

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047321.D
 Acq On : 13 Aug 2025 14:45
 Operator : JC/MD
 Sample : Q2814-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-518R-E

Quant Time: Aug 14 03:29:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

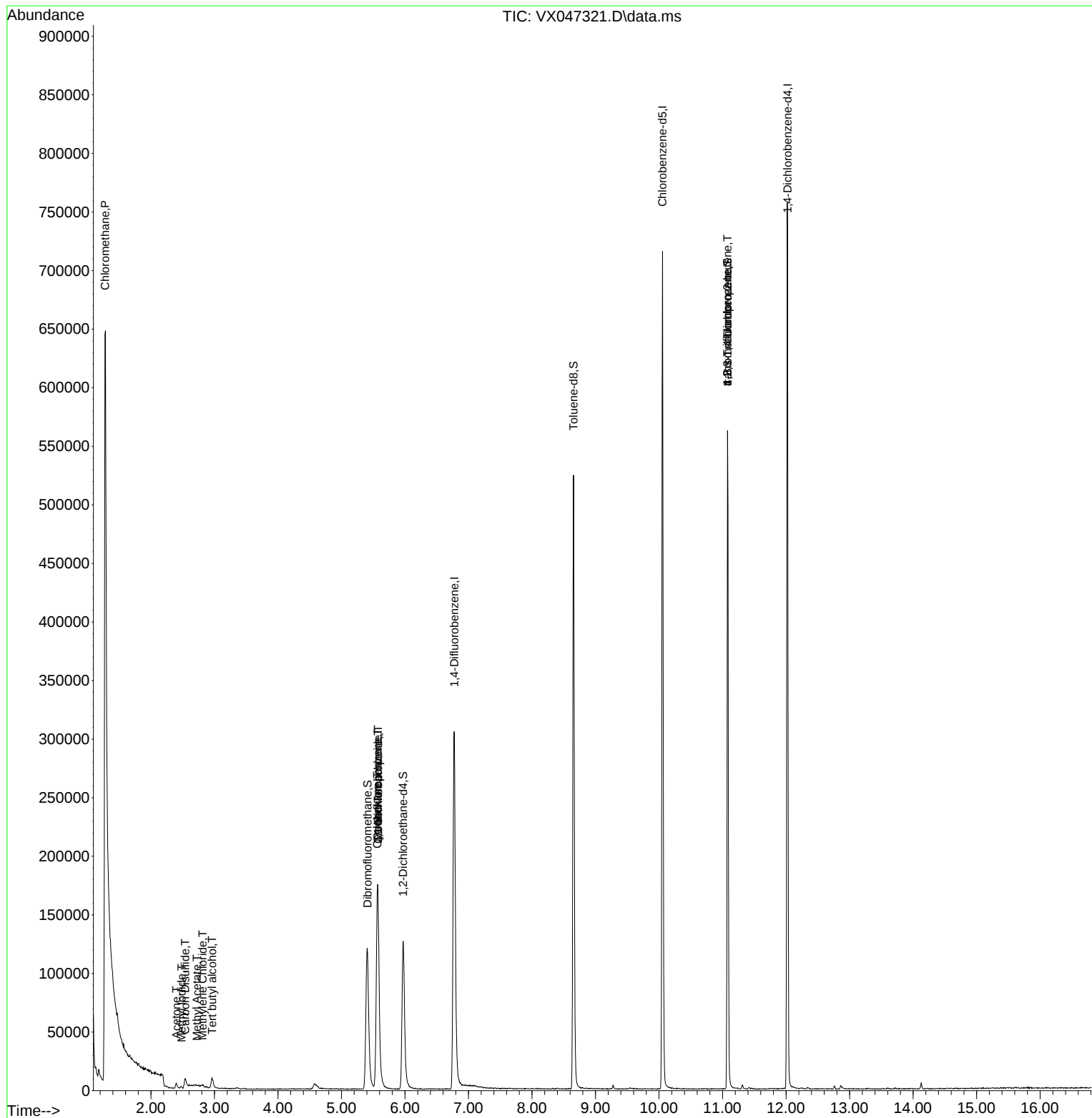
Internal Standards						
1) Pentafluorobenzene	5.568	168	178377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	334539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	136127	61.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.520%#			
35) Dibromofluoromethane	5.409	113	115028	55.689	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.380%			
50) Toluene-d8	8.653	98	305174	45.622	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.240%#			
62) 4-Bromofluorobenzene	11.079	95	153657	53.303	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.600%			
Target Compounds						Qvalue
3) Chloromethane	1.276	50	28066	11.975	ug/l #	43
10) Methyl Iodide	2.483	142	1963	0.851	ug/l #	87
11) Tert butyl alcohol	2.965	59	4834	8.681	ug/l #	76
16) Acetone	2.398	43	5723	6.429	ug/l	99
17) Carbon Disulfide	2.538	76	11132	1.717	ug/l	95
18) Methyl Acetate	2.721	43	818	0.346	ug/l #	54
20) Methylene Chloride	2.812	84	1044	0.426	ug/l	91
31) Cyclohexane	5.562	56	3952	0.951	ug/l #	1
36) 1,1-Dichloropropene	5.574	75	15218	4.322	ug/l #	52
38) Carbon Tetrachloride	5.574	117	18682	4.971	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	79398	27.417	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	79398	70.638	ug/l #	8

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

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TW-518R-E

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

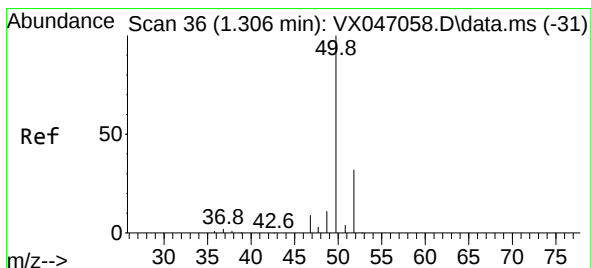
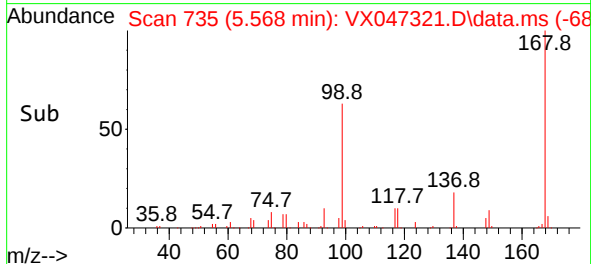
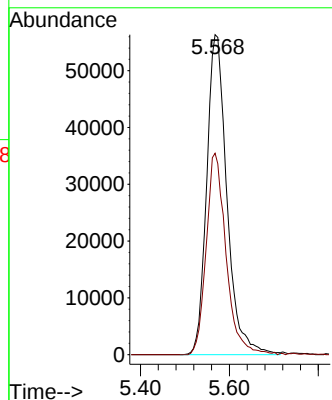
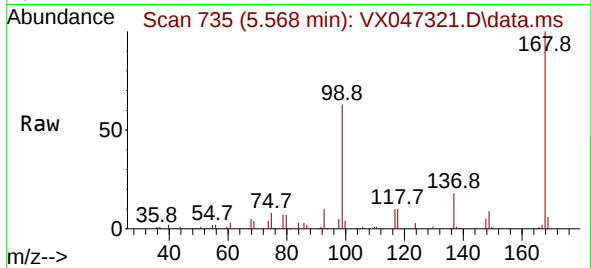




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

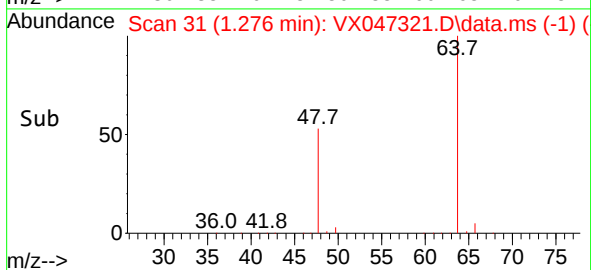
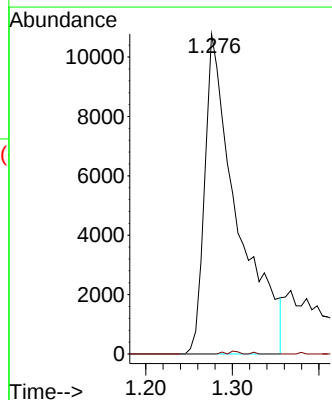
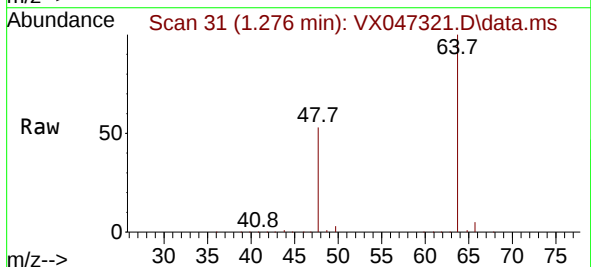
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

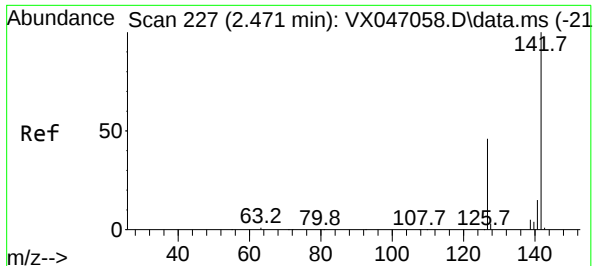
Tgt Ion:168 Resp: 178377
Ion Ratio Lower Upper
168 100
99 62.9 48.0 72.0



#3
Chloromethane
Concen: 11.975 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.030 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

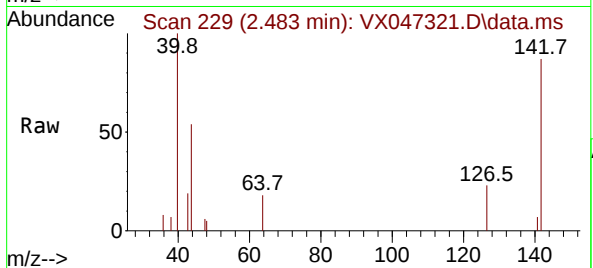
Tgt Ion: 50 Resp: 28066
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



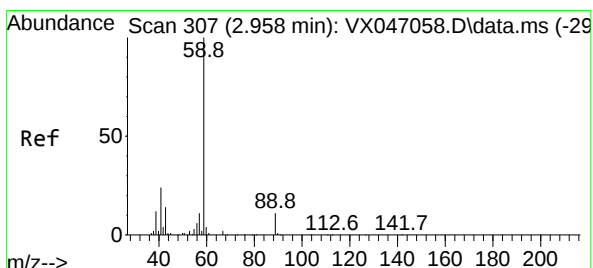
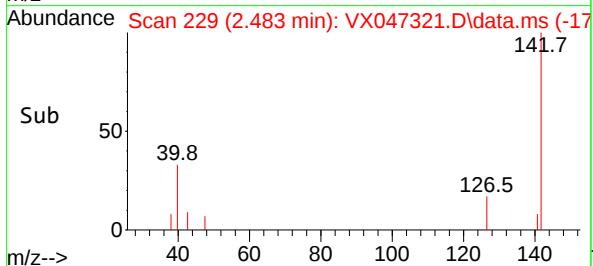
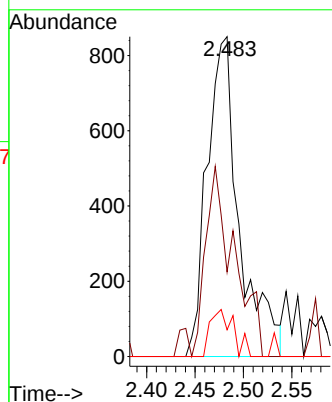


#10
Methyl Iodide
Concen: 0.851 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

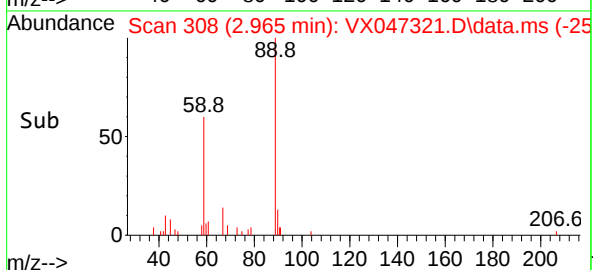
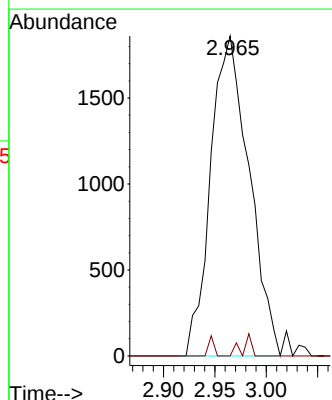
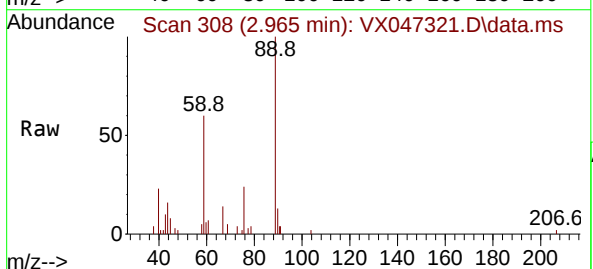


Tgt Ion:142 Resp: 1963
Ion Ratio Lower Upper
142 100
127 55.4 36.6 54.8#
141 10.5 10.9 16.3#



#11
Tert butyl alcohol
Concen: 8.681 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 59 Resp: 4834
Ion Ratio Lower Upper
59 100
57 1.6 8.5 12.7#

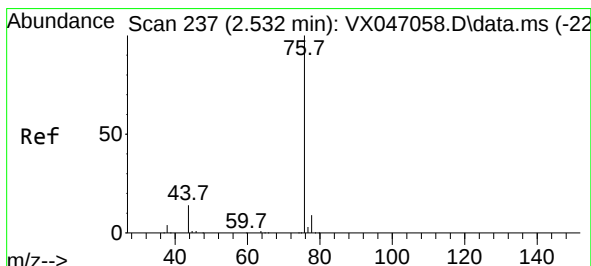
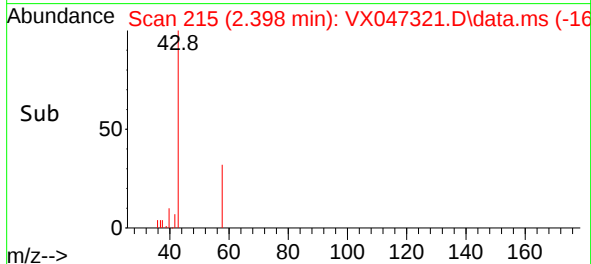
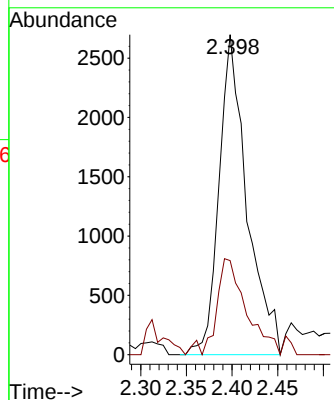
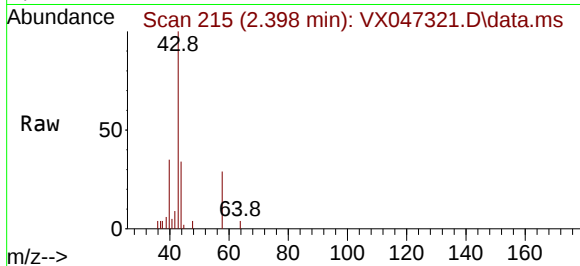




#16
Acetone
Concen: 6.429 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

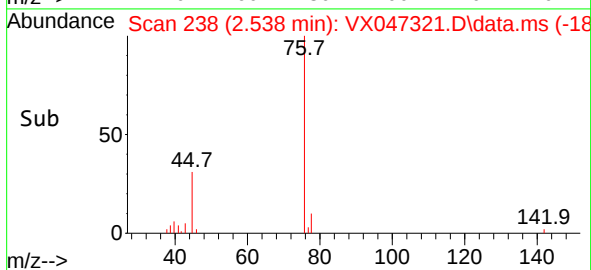
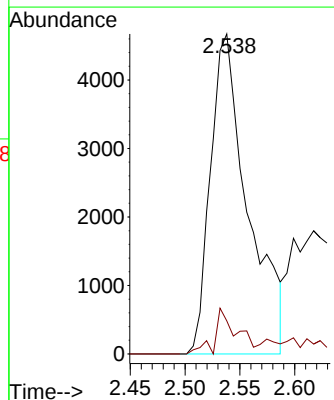
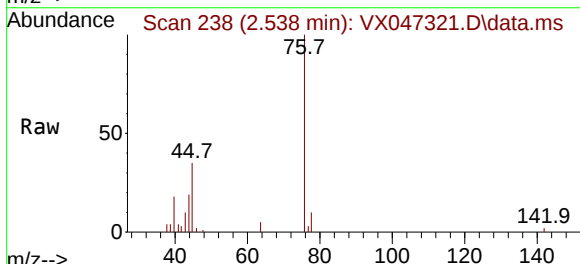
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

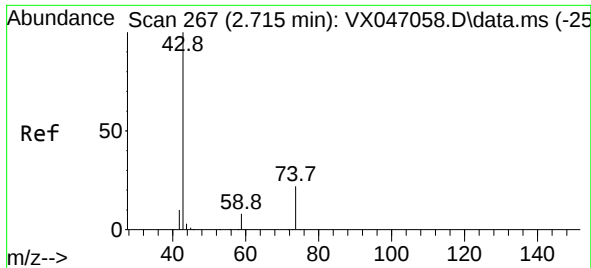
Tgt Ion: 43 Resp: 5723
Ion Ratio Lower Upper
43 100
58 29.4 24.0 36.0



#17
Carbon Disulfide
Concen: 1.717 ug/l
RT: 2.538 min Scan# 238
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 76 Resp: 11132
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.4

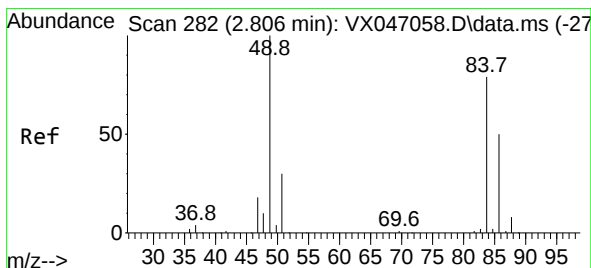
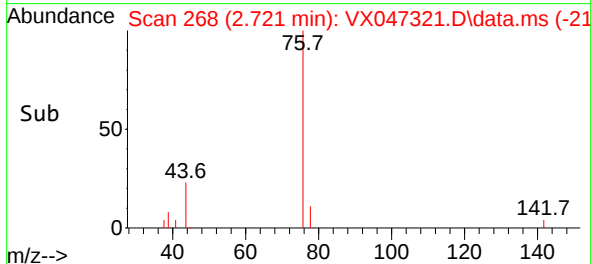
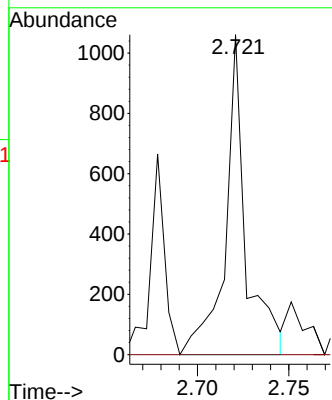
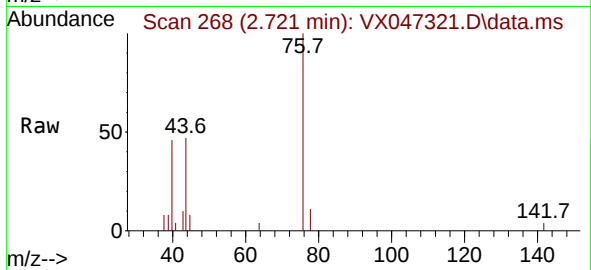




#18
Methyl Acetate
Concen: 0.346 ug/l
RT: 2.721 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

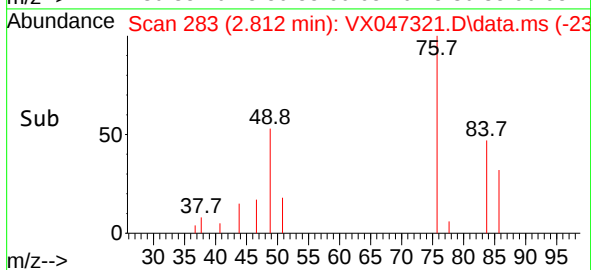
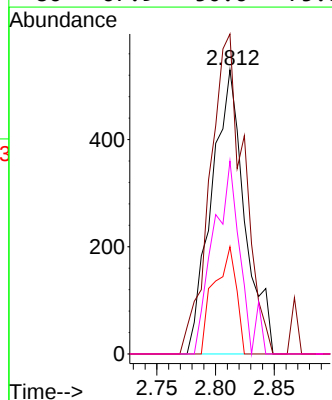
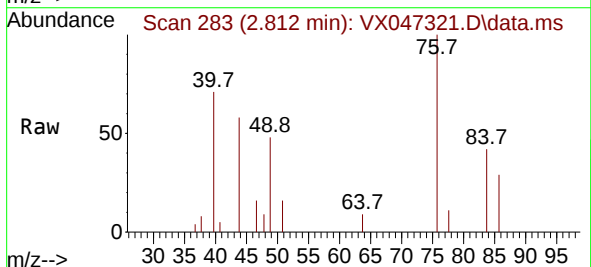
Instrument :
MSVOA_X
ClientSampleId :
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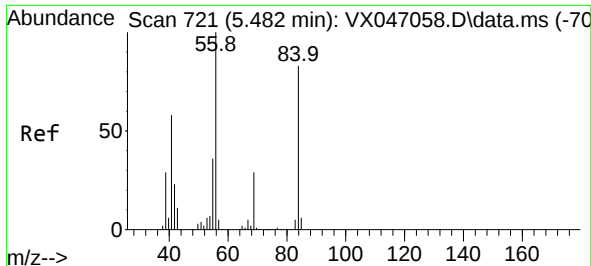
Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#20
Methylene Chloride
Concen: 0.426 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 84 Resp: 1044
Ion Ratio Lower Upper
84 100
49 112.6 101.6 152.4
51 37.7 30.3 45.5
86 67.9 50.6 75.8

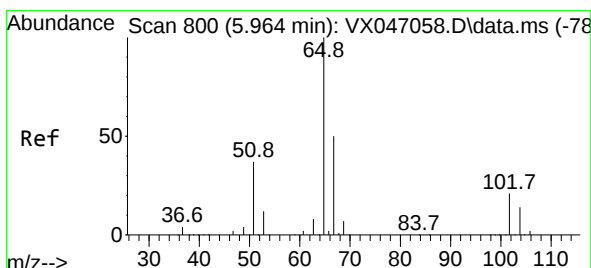
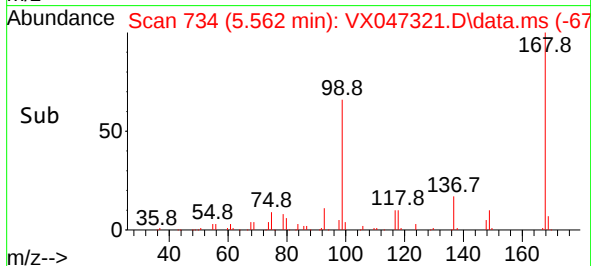
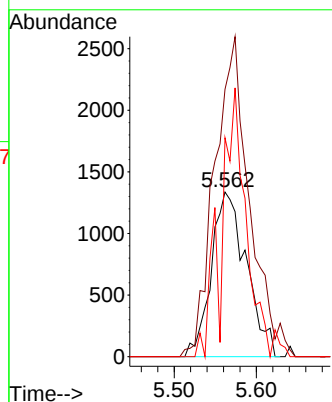
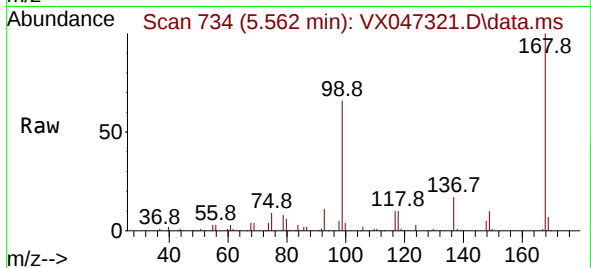




#31
Cyclohexane
Concen: 0.951 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

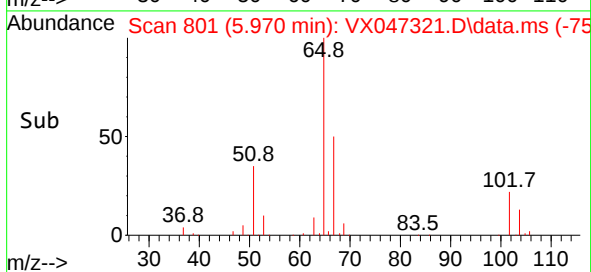
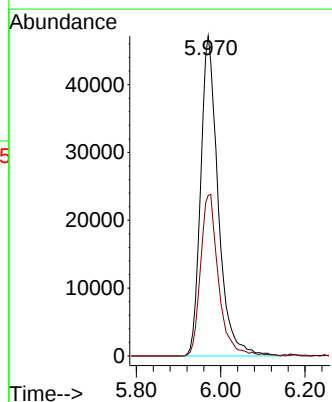
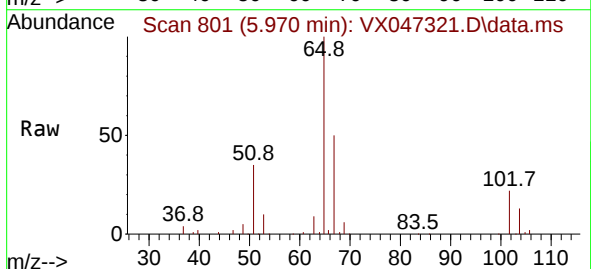
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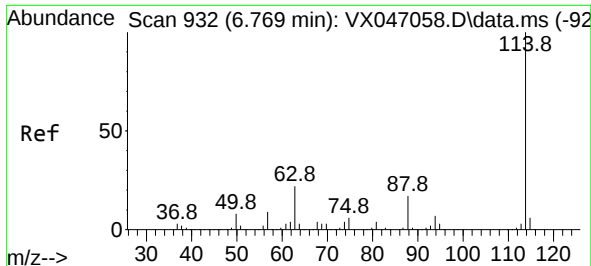
Tgt Ion: 56 Resp: 3952
Ion Ratio Lower Upper
56 100
69 162.4 23.3 34.9#
84 132.9 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 61.263 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 65 Resp: 136127
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.8

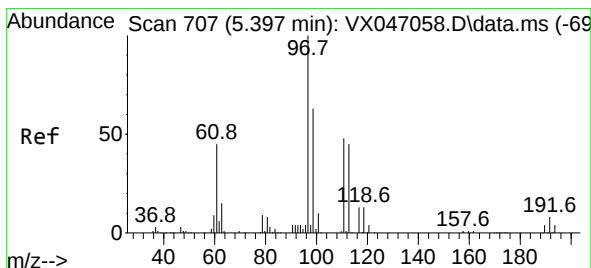
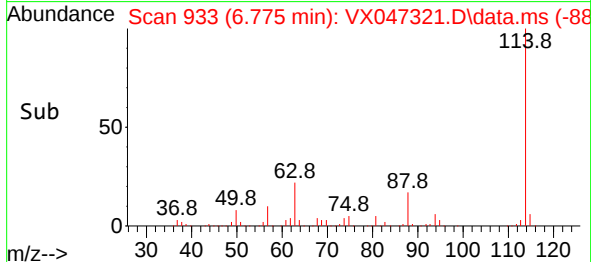
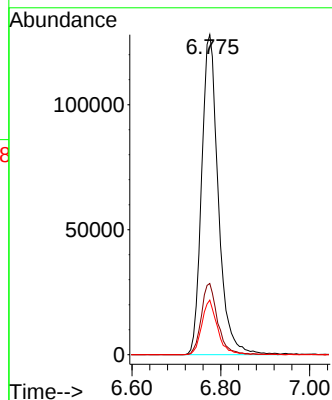
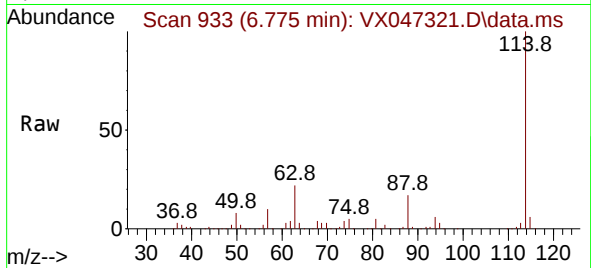




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

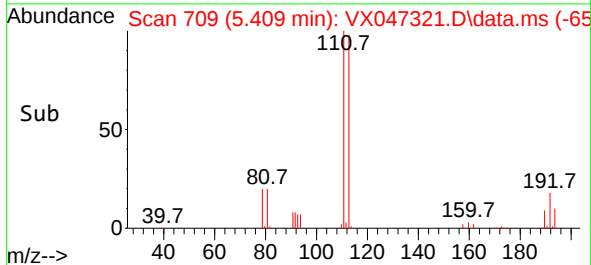
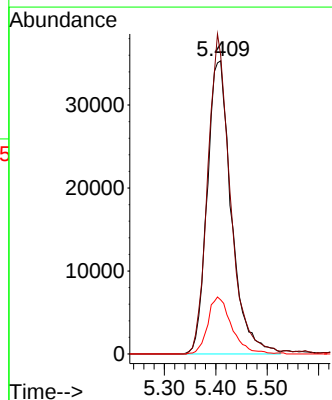
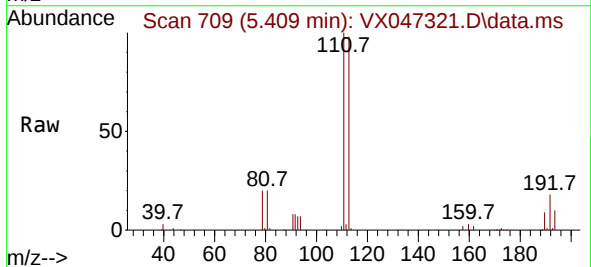
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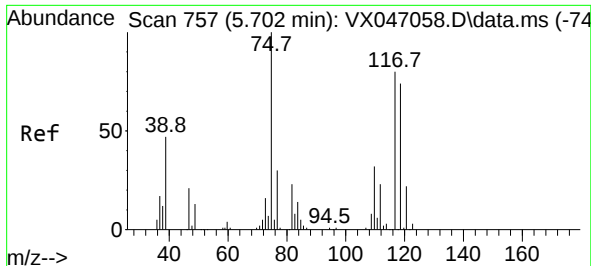
Tgt Ion:114 Resp: 334539
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.2
88 17.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 55.689 ug/l
RT: 5.409 min Scan# 709
Delta R.T. 0.012 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion:113 Resp: 115028
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.2 14.9 22.3

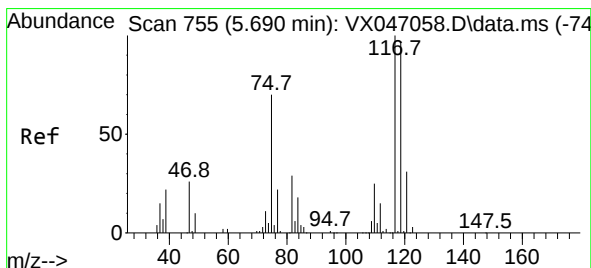
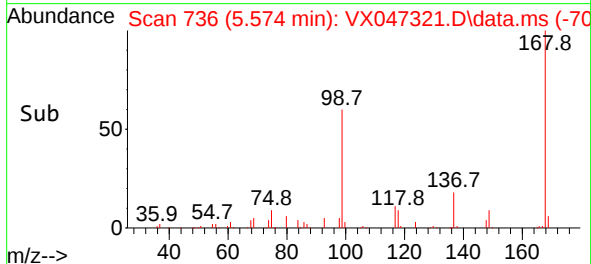
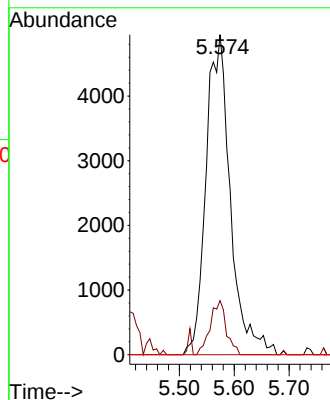
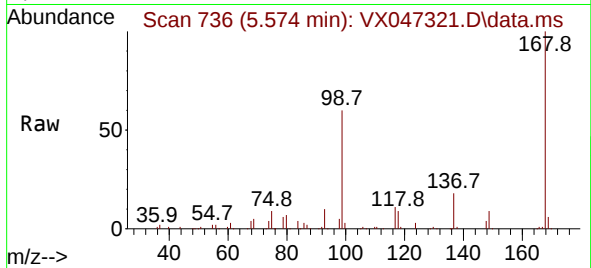




#36
1,1-Dichloropropene
Concen: 4.322 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.128 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

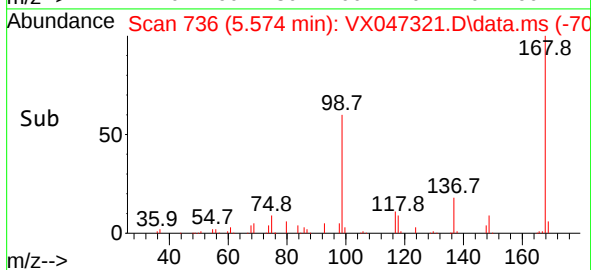
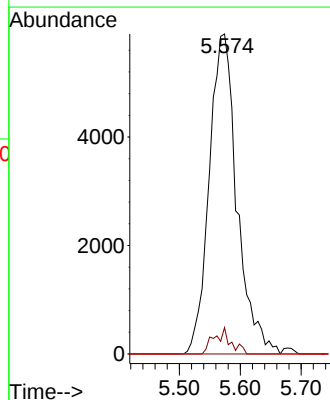
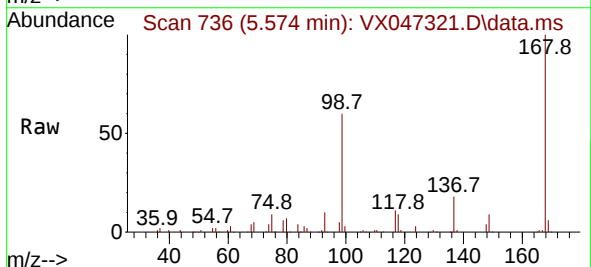
Instrument :
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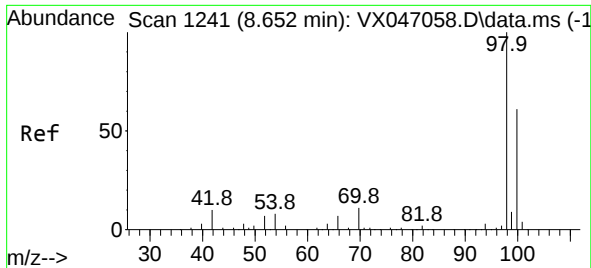
Tgt Ion: 75 Resp: 15218
Ion Ratio Lower Upper
75 100
110 11.2 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.971 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.116 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 117 Resp: 18682
Ion Ratio Lower Upper
117 100
119 8.3 76.6 115.0#
121 0.0 24.4 36.6#

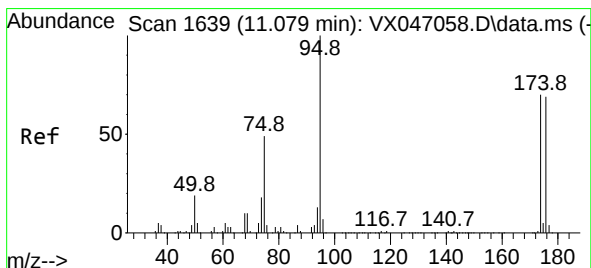
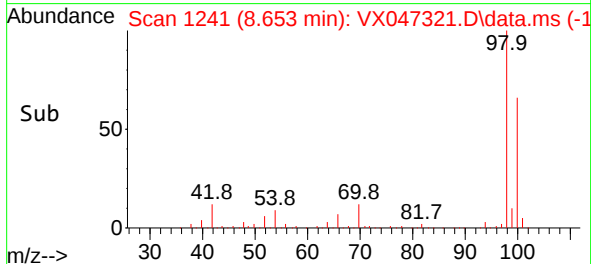
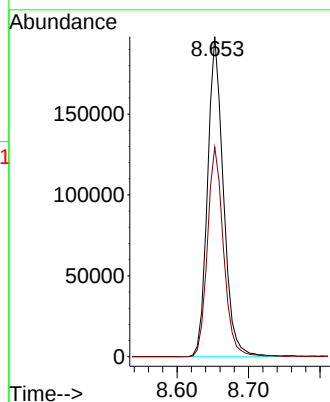
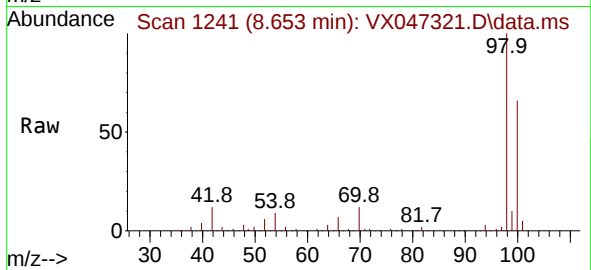




#50
Toluene-d8
Concen: 45.622 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

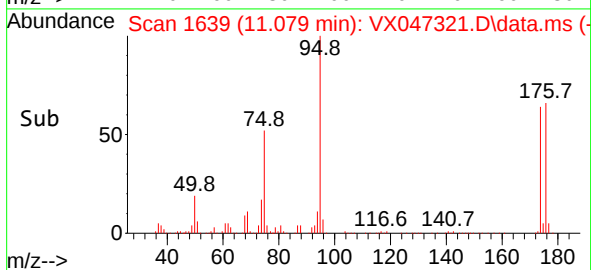
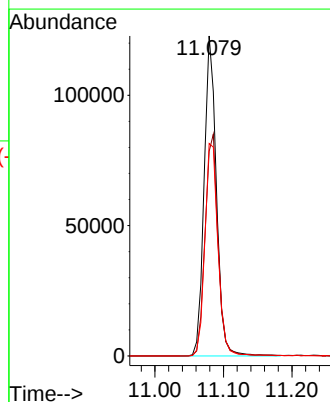
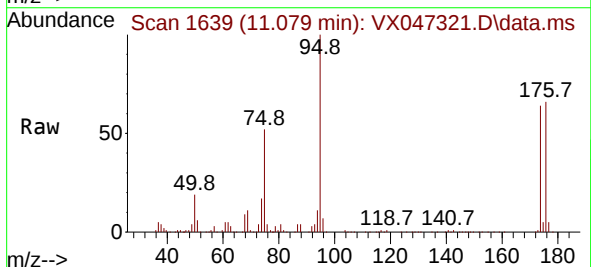
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

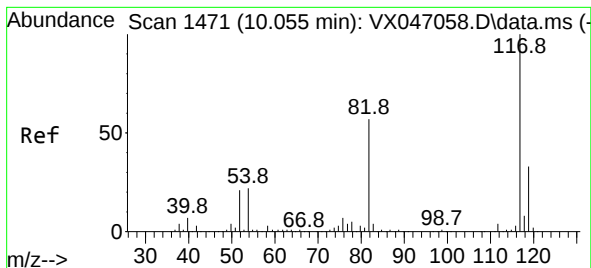
Tgt Ion: 98 Resp: 305174
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.303 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 95 Resp: 153657
Ion Ratio Lower Upper
95 100
174 72.7 0.0 144.6
176 71.1 0.0 139.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047321.D

Acq: 13 Aug 2025 14:45

Instrument :

MSVOA_X

ClientSampleId :

TW-518R-E

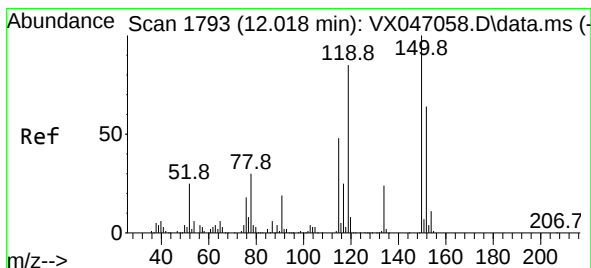
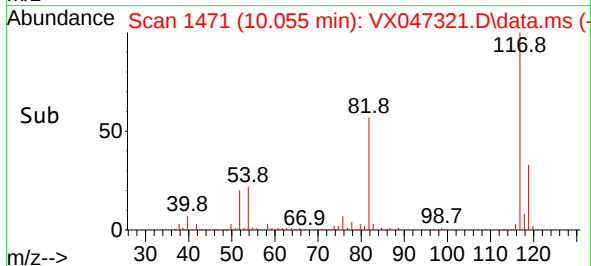
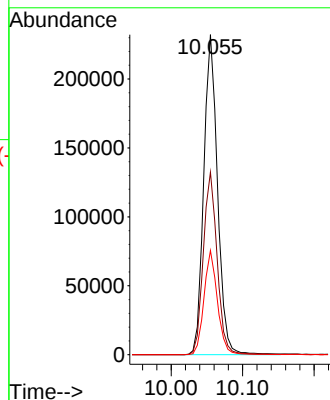
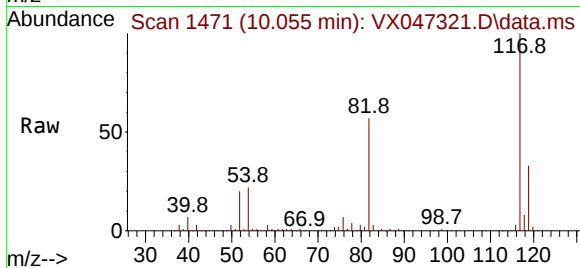
Tgt Ion:117 Resp: 311867

Ion Ratio Lower Upper

117 100

82 57.0 45.4 68.2

119 32.5 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX047321.D

Acq: 13 Aug 2025 14:45

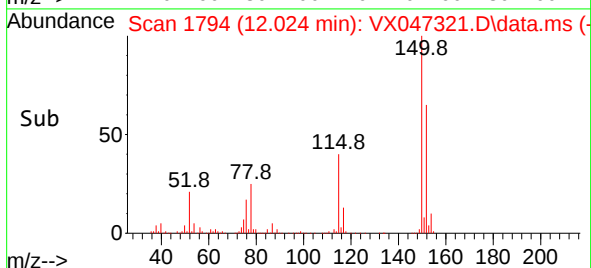
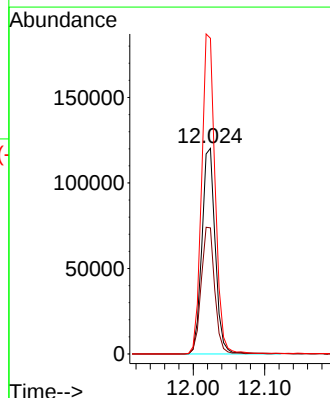
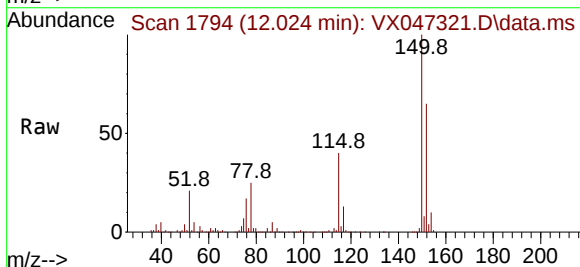
Tgt Ion:152 Resp: 156454

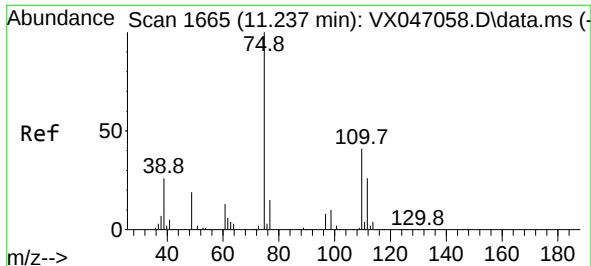
Ion Ratio Lower Upper

152 100

115 62.1 45.6 136.7

150 156.7 0.0 354.6

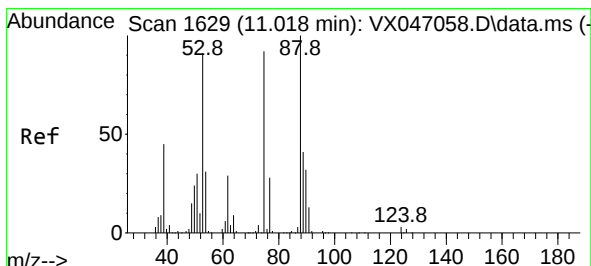
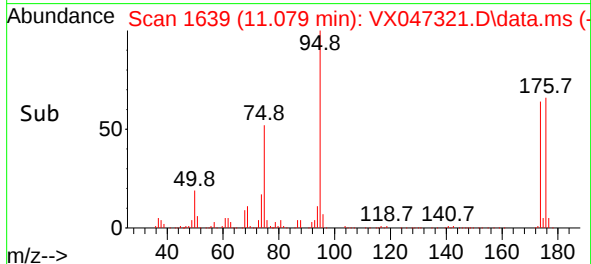
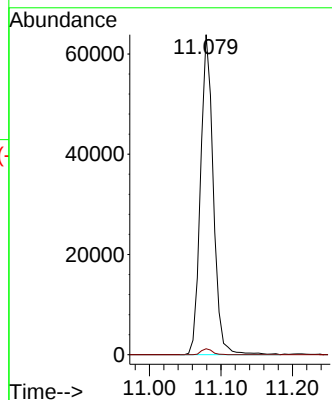
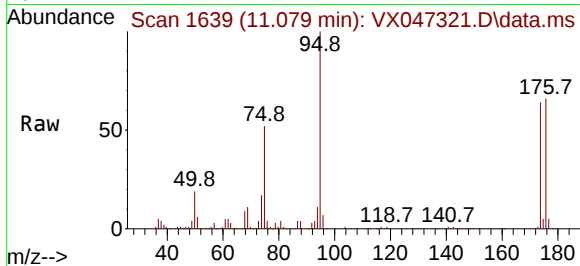




#76
1,2,3-Trichloropropane
Concen: 27.417 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion: 75 Resp: 79398
Ion Ratio Lower Upper
75 100
77 1.6 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.638 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 75 Resp: 79398
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

