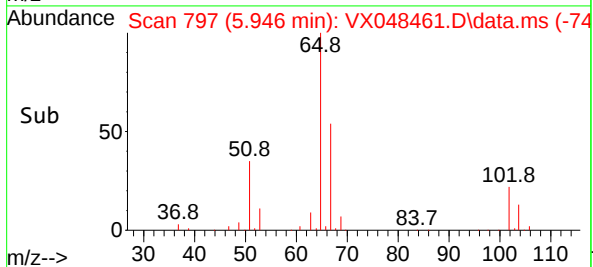
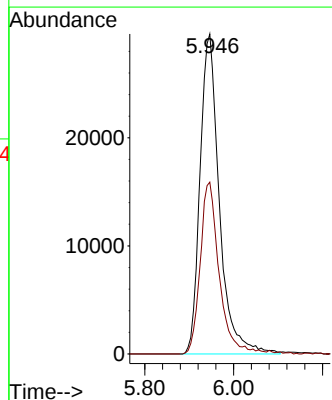
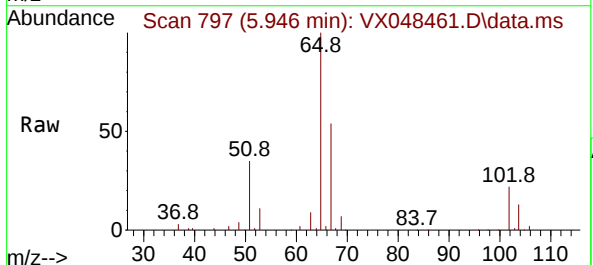
Ion	Ratio	Lower	Upper
56	100		
69	161.9	23.0	34.6#
84	120.0	64.6	97.0#

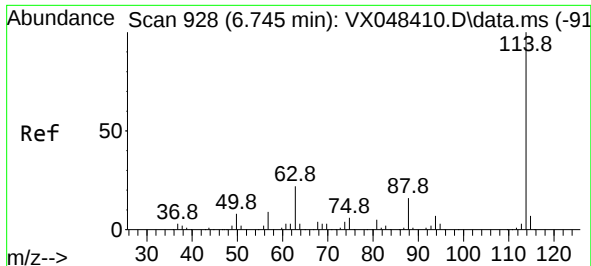


#33
1,2-Dichloroethane-d4
Concen: 43.654 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Tgt Ion: 65 Resp: 89523

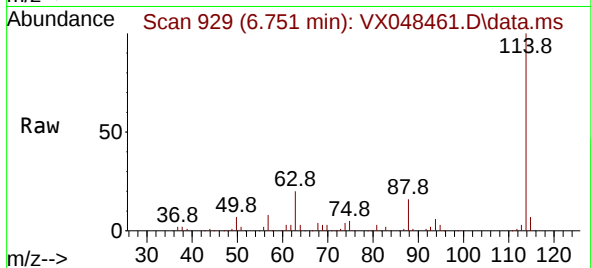
Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.0



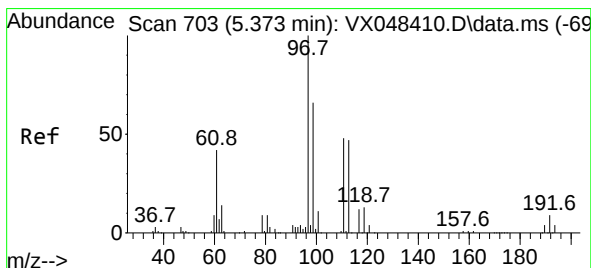
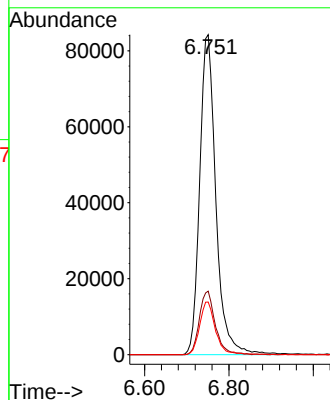
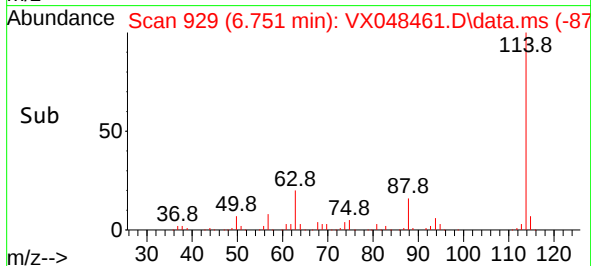


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :

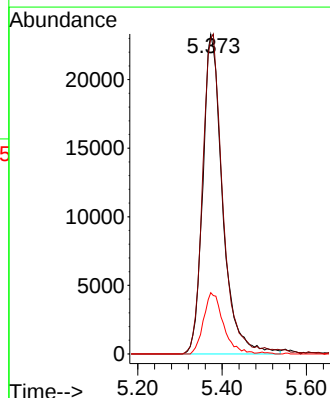
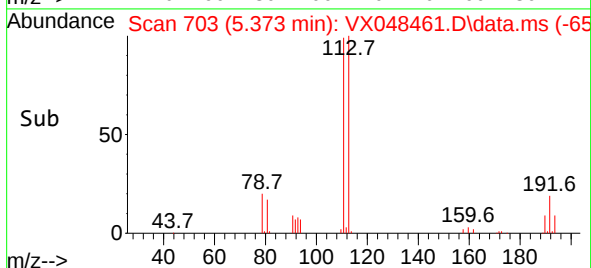
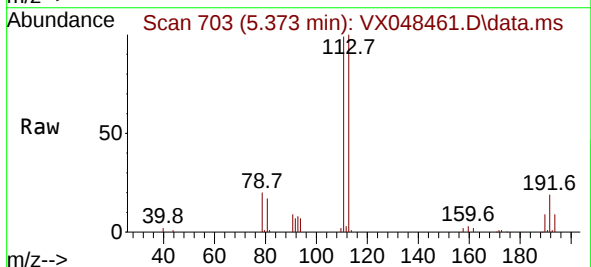


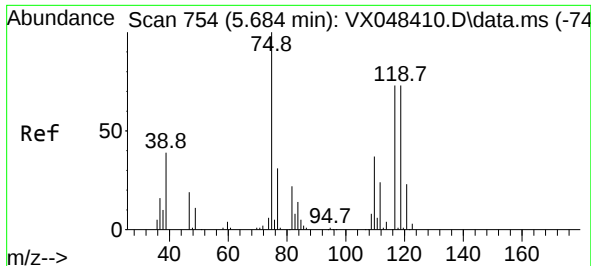
Tgt Ion:114 Resp: 224905
Ion Ratio Lower Upper
114 100
63 19.9 0.0 43.2
88 16.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 59.226 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

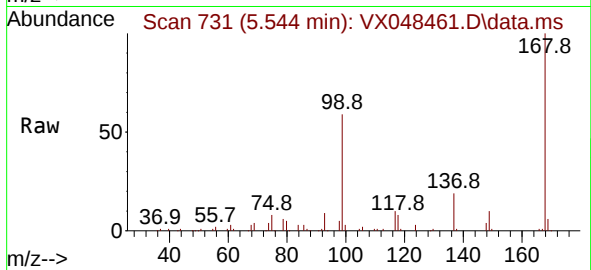
Tgt Ion:113 Resp: 75944
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 19.2 15.1 22.7



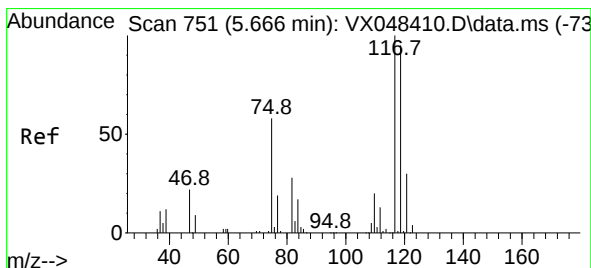
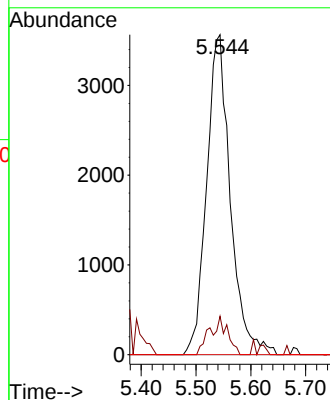
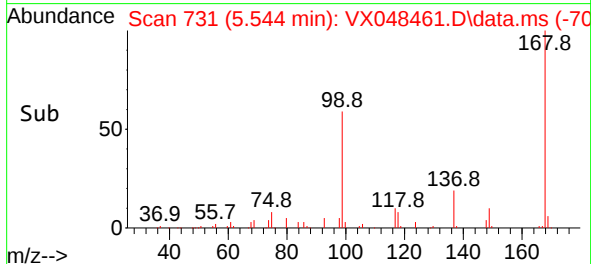


#36
1,1-Dichloropropene
Concen: 4.980 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Instrument :
MSVOA_X
ClientSampleId :

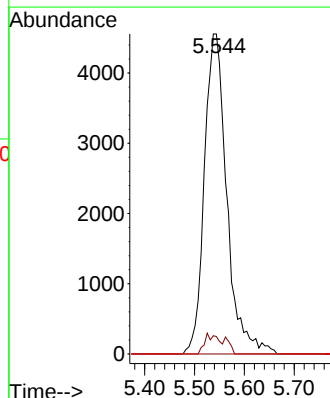
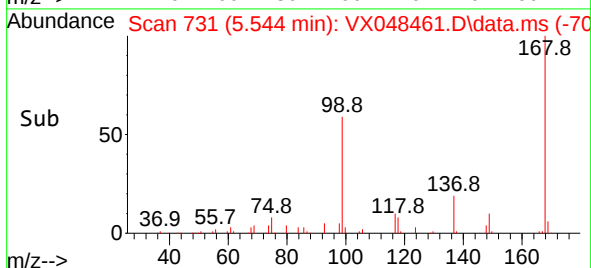
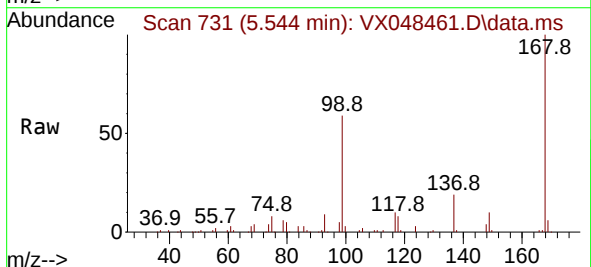


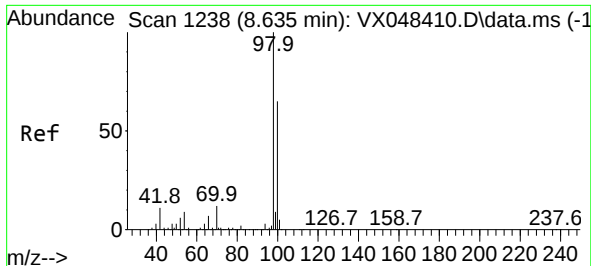
Tgt Ion: 75 Resp: 10723
Ion Ratio Lower Upper
75 100
110 5.5 17.7 53.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Tgt Ion: 117 Resp: 14243
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.8 37.2#

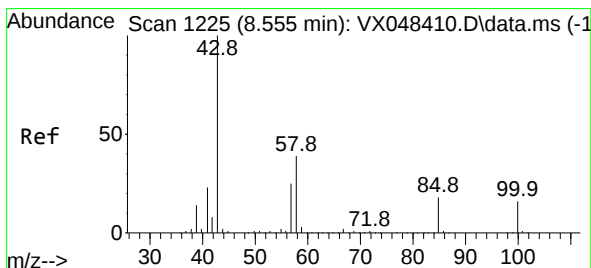
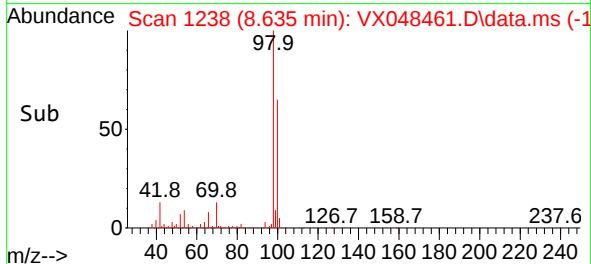
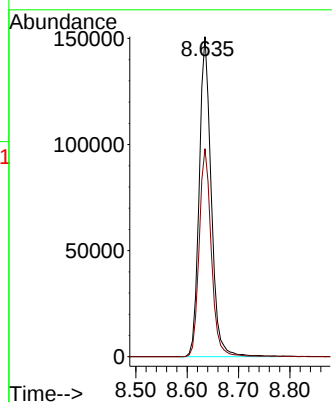
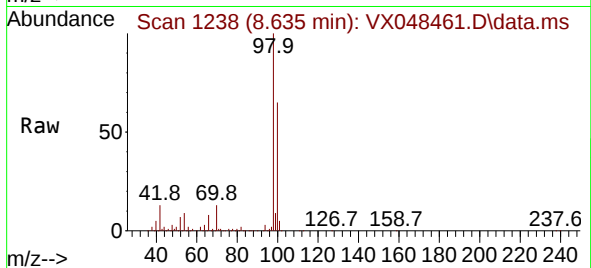




#50
Toluene-d8
Concen: 43.320 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

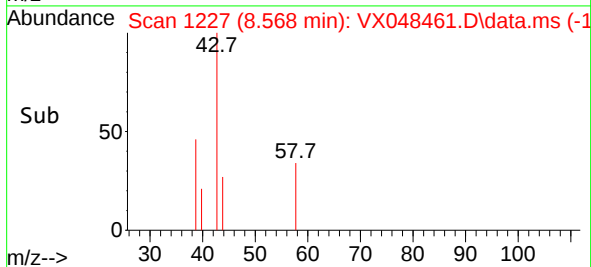
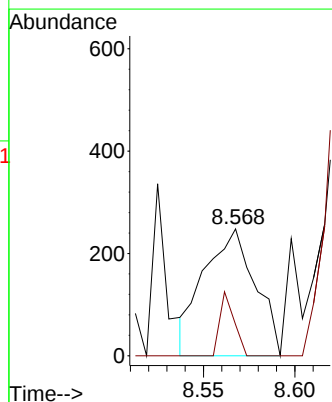
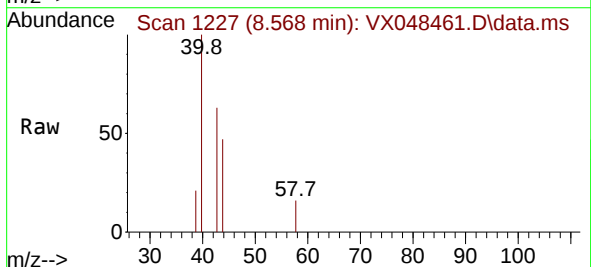
Instrument :
MSVOA_X
ClientSampleId :

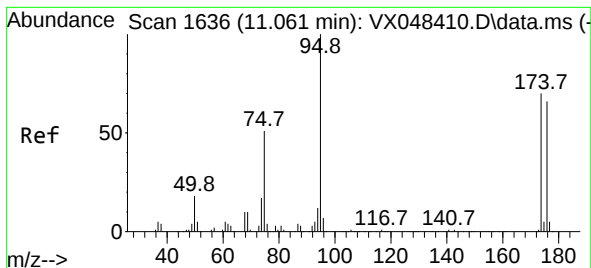
Tgt Ion: 98 Resp: 245200
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 0.288 ug/l
RT: 8.568 min Scan# 1227
Delta R.T. 0.012 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
58 14.0 29.5 44.3#

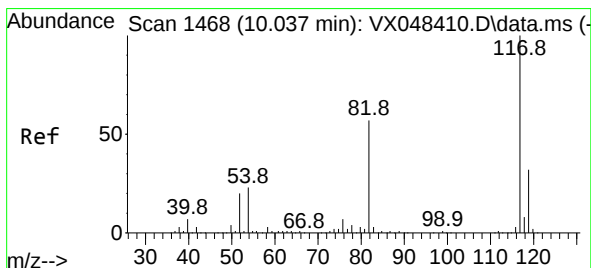
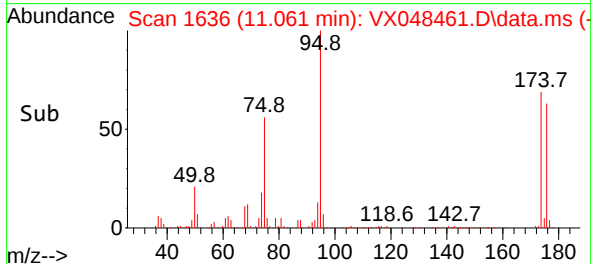
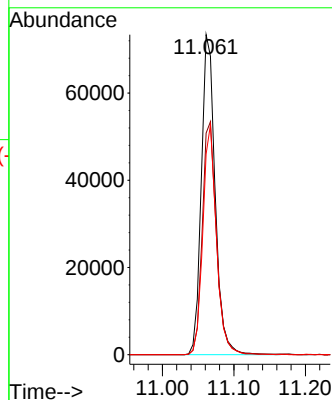
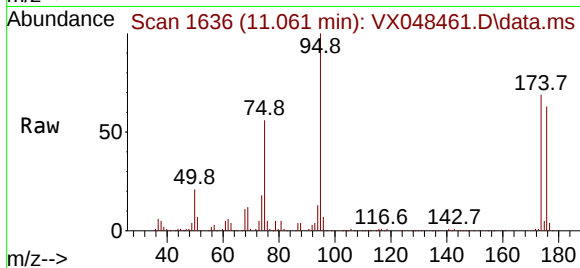




#62
4-Bromofluorobenzene
Concen: 46.523 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

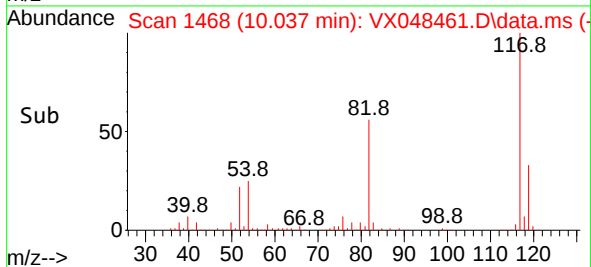
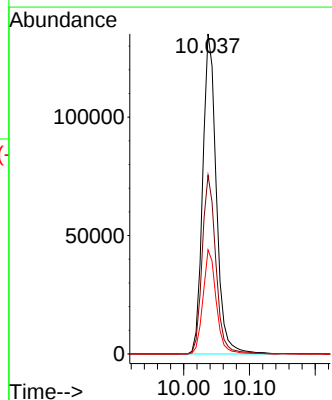
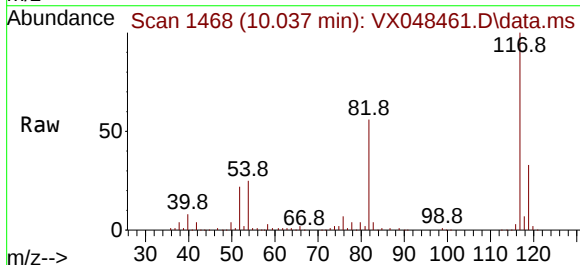
Instrument :
MSVOA_X
ClientSampleId :

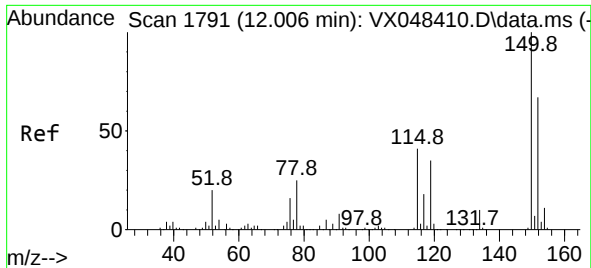
Tgt Ion: 95 Resp: 98508
Ion Ratio Lower Upper
95 100
174 74.5 0.0 147.8
176 70.9 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048461.D
Acq: 03 Nov 2025 16:42

Tgt Ion: 117 Resp: 194975
Ion Ratio Lower Upper
117 100
82 55.9 46.5 69.7
119 32.6 25.9 38.9

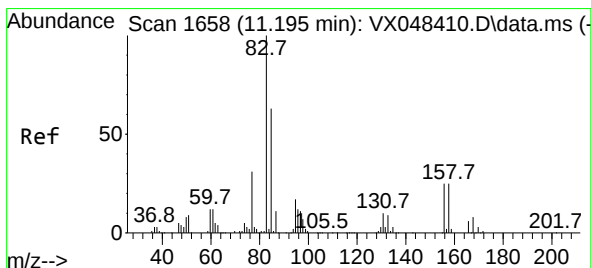
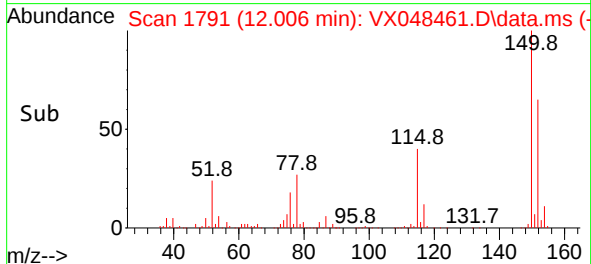
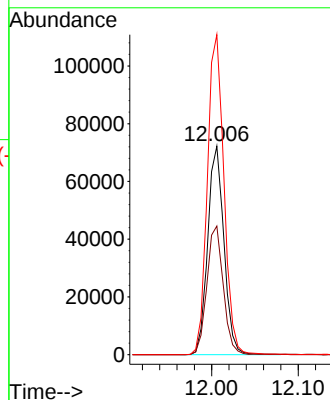
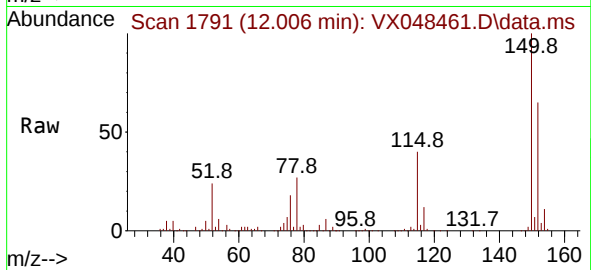




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX048461.D
 Acq: 03 Nov 2025 16:42

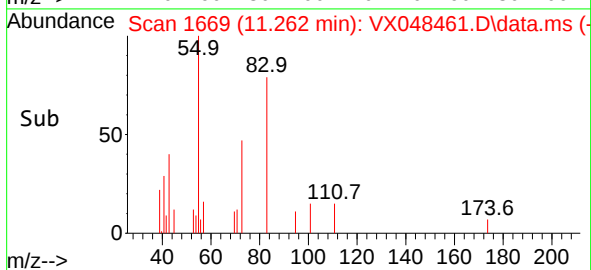
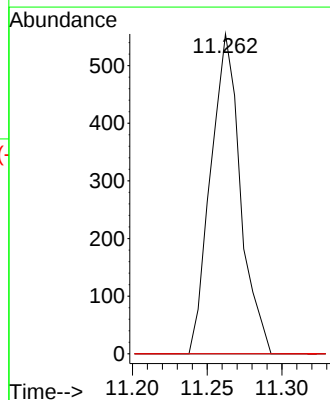
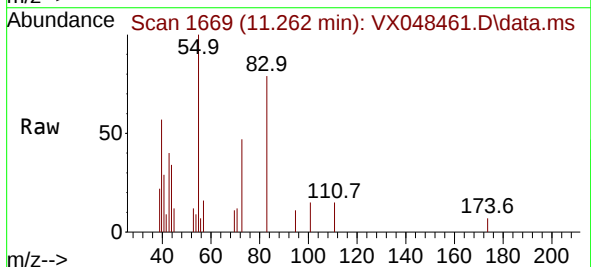
Instrument :
 MSVOA_X
 ClientSampleId :

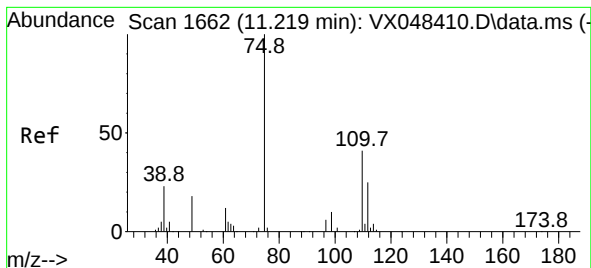
Tgt Ion:152 Resp: 94137
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.1 129.4
 150 156.5 0.0 353.0



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.435 ug/l
 RT: 11.262 min Scan# 1669
 Delta R.T. 0.067 min
 Lab File: VX048461.D
 Acq: 03 Nov 2025 16:42

Tgt Ion: 83 Resp: 768
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.8 14.4#
 85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 40.415 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX048461.D

Acq: 03 Nov 2025 16:42

Instrument :

MSVOA_X

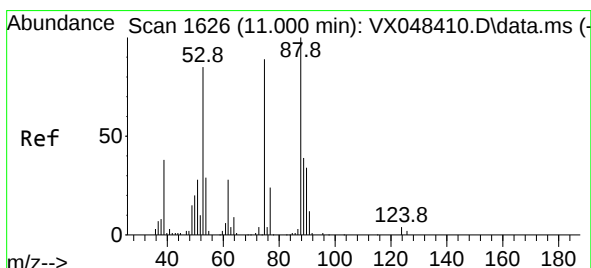
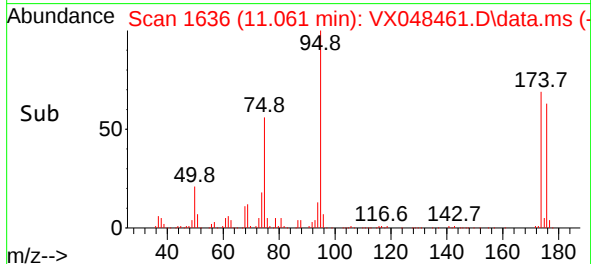
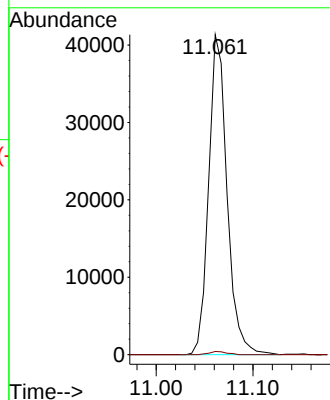
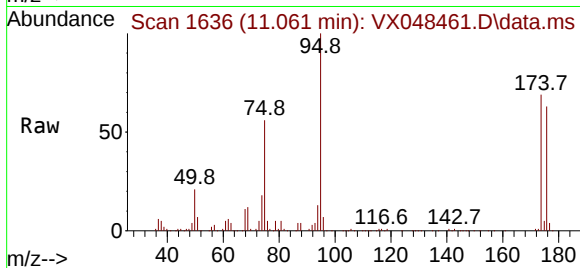
ClientSampleId :

Tgt Ion: 75 Resp: 54714

Ion Ratio Lower Upper

75 100

77 1.0 22.4 67.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 139.860 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048461.D

Acq: 03 Nov 2025 16:42

Tgt Ion: 75 Resp: 54714

Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 36.8 55.2#

