

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047320.D
 Acq On : 13 Aug 2025 14:24
 Operator : JC/MD
 Sample : Q2814-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-518R-N

Quant Time: Aug 14 03:29:11 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)

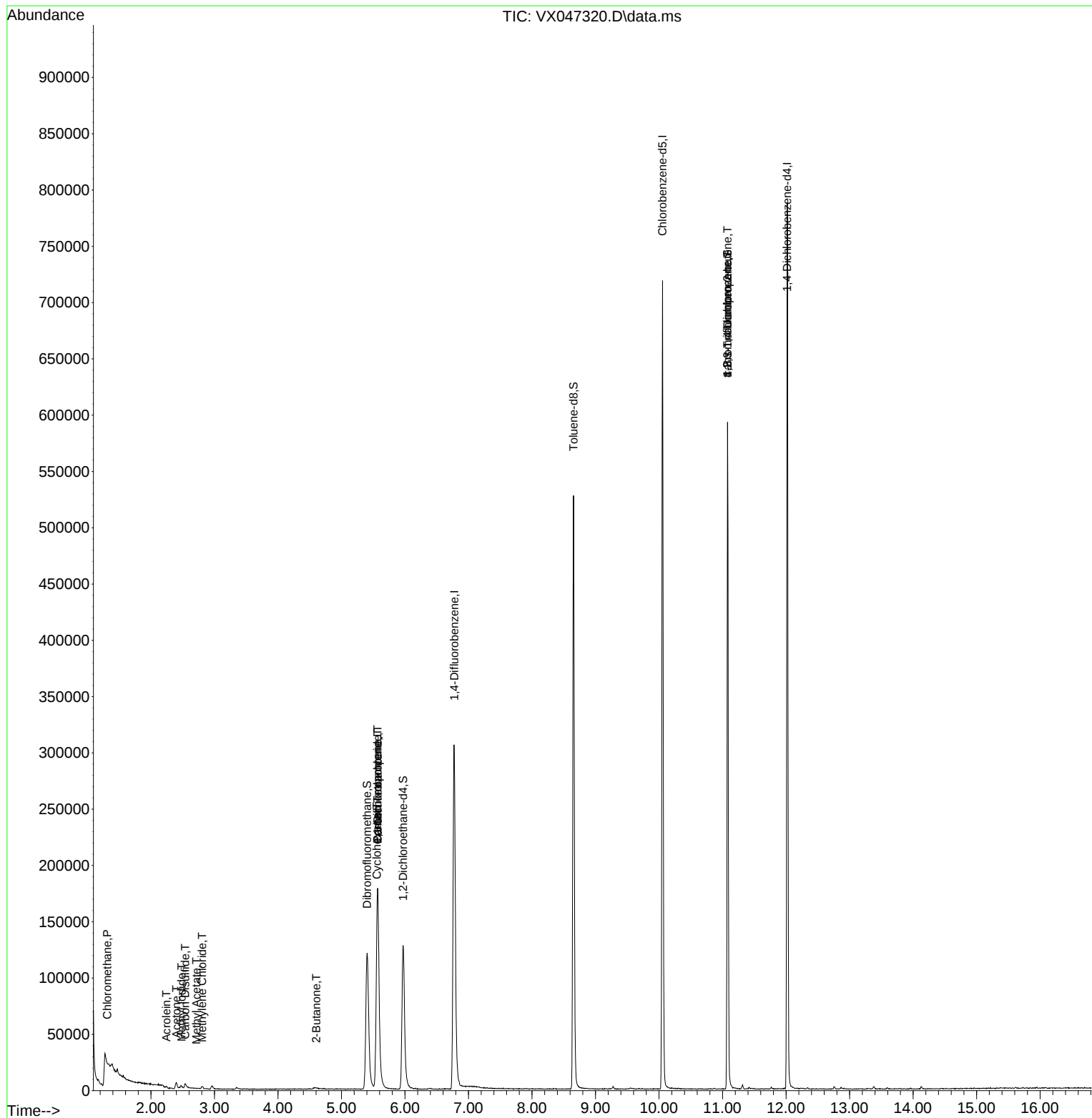
Internal Standards						
1) Pentafluorobenzene	5.568	168	180502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	338323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	158976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	139346	61.973	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 123.940%#		
35) Dibromofluoromethane	5.403	113	118435	56.697	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 113.400%		
50) Toluene-d8	8.653	98	313555	46.350	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 92.700%		
62) 4-Bromofluorobenzene	11.079	95	156885	53.814	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 107.620%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	525	0.221	ug/l #	43
10) Methyl Iodide	2.483	142	3489	1.495	ug/l	96
11) Tert butyl alcohol	2.959	59	1175	Below Cal	#	72
13) Acrolein	2.239	56	124	0.256	ug/l #	49
16) Acetone	2.398	43	7954	8.830	ug/l	97
17) Carbon Disulfide	2.538	76	4495	0.685	ug/l	97
18) Methyl Acetate	2.715	43	506	0.211	ug/l #	54
20) Methylene Chloride	2.806	84	933	0.377	ug/l #	70
25) 2-Butanone	4.605	43	520	0.396	ug/l #	52
31) Cyclohexane	5.556	56	4268	1.015	ug/l #	10
36) 1,1-Dichloropropene	5.568	75	15258	4.285	ug/l #	50
38) Carbon Tetrachloride	5.568	117	19604	5.158	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	83548	28.393	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	83548	73.151	ug/l #	8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Quant Time: Aug 14 03:29:11 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

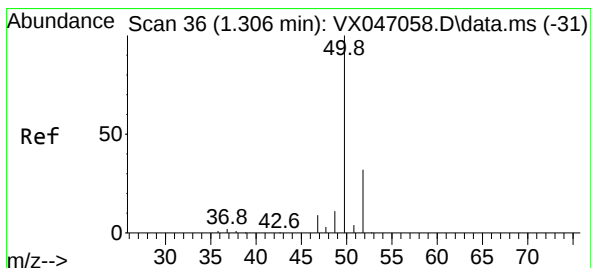
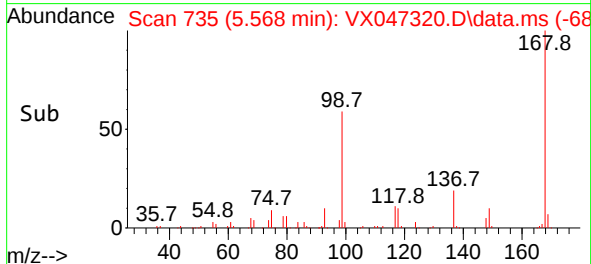
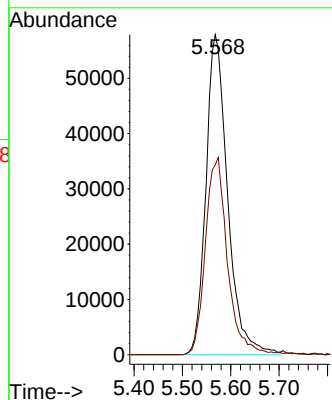
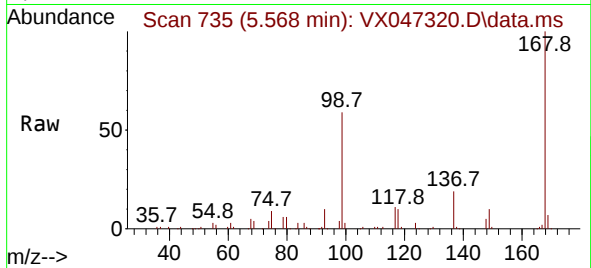




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

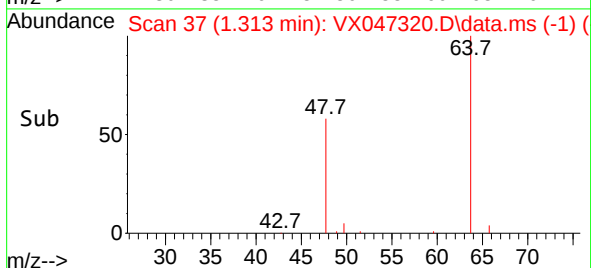
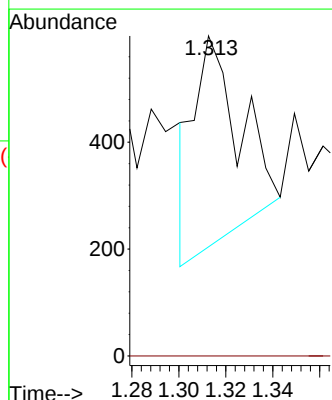
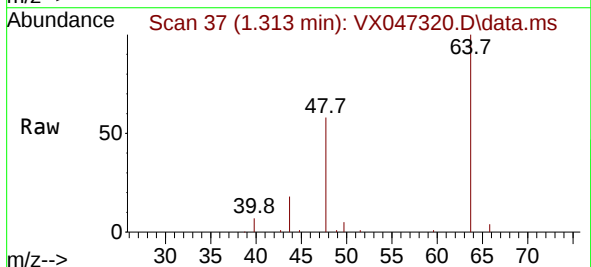
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

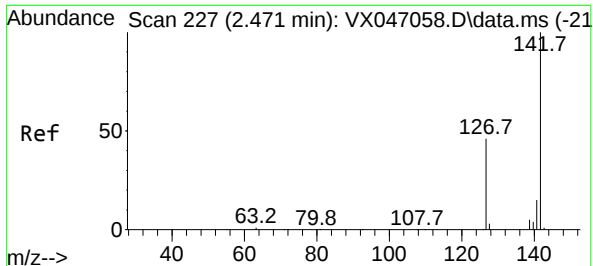
Tgt Ion:168 Resp: 180502
Ion Ratio Lower Upper
168 100
99 59.3 48.0 72.0



#3
Chloromethane
Concen: 0.221 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

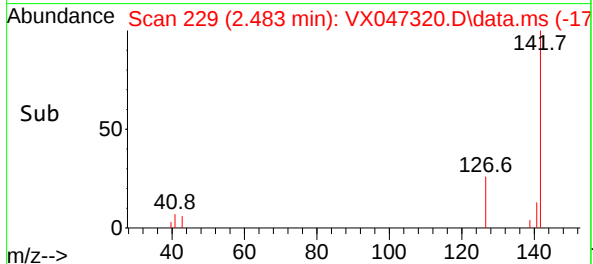
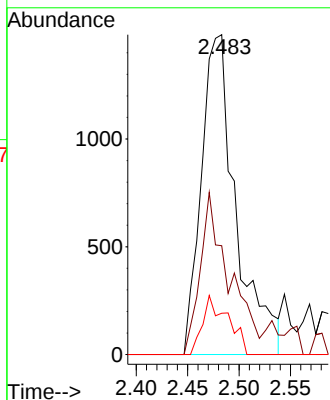
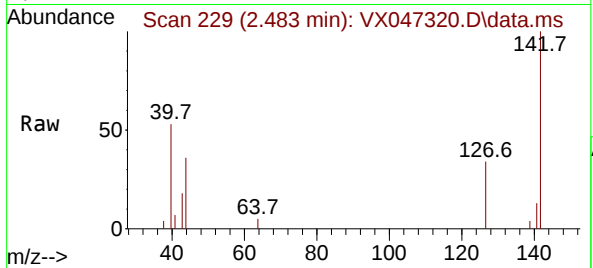




#10
Methyl Iodide
Concen: 1.495 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

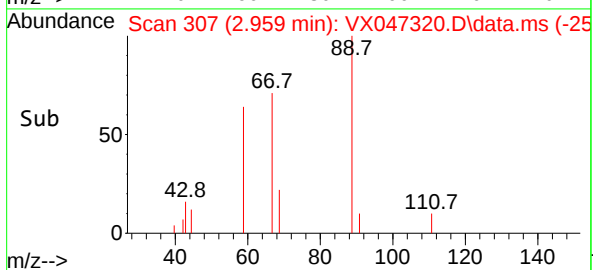
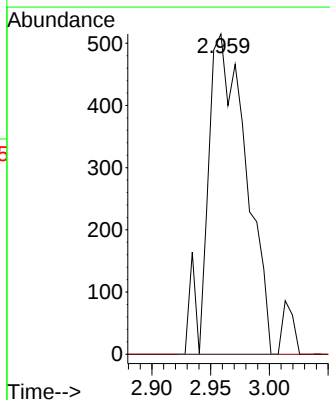
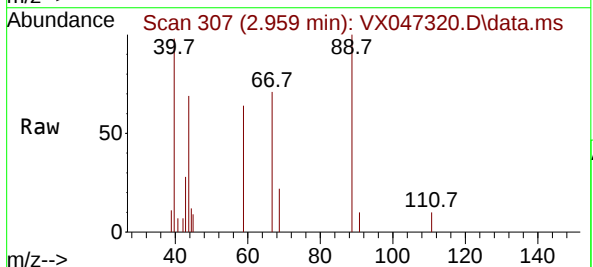
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

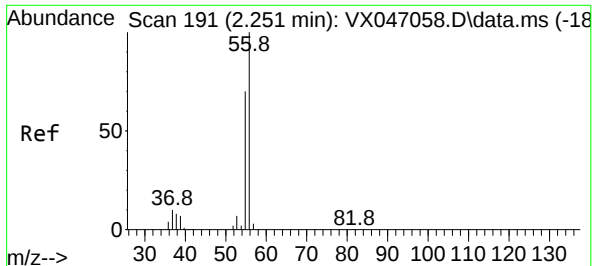
Tgt Ion:142 Resp: 3489
Ion Ratio Lower Upper
142 100
127 42.6 36.6 54.8
141 13.4 10.9 16.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 59 Resp: 1175
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.256 ug/l

RT: 2.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX047320.D

Acq: 13 Aug 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

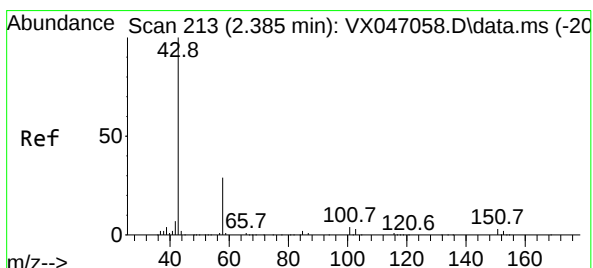
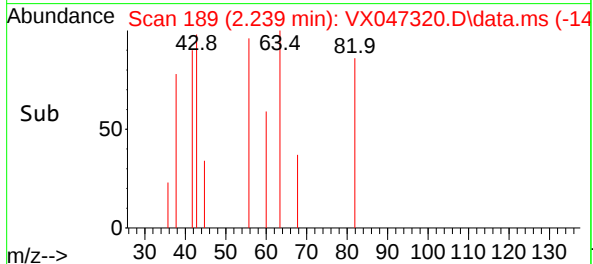
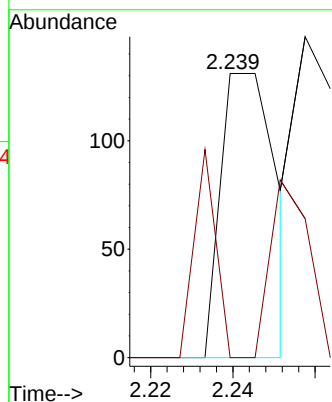
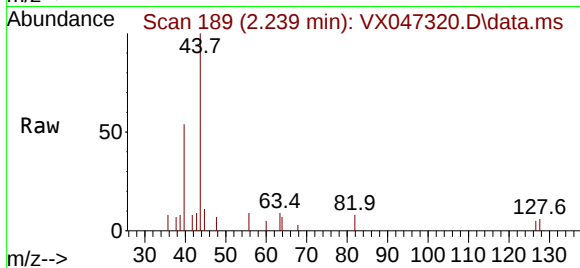
TW-518R-N

Tgt Ion: 56 Resp: 124

Ion Ratio Lower Upper

56 100

55 28.2 55.7 83.5#



#16

Acetone

Concen: 8.830 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX047320.D

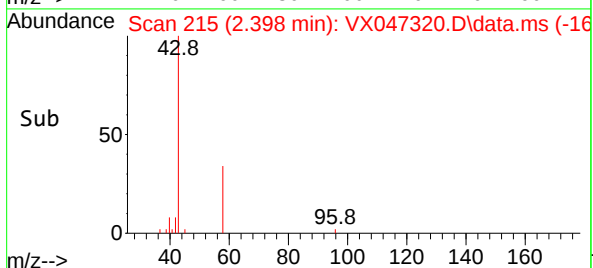
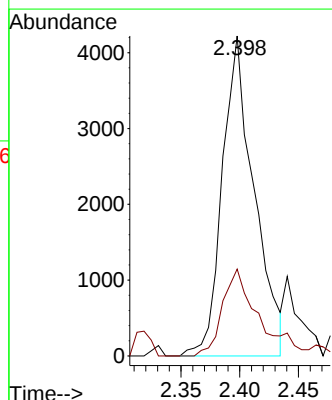
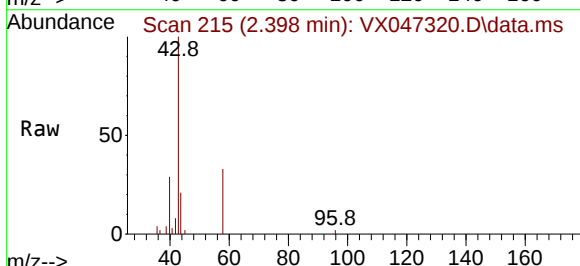
Acq: 13 Aug 2025 14:24

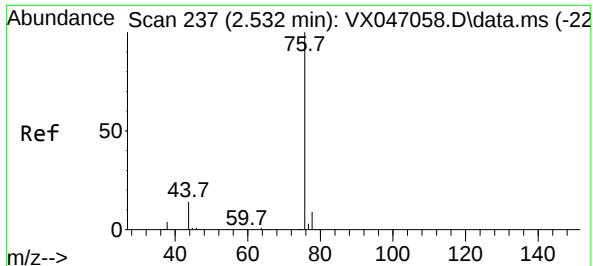
Tgt Ion: 43 Resp: 7954

Ion Ratio Lower Upper

43 100

58 31.9 24.0 36.0





#17

Carbon Disulfide

Concen: 0.685 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047320.D

Acq: 13 Aug 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

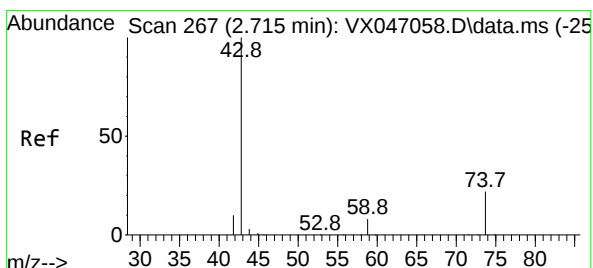
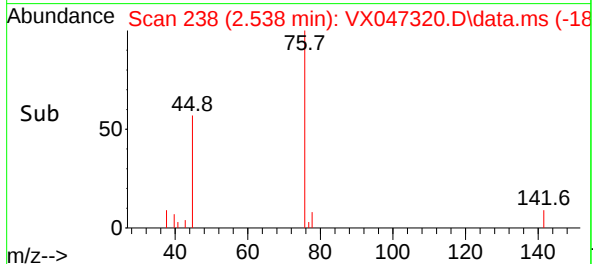
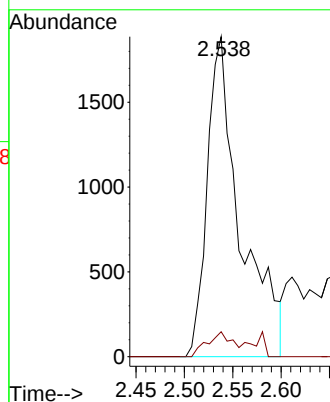
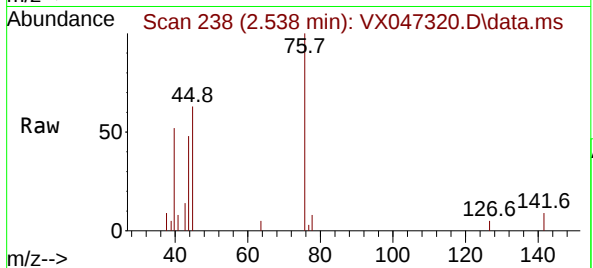
TW-518R-N

Tgt Ion: 76 Resp: 4495

Ion Ratio Lower Upper

76 100

78 7.8 7.0 10.4



#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.000 min

Lab File: VX047320.D

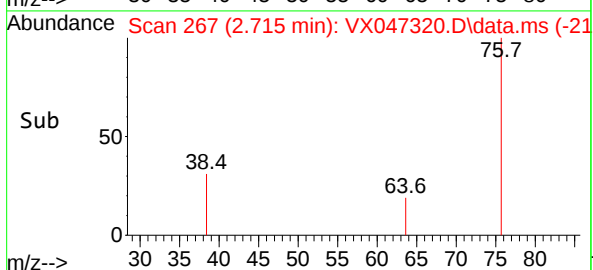
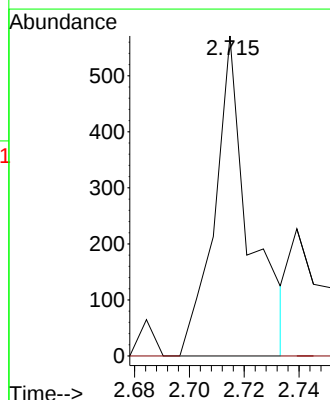
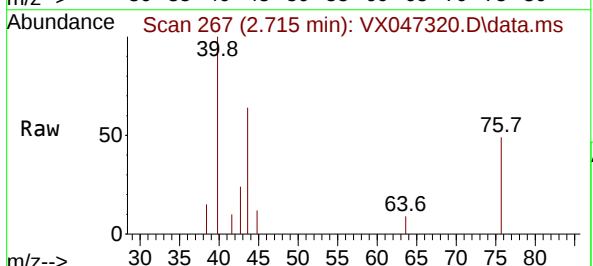
Acq: 13 Aug 2025 14:24

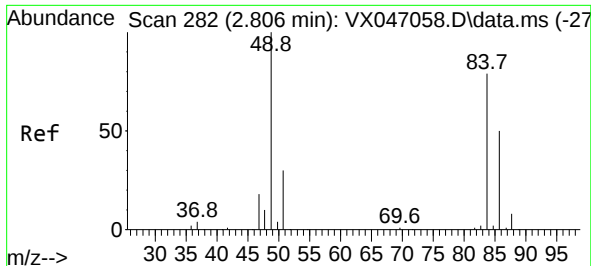
Tgt Ion: 43 Resp: 506

Ion Ratio Lower Upper

43 100

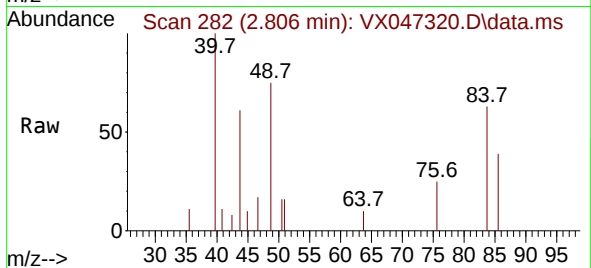
74 0.0 17.7 26.5#



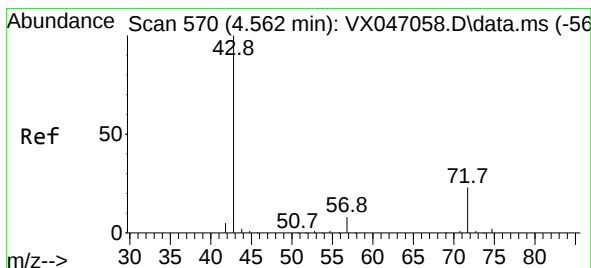
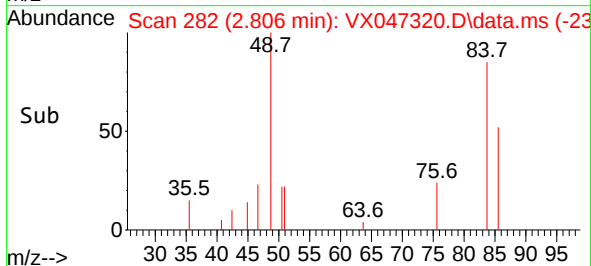
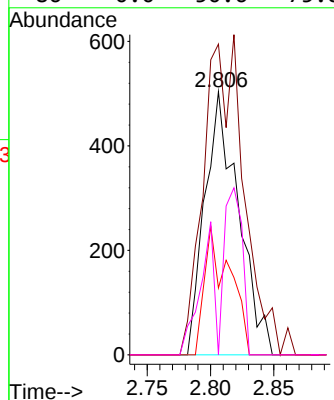


#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

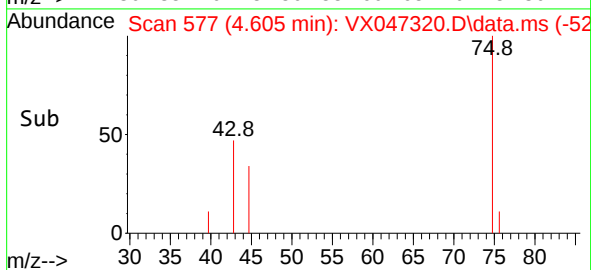
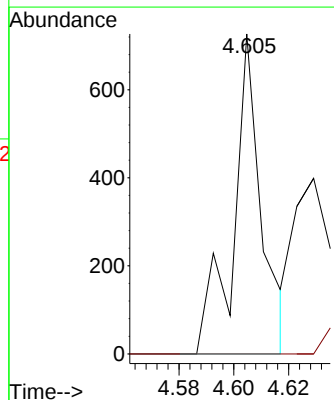
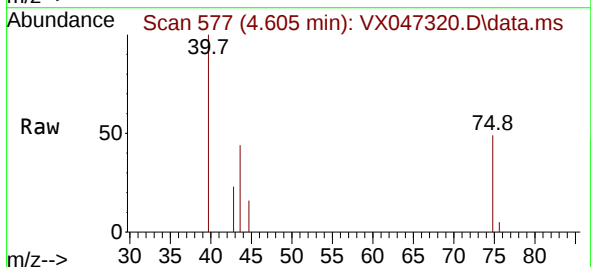


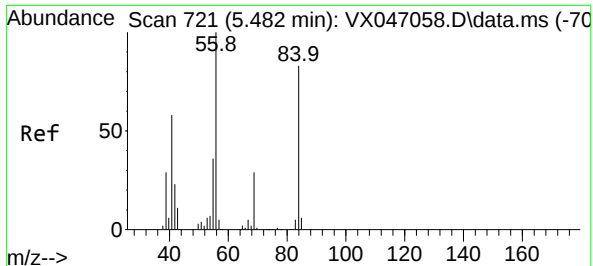
Tgt Ion:	84	Resp:	933
Ion	Ratio	Lower	Upper
84	100		
49	118.1	101.6	152.4
51	25.4	30.3	45.5#
86	0.0	50.6	75.8#



#25
2-Butanone
Concen: 0.396 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.043 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion:	43	Resp:	520
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.8	28.2#

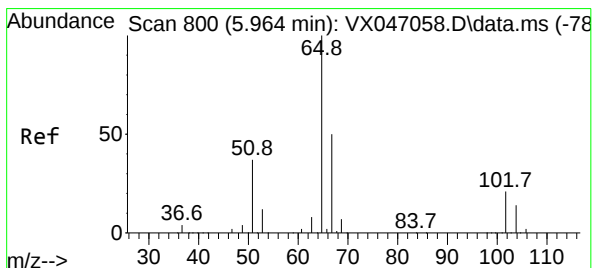
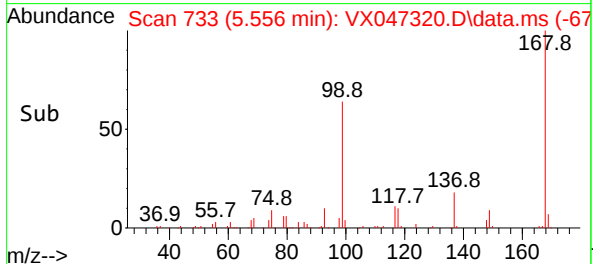
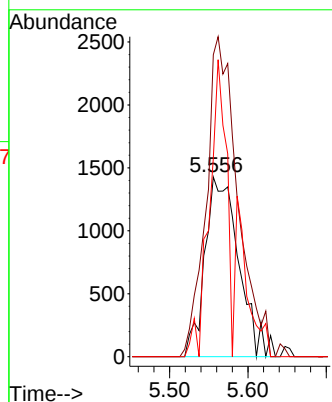
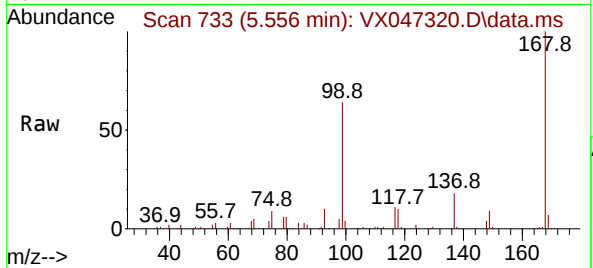




#31
Cyclohexane
Concen: 1.015 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

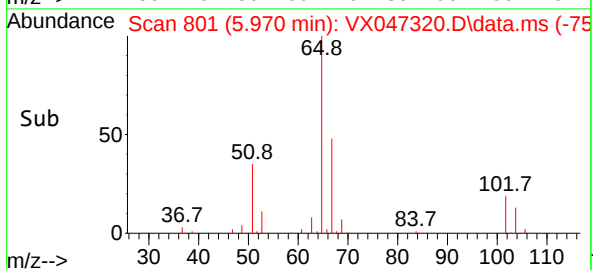
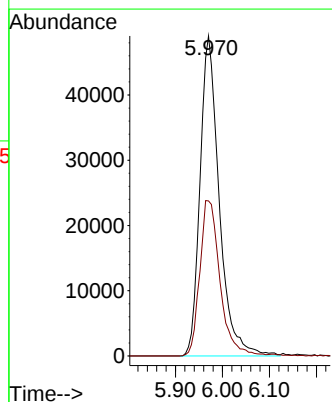
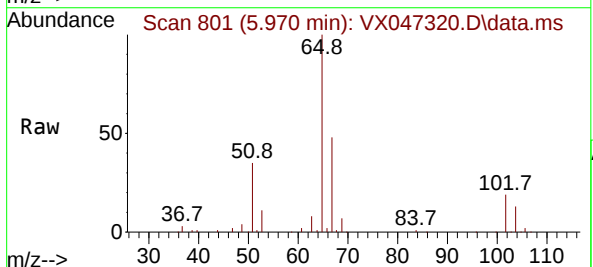
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

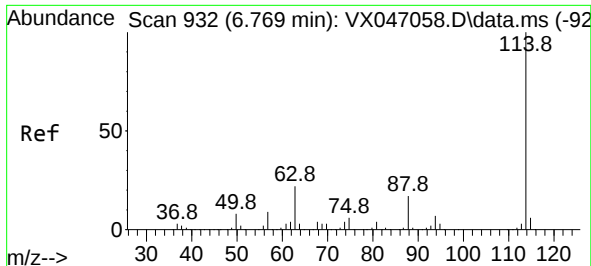
Tgt Ion: 56 Resp: 4268
Ion Ratio Lower Upper
56 100
69 168.0 23.3 34.9#
84 110.7 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 61.973 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 65 Resp: 139346
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.8

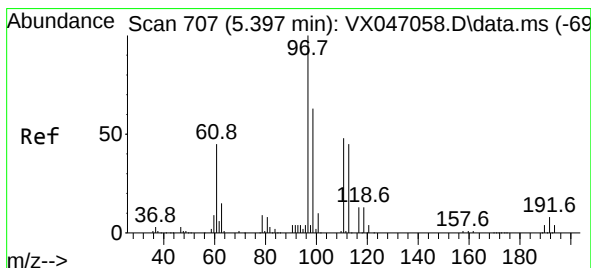
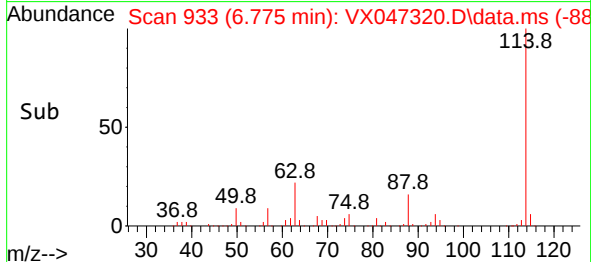
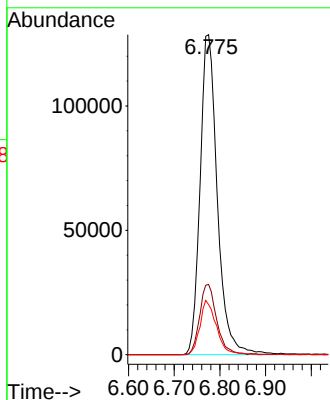
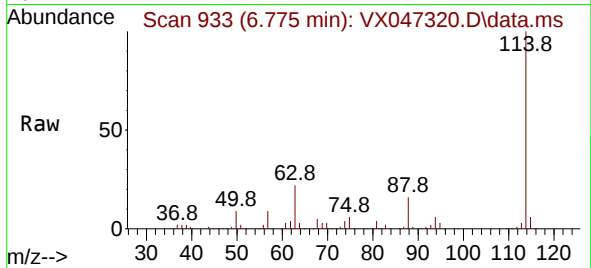




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

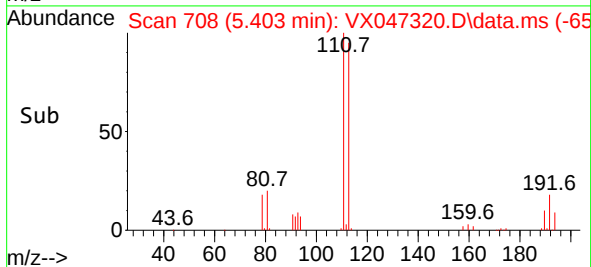
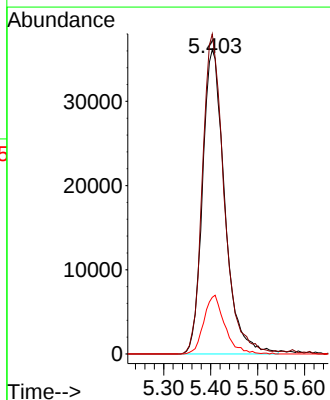
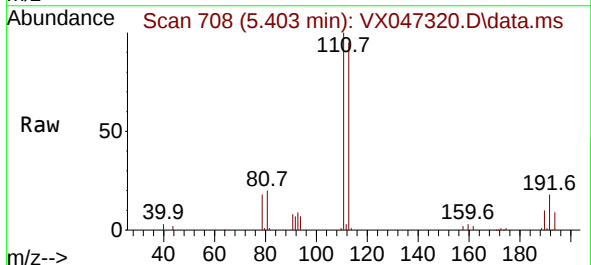
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

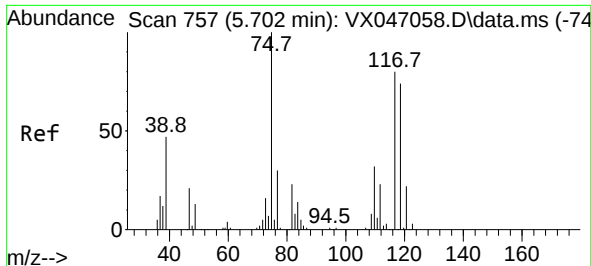
Tgt Ion:114 Resp: 338323
Ion Ratio Lower Upper
114 100
63 22.0 0.0 43.2
88 15.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 56.697 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion:113 Resp: 118435
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 18.2 14.9 22.3

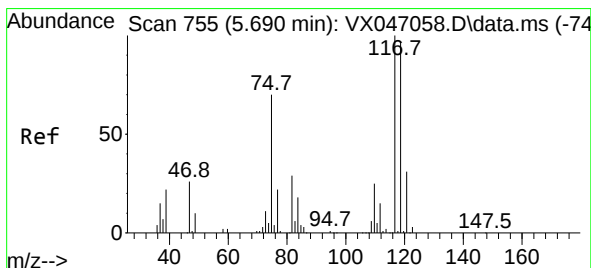
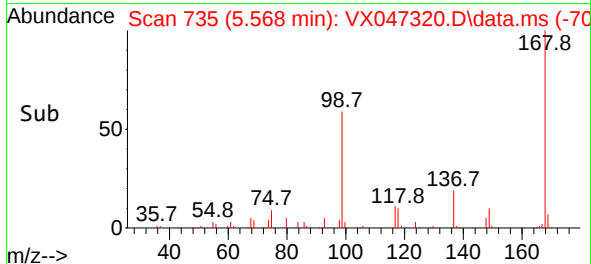
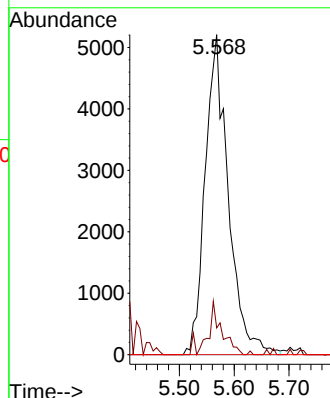
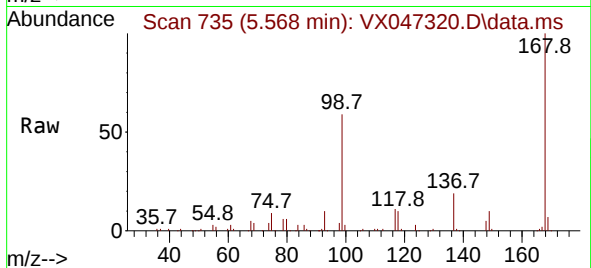




#36
1,1-Dichloropropene
Concen: 4.285 ug/l
RT: 5.568 min Scan# 715
Delta R.T. -0.134 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

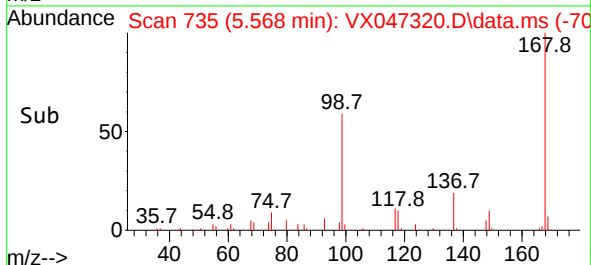
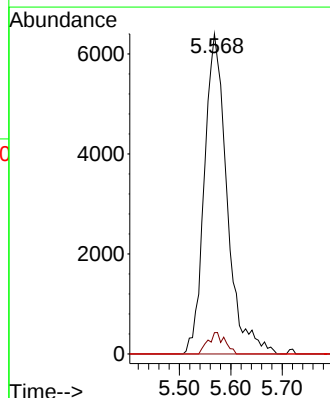
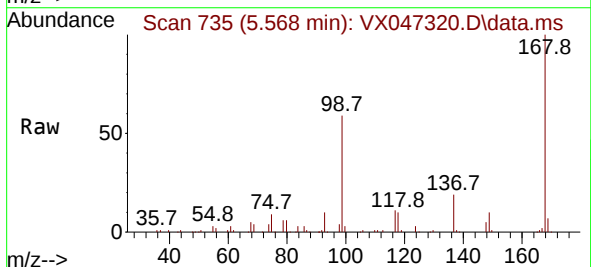
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

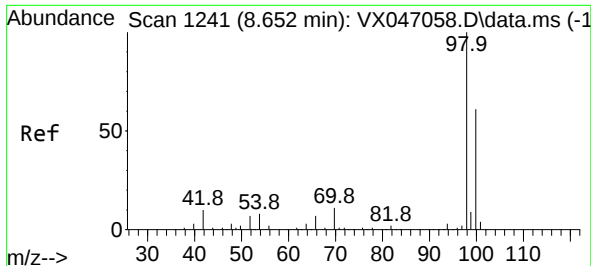
Tgt Ion: 75 Resp: 15258
Ion Ratio Lower Upper
75 100
110 9.1 17.2 51.5#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.158 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.122 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 117 Resp: 19604
Ion Ratio Lower Upper
117 100
119 6.6 76.6 115.0#
121 0.0 24.4 36.6#

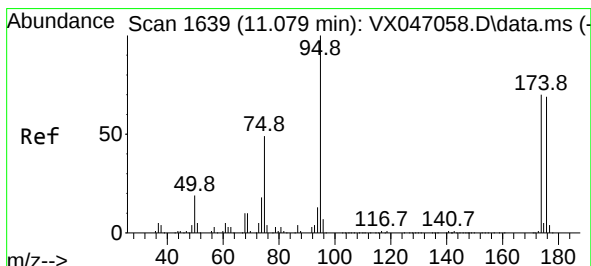
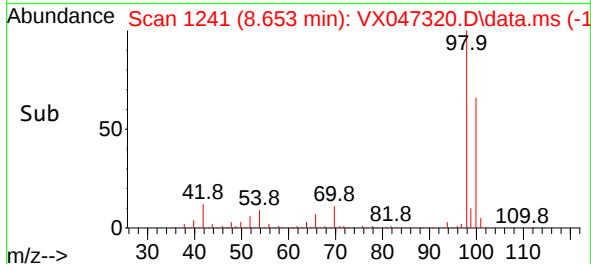
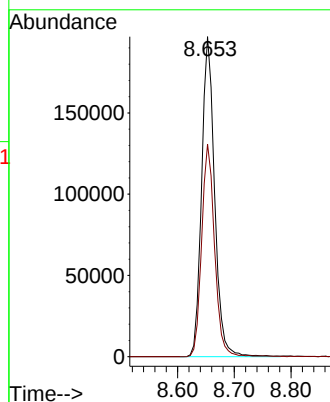
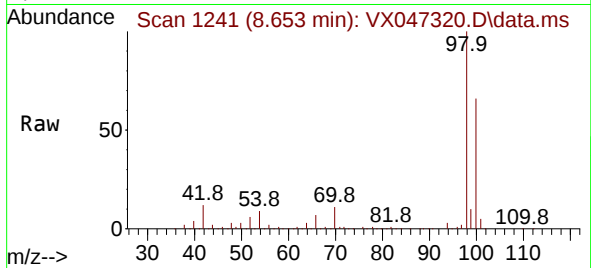




#50
Toluene-d8
Concen: 46.350 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

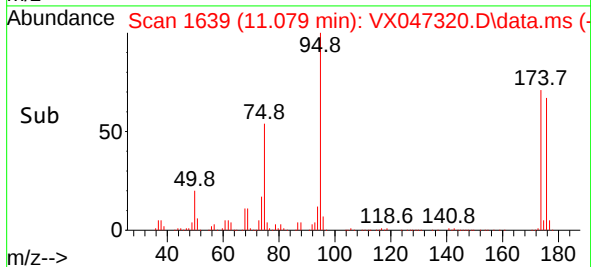
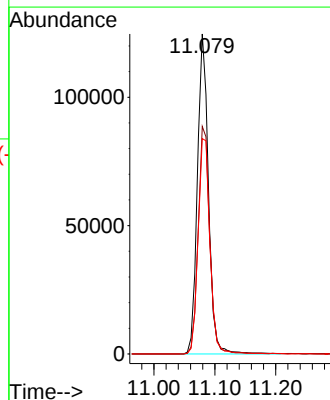
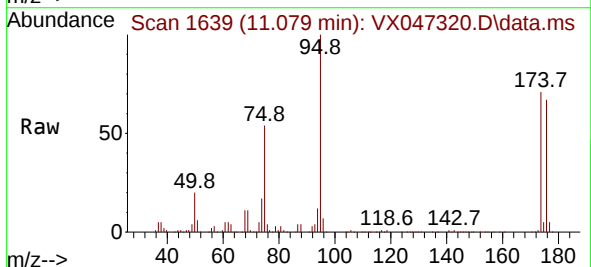
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

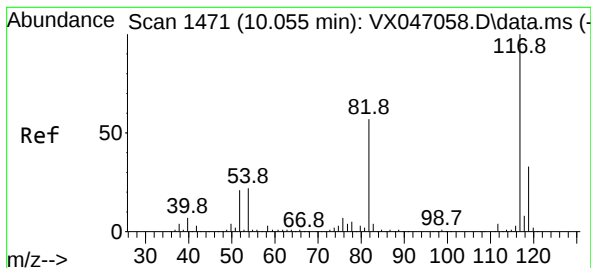
Tgt Ion: 98 Resp: 313555
Ion Ratio Lower Upper
98 100
100 66.3 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 95 Resp: 156885
Ion Ratio Lower Upper
95 100
174 74.4 0.0 144.6
176 72.0 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: VX047320.D

Acq: 13 Aug 2025 14:24

Instrument :

MSVOA_X

ClientSampleId :

TW-518R-N

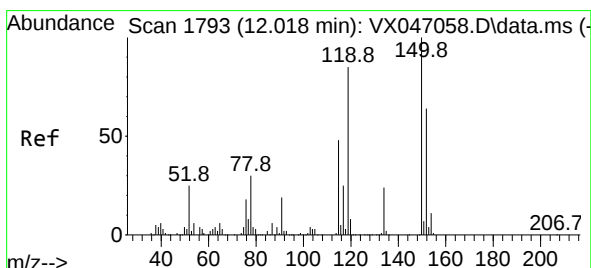
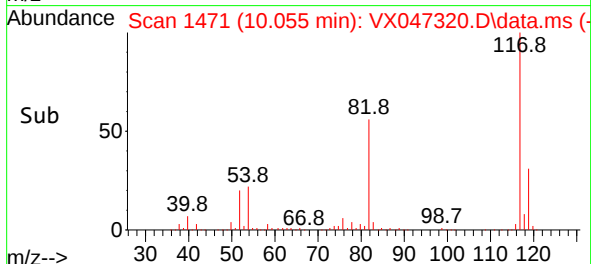
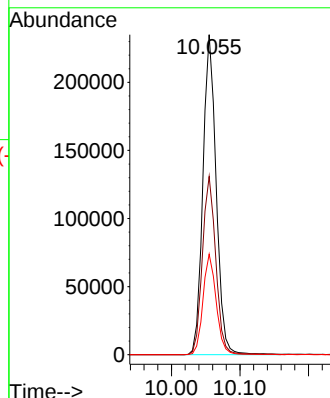
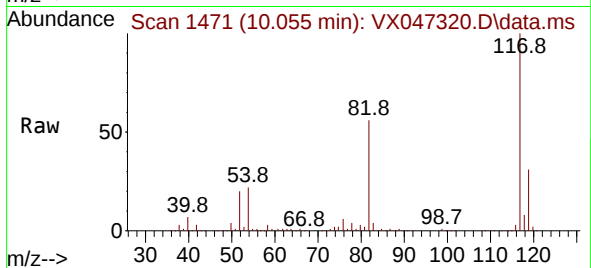
Tgt Ion:117 Resp: 317215

Ion Ratio Lower Upper

117 100

82 55.7 45.4 68.2

119 31.4 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047320.D

Acq: 13 Aug 2025 14:24

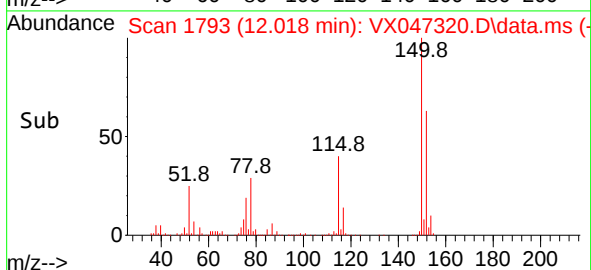
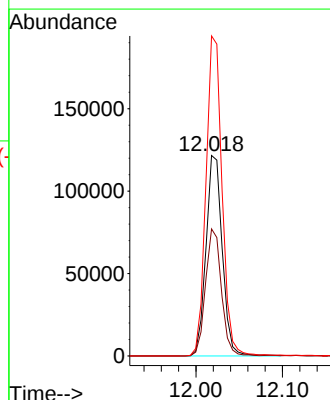
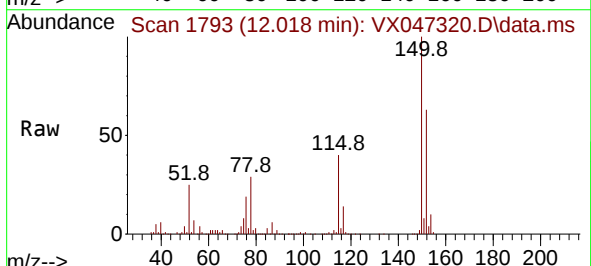
Tgt Ion:152 Resp: 158976

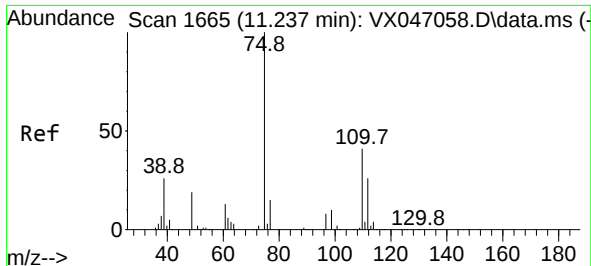
Ion Ratio Lower Upper

152 100

115 61.7 45.6 136.7

150 157.6 0.0 354.6

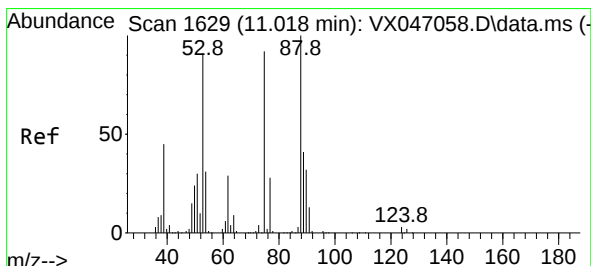
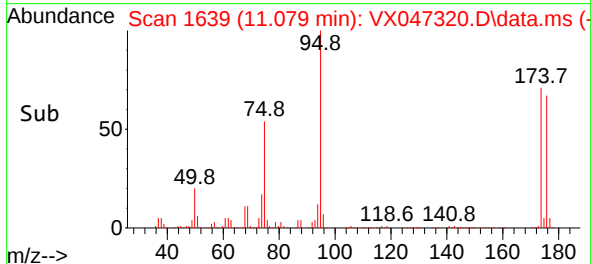
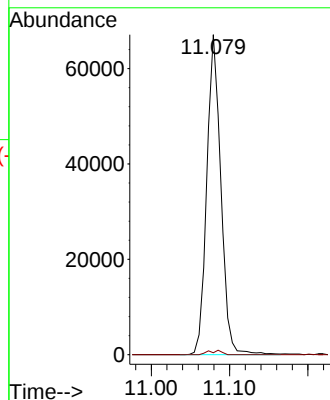
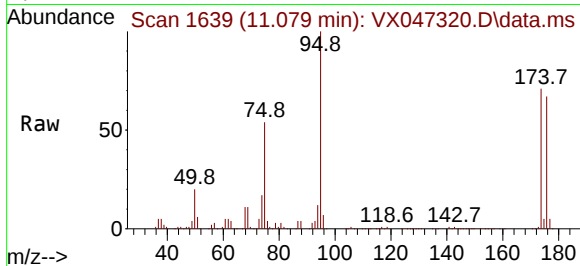




#76
1,2,3-Trichloropropane
Concen: 28.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion: 75 Resp: 83548
Ion Ratio Lower Upper
75 100
77 1.3 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.151 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 75 Resp: 83548
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#

