

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047322.D
 Acq On : 13 Aug 2025 15:07
 Operator : JC/MD
 Sample : Q2814-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-518R-W

Quant Time: Aug 14 03:29:54 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)

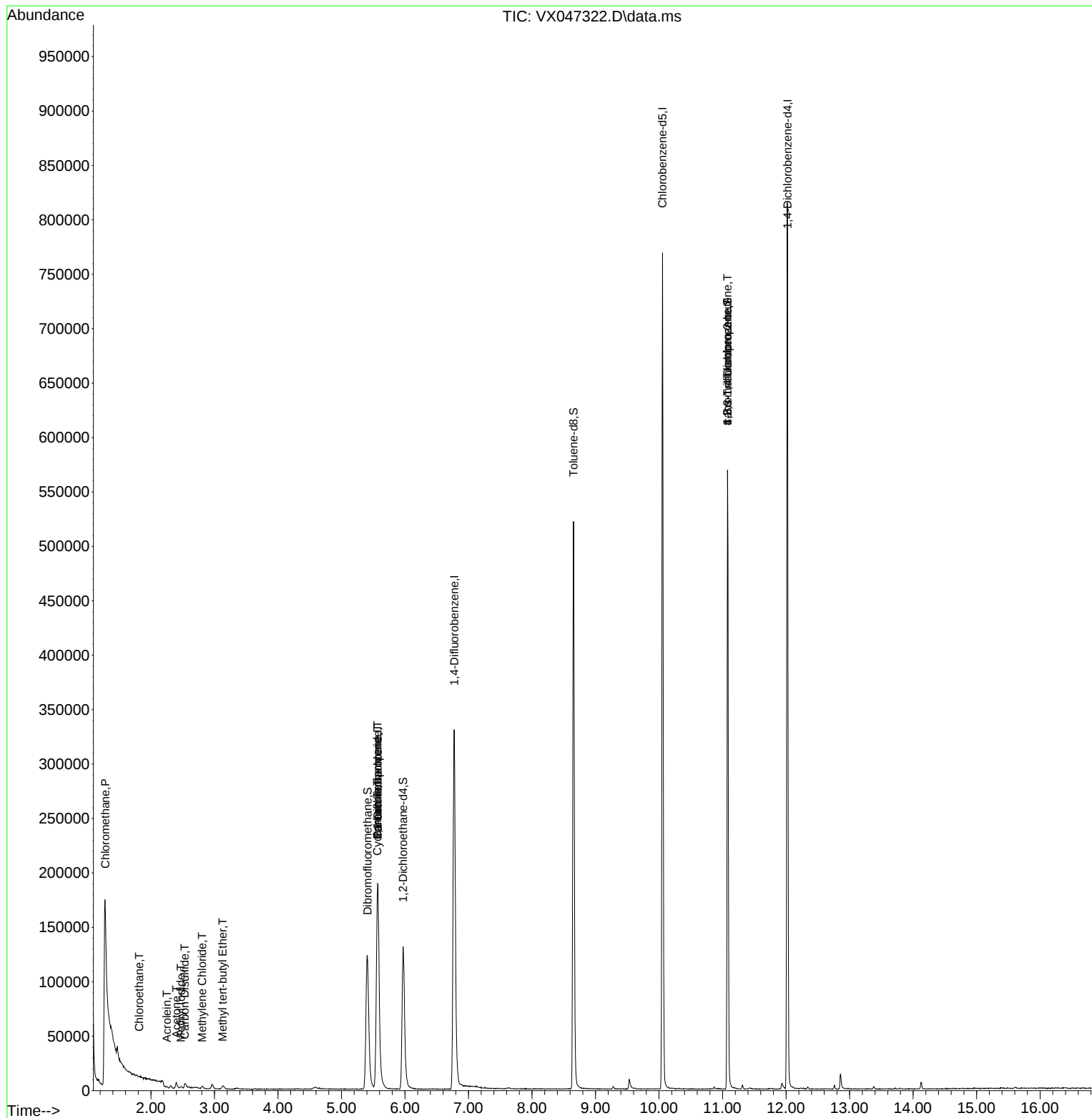
Internal Standards						
1) Pentafluorobenzene	5.568	168	191995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	355307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	335766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	138615	57.958	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.920%			
35) Dibromofluoromethane	5.410	113	118379	53.961	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.920%			
50) Toluene-d8	8.653	98	319298	44.943	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.880%#			
62) 4-Bromofluorobenzene	11.079	95	153320	50.078	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.160%			
Target Compounds			Qvalue			
3) Chloromethane	1.282	50	9809	3.888	ug/l #	43
6) Chloroethane	1.813	64	5458	3.065	ug/l #	59
10) Methyl Iodide	2.471	142	2380	0.959	ug/l #	87
11) Tert butyl alcohol	2.965	59	2007	Below Cal	#	72
13) Acrolein	2.252	56	202	0.392	ug/l #	1
16) Acetone	2.398	43	7687	8.023	ug/l #	85
17) Carbon Disulfide	2.532	76	5664	0.811	ug/l #	95
19) Methyl tert-butyl Ether	3.129	73	3567	0.486	ug/l	96
20) Methylene Chloride	2.806	84	876	0.332	ug/l #	81
31) Cyclohexane	5.562	56	3792	0.848	ug/l #	22
36) 1,1-Dichloropropene	5.568	75	15645	4.184	ug/l #	50
38) Carbon Tetrachloride	5.568	117	20503	5.137	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	80198	25.613	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	80198	65.990	ug/l #	8

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

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Quant Time: Aug 14 03:29:54 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

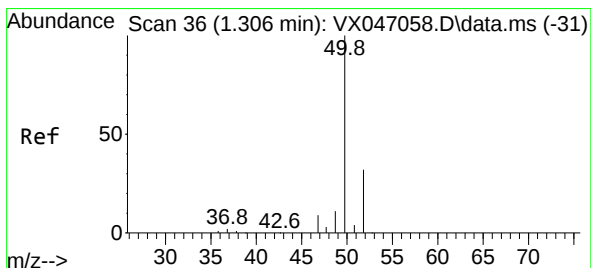
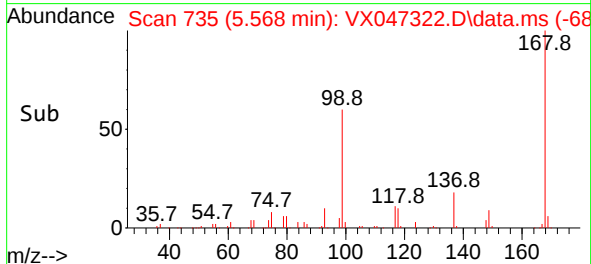
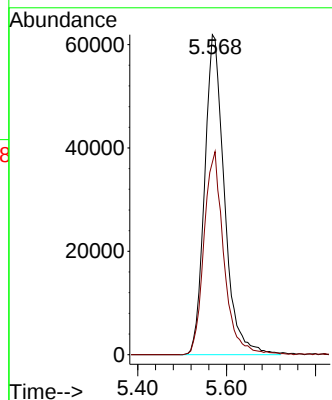
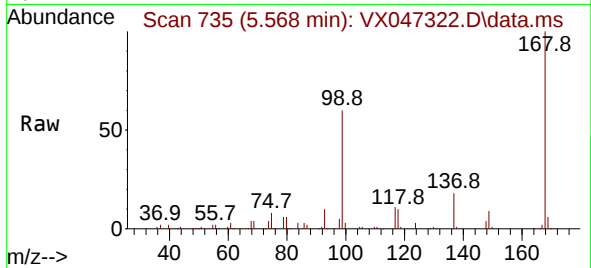




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

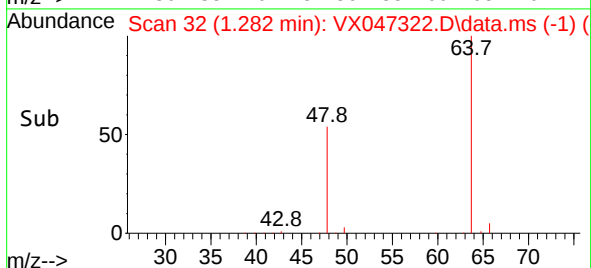
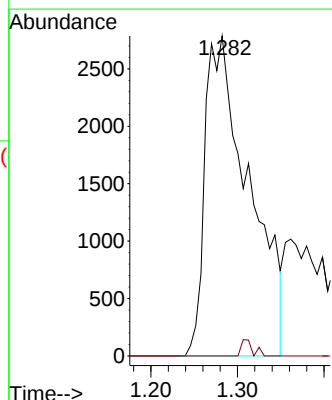
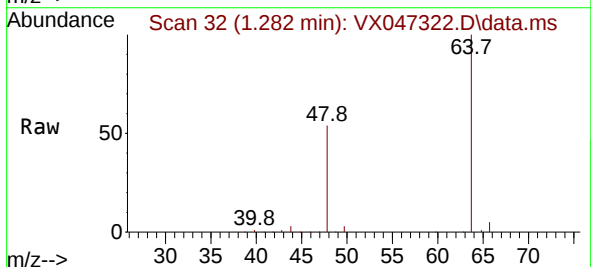
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

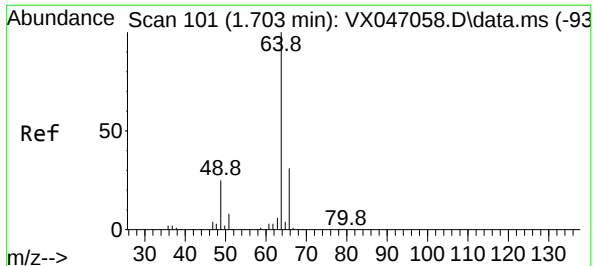
Tgt Ion:168 Resp: 191995
Ion Ratio Lower Upper
168 100
99 60.1 48.0 72.0



#3
Chloromethane
Concen: 3.888 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.024 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 50 Resp: 9809
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

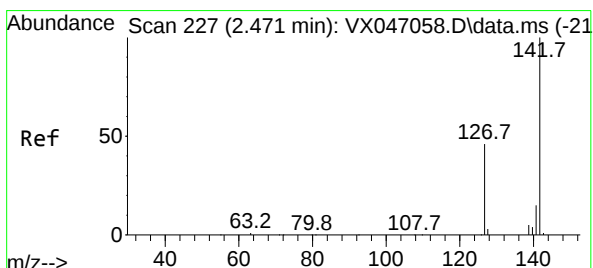
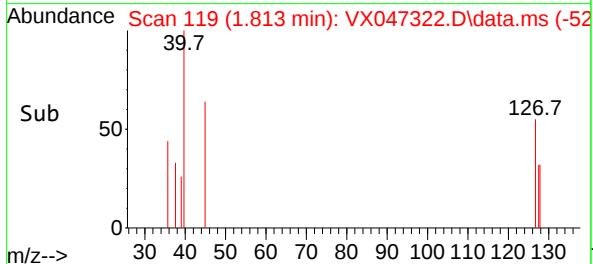
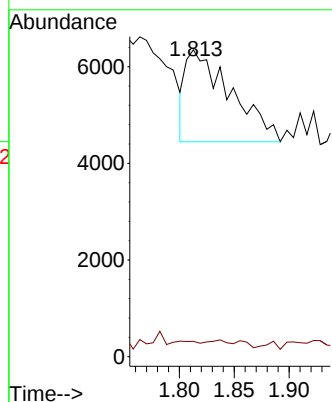
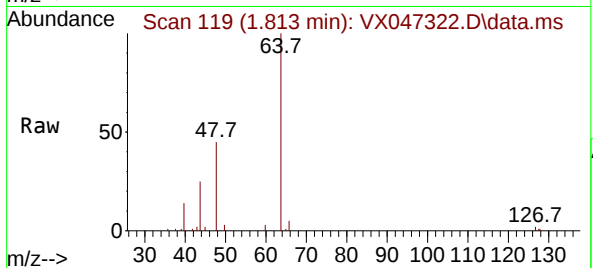




#6
Chloroethane
Concen: 3.065 ug/l
RT: 1.813 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

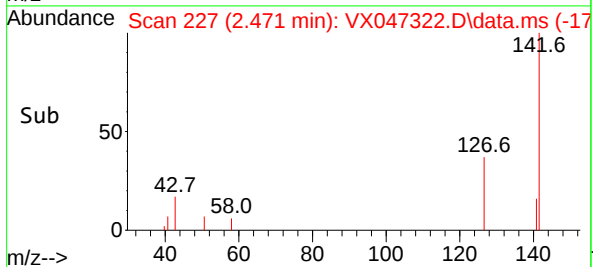
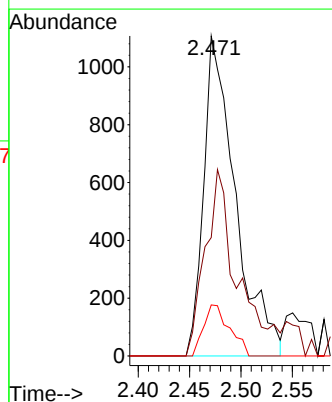
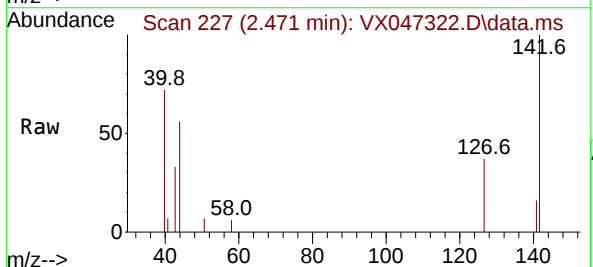
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

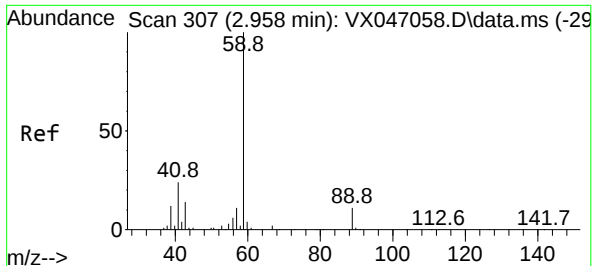
Tgt Ion: 64 Resp: 5458
Ion Ratio Lower Upper
64 100
66 8.7 25.0 37.6#



#10
Methyl Iodide
Concen: 0.959 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:142 Resp: 2380
Ion Ratio Lower Upper
142 100
127 56.4 36.6 54.8#
141 13.1 10.9 16.3

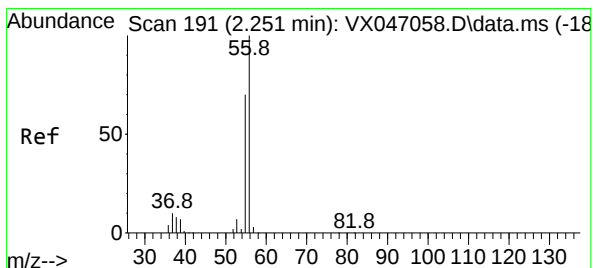
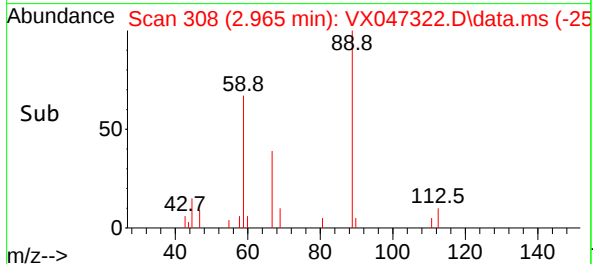
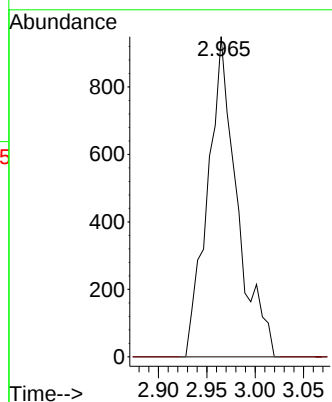
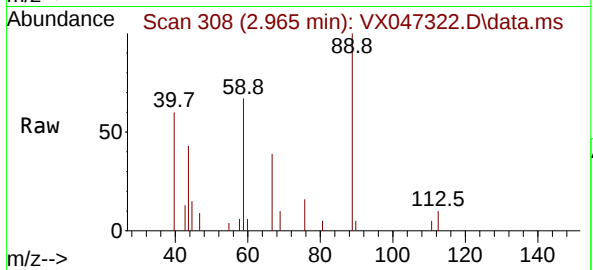




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 307
Delta R.T. 0.007 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

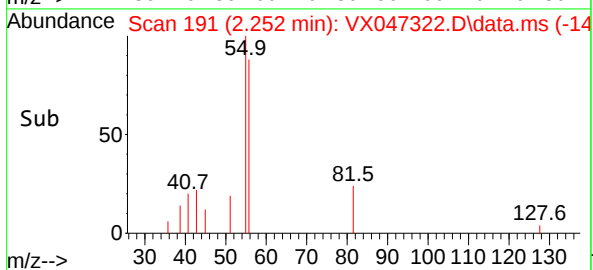
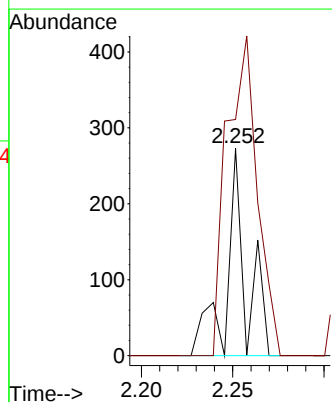
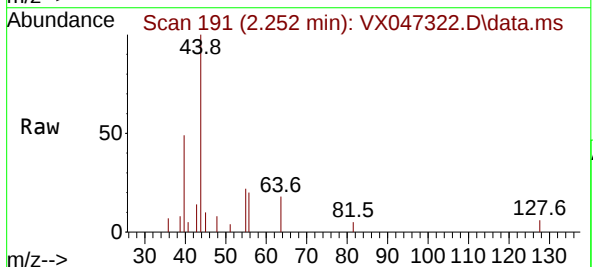
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

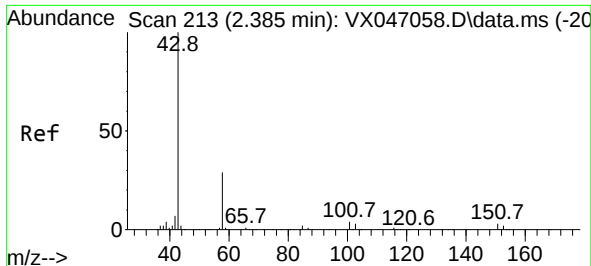
Tgt Ion: 59 Resp: 2007
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.392 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 242.1 55.7 83.5#

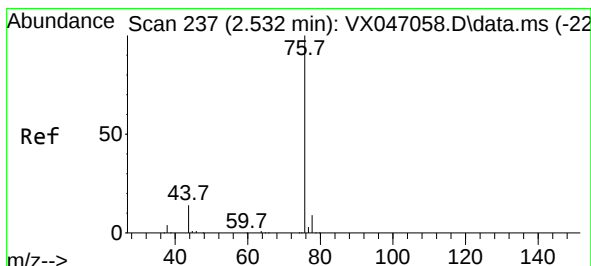
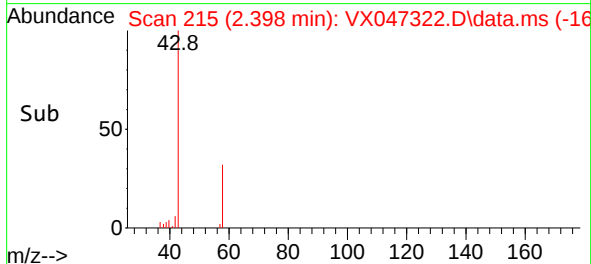
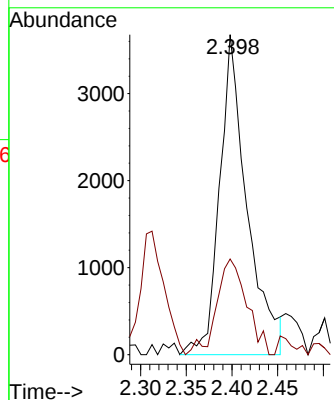
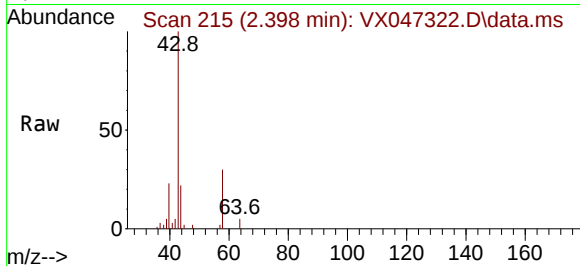




#16
Acetone
Concen: 8.023 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

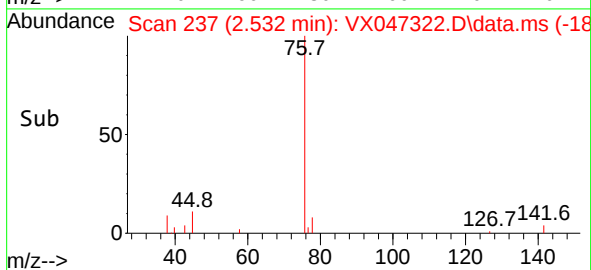
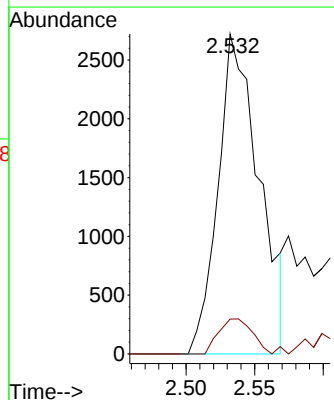
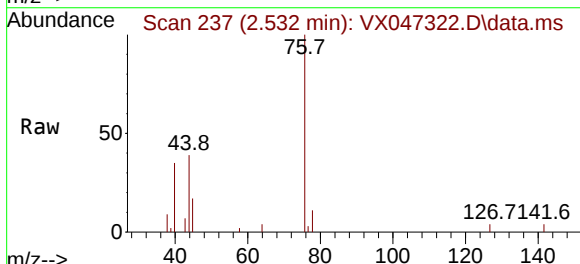
Instrument :
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ClientSampleId :
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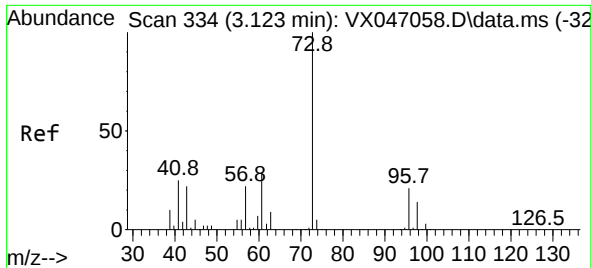
Tgt Ion: 43 Resp: 7687
Ion Ratio Lower Upper
43 100
58 21.9 24.0 36.0#



#17
Carbon Disulfide
Concen: 0.811 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 76 Resp: 5664
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.4#

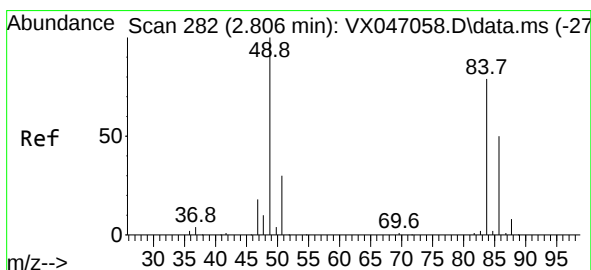
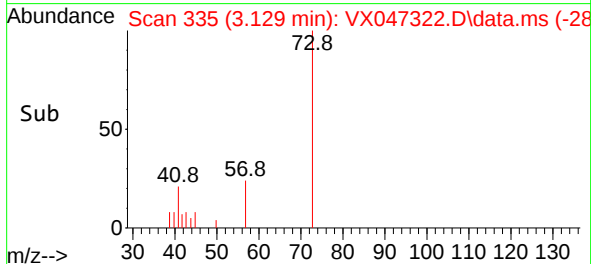
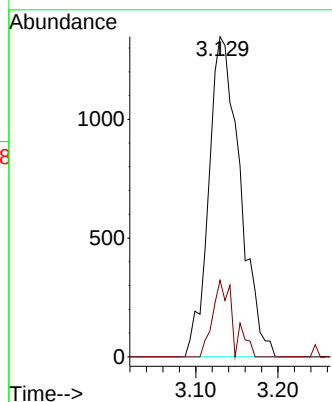
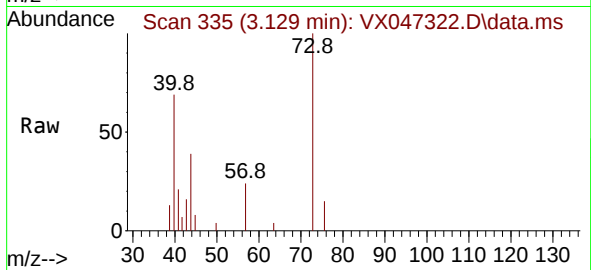




#19
Methyl tert-butyl Ether
Concen: 0.486 ug/l
RT: 3.129 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

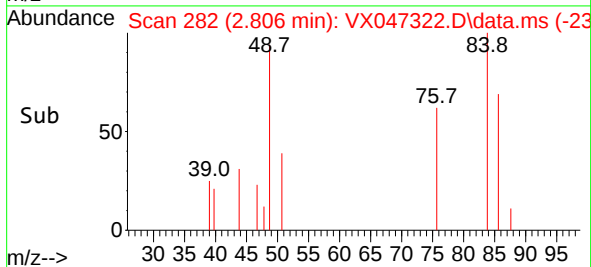
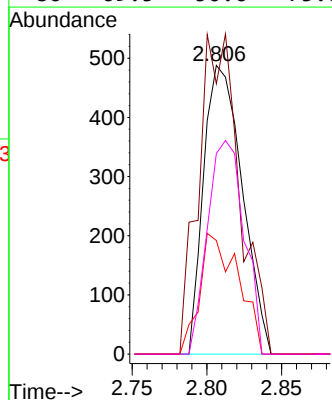
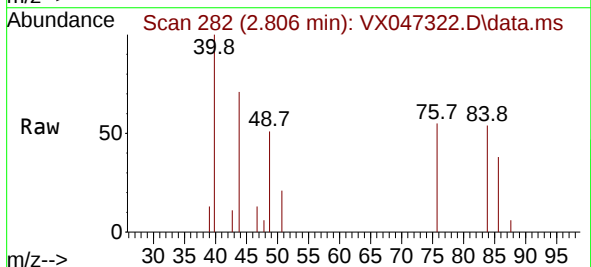
Instrument :
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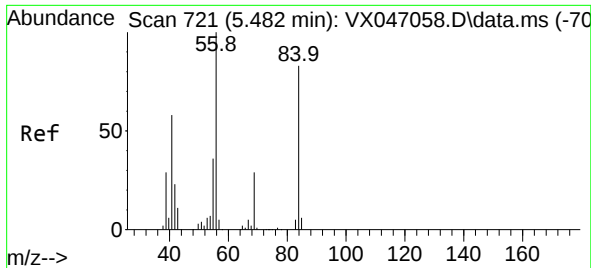
Tgt Ion: 73 Resp: 3567
Ion Ratio Lower Upper
73 100
57 23.9 17.7 26.5



#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 84 Resp: 876
Ion Ratio Lower Upper
84 100
49 93.6 101.6 152.4#
51 39.3 30.3 45.5
86 69.5 50.6 75.8

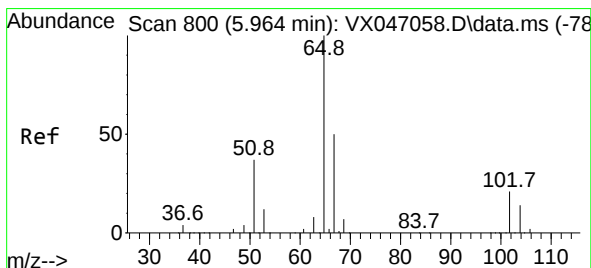
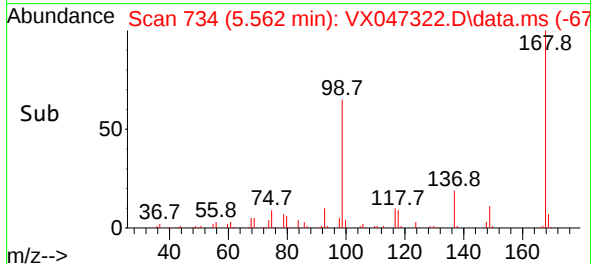
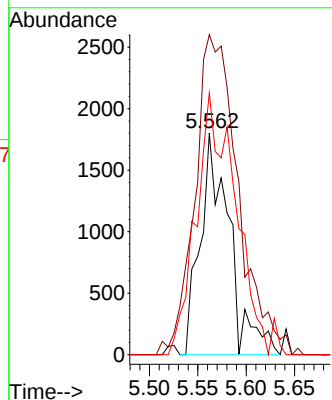
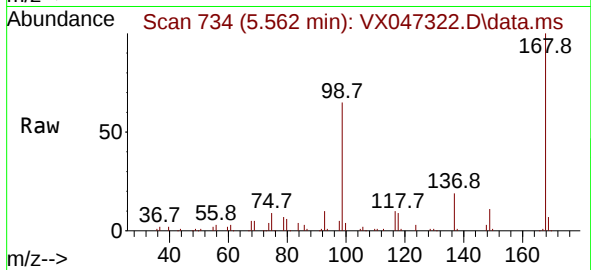




#31
Cyclohexane
Concen: 0.848 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.080 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

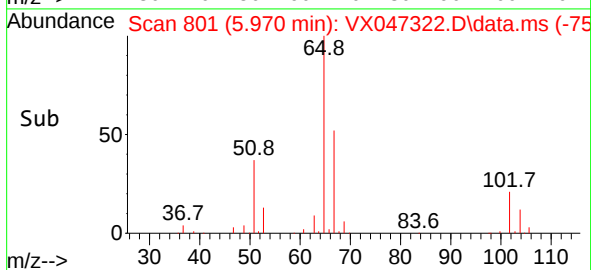
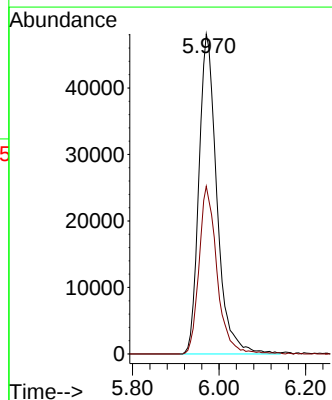
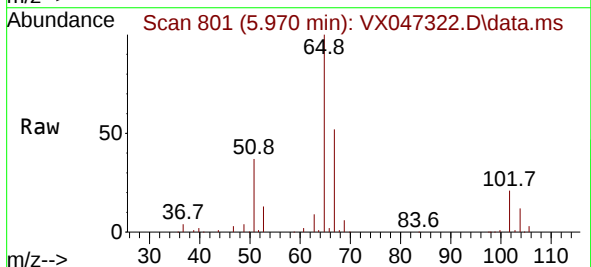
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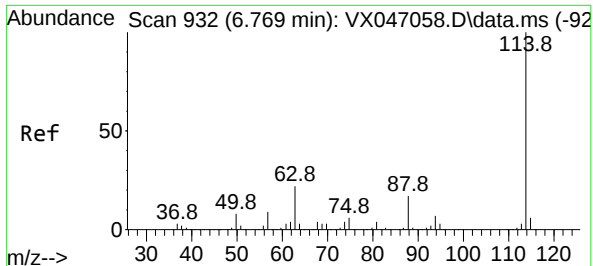
Tgt Ion: 56 Resp: 3792
Ion Ratio Lower Upper
56 100
69 137.4 23.3 34.9#
84 113.9 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 57.958 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 65 Resp: 138615
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8

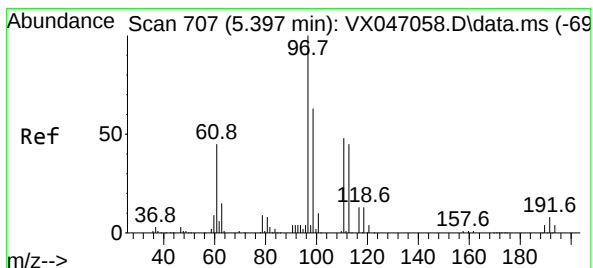
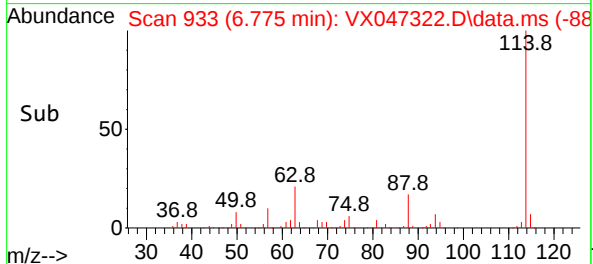
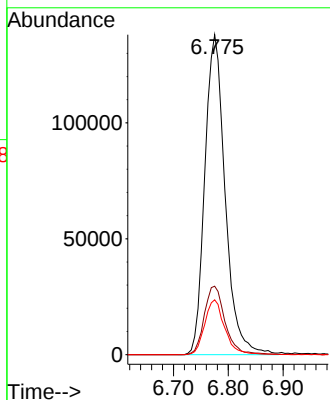
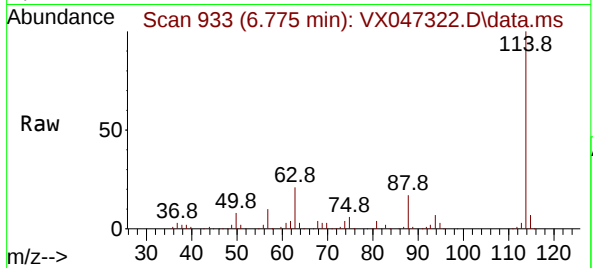




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

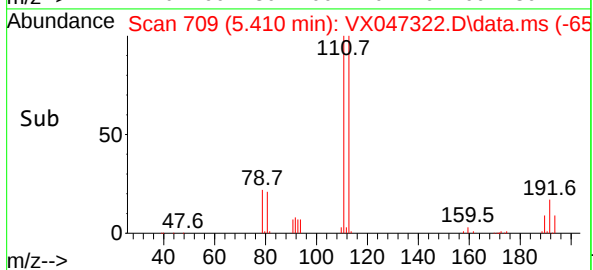
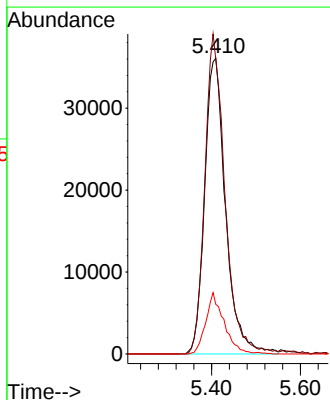
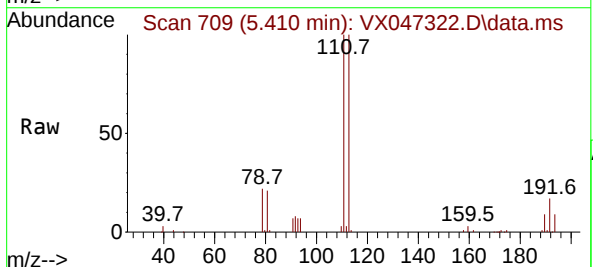
Instrument :
MSVOA_X
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TW-518R-W

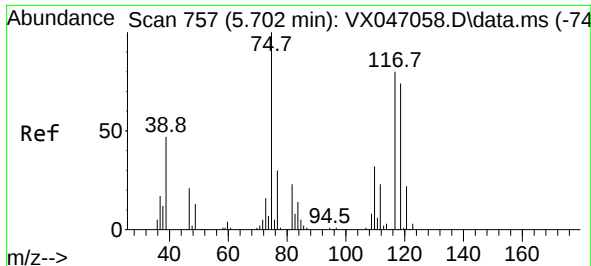
Tgt Ion:114 Resp: 355307
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.2
88 17.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 53.961 ug/l
RT: 5.410 min Scan# 709
Delta R.T. 0.013 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:113 Resp: 118379
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 18.1 14.9 22.3

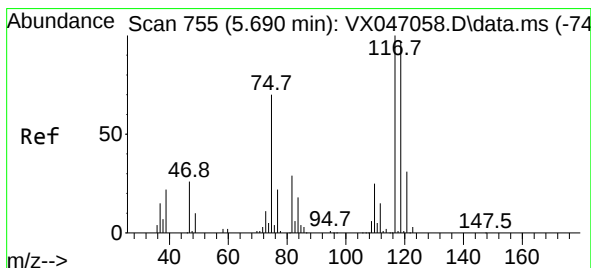
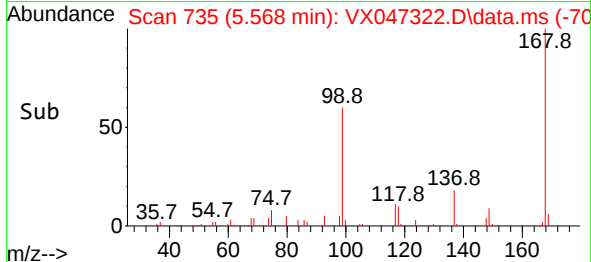
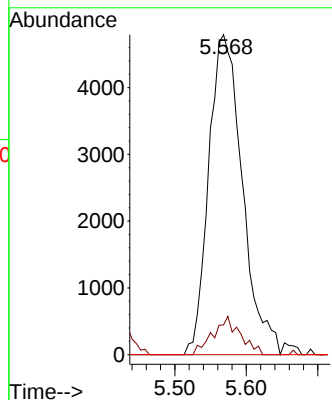
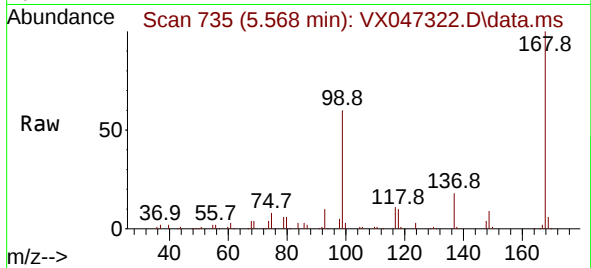




#36
1,1-Dichloropropene
Concen: 4.184 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

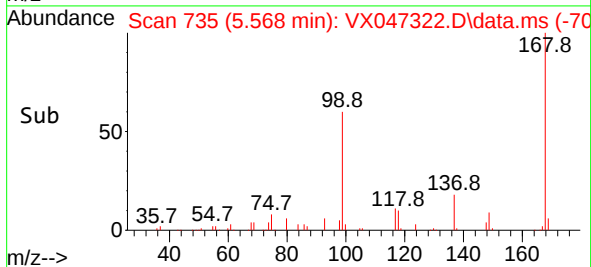
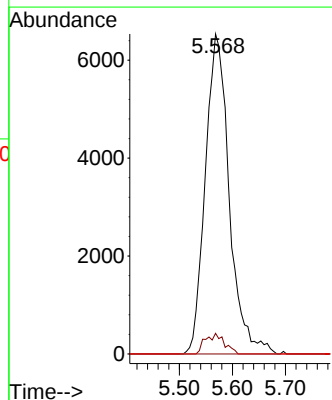
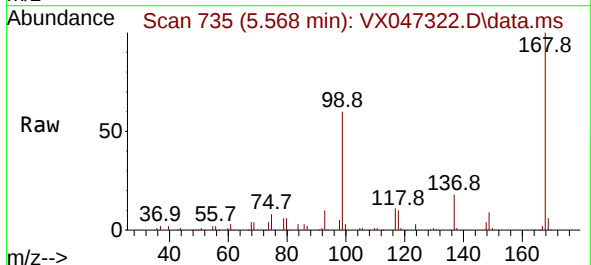
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

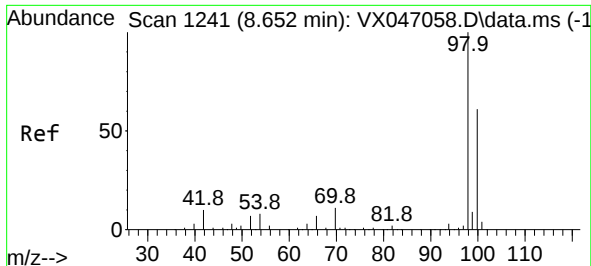
Tgt Ion: 75 Resp: 15645
Ion Ratio Lower Upper
75 100
110 9.7 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.137 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 117 Resp: 20503
Ion Ratio Lower Upper
117 100
119 6.5 76.6 115.0#
121 0.0 24.4 36.6#

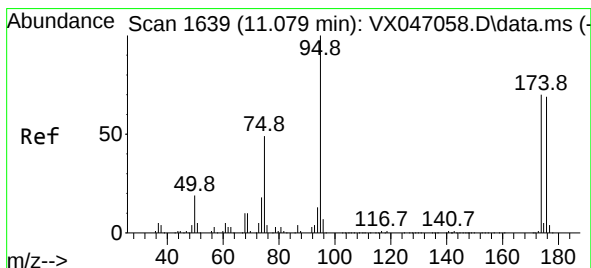
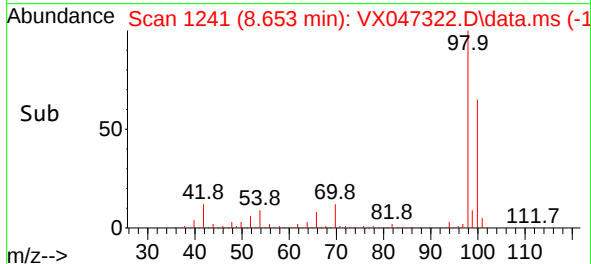
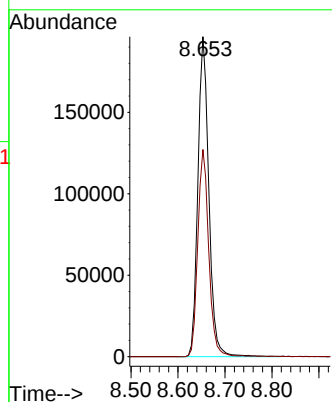
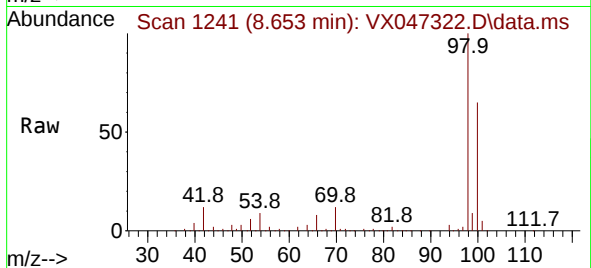




#50
Toluene-d8
Concen: 44.943 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

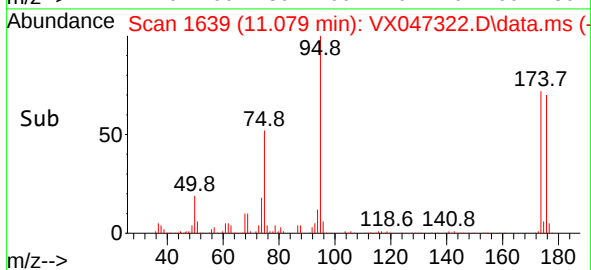
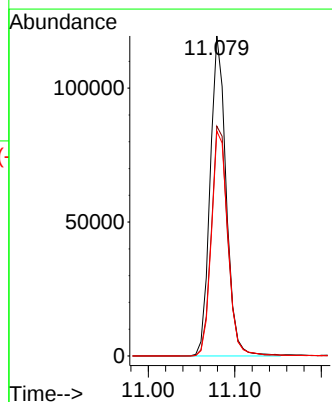
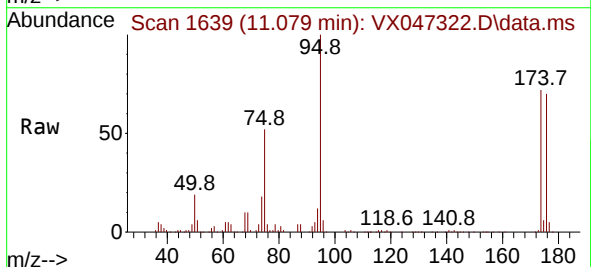
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

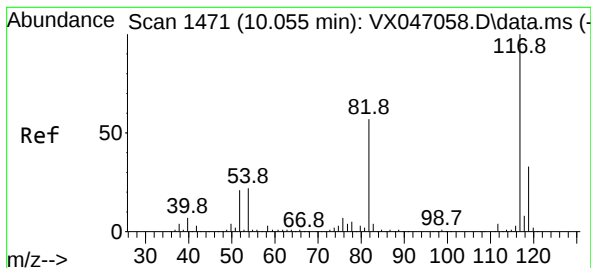
Tgt Ion: 98 Resp: 319298
Ion Ratio Lower Upper
98 100
100 65.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 95 Resp: 153320
Ion Ratio Lower Upper
95 100
174 73.6 0.0 144.6
176 72.7 0.0 139.6

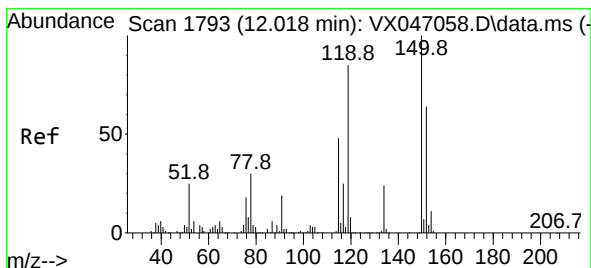
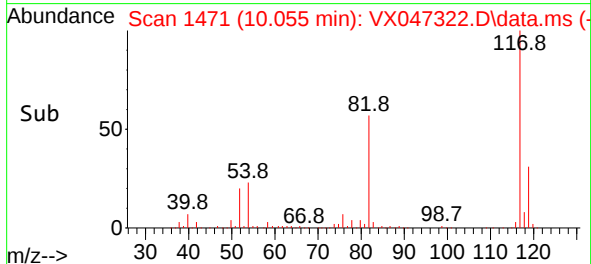
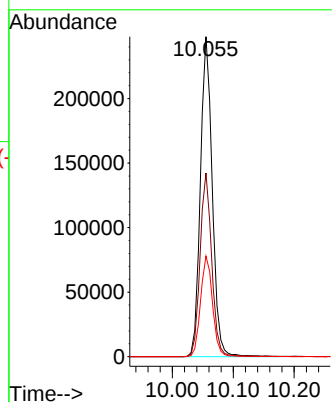
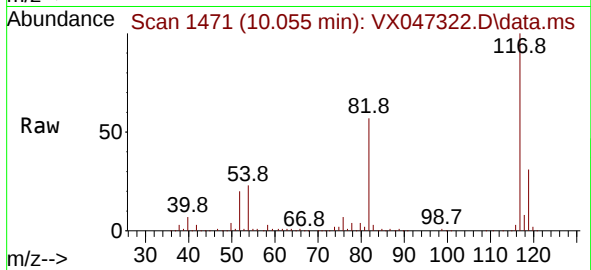




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

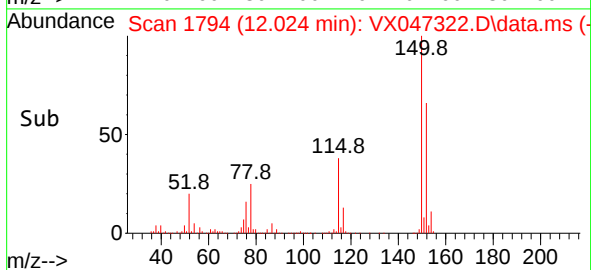
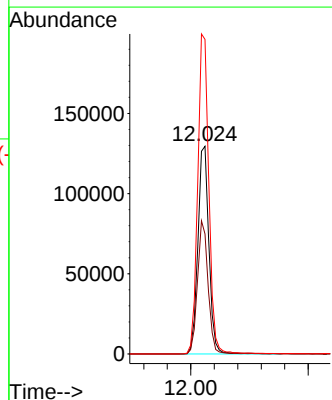
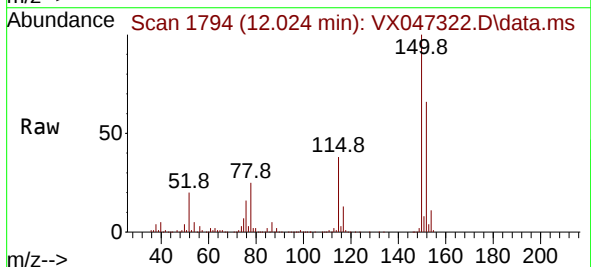
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

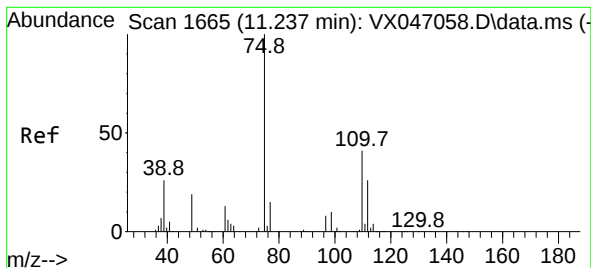
Tgt Ion:117 Resp: 335766
Ion Ratio Lower Upper
117 100
82 57.4 45.4 68.2
119 31.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:152 Resp: 169163
Ion Ratio Lower Upper
152 100
115 61.3 45.6 136.7
150 155.1 0.0 354.6





#76

1,2,3-Trichloropropane

Concen: 25.613 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

Instrument :

MSVOA_X

ClientSampleId :

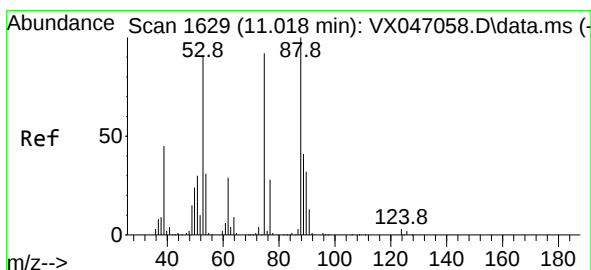
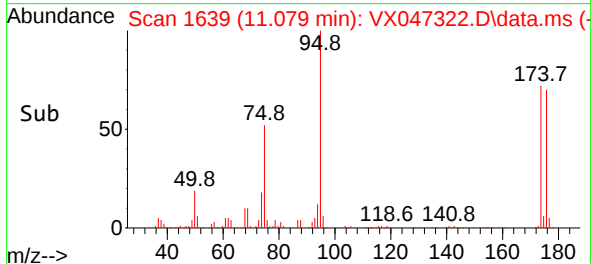
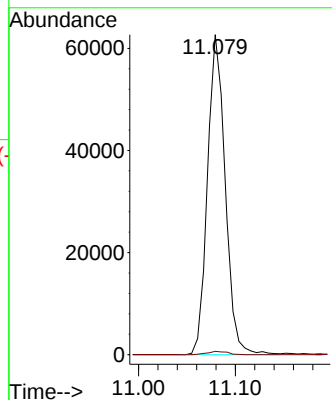
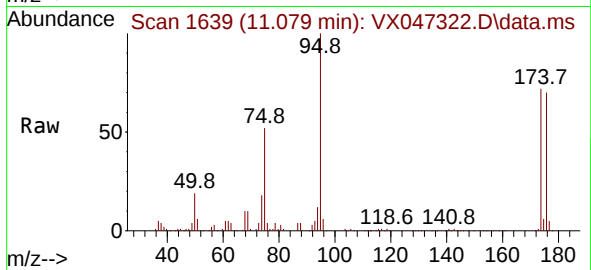
TW-518R-W

Tgt Ion: 75 Resp: 80198

Ion Ratio Lower Upper

75 100

77 1.1 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.990 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047322.D

Acq: 13 Aug 2025 15:07

Tgt Ion: 75 Resp: 80198

Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

89 0.0 36.0 54.0#

