

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048539.D
 Acq On : 10 Nov 2025 15:06
 Operator : JC/MD
 Sample : Q3584-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:47:30 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)

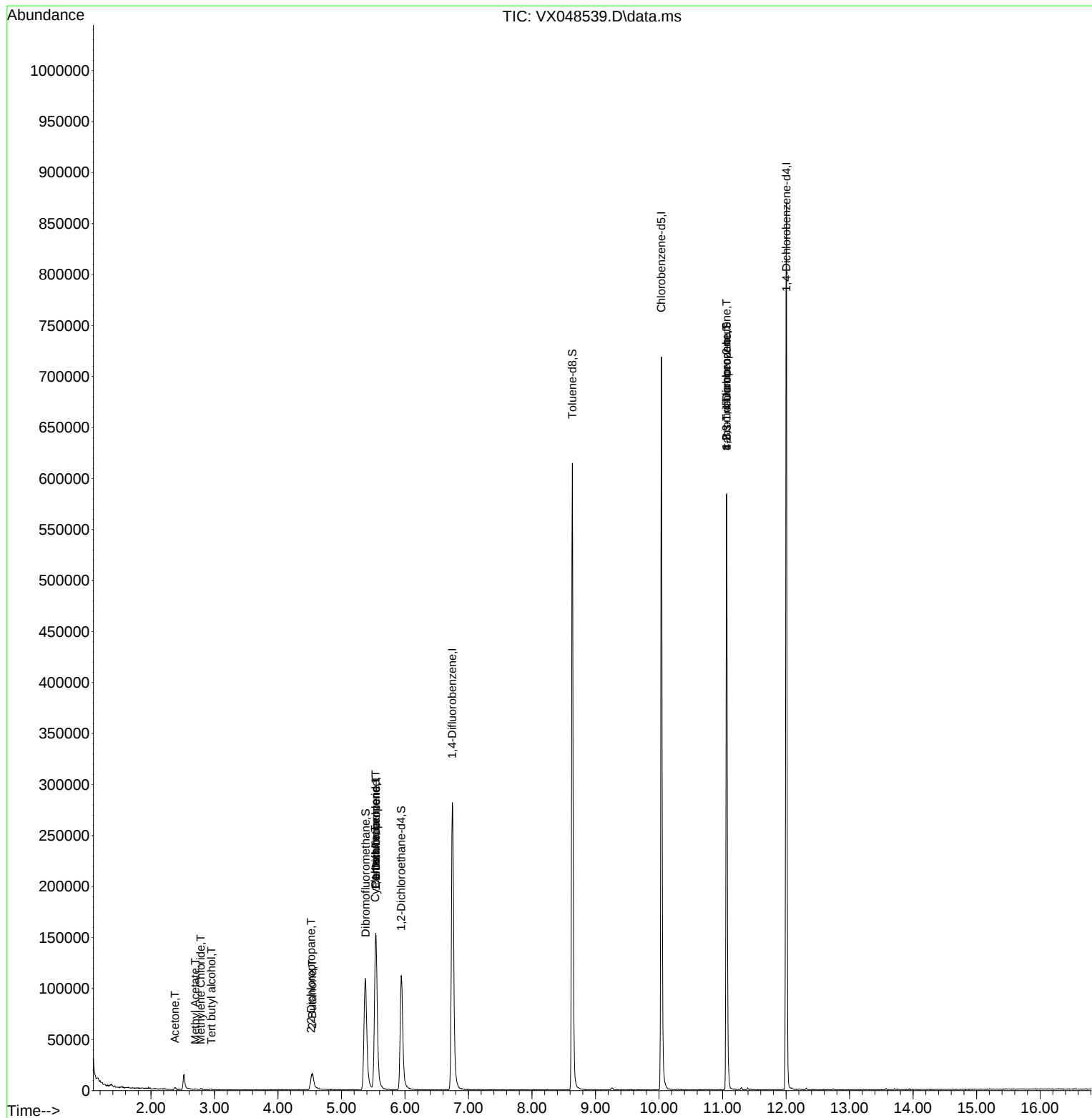
Internal Standards						
1) Pentafluorobenzene	5.538	168	166567	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	331464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	343876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	121885	52.514	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.020%		
35) Dibromofluoromethane	5.379	113	110982	44.238	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 88.480%		
50) Toluene-d8	8.635	98	384880	49.190	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.380%		
62) 4-Bromofluorobenzene	11.061	95	175272	60.110	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 120.220%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	375	0.853	ug/l #	71
16) Acetone	2.380	43	3224	2.935	ug/l #	71
18) Methyl Acetate	2.697	43	1221	0.404	ug/l #	56
20) Methylene Chloride	2.782	84	476	0.211	ug/l #	66
25) 2-Butanone	4.538	43	638	0.393	ug/l #	48
26) 2,2-Dichloropropane	4.519	77	744	0.229	ug/l #	52
31) Cyclohexane	5.531	56	2974	0.954	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	12871	3.831	ug/l #	48
38) Carbon Tetrachloride	5.538	117	16284	4.258	ug/l #	20
76) 1,2,3-Trichloropropane	11.061	75	85056	17.508	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.061	75	85056	50.078	ug/l #	12

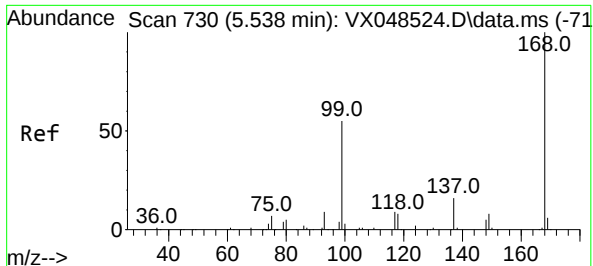
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
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Response via : Initial Calibration

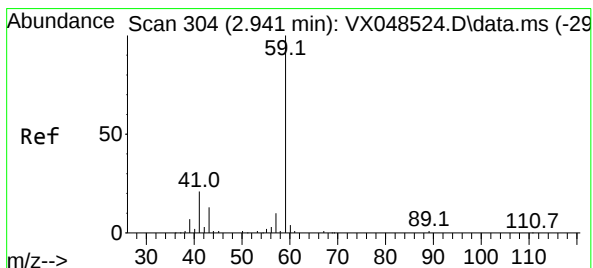
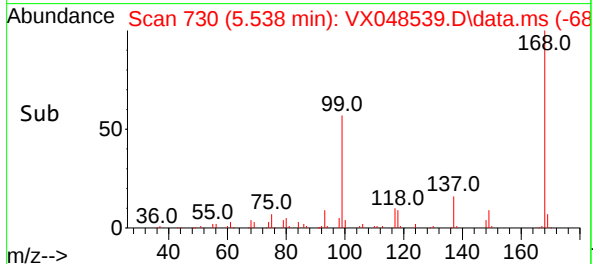
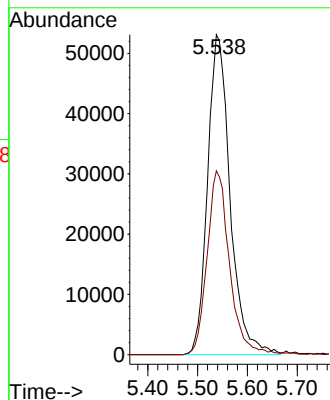
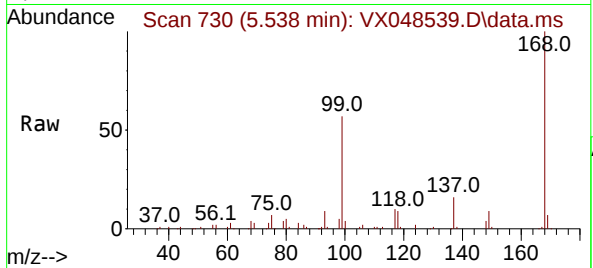




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

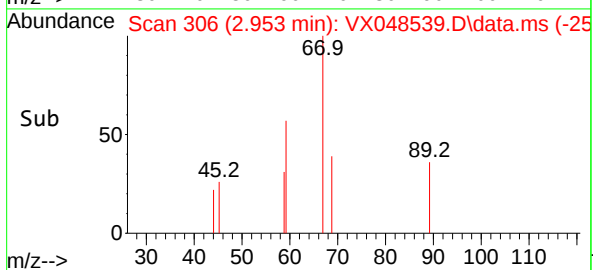
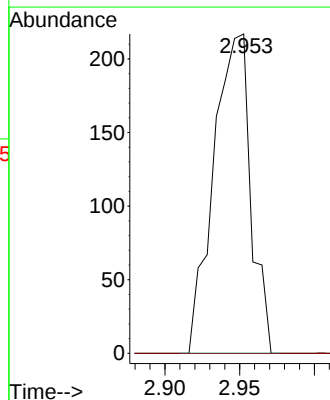
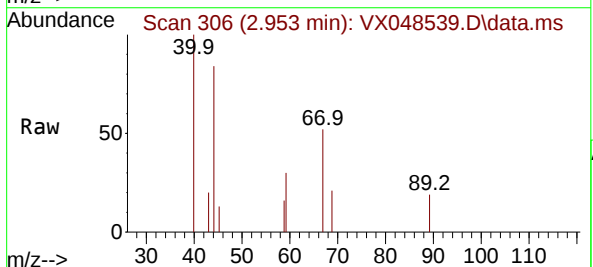
Instrument :
MSVOA_X
ClientSampleId :

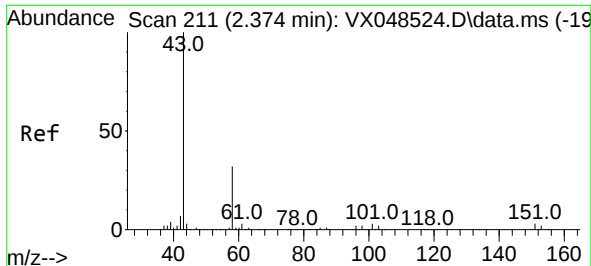
Tgt Ion:168 Resp: 166567
Ion Ratio Lower Upper
168 100
99 57.5 45.2 67.8



#11
Tert butyl alcohol
Concen: 0.853 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

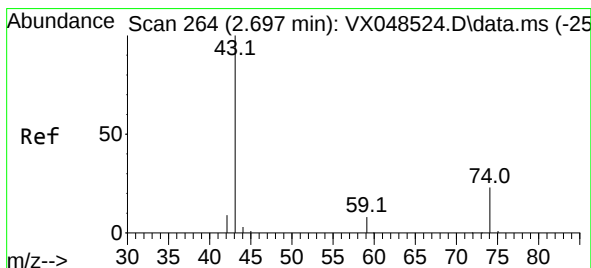
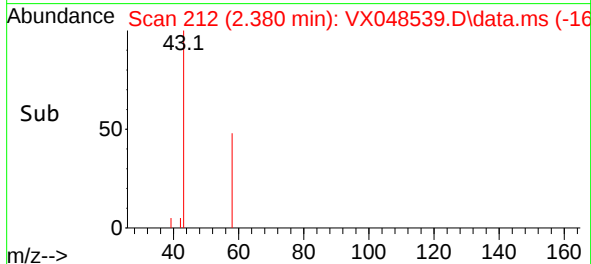
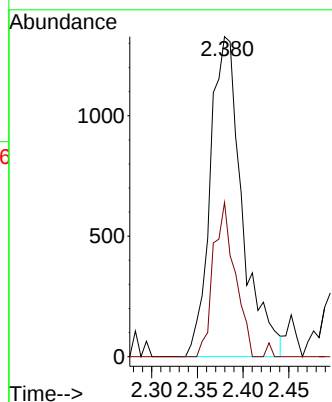
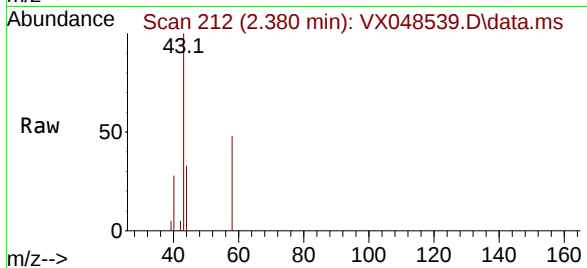




#16
Acetone
Concen: 2.935 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

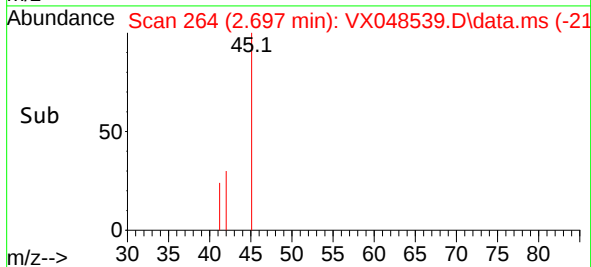
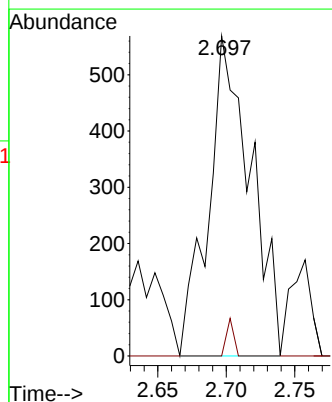
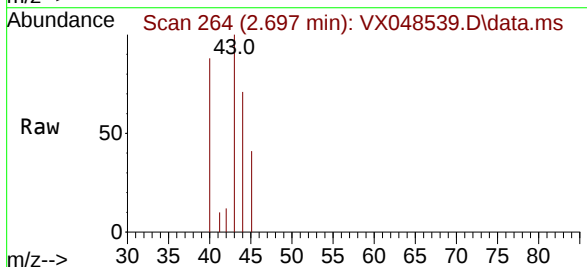
Instrument :
MSVOA_X
ClientSampleId :

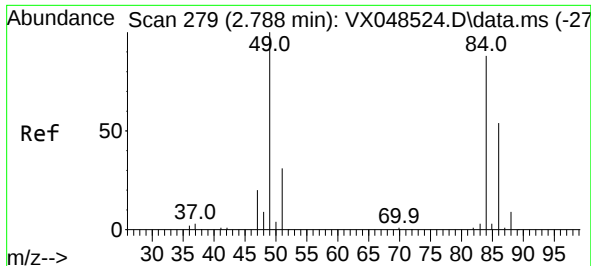
Tgt Ion: 43 Resp: 3224
Ion Ratio Lower Upper
43 100
58 48.2 25.8 38.6#



#18
Methyl Acetate
Concen: 0.404 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

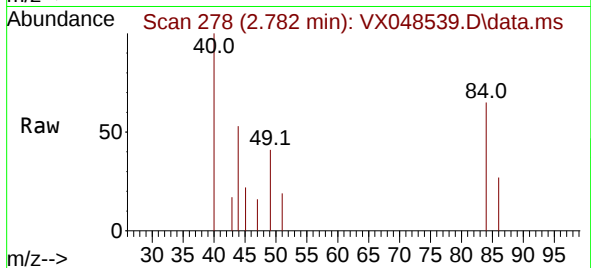
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
74 2.0 19.1 28.7#



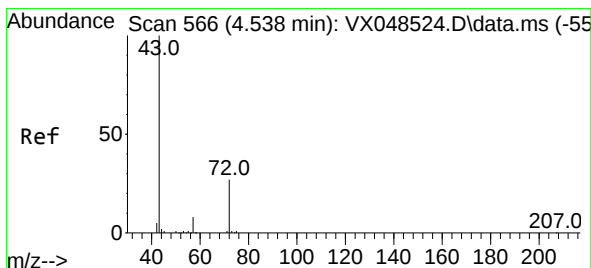
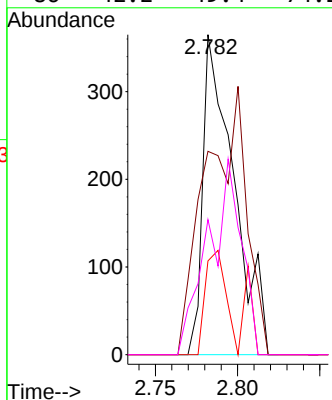
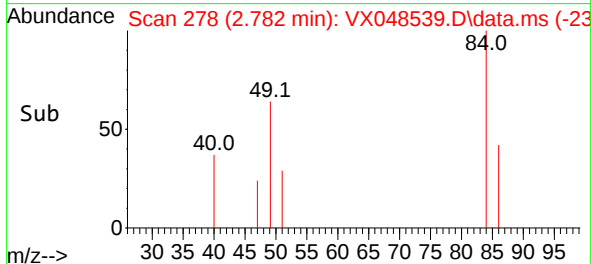


#20
Methylene Chloride
Concen: 0.211 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Instrument :
MSVOA_X
ClientSampleId :

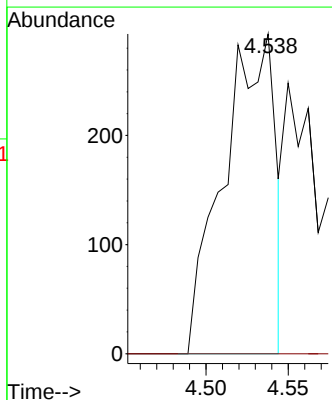
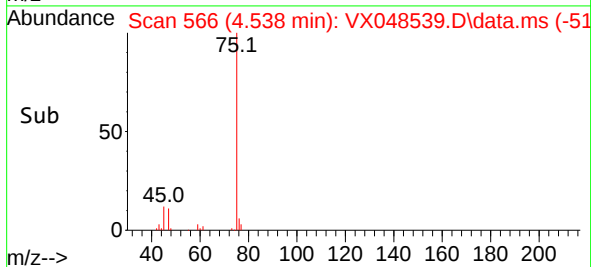
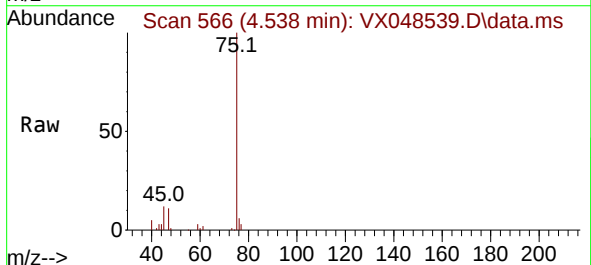


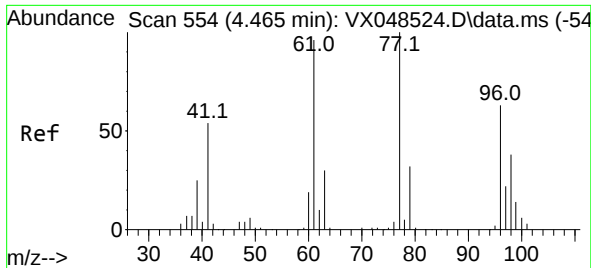
Tgt Ion:	84	Resp:	476
Ion	Ratio	Lower	Upper
84	100		
49	63.6	91.2	136.8#
51	29.3	28.3	42.5
86	42.2	49.4	74.2#



#25
2-Butanone
Concen: 0.393 ug/l
RT: 4.538 min Scan# 566
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion:	43	Resp:	638
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.5	32.3#

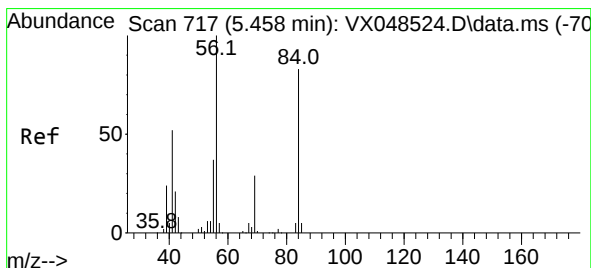
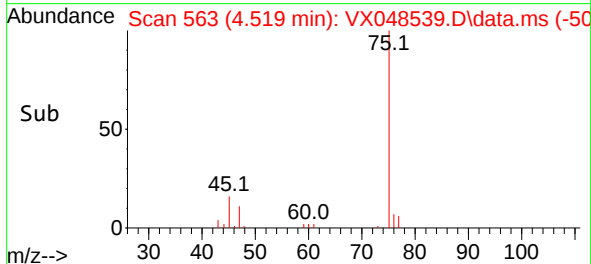
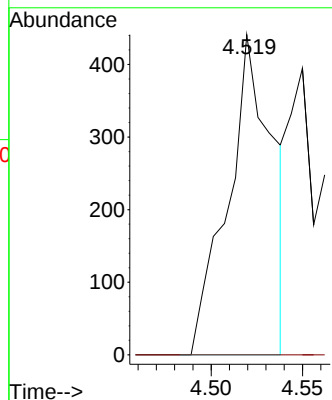
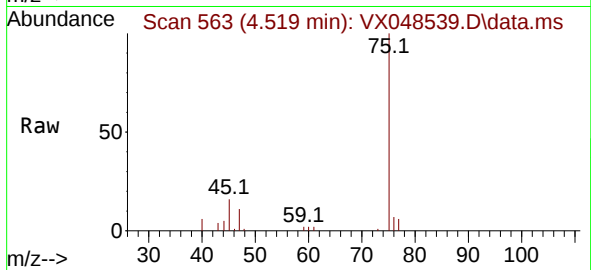




#26
2,2-Dichloropropane
Concen: 0.229 ug/l
RT: 4.519 min Scan# 50
Delta R.T. 0.055 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

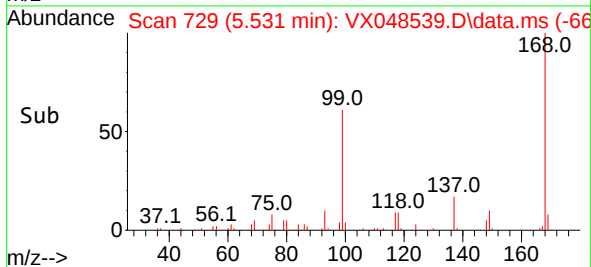
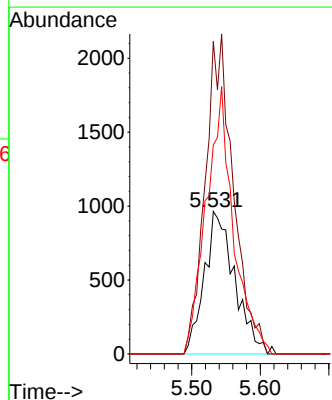
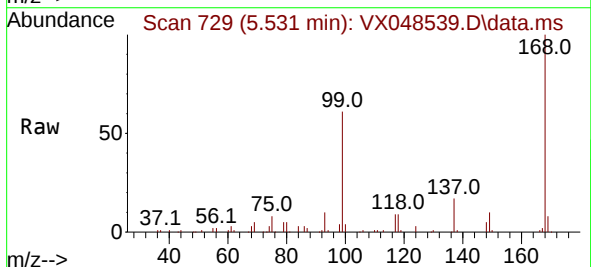
Instrument :
MSVOA_X
ClientSampleId :

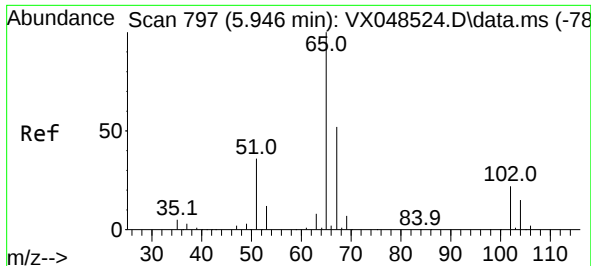
Tgt Ion: 77 Resp: 744
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 0.954 ug/l
RT: 5.531 min Scan# 729
Delta R.T. 0.073 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion: 56 Resp: 2974
Ion Ratio Lower Upper
56 100
69 219.2 23.4 35.2#
84 146.6 66.3 99.5#

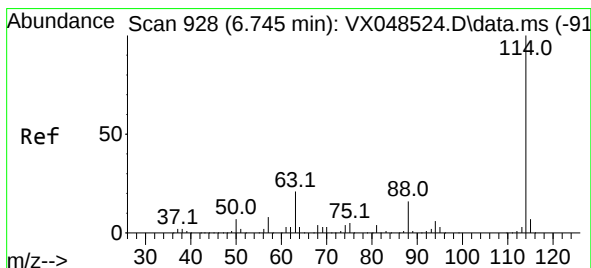
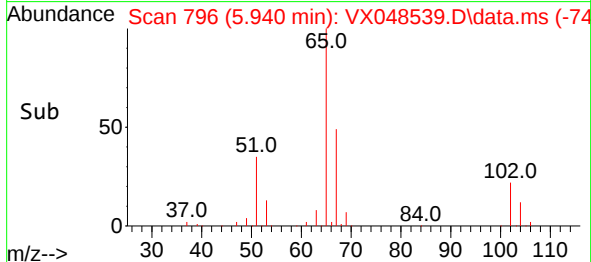
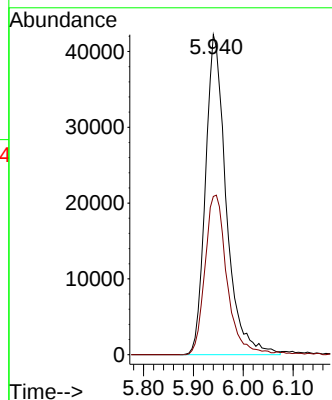
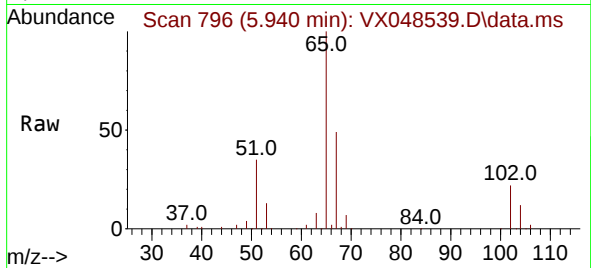




#33
 1,2-Dichloroethane-d4
 Concen: 52.514 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX048539.D
 Acq: 10 Nov 2025 15:06

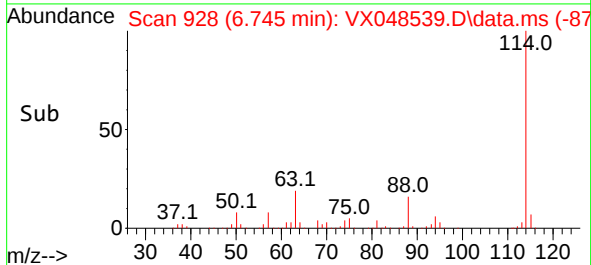
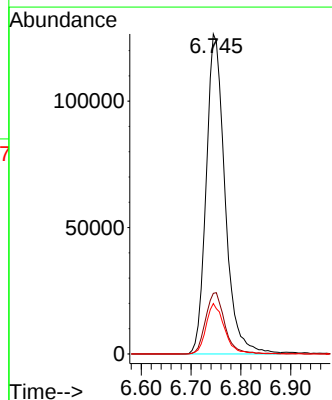
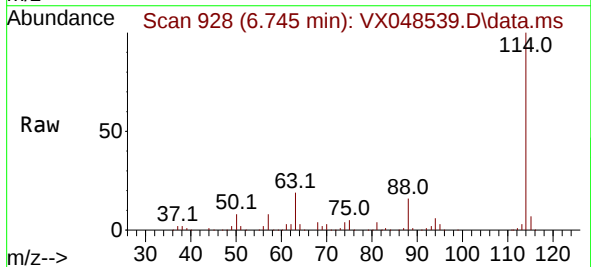
Instrument :
 MSVOA_X
 ClientSampleId :

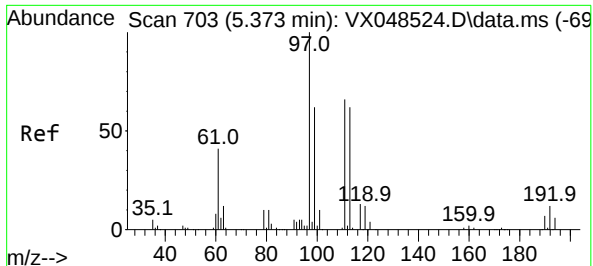
Tgt Ion: 65 Resp: 121885
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048539.D
 Acq: 10 Nov 2025 15:06

Tgt Ion: 114 Resp: 331464
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 41.2
 88 15.8 0.0 32.2





#35

Dibromofluoromethane

Concen: 44.238 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

Instrument :

MSVOA_X

ClientSampleId :

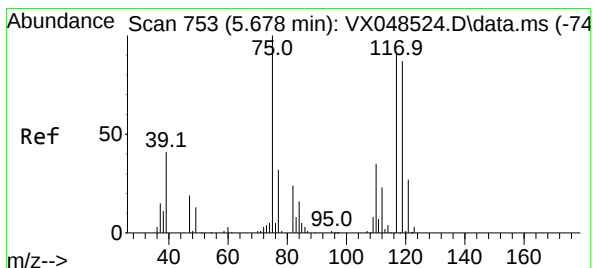
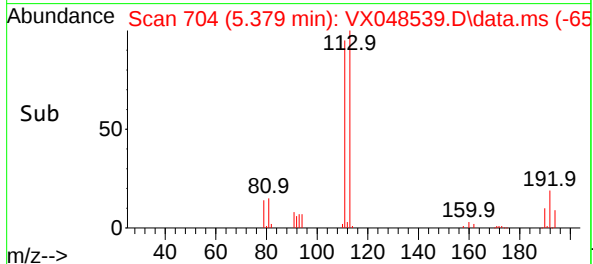
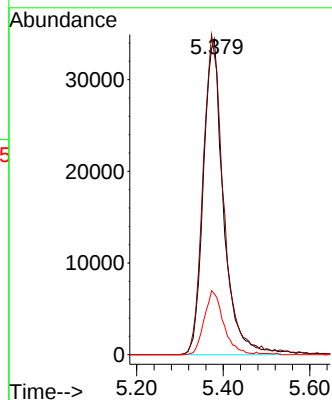
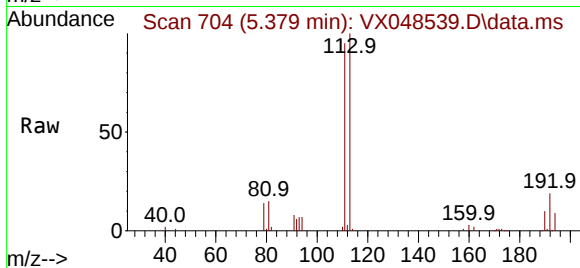
Tgt Ion:113 Resp: 110982

Ion Ratio Lower Upper

113 100

111 103.2 81.9 122.9

192 19.5 15.8 23.6



#36

1,1-Dichloropropene

Concen: 3.831 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX048539.D

Acq: 10 Nov 2025 15:06

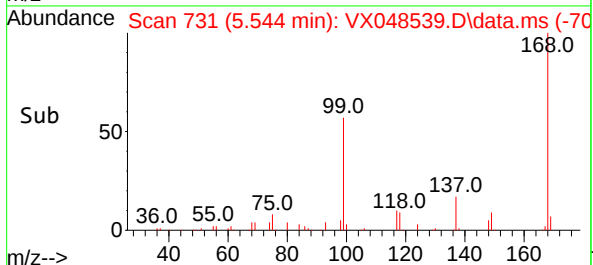
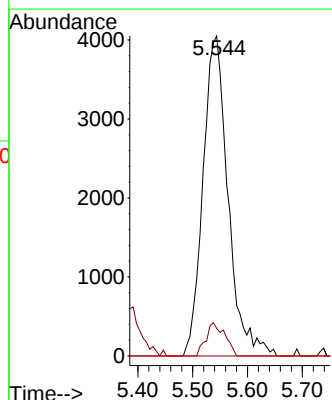
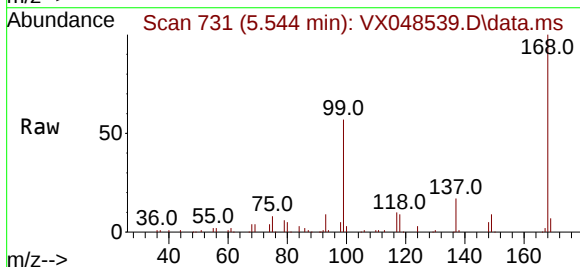
Tgt Ion: 75 Resp: 12871

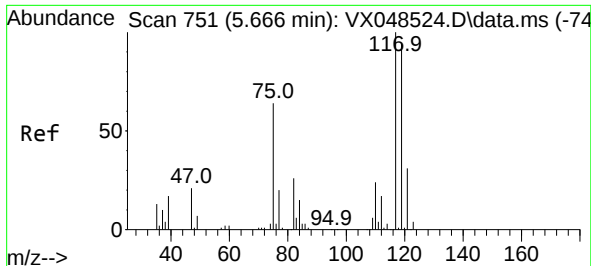
Ion Ratio Lower Upper

75 100

110 7.8 18.4 55.4#

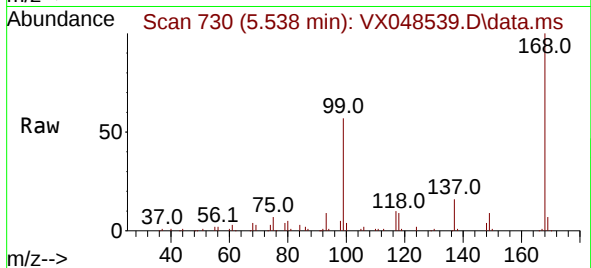
77 0.0 24.6 37.0#



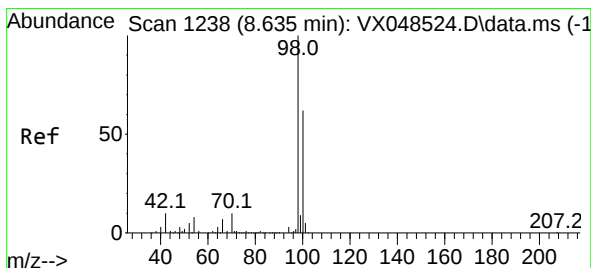
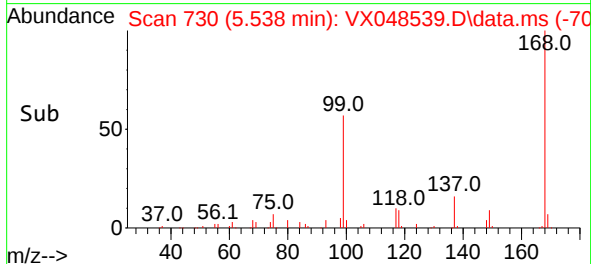
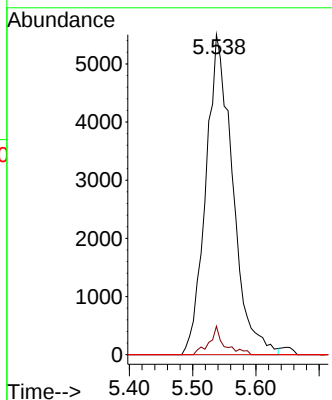


#38
Carbon Tetrachloride
Concen: 4.258 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Instrument :
MSVOA_X
ClientSampleId :

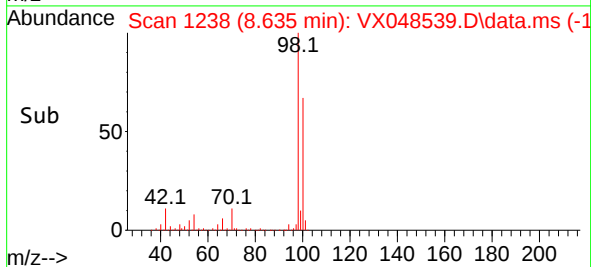
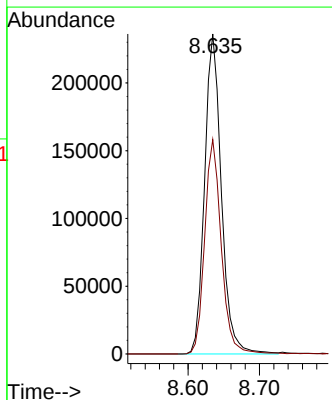
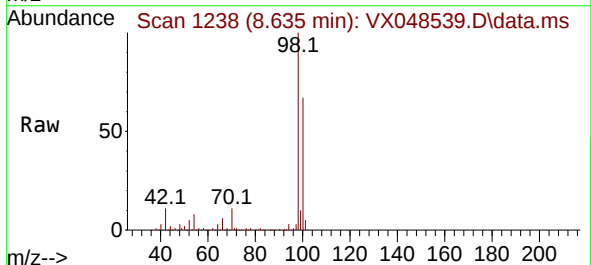


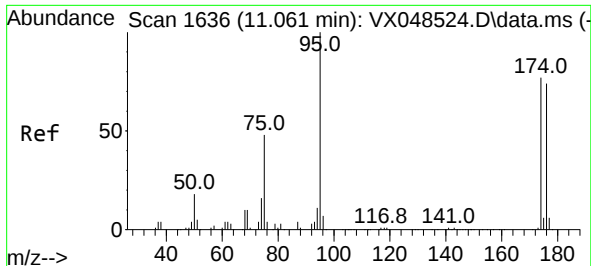
Tgt Ion:117 Resp: 16284
Ion Ratio Lower Upper
117 100
119 8.9 74.5 111.7#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.190 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Tgt Ion: 98 Resp: 384880
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4

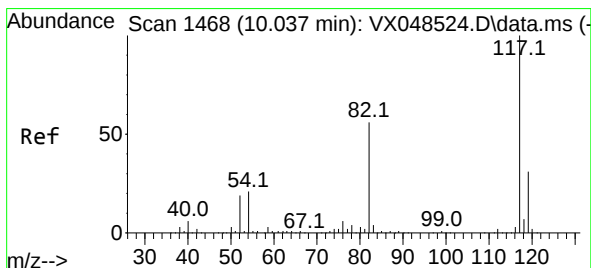
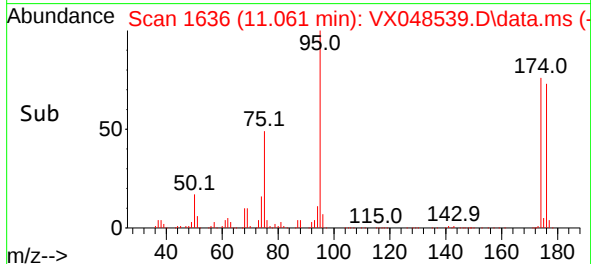
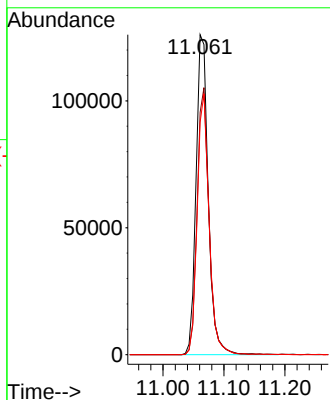
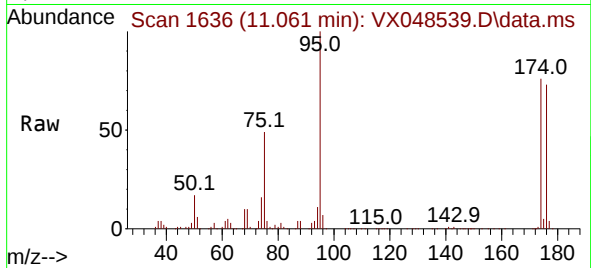




#62
4-Bromofluorobenzene
Concen: 60.110 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

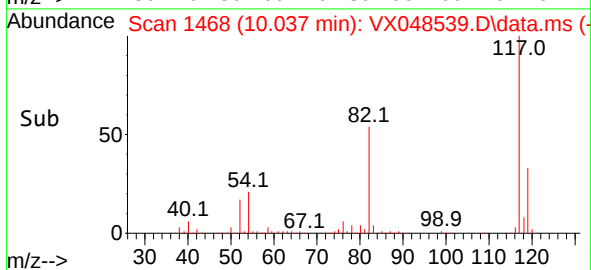
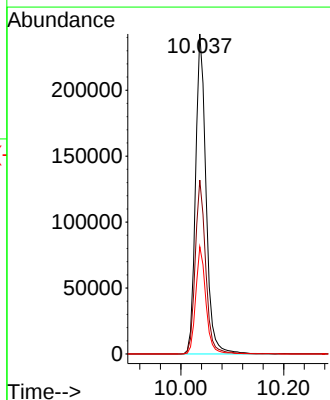
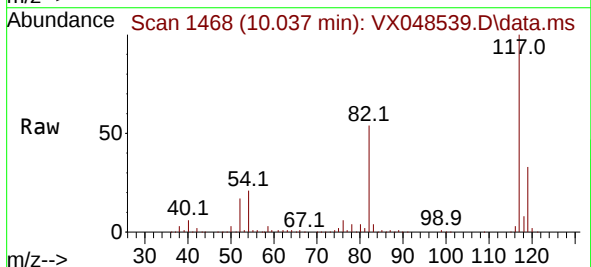
Instrument :
MSVOA_X
ClientSampleId :

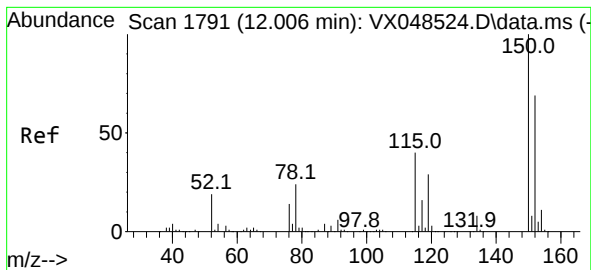
Tgt Ion: 95 Resp: 175272
Ion Ratio Lower Upper
95 100
174 81.0 0.0 161.8
176 79.5 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

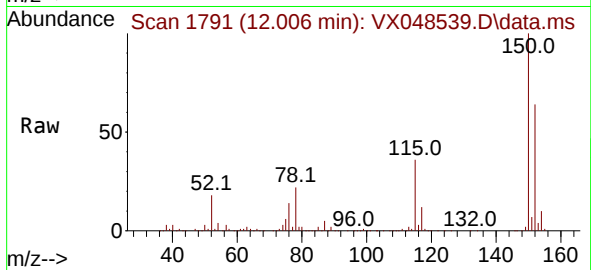
Tgt Ion: 117 Resp: 343876
Ion Ratio Lower Upper
117 100
82 54.4 44.4 66.6
119 33.5 25.1 37.7



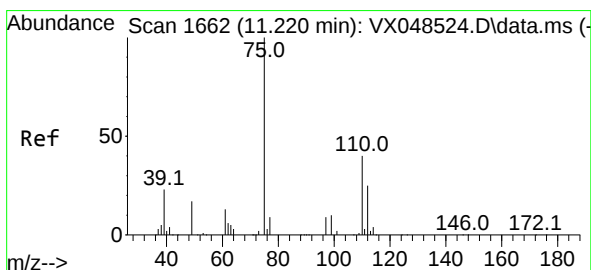
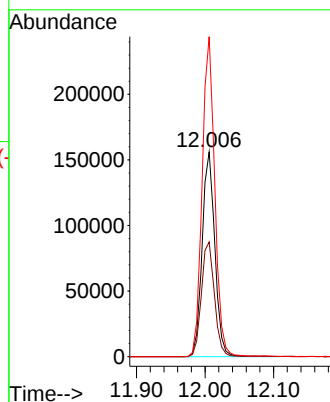
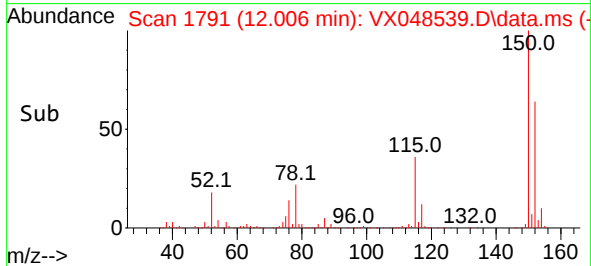


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

Instrument :
MSVOA_X
ClientSampleId :

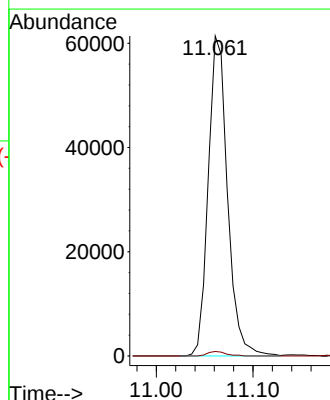
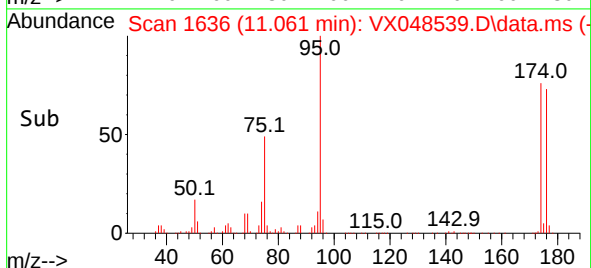
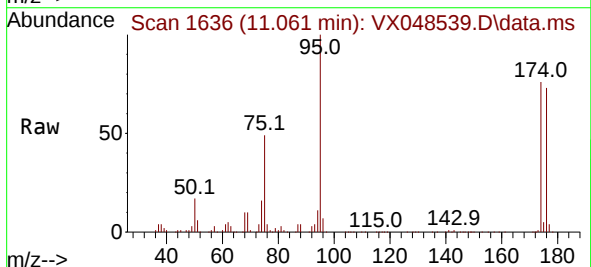


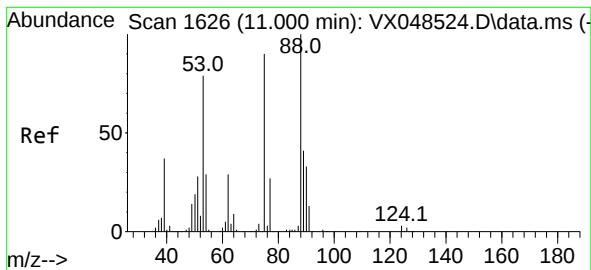
Tgt Ion:152 Resp: 201653
Ion Ratio Lower Upper
152 100
115 57.6 39.2 117.6
150 154.9 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 17.508 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048539.D
Acq: 10 Nov 2025 15:06

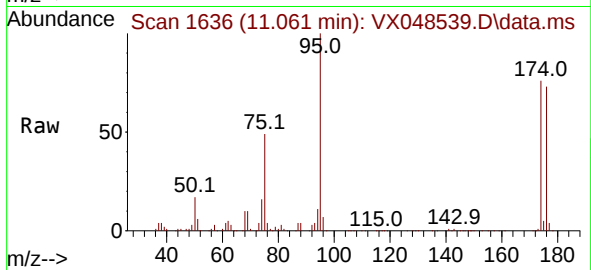
Tgt Ion: 75 Resp: 85056
Ion Ratio Lower Upper
75 100
77 1.3 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 50.078 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048539.D
 Acq: 10 Nov 2025 15:06

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 85056
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 43.6 65.4#

