

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048537.D
 Acq On : 10 Nov 2025 14:25
 Operator : JC/MD
 Sample : Q3584-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 11 00:46:52 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)

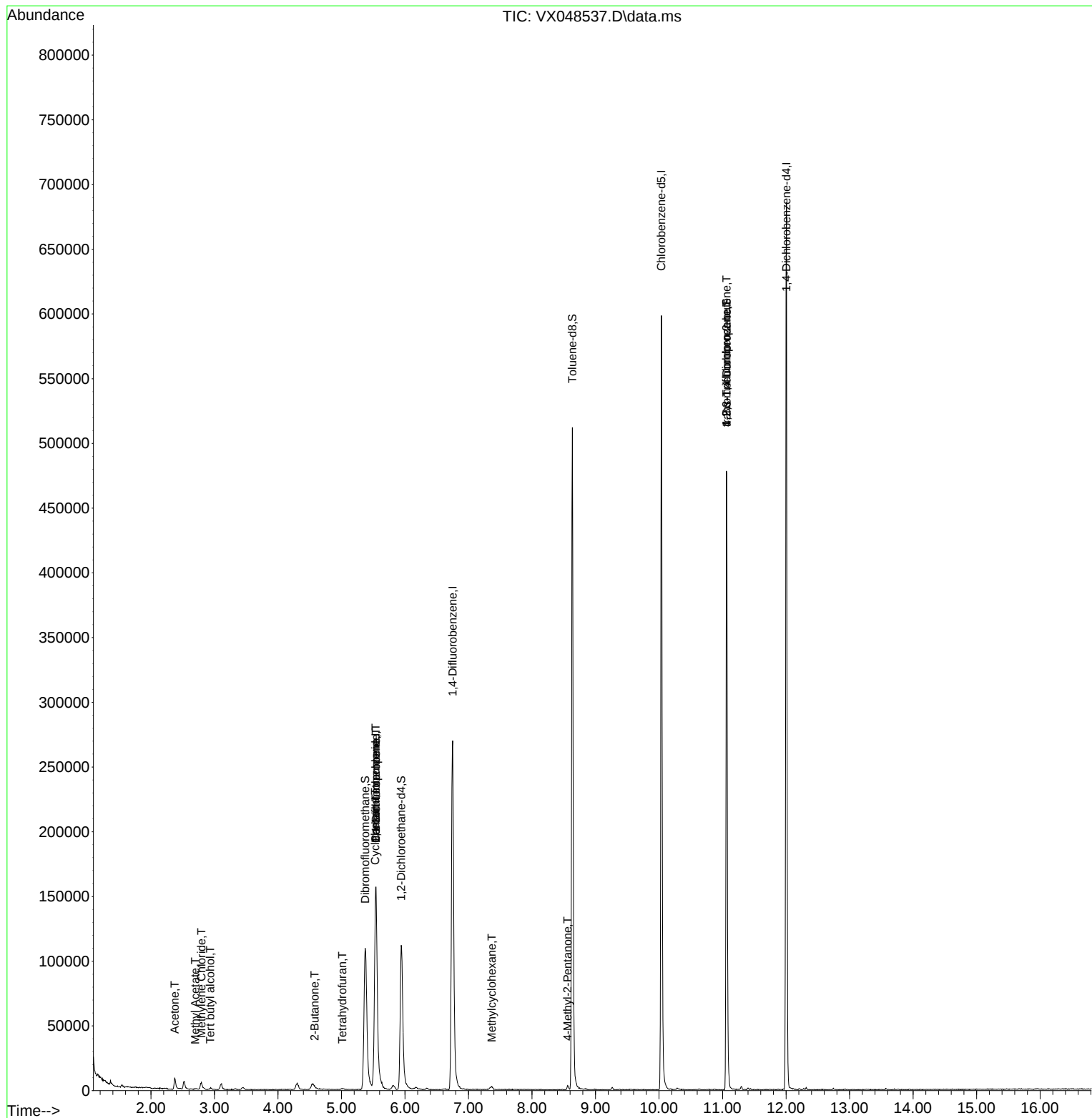
Internal Standards						
1) Pentafluorobenzene	5.538	168	162498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	302228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	145867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123706	54.634	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.260%	
35) Dibromofluoromethane	5.373	113	110365	48.248	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.500%	
50) Toluene-d8	8.635	98	316457	44.358	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 88.720%#	
62) 4-Bromofluorobenzene	11.061	95	135755	51.061	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 102.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	777	1.811	ug/l #	71
16) Acetone	2.373	43	11712	10.927	ug/l	91
18) Methyl Acetate	2.697	43	1157	0.393	ug/l #	69
20) Methylene Chloride	2.794	84	2810	1.275	ug/l	93
25) 2-Butanone	4.574	43	3300	2.081	ug/l	91
29) Tetrahydrofuran	5.013	42	589	0.521	ug/l #	66
31) Cyclohexane	5.531	56	4079	1.342	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	12182	3.977	ug/l #	50
38) Carbon Tetrachloride	5.538	117	16501	4.733	ug/l #	16
39) Methylcyclohexane	7.366	83	1035	0.301	ug/l #	84
51) 4-Methyl-2-Pentanone	8.561	43	2465	0.714	ug/l	94
76) 1,2,3-Trichloropropane	11.061	75	72044	20.501	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	72044	58.640	ug/l #	12

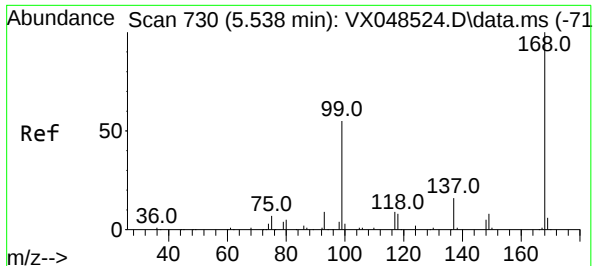
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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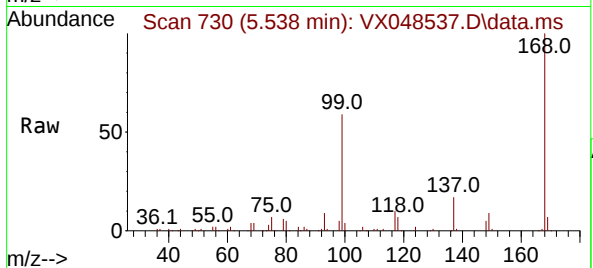
Quant Time: Nov 11 00:46:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



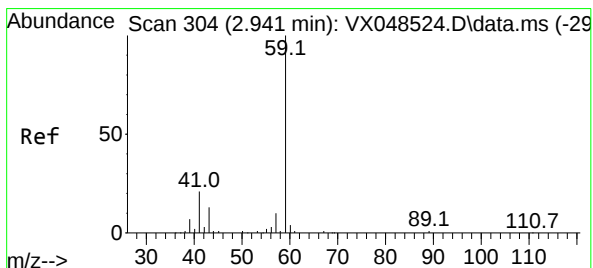
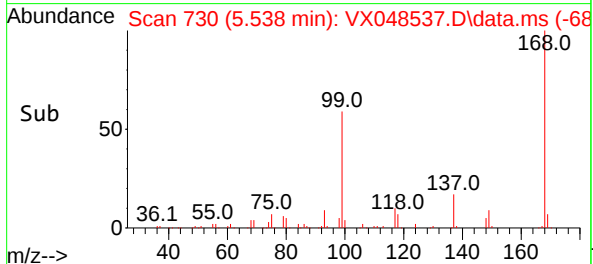
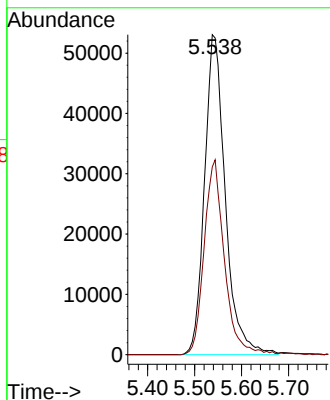


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

Instrument :
MSVOA_X
ClientSampleId :

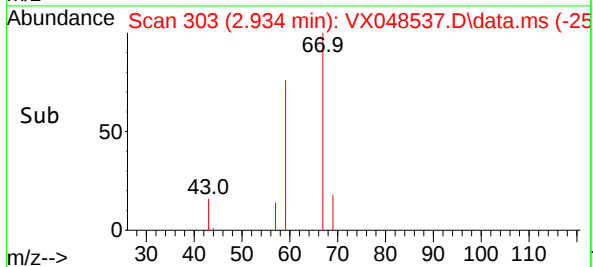
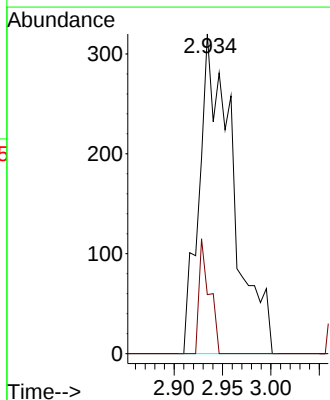
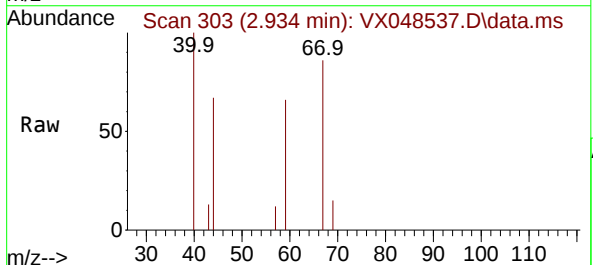


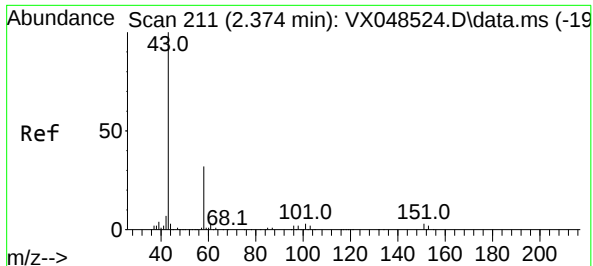
Tgt Ion:168 Resp: 162498
Ion Ratio Lower Upper
168 100
99 58.7 45.2 67.8



#11
Tert butyl alcohol
Concen: 1.811 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

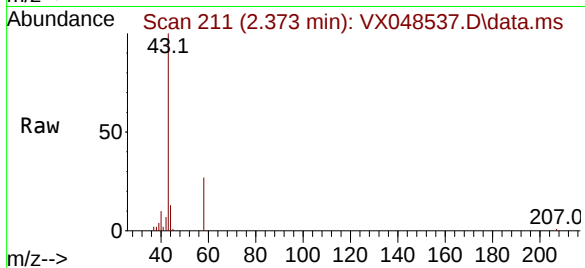
Tgt Ion: 59 Resp: 777
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



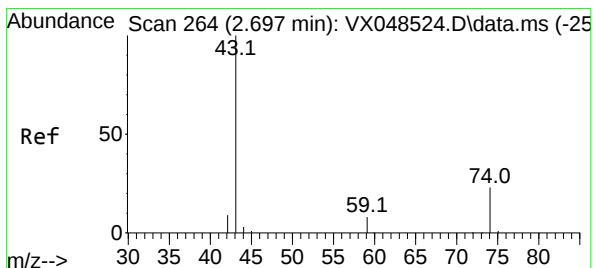
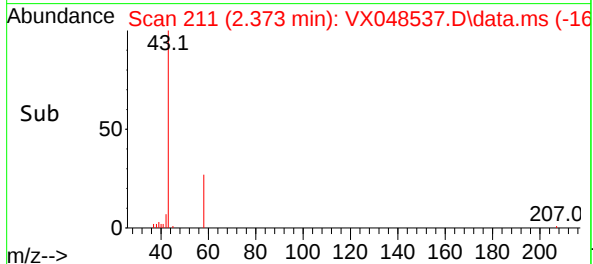
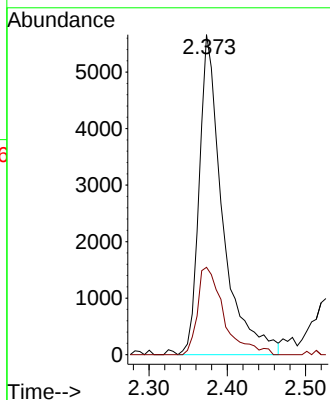


#16
Acetone
Concen: 10.927 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

Instrument :
MSVOA_X
ClientSampleId :

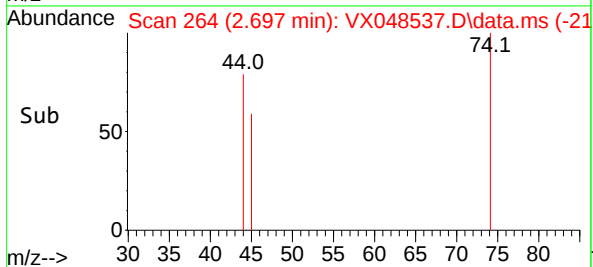
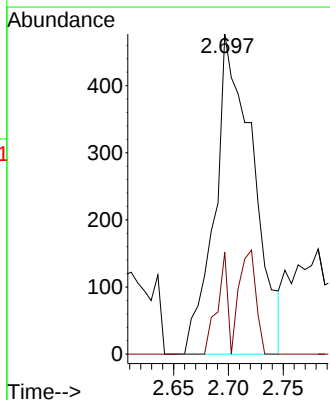
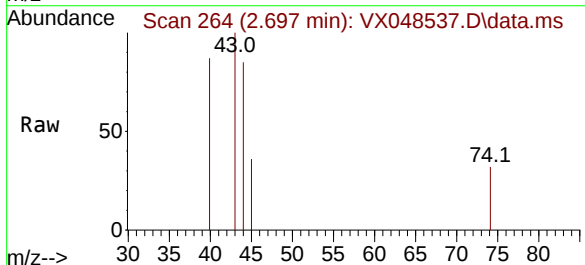


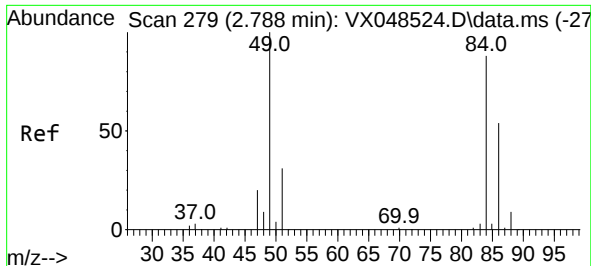
Tgt Ion: 43 Resp: 11712
Ion Ratio Lower Upper
43 100
58 27.3 25.8 38.6



#18
Methyl Acetate
Concen: 0.393 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

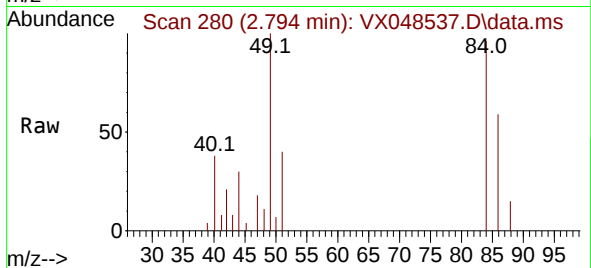
Tgt Ion: 43 Resp: 1157
Ion Ratio Lower Upper
43 100
74 8.6 19.1 28.7#



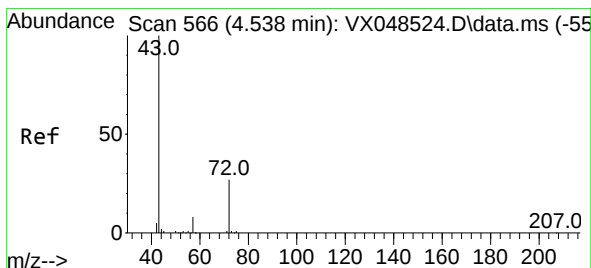
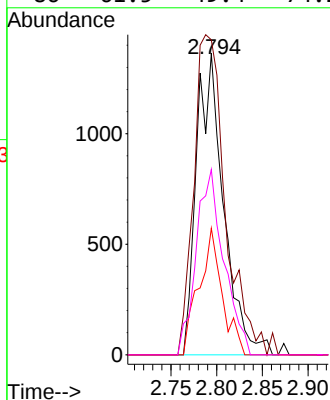
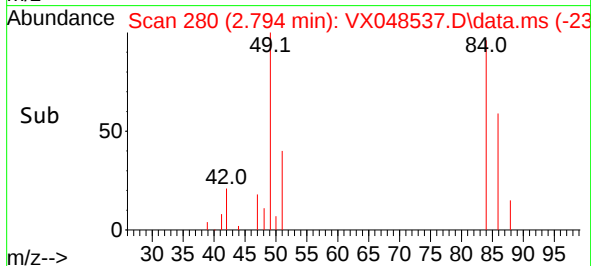


#20
Methylene Chloride
Concen: 1.275 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

Instrument :
MSVOA_X
ClientSampleId :

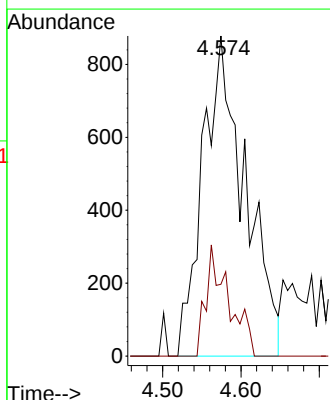
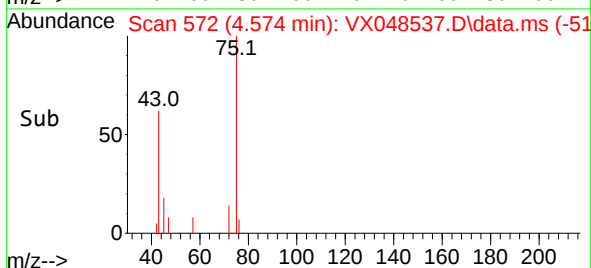
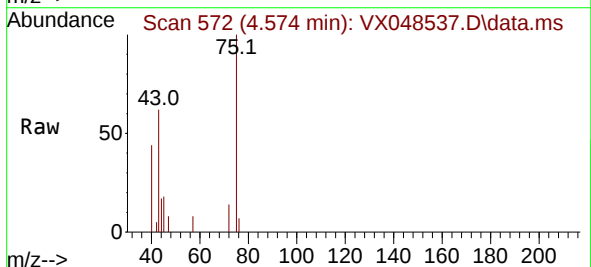


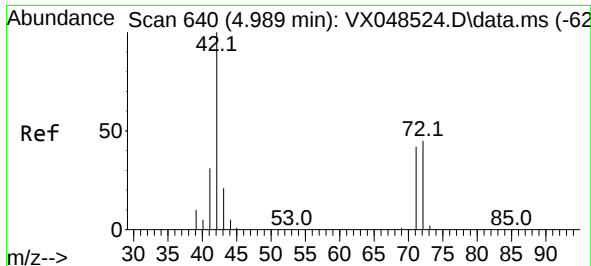
Tgt Ion:	84	Resp:	2810
Ion	Ratio	Lower	Upper
84	100		
49	104.5	91.2	136.8
51	42.0	28.3	42.5
86	61.5	49.4	74.2



#25
2-Butanone
Concen: 2.081 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.036 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

Tgt Ion:	43	Resp:	3300
Ion	Ratio	Lower	Upper
43	100		
72	22.4	21.5	32.3





#29

Tetrahydrofuran

Concen: 0.521 ug/l

RT: 5.013 min Scan# 640

Delta R.T. 0.024 min

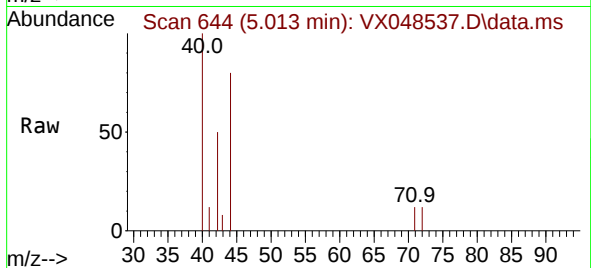
Lab File: VX048537.D

Acq: 10 Nov 2025 14:25

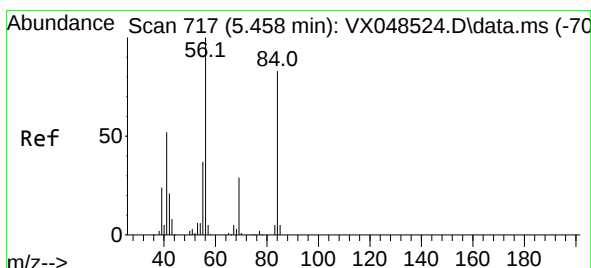
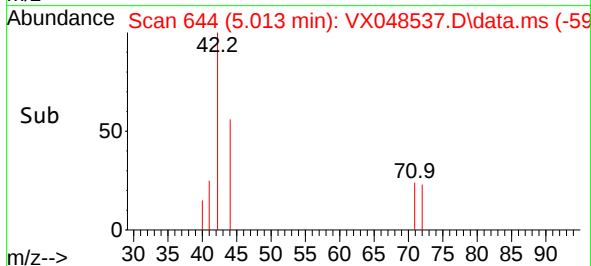
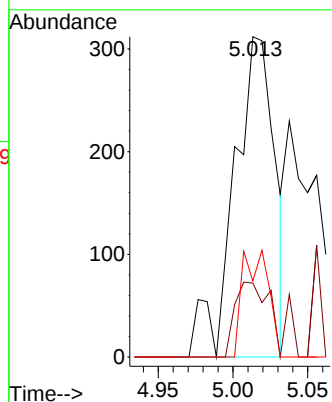
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	589
Ion	Ratio	Lower	Upper
42	100		
72	23.3	36.3	54.5#
71	21.1	34.1	51.1#



#31

Cyclohexane

Concen: 1.342 ug/l

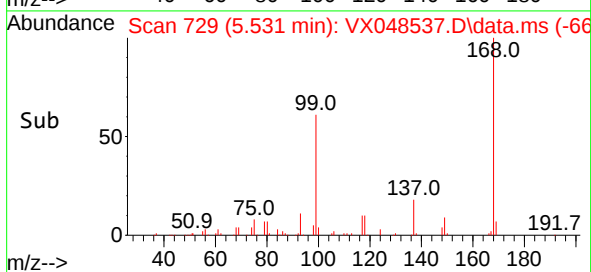
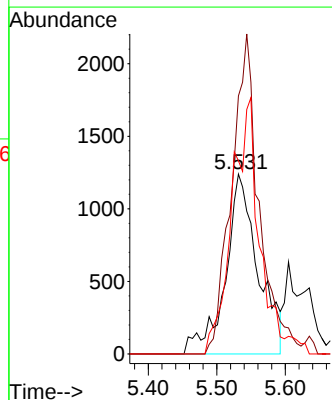
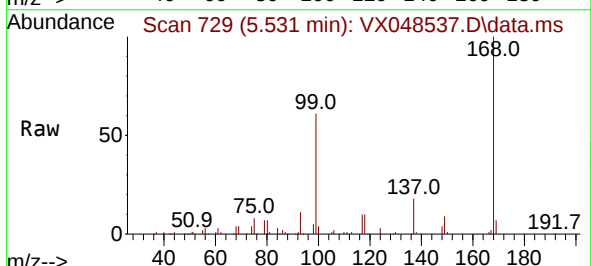
RT: 5.531 min Scan# 729

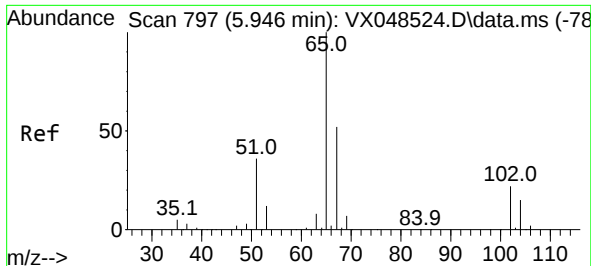
Delta R.T. 0.073 min

Lab File: VX048537.D

Acq: 10 Nov 2025 14:25

Tgt Ion:	56	Resp:	4079
Ion	Ratio	Lower	Upper
56	100		
69	143.5	23.4	35.2#
84	107.4	66.3	99.5#

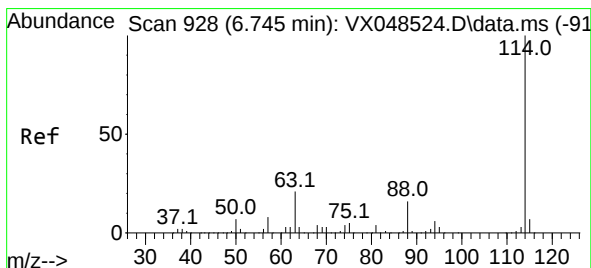
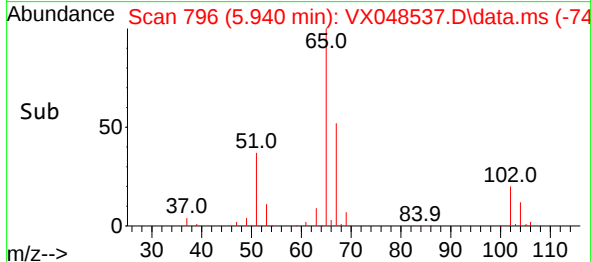
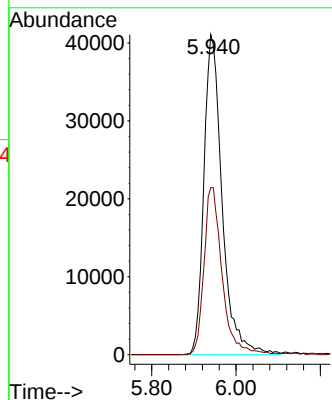
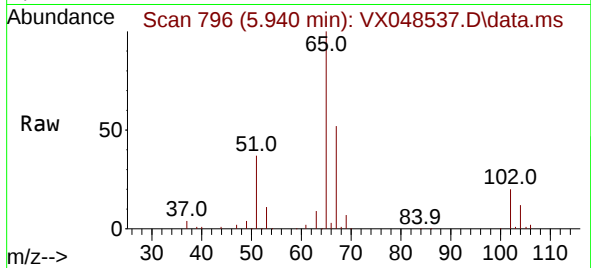




#33
 1,2-Dichloroethane-d4
 Concen: 54.634 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX048537.D
 Acq: 10 Nov 2025 14:25

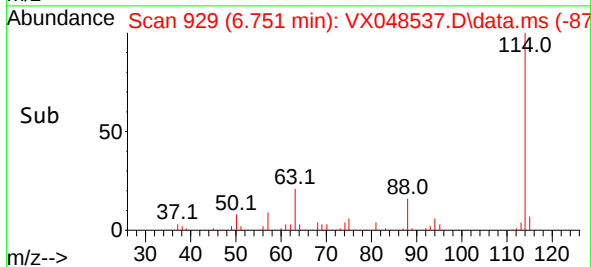
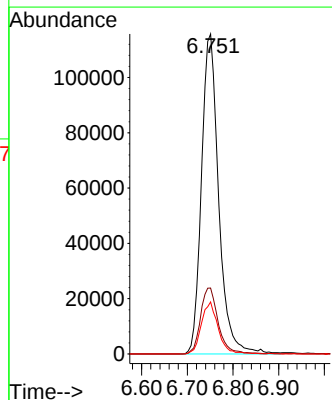
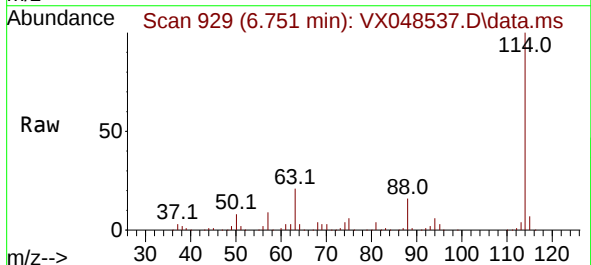
Instrument :
 MSVOA_X
 ClientSampleId :

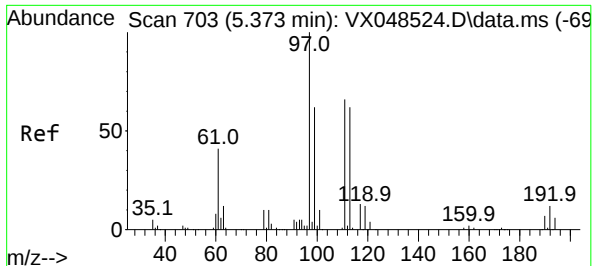
Tgt Ion: 65 Resp: 123706
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX048537.D
 Acq: 10 Nov 2025 14:25

Tgt Ion: 114 Resp: 302228
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.2
 88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 48.248 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

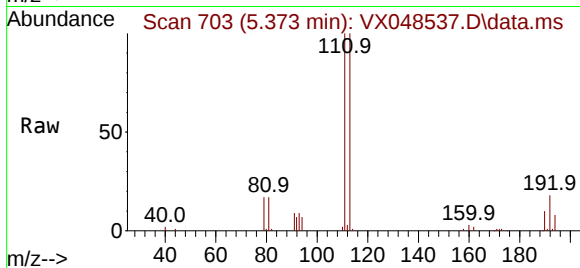
Lab File: VX048537.D

Acq: 10 Nov 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :



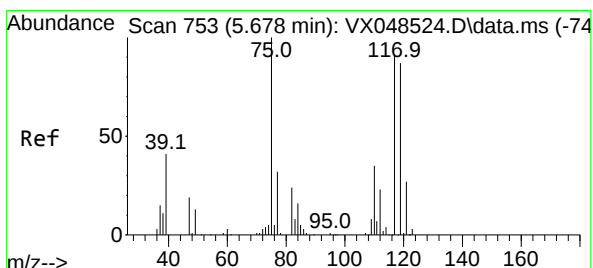
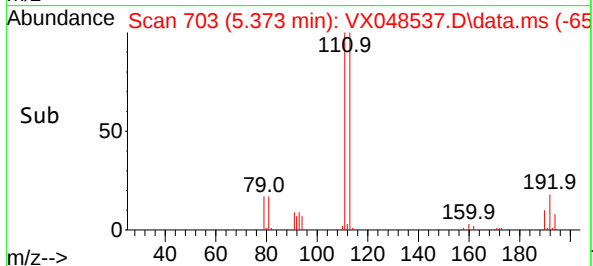
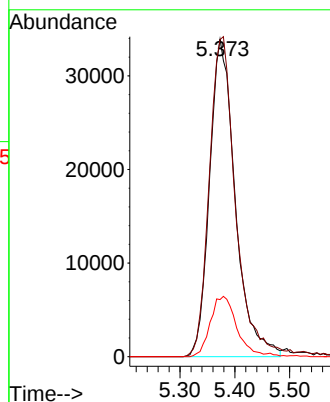
Tgt Ion:113 Resp: 110365

Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 19.8 15.8 23.6



#36

1,1-Dichloropropene

Concen: 3.977 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX048537.D

Acq: 10 Nov 2025 14:25

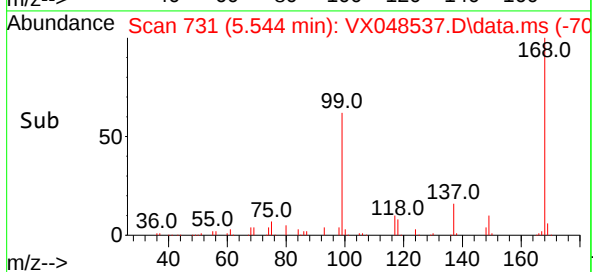
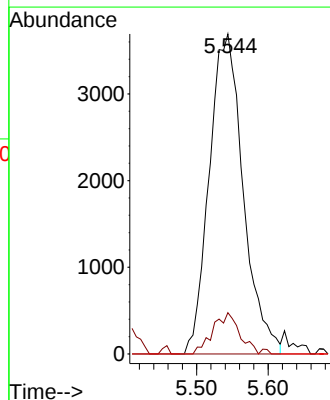
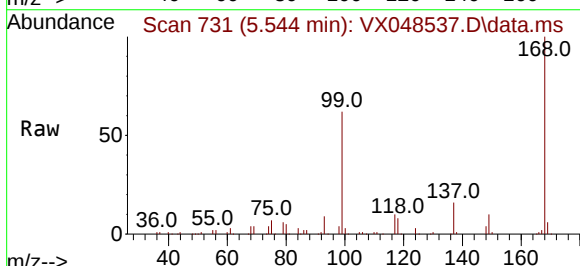
Tgt Ion: 75 Resp: 12182

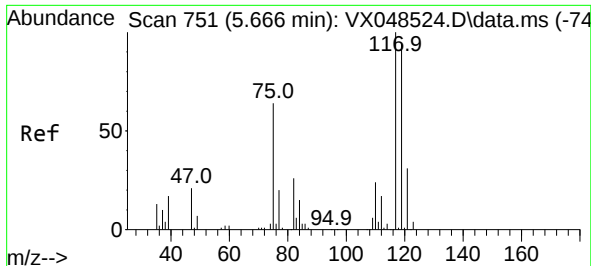
Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.4#

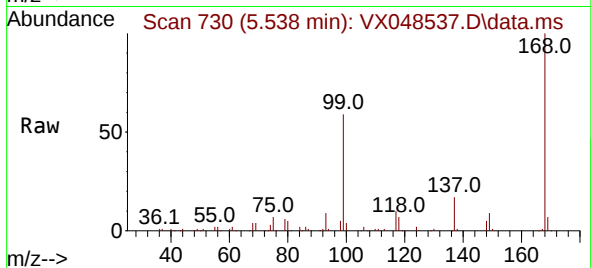
77 0.0 24.6 37.0#



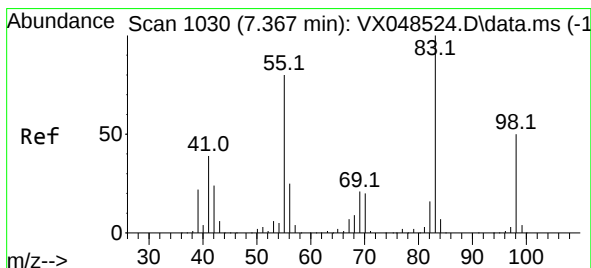
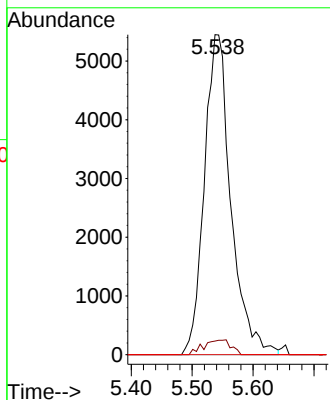
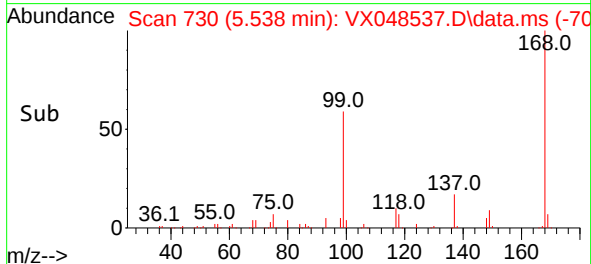


#38
Carbon Tetrachloride
Concen: 4.733 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

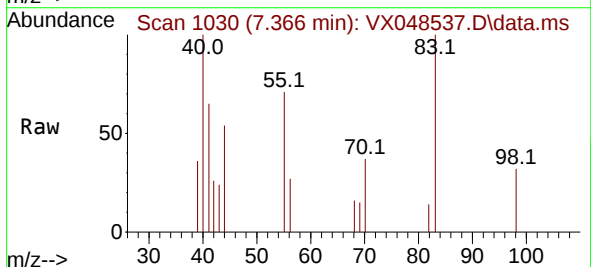
Instrument :
MSVOA_X
ClientSampleId :



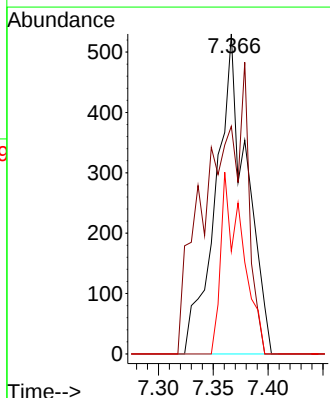
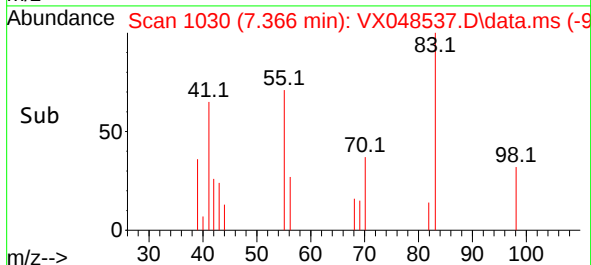
Tgt Ion:117 Resp: 16501
Ion Ratio Lower Upper
117 100
119 4.2 74.5 111.7#
121 0.0 24.8 37.2#

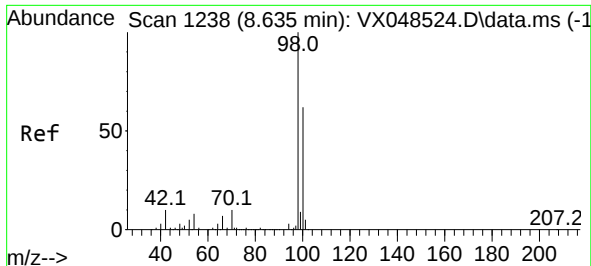


#39
Methylcyclohexane
Concen: 0.301 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25



Tgt Ion: 83 Resp: 1035
Ion Ratio Lower Upper
83 100
55 71.1 63.8 95.6
98 32.1 40.3 60.5#

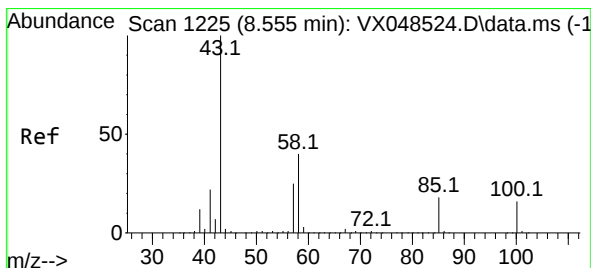
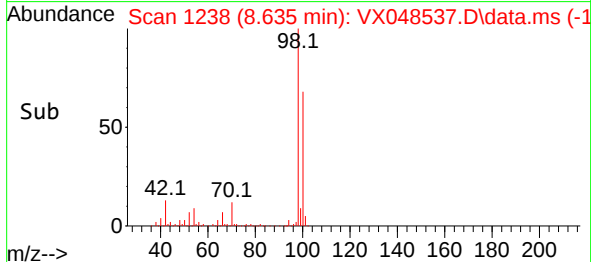
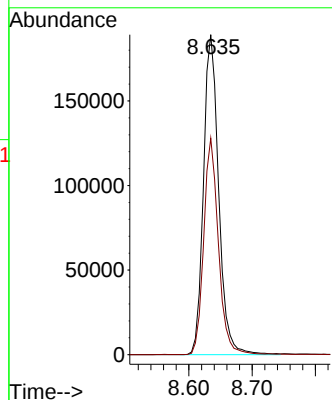
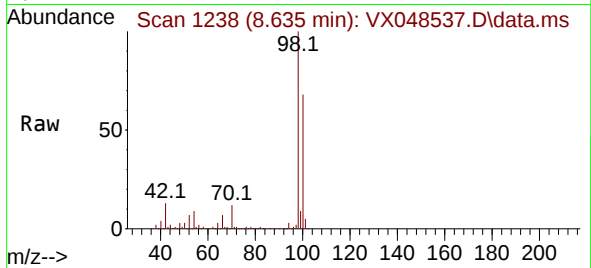




#50
Toluene-d8
Concen: 44.358 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

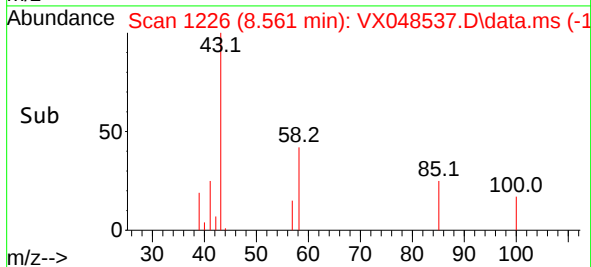
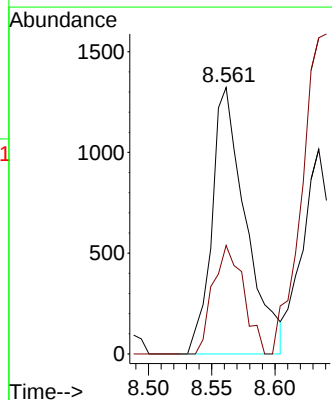
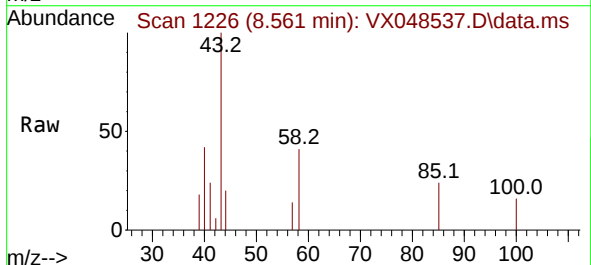
Instrument :
MSVOA_X
ClientSampleId :

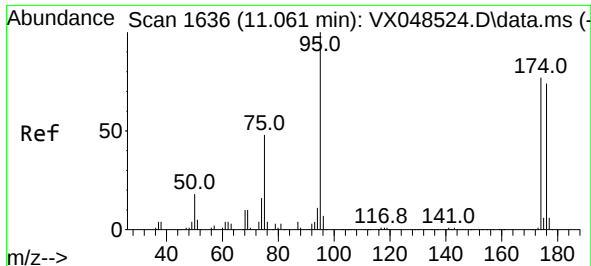
Tgt Ion: 98 Resp: 316457
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.714 ug/l
RT: 8.561 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048537.D
Acq: 10 Nov 2025 14:25

Tgt Ion: 43 Resp: 2465
Ion Ratio Lower Upper
43 100
58 36.6 32.3 48.5





#62

4-Bromofluorobenzene

Concen: 51.061 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048537.D

Acq: 10 Nov 2025 14:25

Instrument :

MSVOA_X

ClientSampleId :

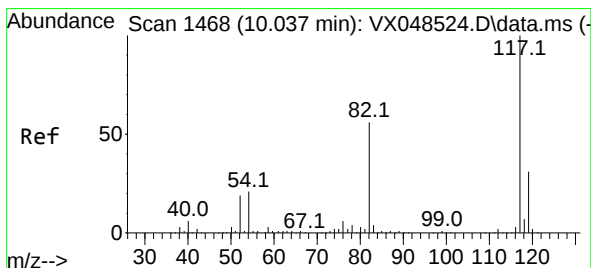
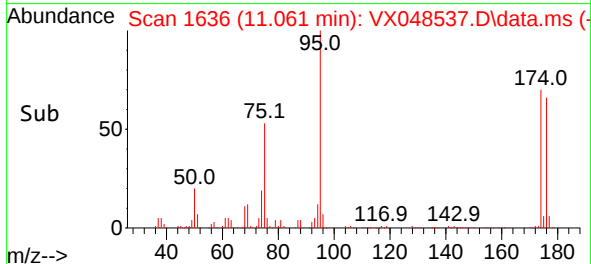
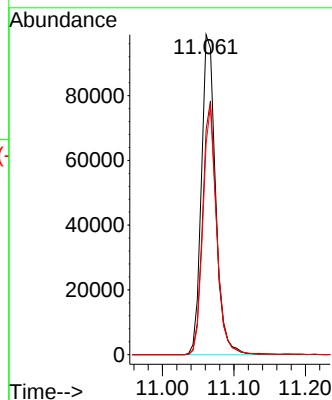
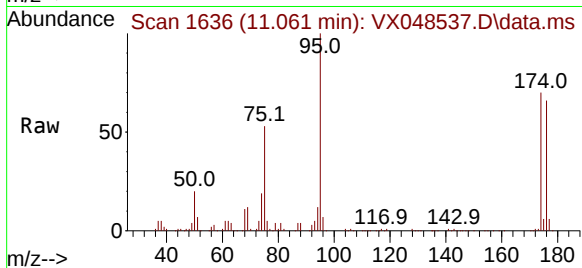
Tgt Ion: 95 Resp: 135755

Ion Ratio Lower Upper

95 100

174 78.8 0.0 161.8

176 75.5 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: VX048537.D

Acq: 10 Nov 2025 14:25

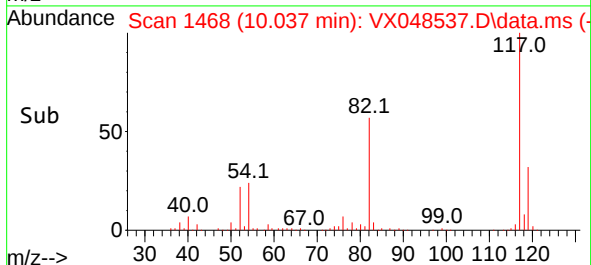
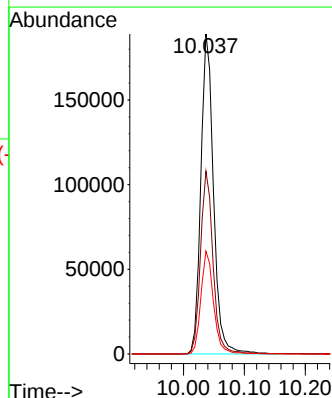
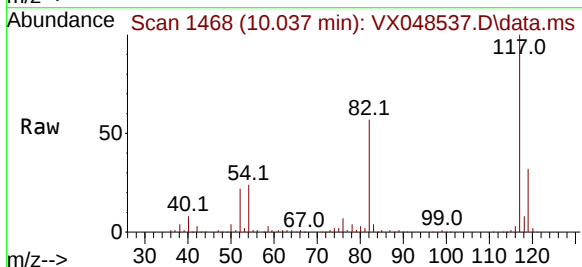
Tgt Ion: 117 Resp: 273363

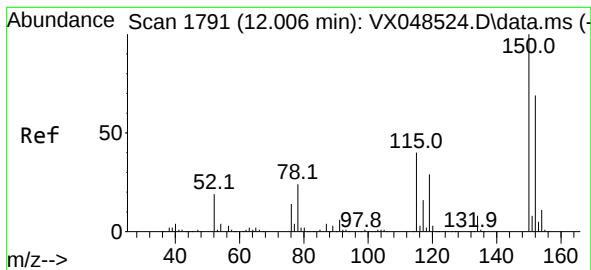
Ion Ratio Lower Upper

117 100

82 57.1 44.4 66.6

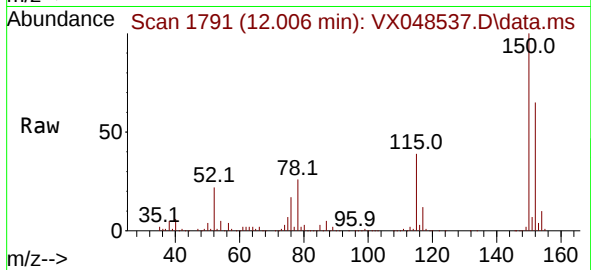
119 32.1 25.1 37.7



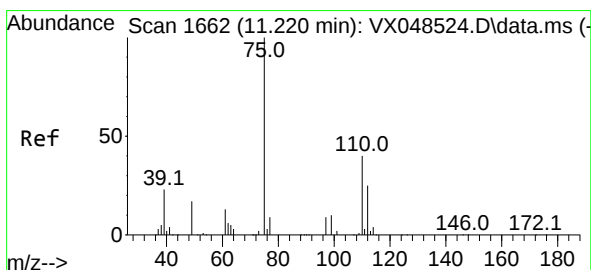
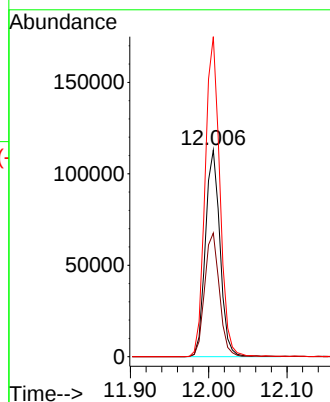
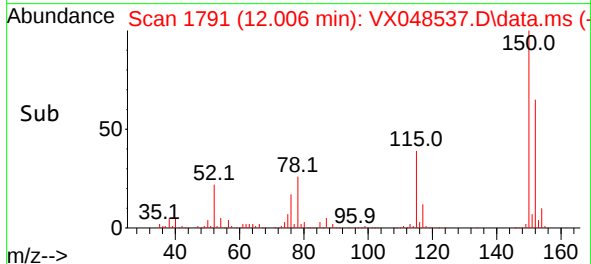


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048537.D
 Acq: 10 Nov 2025 14:25

Instrument :
 MSVOA_X
 ClientSampleId :

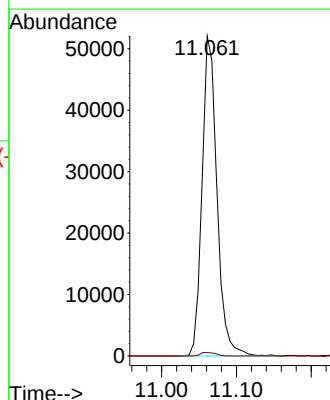
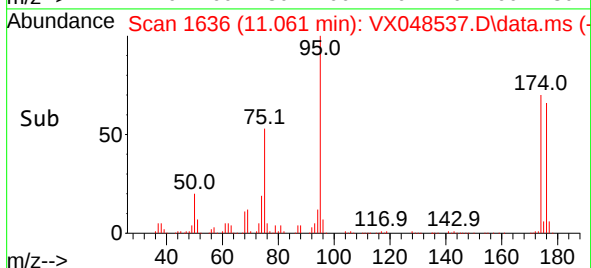
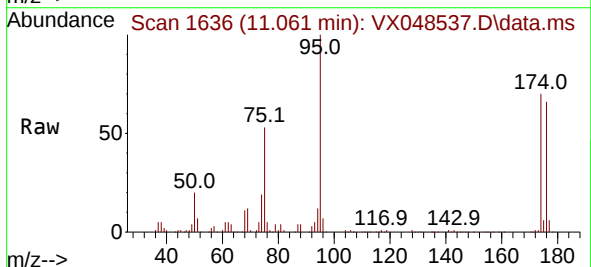


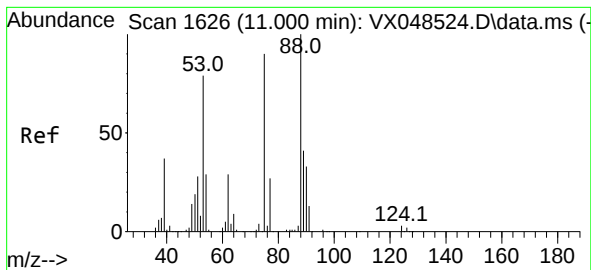
Tgt Ion:152 Resp: 145867
 Ion Ratio Lower Upper
 152 100
 115 60.7 39.2 117.6
 150 155.9 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.501 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048537.D
 Acq: 10 Nov 2025 14:25

Tgt Ion: 75 Resp: 72044
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 72.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.640 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048537.D
 Acq: 10 Nov 2025 14:25

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 72044
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 43.6 65.4#

