

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047326.D
 Acq On : 13 Aug 2025 16:35
 Operator : JC/MD
 Sample : Q2815-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-E

Quant Time: Aug 14 03:31:26 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)

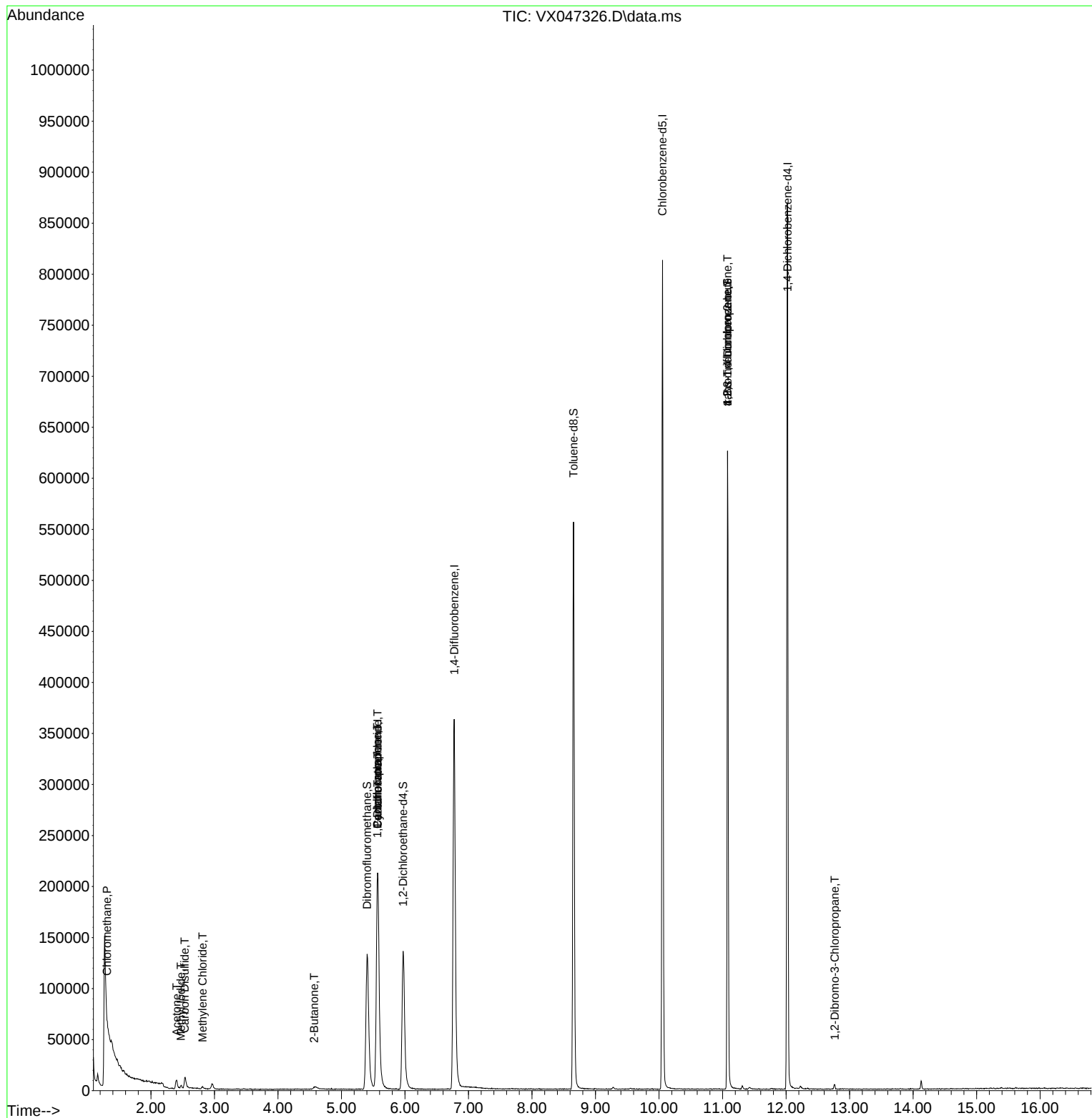
Internal Standards						
1) Pentafluorobenzene	5.568	168	213991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	387615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	145302	54.509	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.020%	
35) Dibromofluoromethane	5.403	113	125925	52.616	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.240%	
50) Toluene-d8	8.653	98	339153	43.759	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 87.520%#	
62) 4-Bromofluorobenzene	11.079	95	169362	50.706	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	1340	0.477	ug/l	91
10) Methyl Iodide	2.471	142	3376	1.220	ug/l #	97
11) Tert butyl alcohol	2.965	59	2842	Below Cal	#	74
16) Acetone	2.404	43	12734	11.925	ug/l #	84
17) Carbon Disulfide	2.532	76	15898	2.043	ug/l	98
20) Methylene Chloride	2.812	84	940	0.320	ug/l #	85
25) 2-Butanone	4.568	43	383	0.246	ug/l #	52
31) Cyclohexane	5.568	56	4121	0.827	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	18419	4.515	ug/l #	51
38) Carbon Tetrachloride	5.568	117	23287	5.348	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	85377	25.186	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	85377	64.888	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	12.768	75	169	0.213	ug/l #	2

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

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Quant Time: Aug 14 03:31:26 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

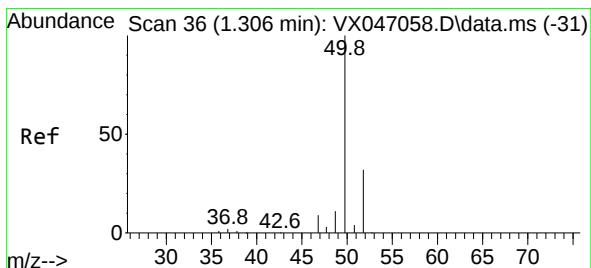
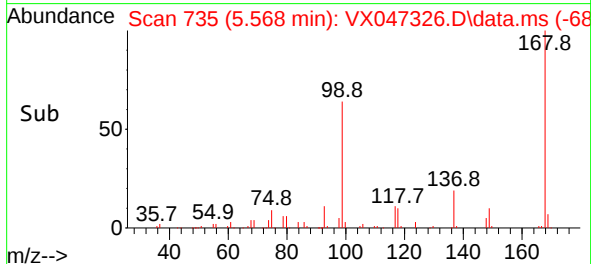
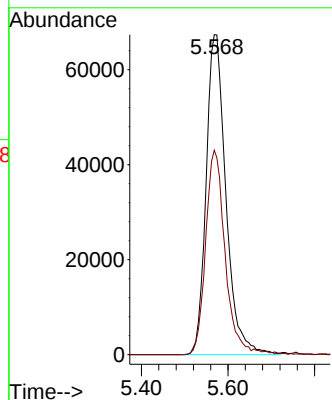
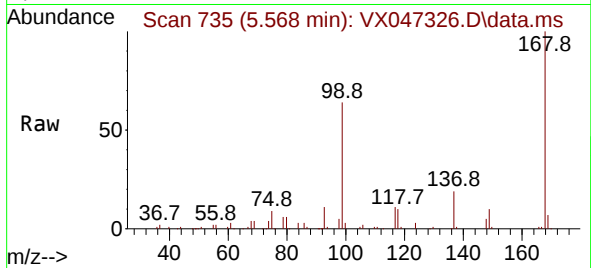




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

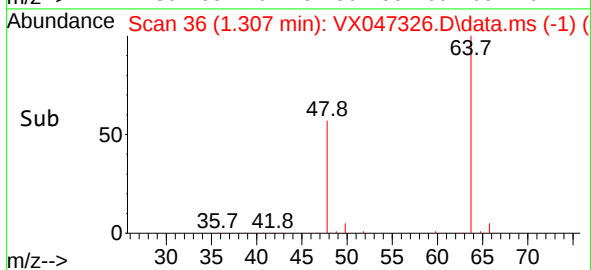
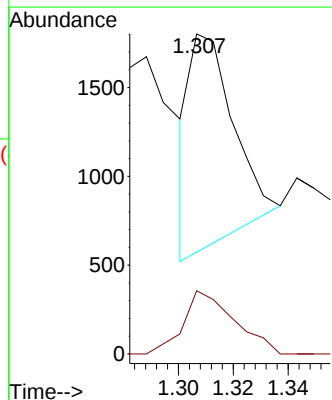
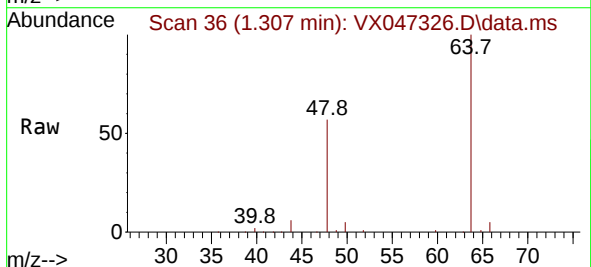
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

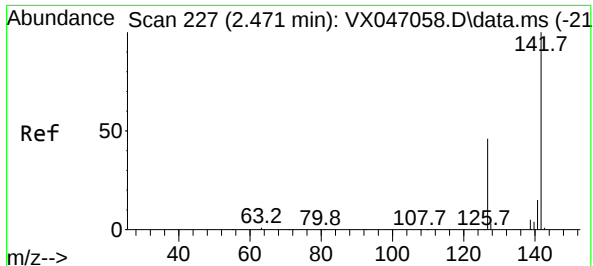
Tgt Ion:168 Resp: 213991
Ion Ratio Lower Upper
168 100
99 63.9 48.0 72.0



#3
Chloromethane
Concen: 0.477 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

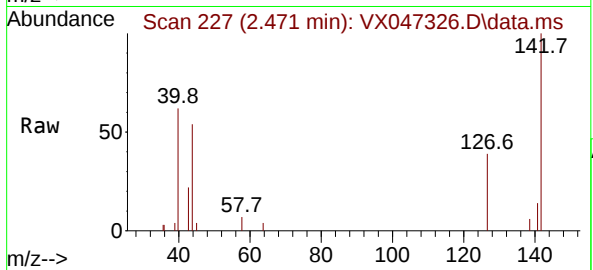
Tgt Ion: 50 Resp: 1340
Ion Ratio Lower Upper
50 100
52 36.8 25.4 38.2



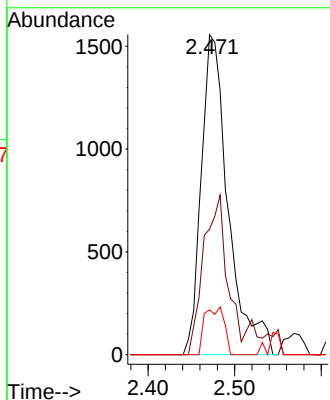
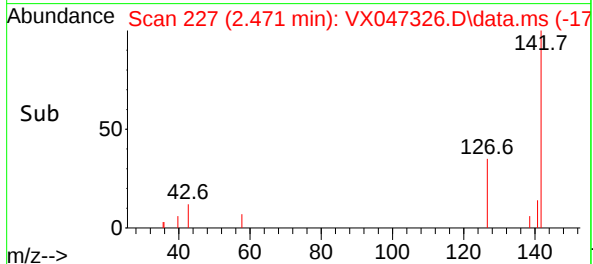


#10
Methyl Iodide
Concen: 1.220 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

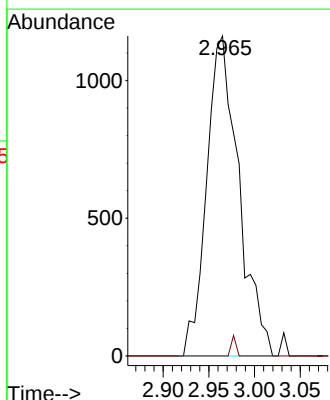
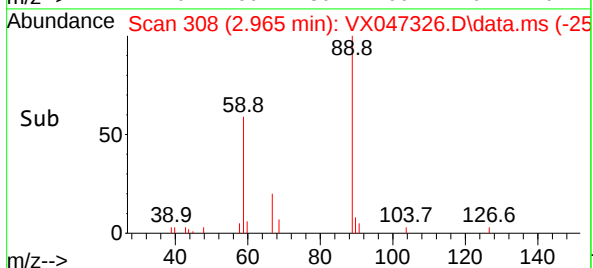
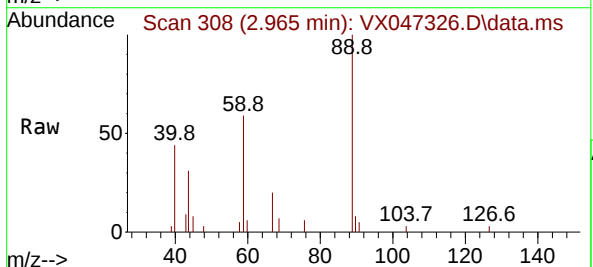


Tgt Ion:142 Resp: 3376
Ion Ratio Lower Upper
142 100
127 44.9 36.6 54.8
141 10.7 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. 0.007 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion: 59 Resp: 2842
Ion Ratio Lower Upper
59 100
57 1.0 8.5 12.7#

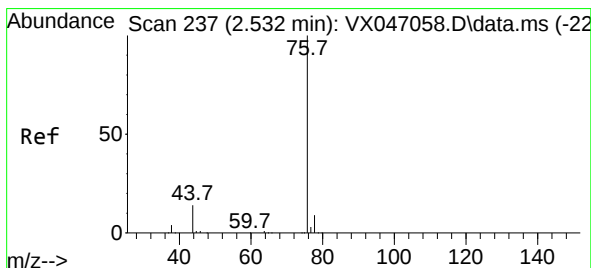
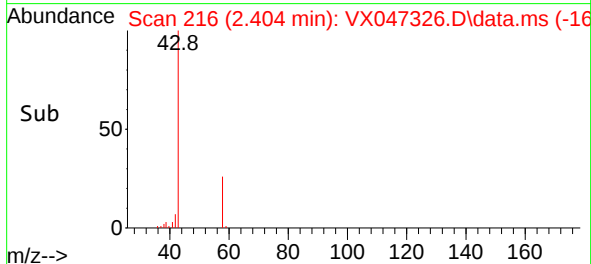
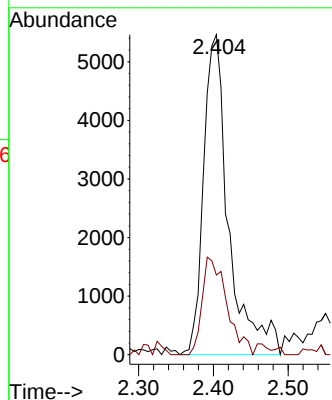
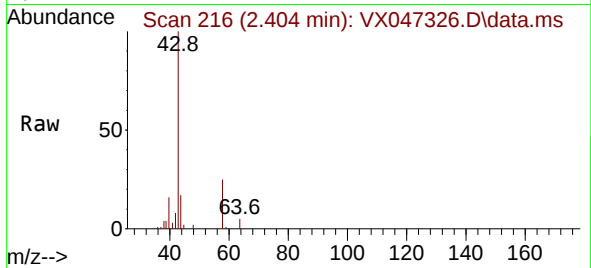




#16
Acetone
Concen: 11.925 ug/l
RT: 2.404 min Scan# 213
Delta R.T. 0.019 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

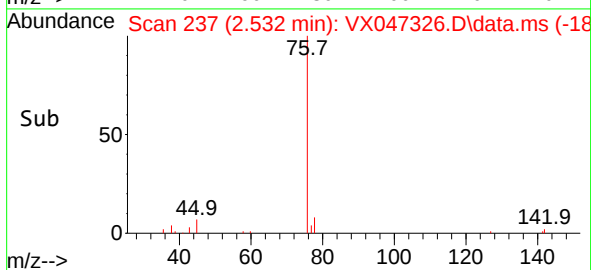
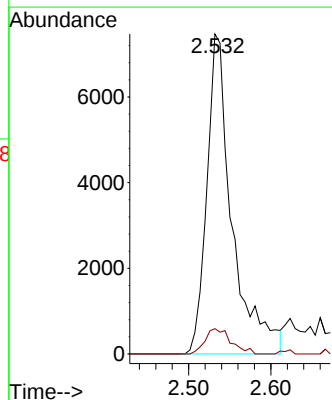
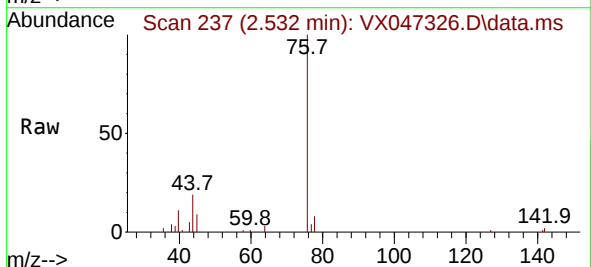
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

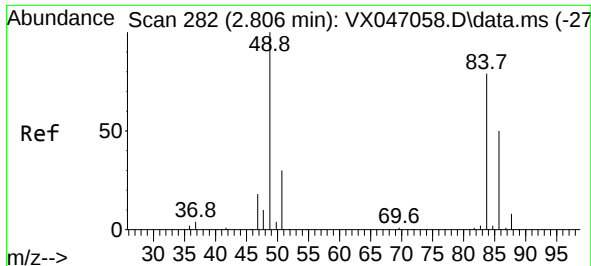
Tgt Ion: 43 Resp: 12734
Ion Ratio Lower Upper
43 100
58 21.3 24.0 36.0#



#17
Carbon Disulfide
Concen: 2.043 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion: 76 Resp: 15898
Ion Ratio Lower Upper
76 100
78 7.9 7.0 10.4

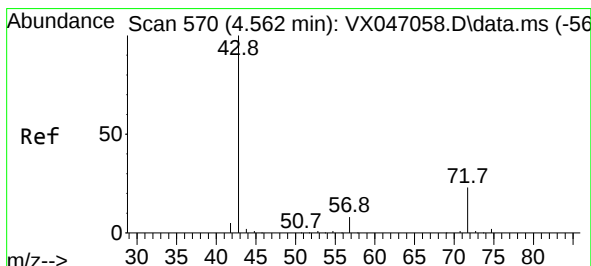
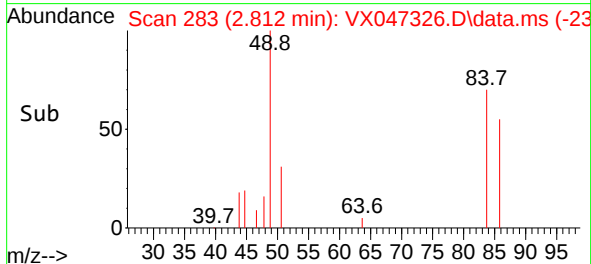
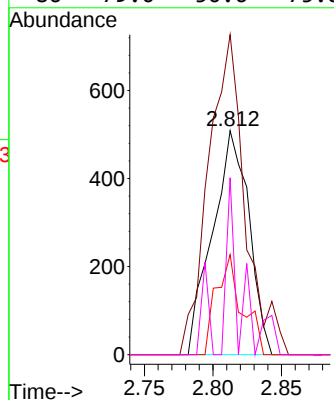
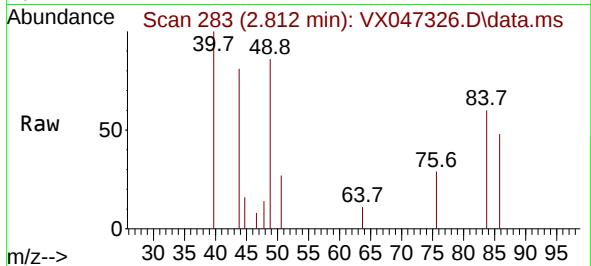




#20
Methylene Chloride
Concen: 0.320 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

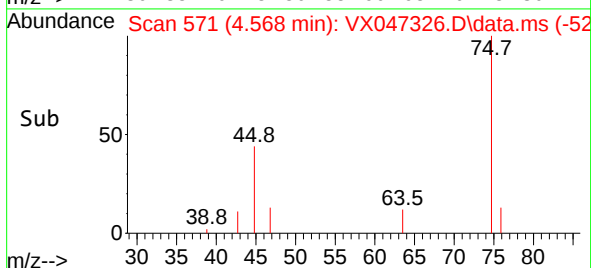
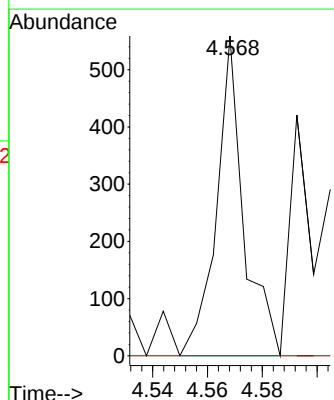
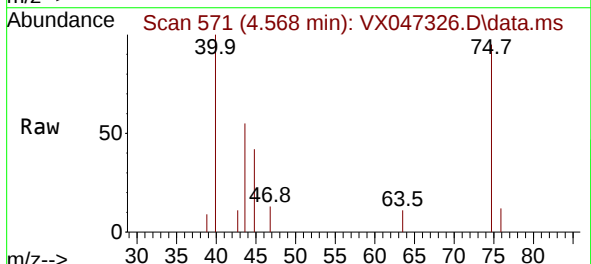
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

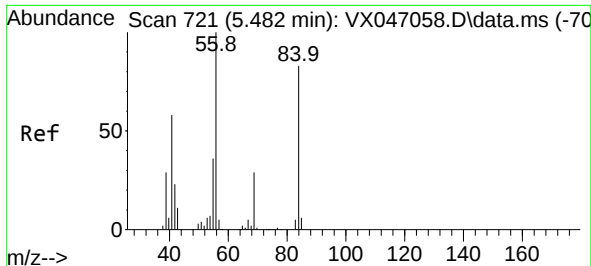
Tgt Ion:	84	Resp:	940
Ion	Ratio	Lower	Upper
84	100		
49	142.8	101.6	152.4
51	44.6	30.3	45.5
86	79.0	50.6	75.8



#25
2-Butanone
Concen: 0.246 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion:	43	Resp:	383
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.8	28.2

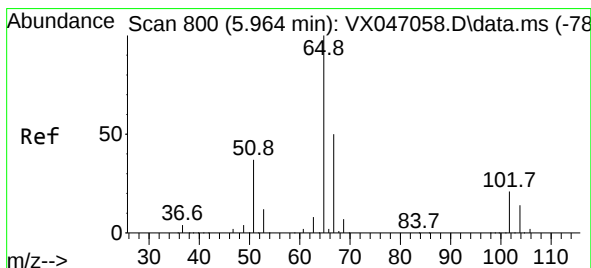
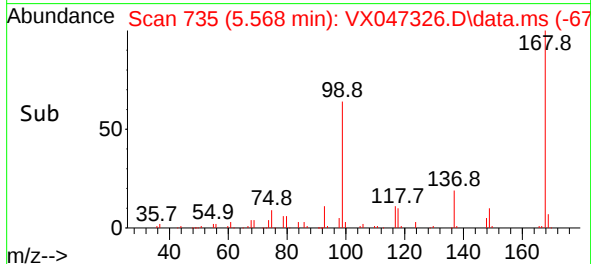
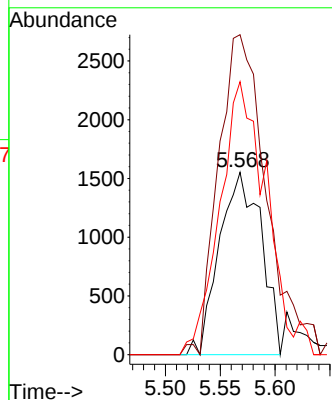
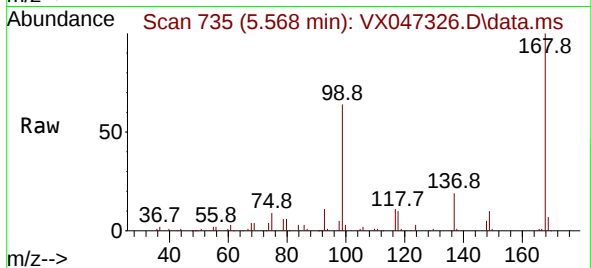




#31
Cyclohexane
Concen: 0.827 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

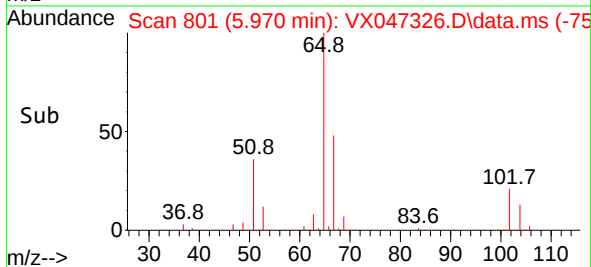
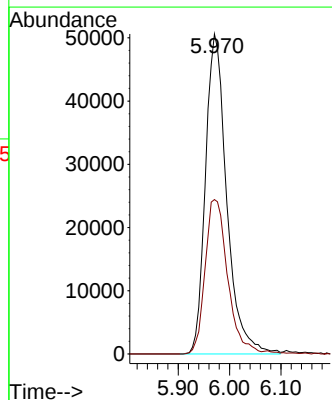
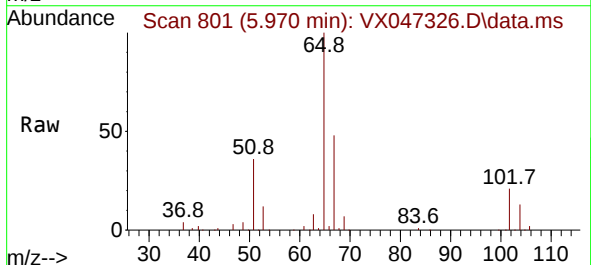
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

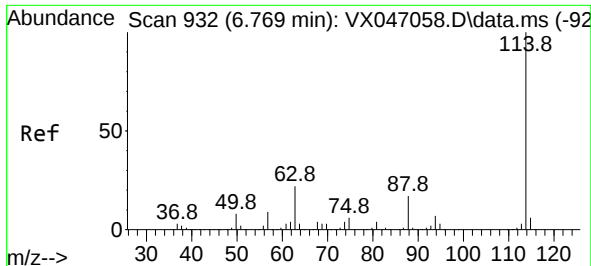
Tgt Ion: 56 Resp: 4121
Ion Ratio Lower Upper
56 100
69 175.5 23.3 34.9#
84 149.7 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 54.509 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion: 65 Resp: 145302
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8

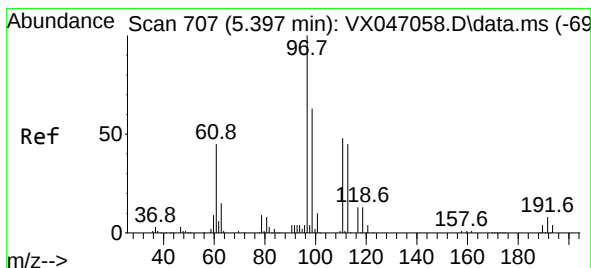
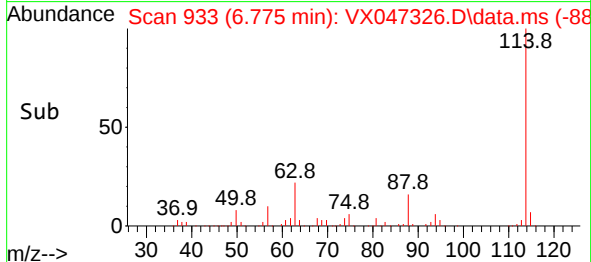
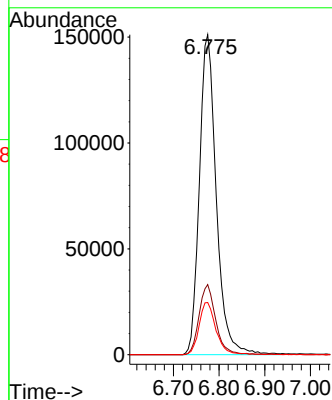
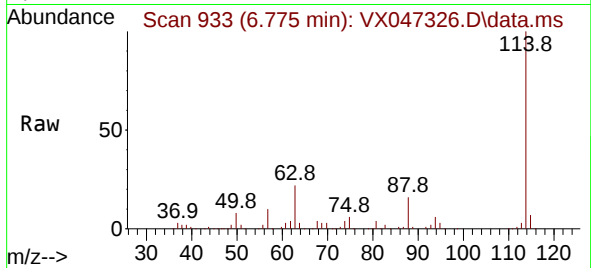




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

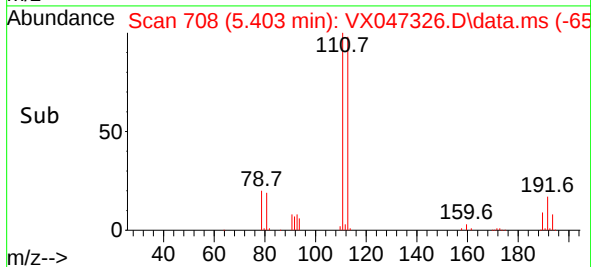
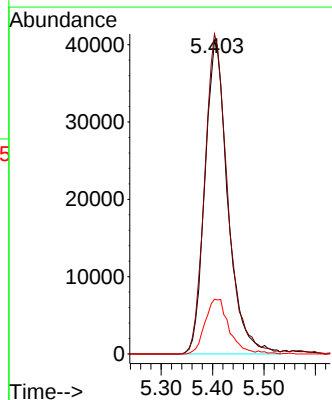
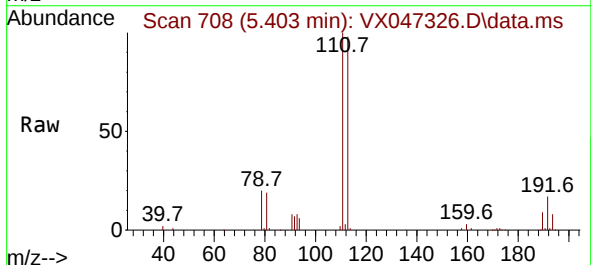
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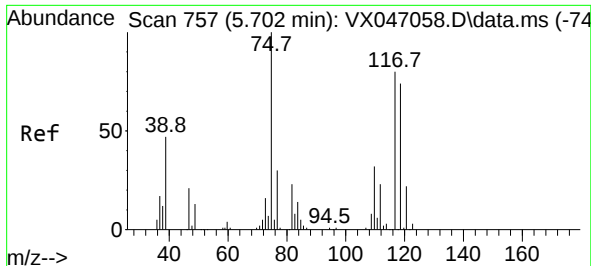
Tgt Ion:114 Resp: 387615
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.2
88 16.3 0.0 33.8



#35
Dibromofluoromethane
Concen: 52.616 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion:113 Resp: 125925
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 18.0 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047326.D

Acq: 13 Aug 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-E

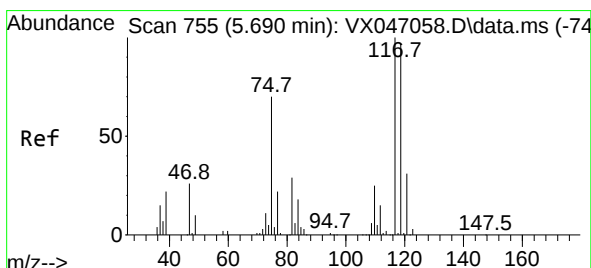
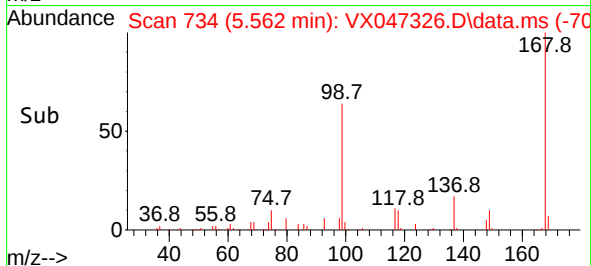
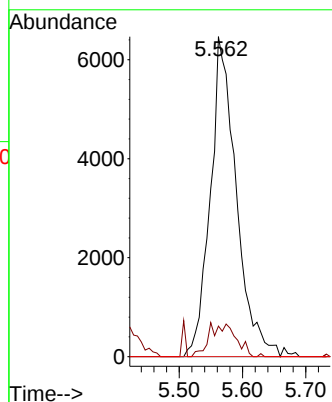
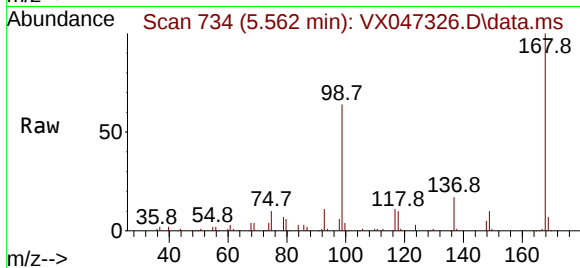
Tgt Ion: 75 Resp: 18419

Ion Ratio Lower Upper

75 100

110 10.6 17.2 51.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.348 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.122 min

Lab File: VX047326.D

Acq: 13 Aug 2025 16:35

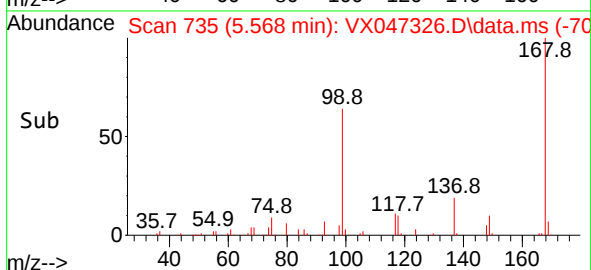
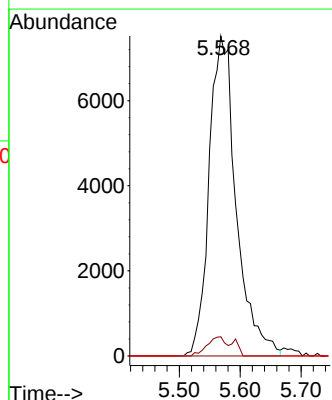
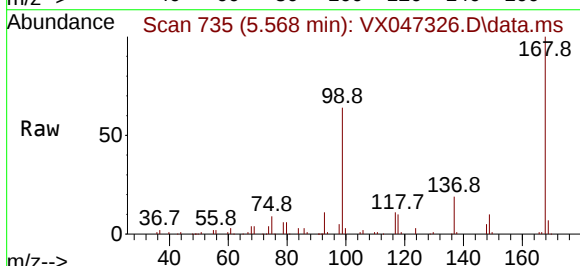
Tgt Ion: 117 Resp: 23287

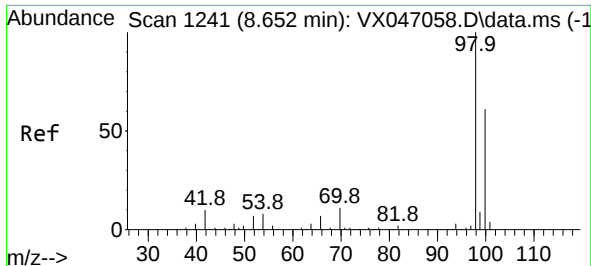
Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

121 0.0 24.4 36.6#

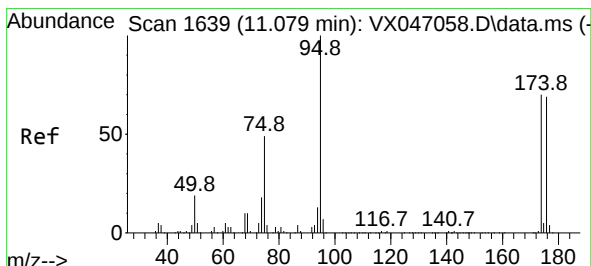
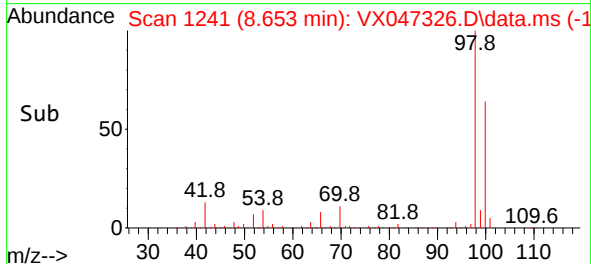
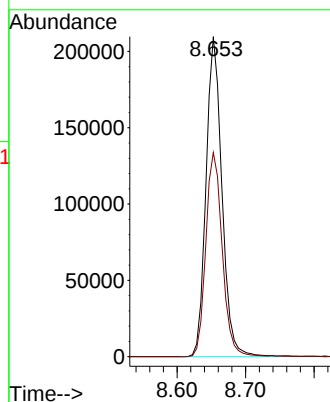
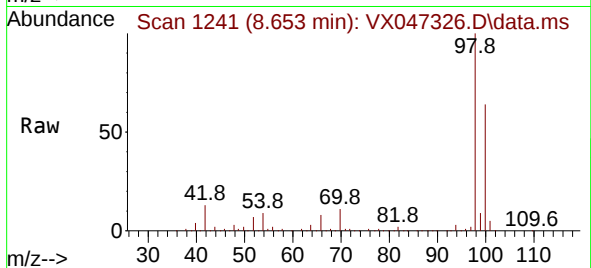




#50
Toluene-d8
Concen: 43.759 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

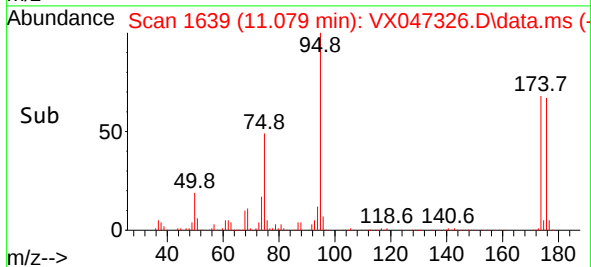
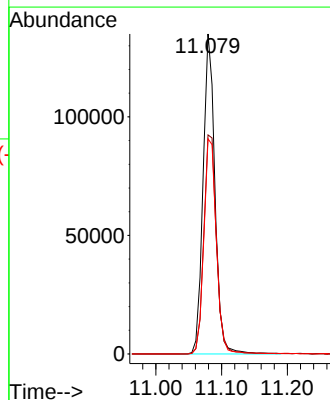
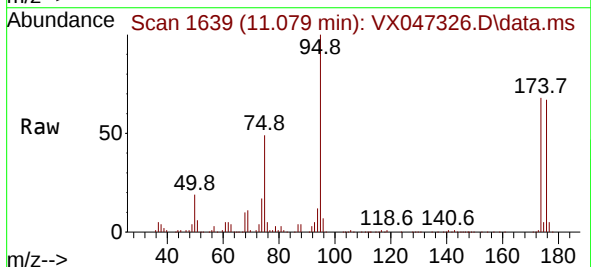
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

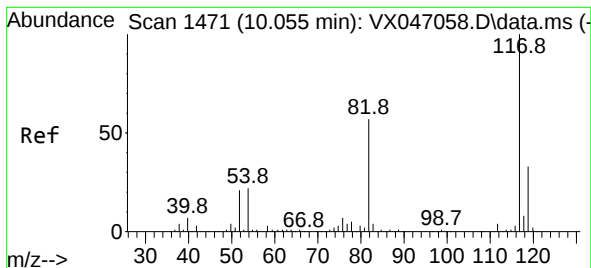
Tgt Ion: 98 Resp: 339153
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 50.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion: 95 Resp: 169362
Ion Ratio Lower Upper
95 100
174 72.4 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: VX047326.D

Acq: 13 Aug 2025 16:35

Instrument :

MSVOA_X

ClientSampleId :

TW-10P-E

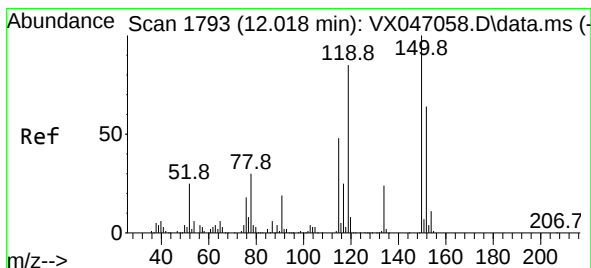
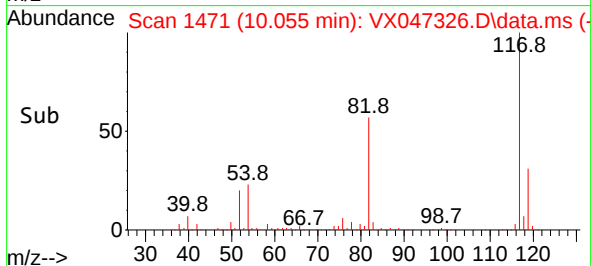
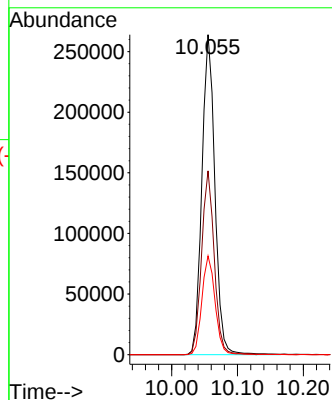
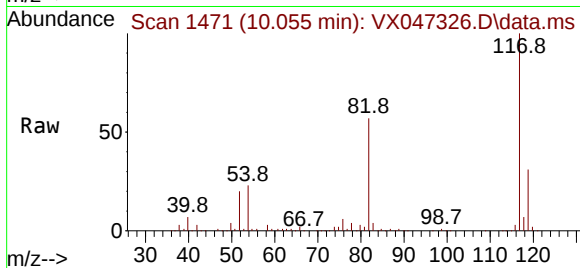
Tgt Ion:117 Resp: 361343

Ion Ratio Lower Upper

117 100

82 57.5 45.4 68.2

119 30.8 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: VX047326.D

Acq: 13 Aug 2025 16:35

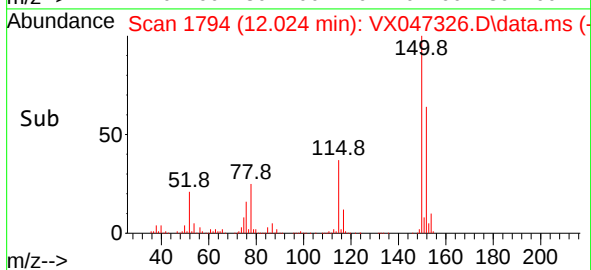
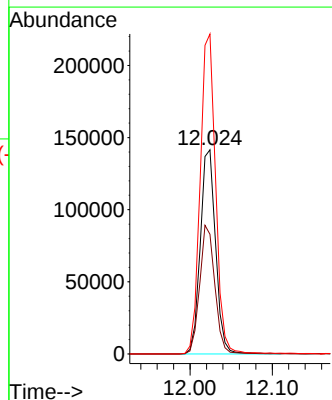
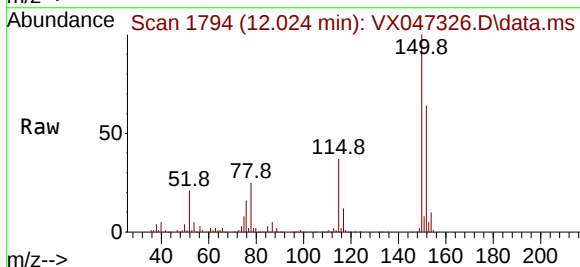
Tgt Ion:152 Resp: 183144

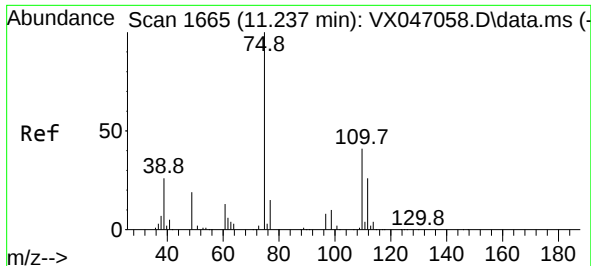
Ion Ratio Lower Upper

152 100

115 62.3 45.6 136.7

150 158.4 0.0 354.6

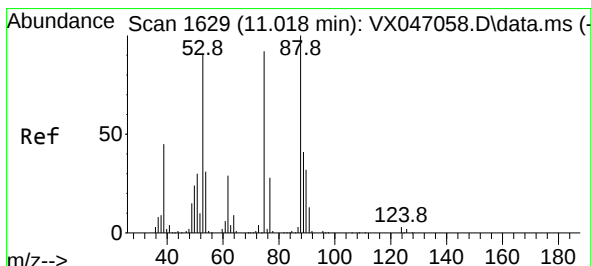
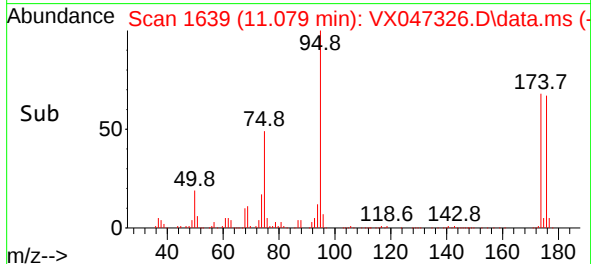
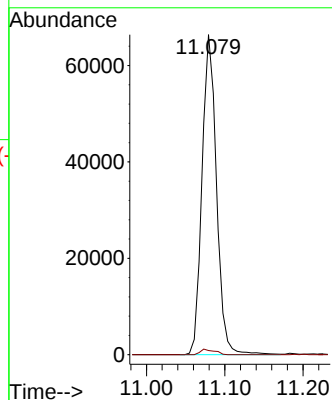
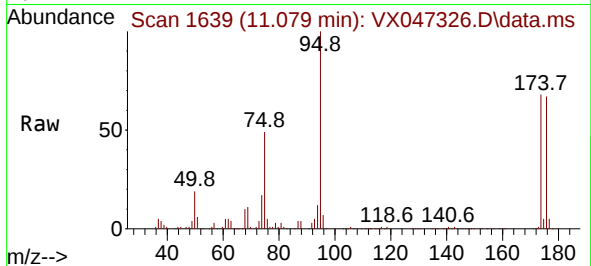




#76
1,2,3-Trichloropropane
Concen: 25.186 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

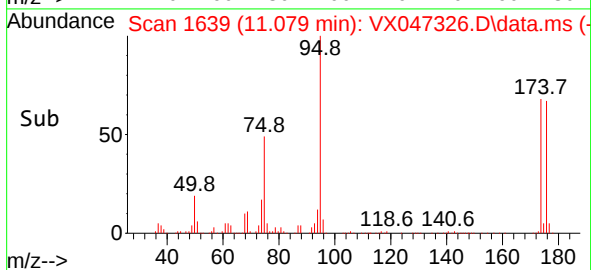
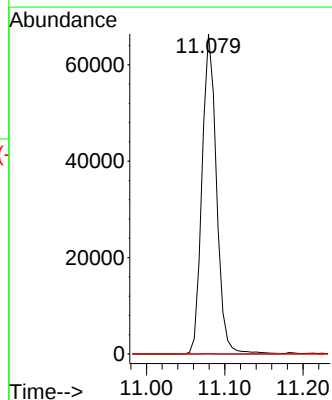
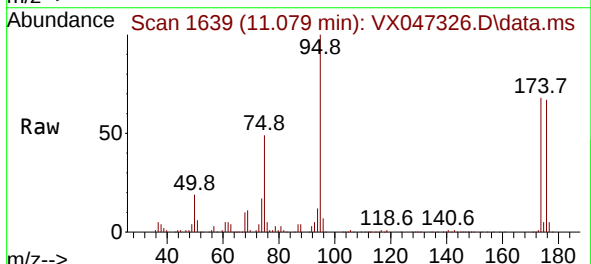
Instrument :
MSVOA_X
ClientSampleId :
TW-10P-E

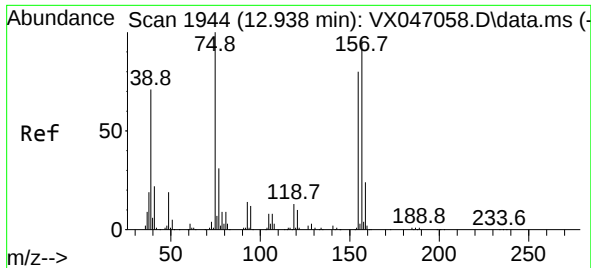
Tgt Ion: 75 Resp: 85377
Ion Ratio Lower Upper
75 100
77 1.7 21.6 65.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.888 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047326.D
Acq: 13 Aug 2025 16:35

Tgt Ion: 75 Resp: 85377
Ion Ratio Lower Upper
75 100
53 0.0 84.2 126.4#
89 0.0 36.0 54.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.213 ug/l
 RT: 12.768 min Scan# 1916
 Delta R.T. -0.170 min
 Lab File: VX047326.D
 Acq: 13 Aug 2025 16:35

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-10P-E

Tgt Ion: 75 Resp: 169
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.3 124.1#
 157 0.0 52.8 158.3#

