

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048533.D
 Acq On : 10 Nov 2025 12:58
 Operator : JC/MD
 Sample : Q3573-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:45:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

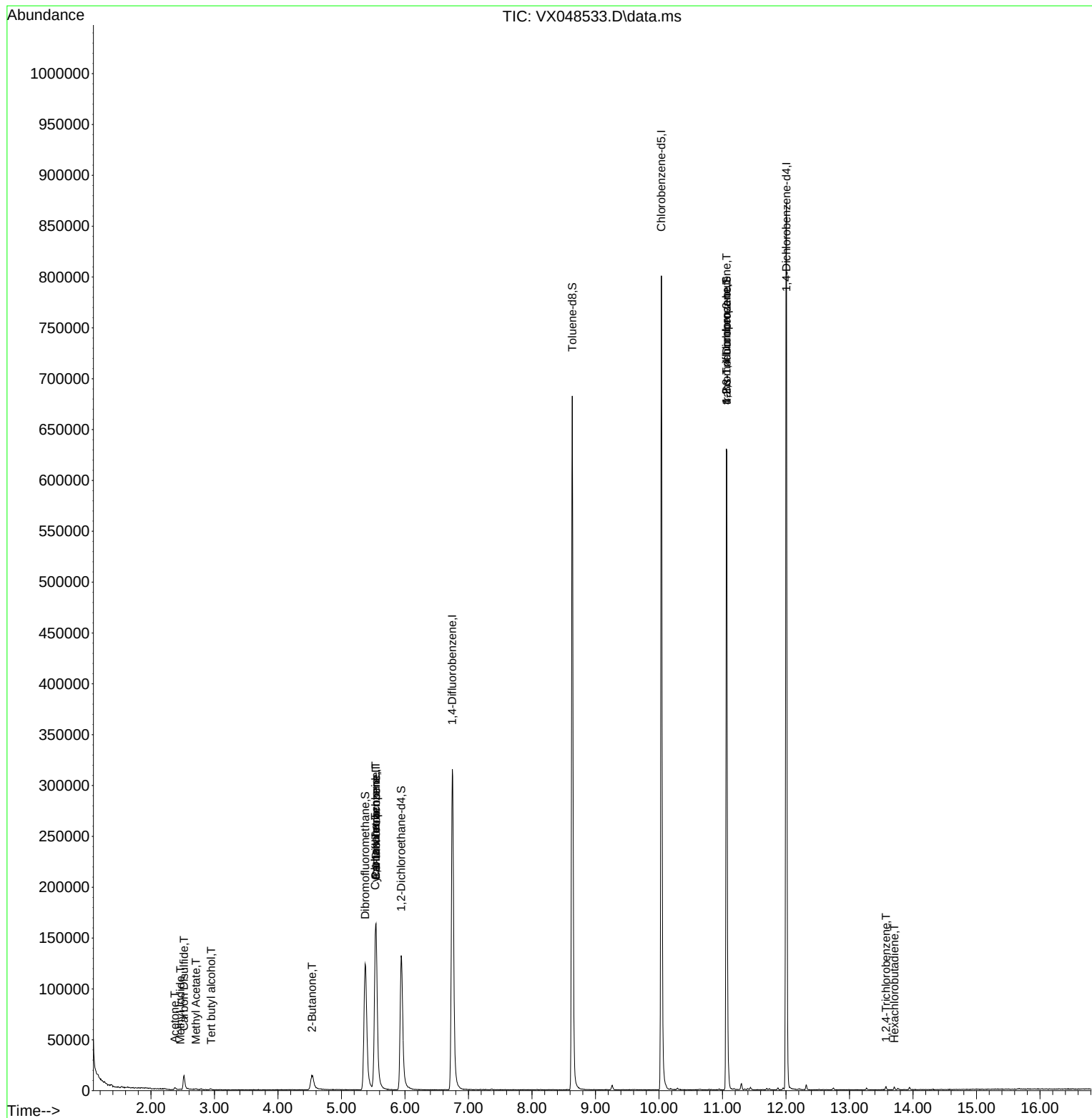
Internal Standards						
1) Pentafluorobenzene	5.544	168	177862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	361031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	373583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	199089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	146410	59.075	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.160%#			
35) Dibromofluoromethane	5.373	113	126210	46.188	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.380%			
50) Toluene-d8	8.635	98	432110	50.704	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.061	95	186624	58.761	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.520%			
Target Compounds						Qvalue
10) Methyl Iodide	2.465	142	752	0.256	ug/l #	76
11) Tert butyl alcohol	2.947	59	176	0.375	ug/l #	71
16) Acetone	2.374	43	2695	2.297	ug/l	92
17) Carbon Disulfide	2.520	76	1183	0.203	ug/l #	94
18) Methyl Acetate	2.709	43	1108	0.344	ug/l #	79
25) 2-Butanone	4.538	43	803	0.463	ug/l #	48
31) Cyclohexane	5.532	56	3514	1.056	ug/l #	13
36) 1,1-Dichloropropene	5.544	75	13705	3.746	ug/l #	45
38) Carbon Tetrachloride	5.538	117	17919	4.302	ug/l #	16
76) 1,2,3-Trichloropropane	11.061	75	91263	19.028	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	91263	54.425	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.573	180	991	0.222	ug/l	93
94) Hexachlorobutadiene	13.707	225	563	0.302	ug/l	87

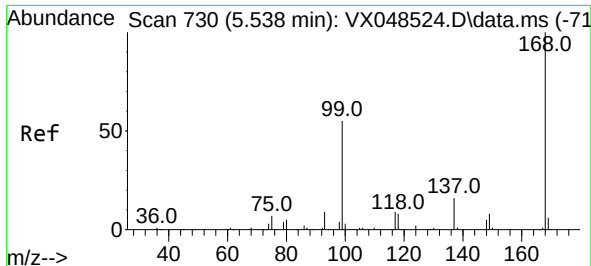
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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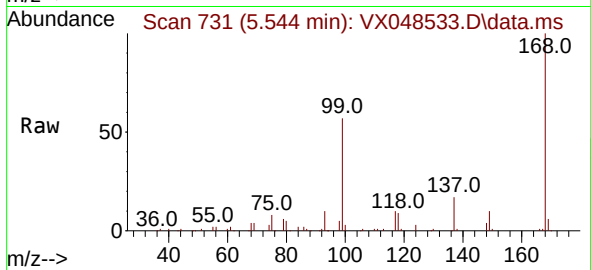
Quant Time: Nov 11 00:45:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
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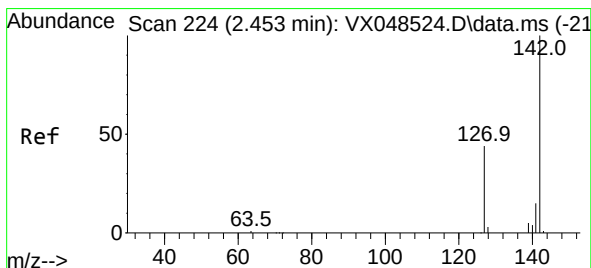
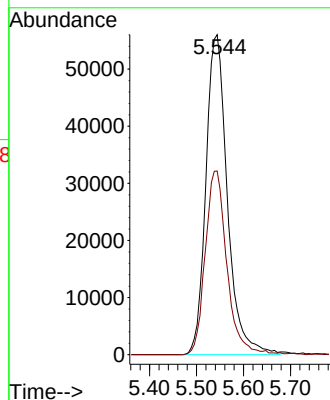
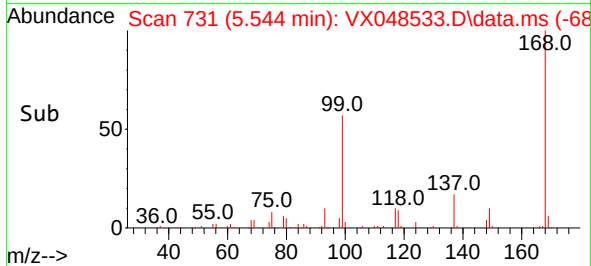


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

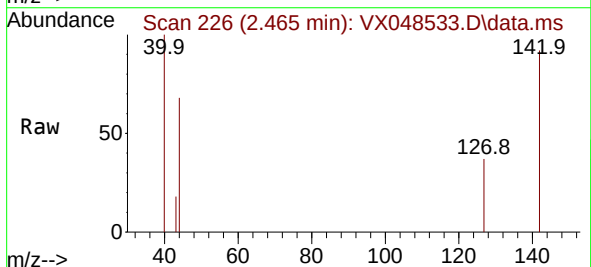
Instrument :
MSVOA_X
ClientSampleId :



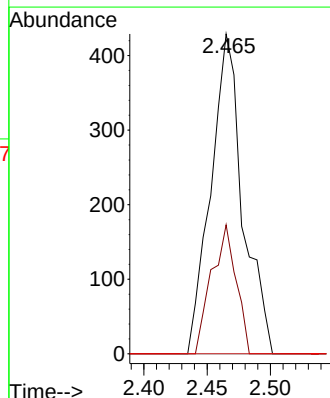
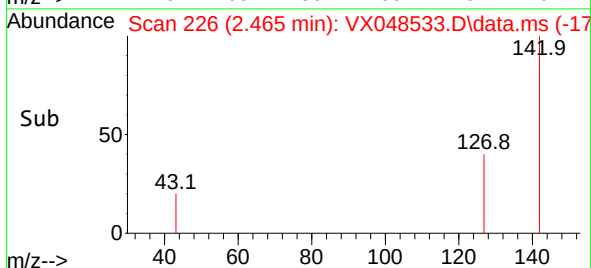
Tgt Ion:168 Resp: 177862
Ion Ratio Lower Upper
168 100
99 57.4 45.2 67.8

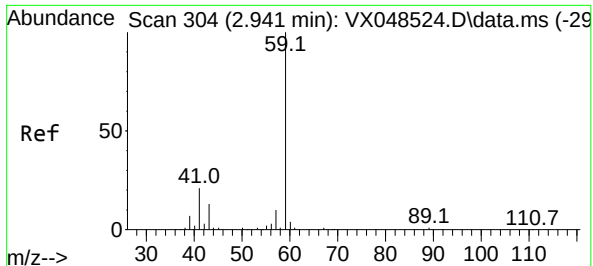


#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58



Tgt Ion:142 Resp: 752
Ion Ratio Lower Upper
142 100
127 31.1 35.8 53.6#
141 0.0 11.4 17.0#





#11

Tert butyl alcohol

Concen: 0.375 ug/l

RT: 2.947 min Scan# 304

Delta R.T. 0.006 min

Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

Instrument :

MSVOA_X

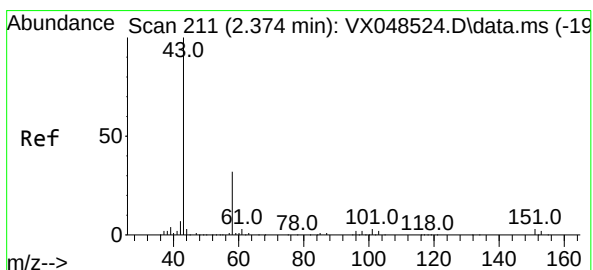
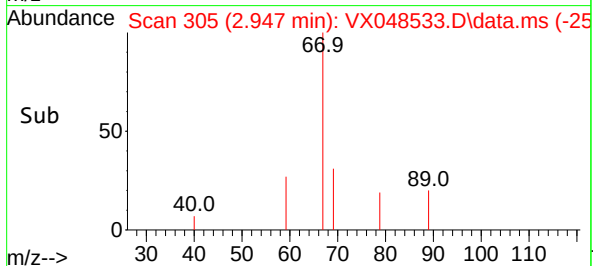
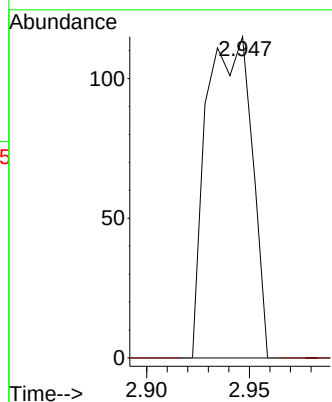
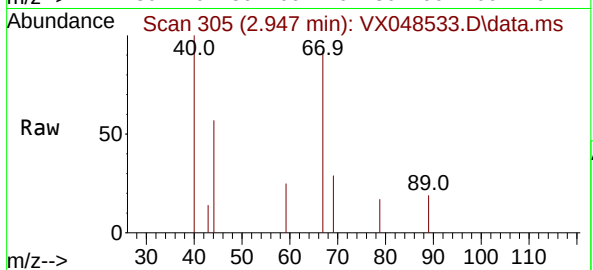
ClientSampleId :

Tgt Ion: 59 Resp: 176

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 2.297 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048533.D

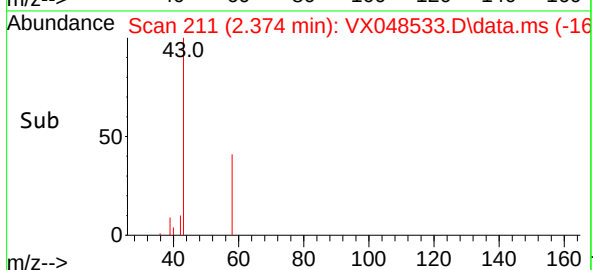
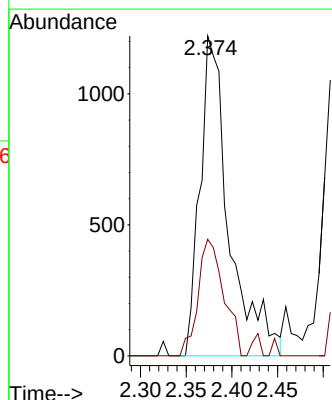
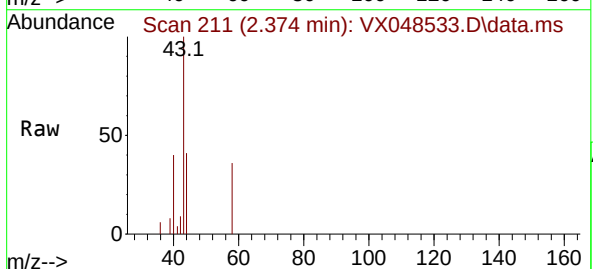
Acq: 10 Nov 2025 12:58

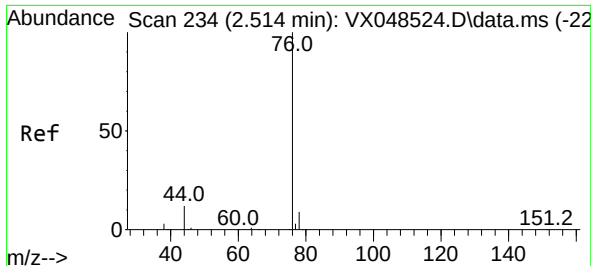
Tgt Ion: 43 Resp: 2695

Ion Ratio Lower Upper

43 100

58 36.4 25.8 38.6

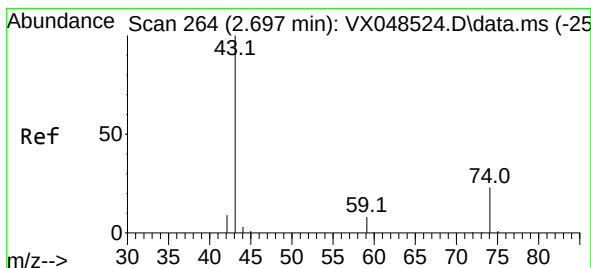
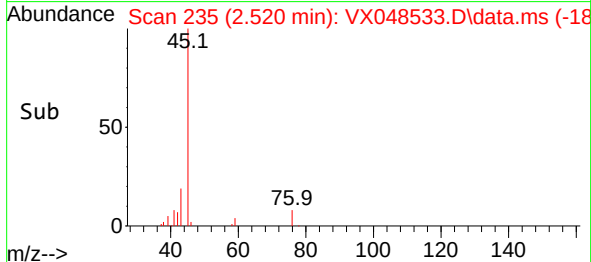
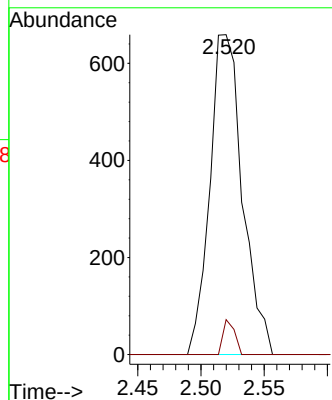
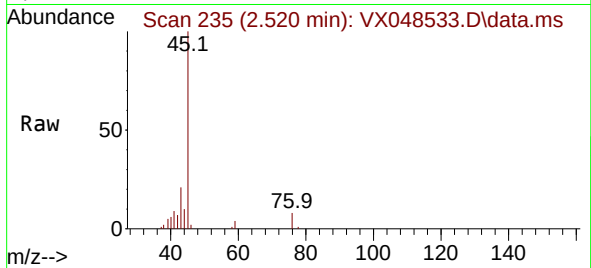




#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

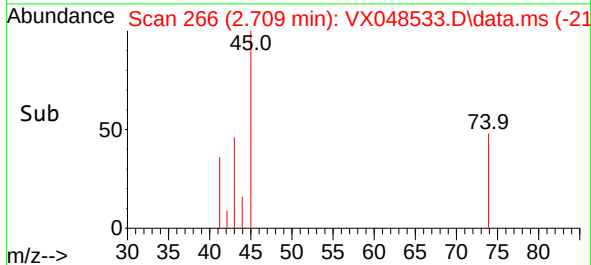
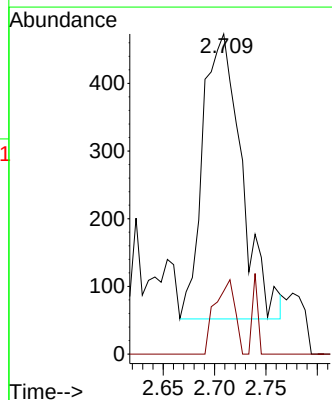
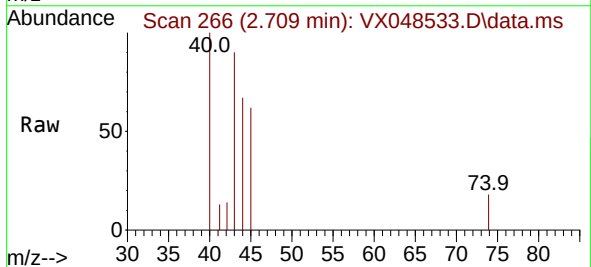
Instrument :
MSVOA_X
ClientSampleId :

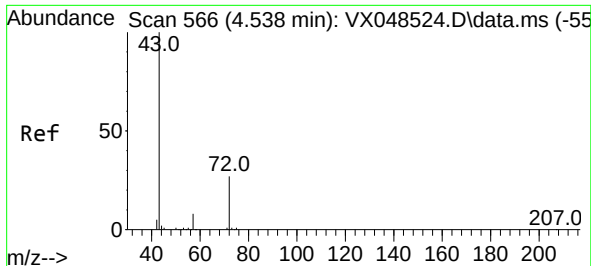
Tgt Ion: 76 Resp: 1183
Ion Ratio Lower Upper
76 100
78 10.9 7.1 10.7#



#18
Methyl Acetate
Concen: 0.344 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

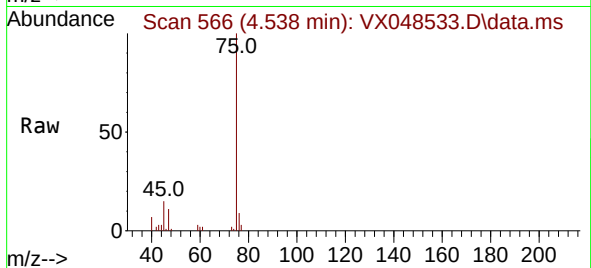
Tgt Ion: 43 Resp: 1108
Ion Ratio Lower Upper
43 100
74 13.4 19.1 28.7#



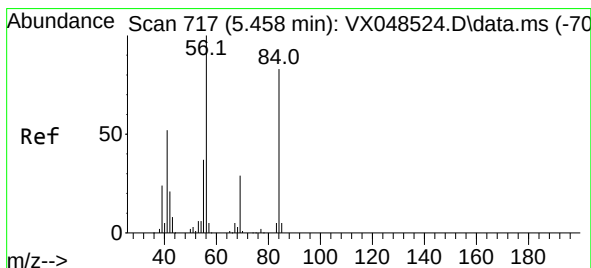
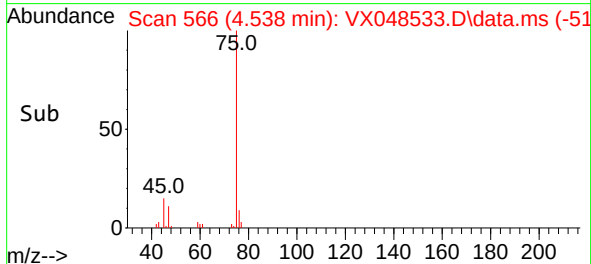
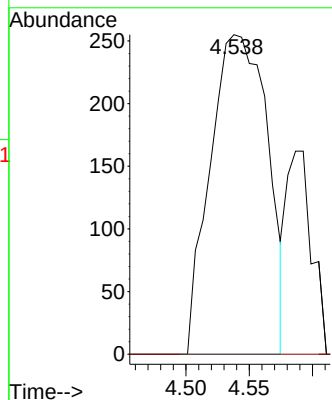


#25
2-Butanone
Concen: 0.463 ug/l
RT: 4.538 min Scan# 501
Delta R.T. -0.000 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :

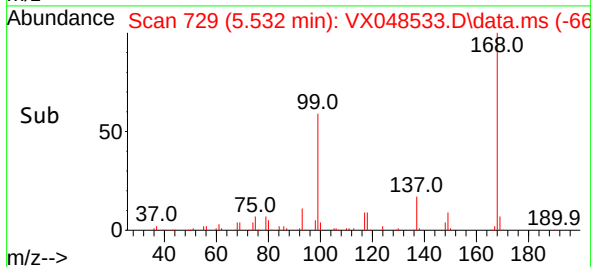
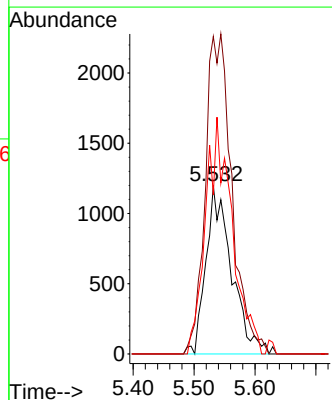
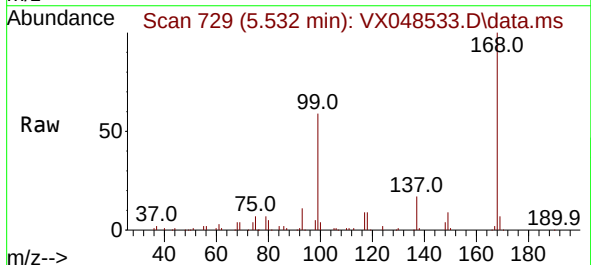


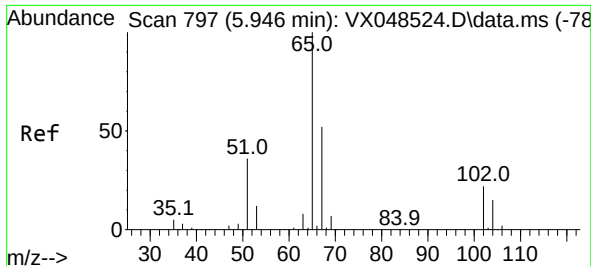
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#



#31
Cyclohexane
Concen: 1.056 ug/l
RT: 5.532 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

Tgt Ion: 56 Resp: 3514
Ion Ratio Lower Upper
56 100
69 188.6 23.4 35.2#
84 94.6 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 59.075 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

Instrument :

MSVOA_X

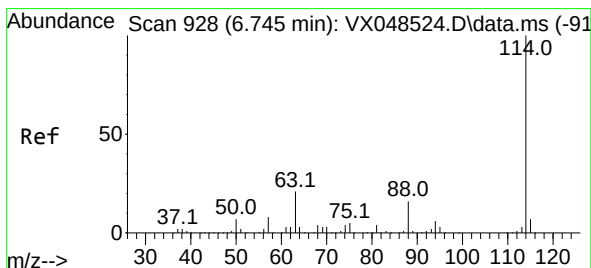
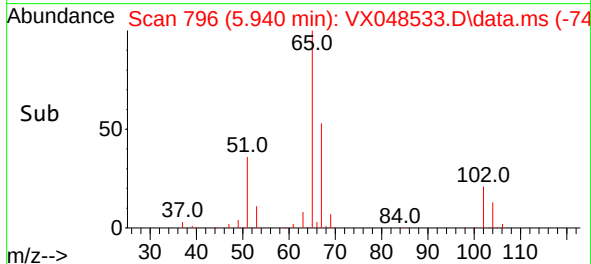
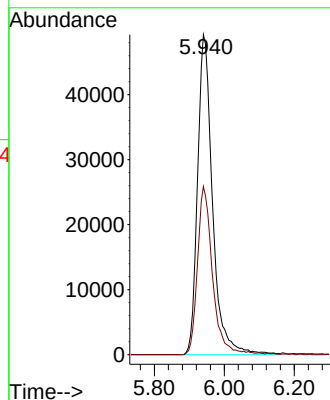
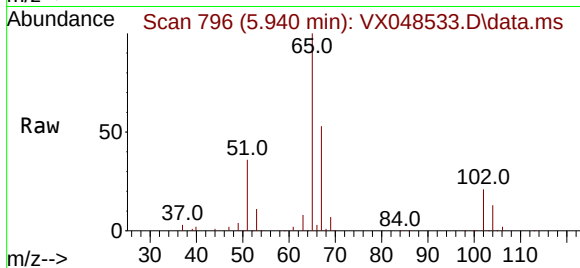
ClientSampleId :

Tgt Ion: 65 Resp: 146410

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

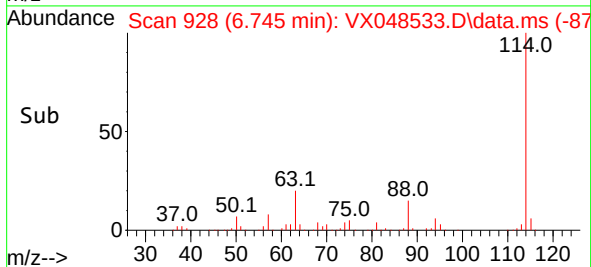
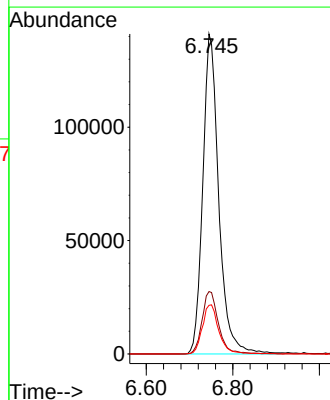
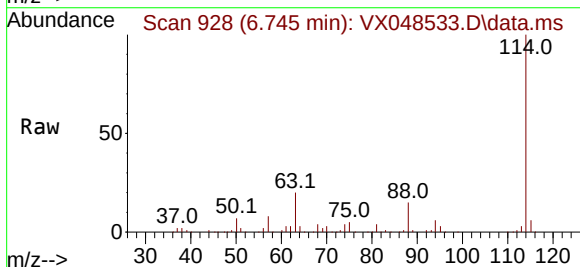
Tgt Ion: 114 Resp: 361031

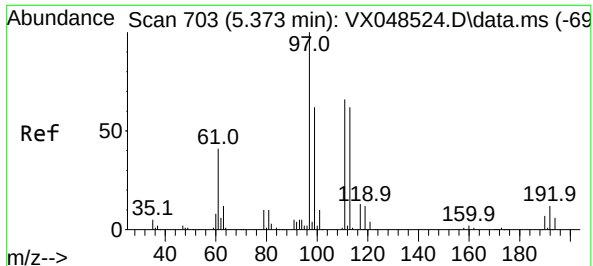
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

88 15.2 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.188 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

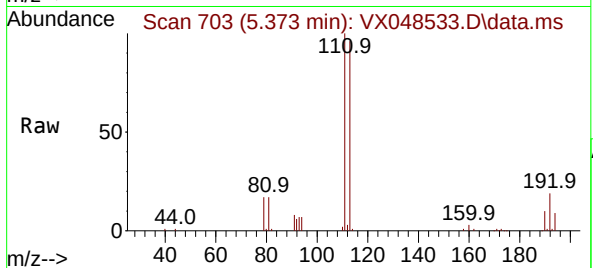
Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :



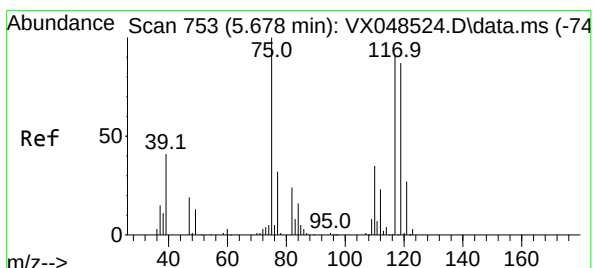
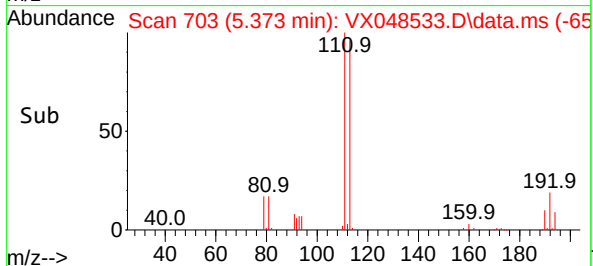
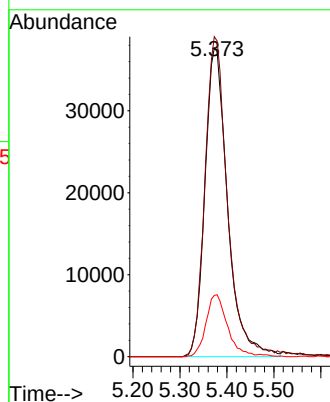
Tgt Ion:113 Resp: 126210

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 18.9 15.8 23.6



#36

1,1-Dichloropropene

Concen: 3.746 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

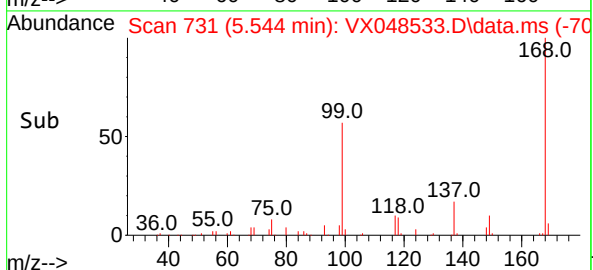
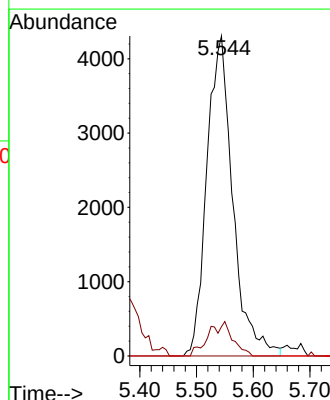
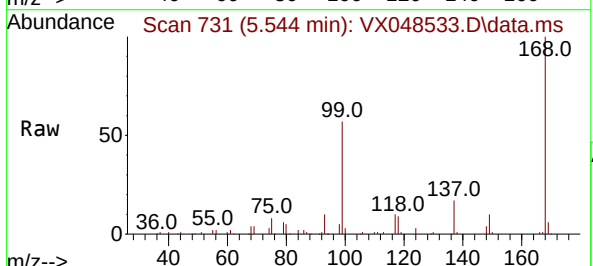
Tgt Ion: 75 Resp: 13705

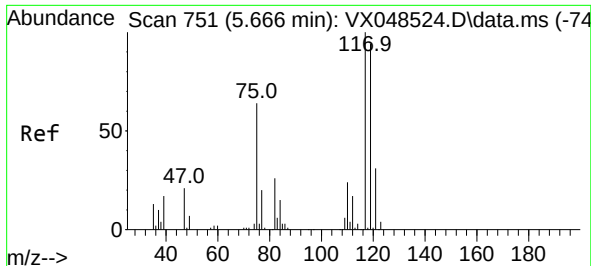
Ion Ratio Lower Upper

75 100

110 4.9 18.4 55.4#

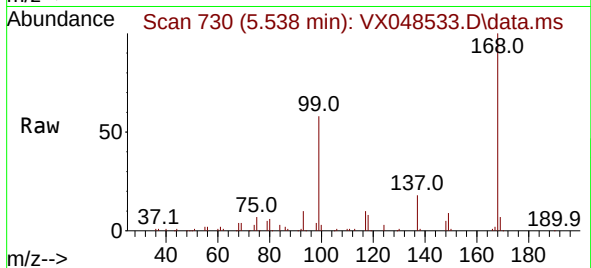
77 0.0 24.6 37.0#



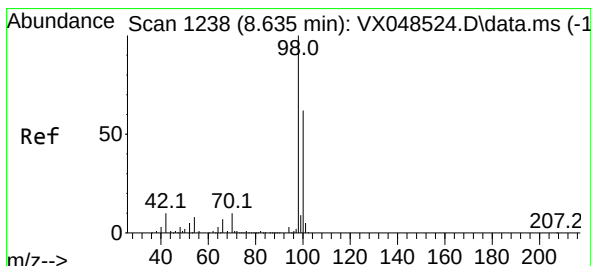
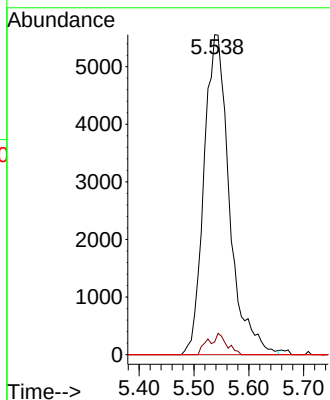
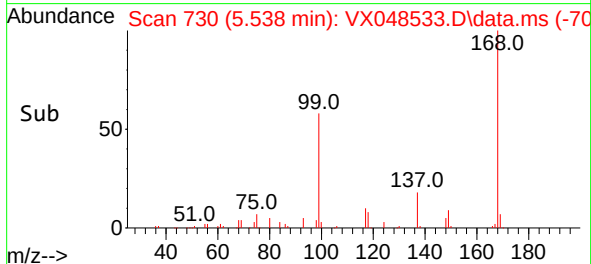


#38
Carbon Tetrachloride
Concen: 4.302 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

Instrument :
MSVOA_X
ClientSampleId :

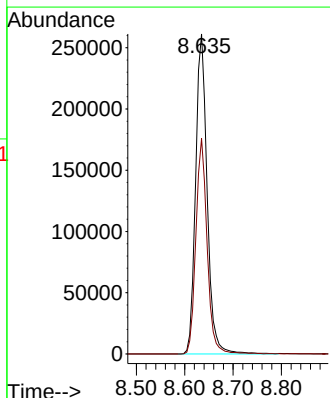
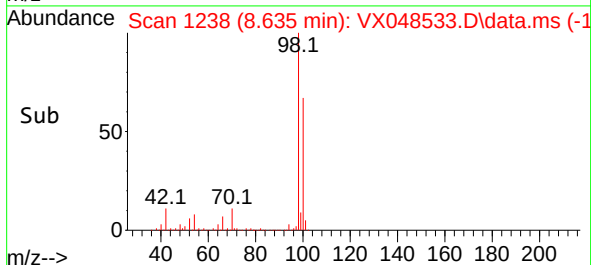
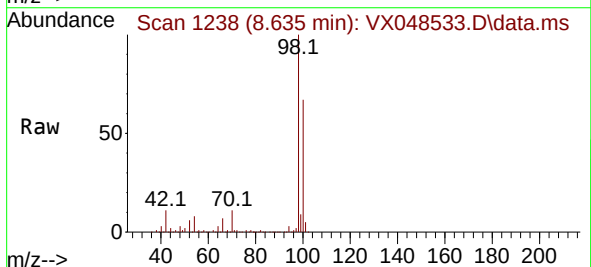


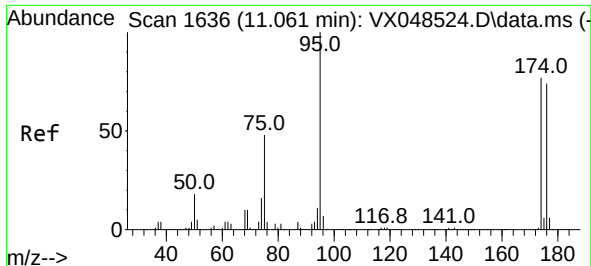
Tgt Ion:117 Resp: 17919
Ion Ratio Lower Upper
117 100
119 4.0 74.5 111.7#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.704 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

Tgt Ion: 98 Resp: 432110
Ion Ratio Lower Upper
98 100
100 65.7 53.6 80.4

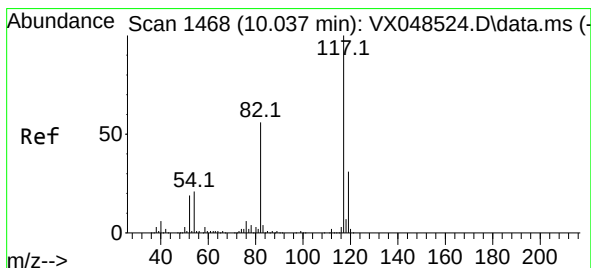
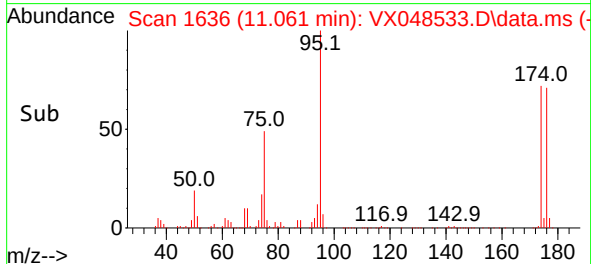
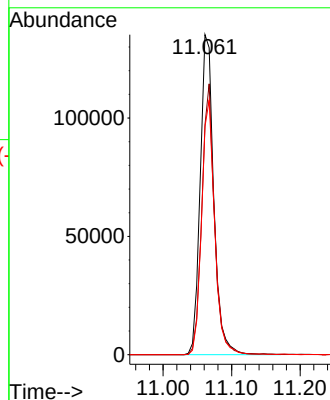
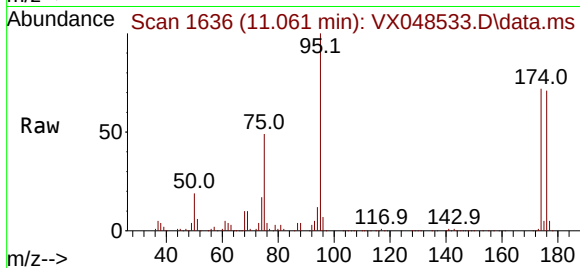




#62
4-Bromofluorobenzene
Concen: 58.761 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

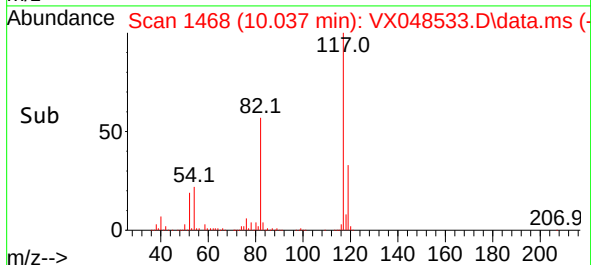
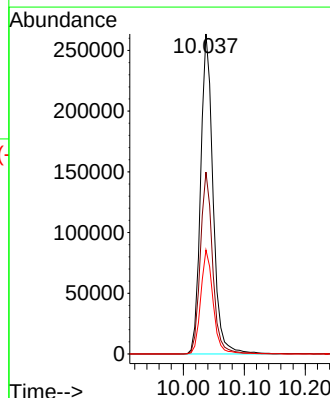
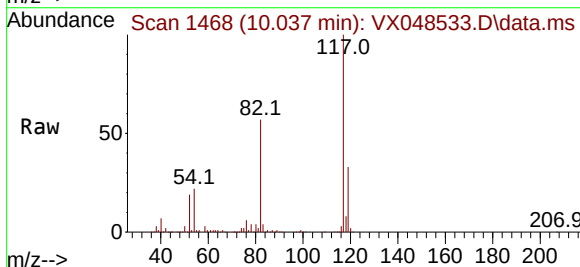
Instrument :
MSVOA_X
ClientSampleId :

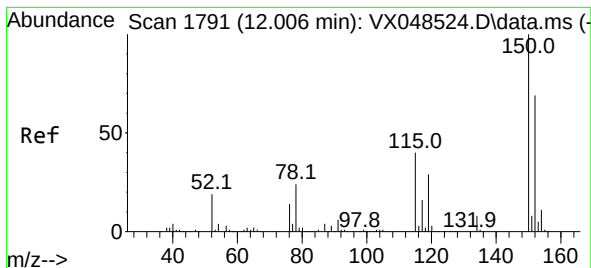
Tgt Ion: 95 Resp: 186624
Ion Ratio Lower Upper
95 100
174 79.4 0.0 161.8
176 76.8 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

Tgt Ion:117 Resp: 373583
Ion Ratio Lower Upper
117 100
82 56.9 44.4 66.6
119 32.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :

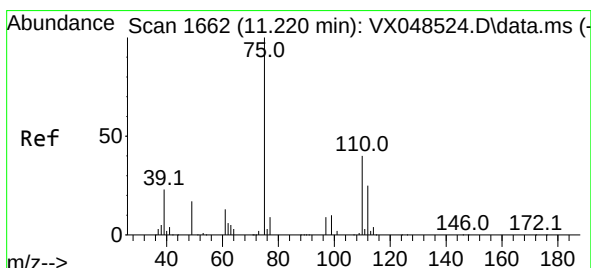
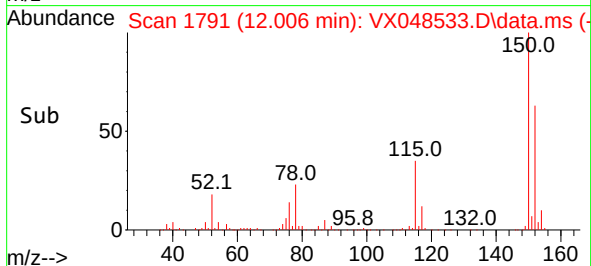
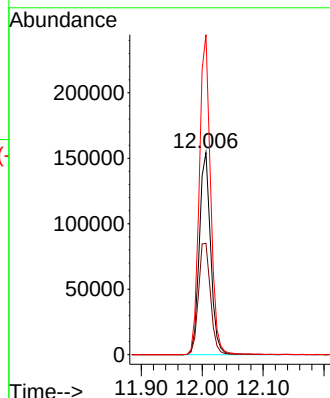
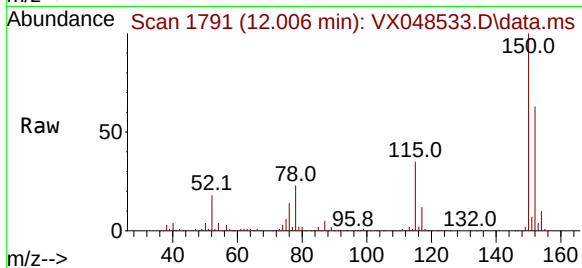
Tgt Ion:152 Resp: 199089

Ion Ratio Lower Upper

152 100

115 58.5 39.2 117.6

150 157.3 0.0 347.0



#76

1,2,3-Trichloropropane

Concen: 19.028 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048533.D

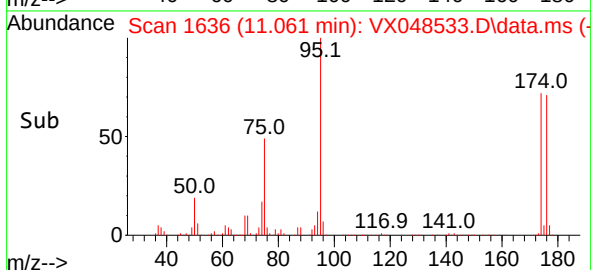
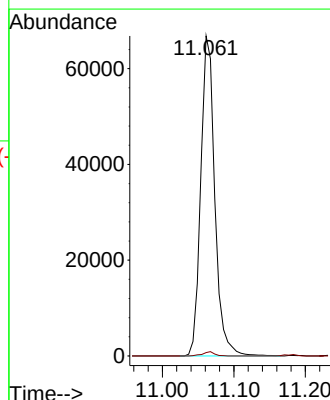
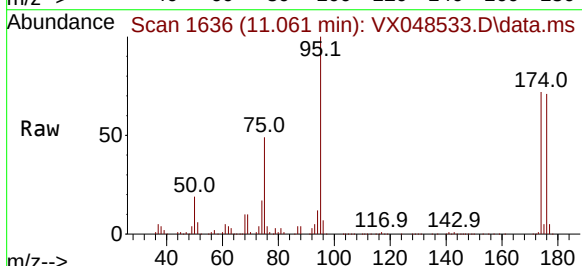
Acq: 10 Nov 2025 12:58

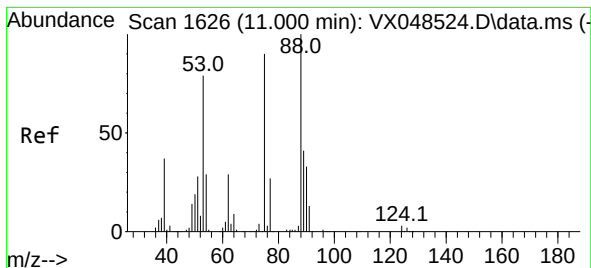
Tgt Ion: 75 Resp: 91263

Ion Ratio Lower Upper

75 100

77 1.1 24.3 72.8#

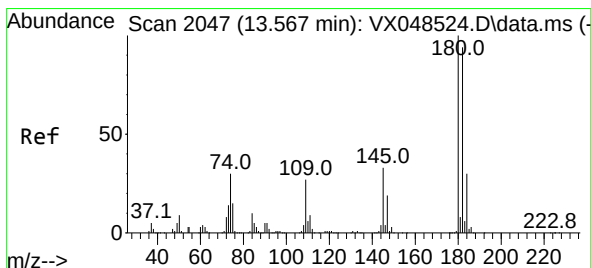
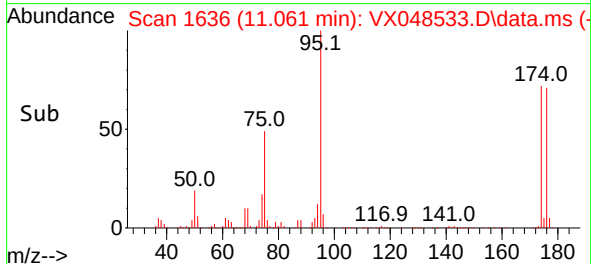
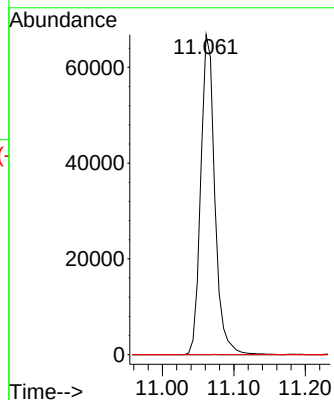
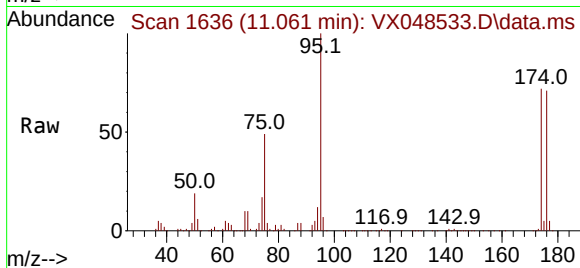




#81
trans-1,4-Dichloro-2-butene
Concen: 54.425 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

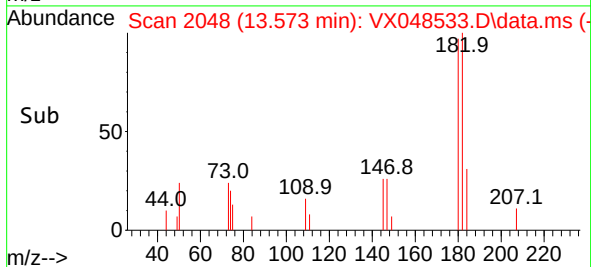
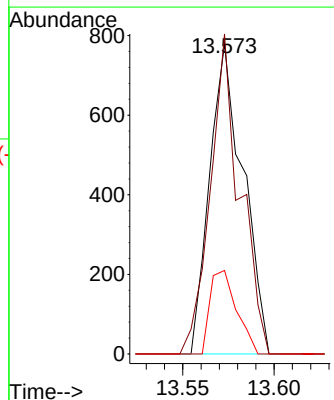
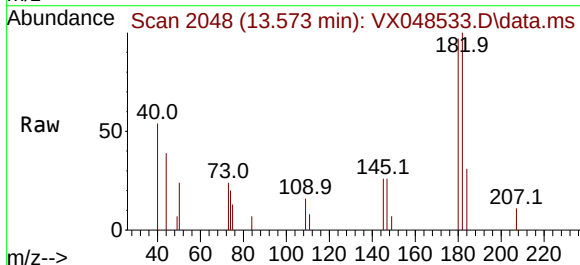
Instrument :
MSVOA_X
ClientSampleId :

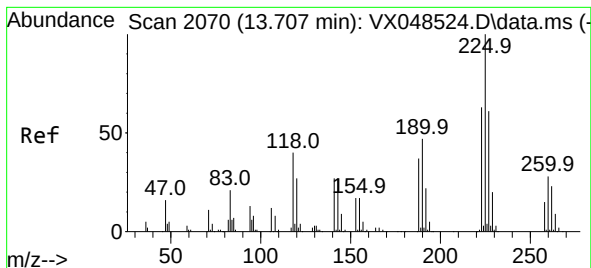
Tgt Ion: 75 Resp: 91263
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#93
1,2,4-Trichlorobenzene
Concen: 0.222 ug/l
RT: 13.573 min Scan# 2048
Delta R.T. 0.006 min
Lab File: VX048533.D
Acq: 10 Nov 2025 12:58

Tgt Ion:180 Resp: 991
Ion Ratio Lower Upper
180 100
182 91.5 47.5 142.6
145 21.5 15.9 47.7





#94

Hexachlorobutadiene

Concen: 0.302 ug/l

RT: 13.707 min Scan# 20

Delta R.T. -0.000 min

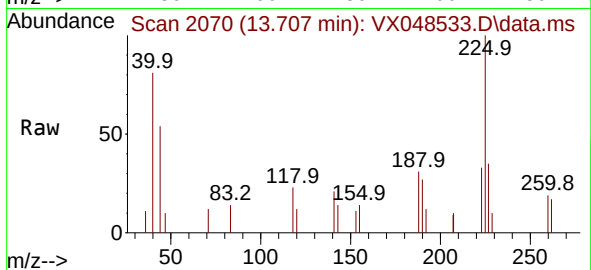
Lab File: VX048533.D

Acq: 10 Nov 2025 12:58

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:225 Resp: 563

Ion Ratio Lower Upper

225 100

223 45.1 30.6 92.0

227 61.1 32.5 97.4

