

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047298.D
 Acq On : 12 Aug 2025 15:39
 Operator : JC/MD
 Sample : Q2814-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-38M-E

Quant Time: Aug 13 01:22:59 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)

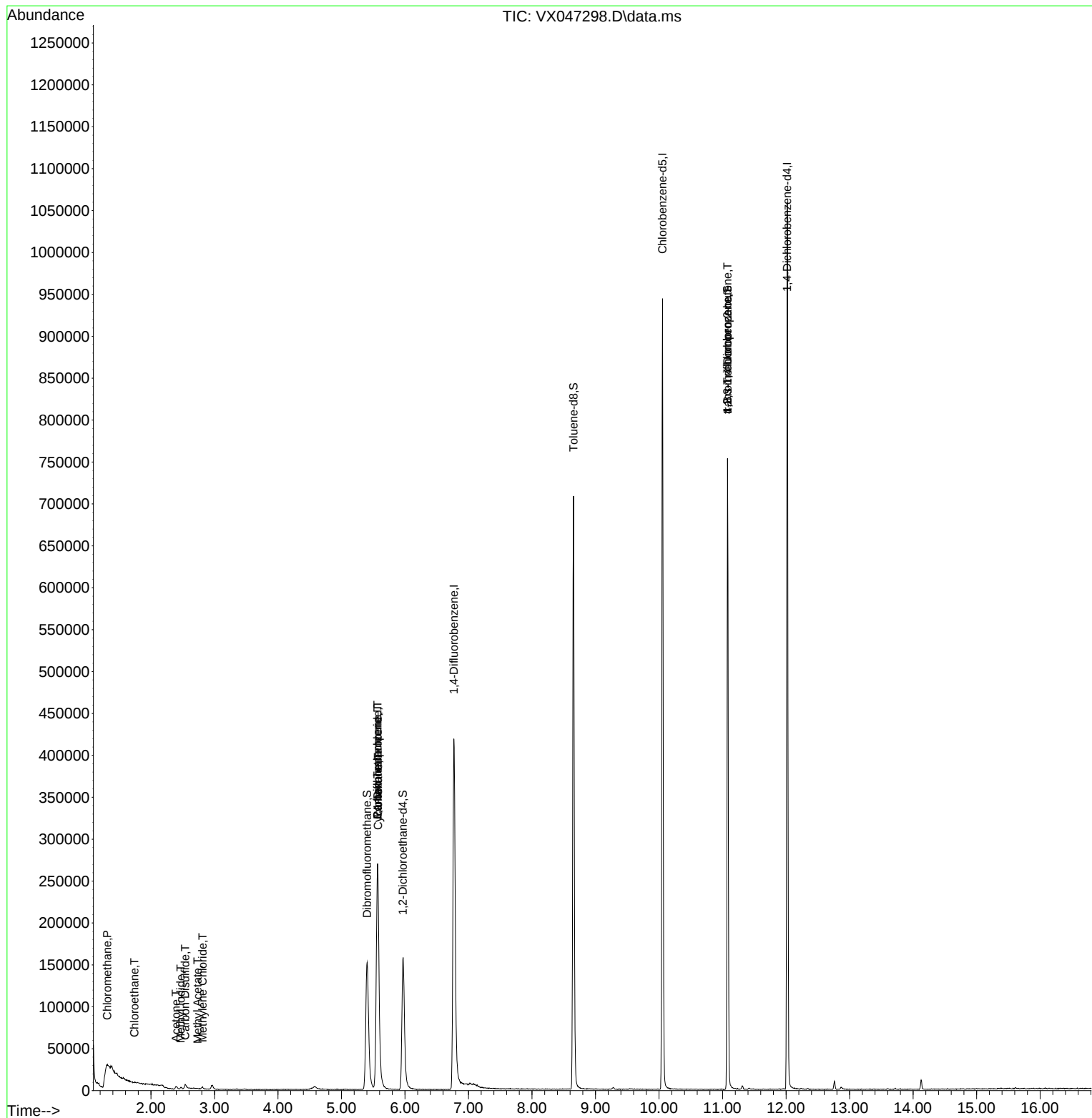
Internal Standards							
1) Pentafluorobenzene		5.568	168	264975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.769	114	454854	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.055	117	416219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.018	152	208948	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.964	65	169133	51.241	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.480%		
35) Dibromofluoromethane		5.403	113	148918	53.026	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.060%		
50) Toluene-d8		8.653	98	416660	45.812	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 91.620%#		
62) 4-Bromofluorobenzene		11.079	95	204153	52.087	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 104.180%		
Target Compounds							
						Qvalue	
3) Chloromethane		1.313	50	1391	0.400	ug/l	90
6) Chloroethane		1.739	64	1014	0.413	ug/l #	51
10) Methyl Iodide		2.465	142	2521	0.736	ug/l	95
11) Tert butyl alcohol		2.971	59	2427	Below Cal	#	72
16) Acetone		2.392	43	4005	3.029	ug/l	97
17) Carbon Disulfide		2.538	76	4853	0.504	ug/l #	76
18) Methyl Acetate		2.733	43	935	0.266	ug/l #	54
20) Methylene Chloride		2.812	84	1031	0.283	ug/l	86
31) Cyclohexane		5.574	56	5199	0.843	ug/l #	4
36) 1,1-Dichloropropene		5.568	75	22013	4.598	ug/l #	50
38) Carbon Tetrachloride		5.568	117	28613	5.600	ug/l #	15
76) 1,2,3-Trichloropropane		11.079	75	106380	27.506	ug/l #	34
81) trans-1,4-Dichloro-2-b...		11.079	75	106380	70.866	ug/l #	8

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

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Quant Time: Aug 13 01:22:59 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

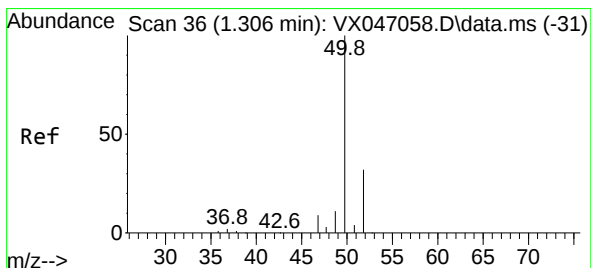
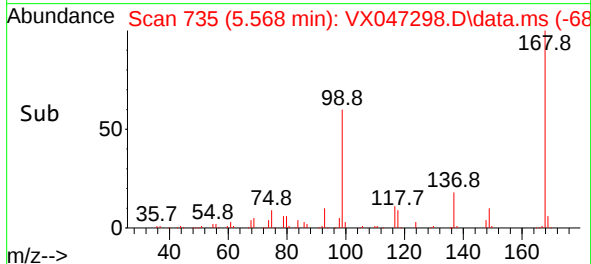
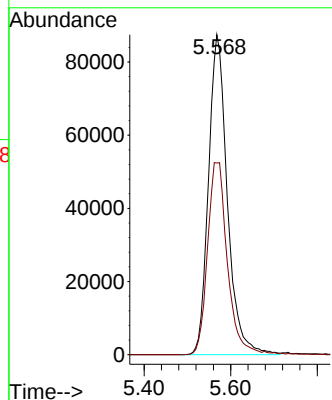
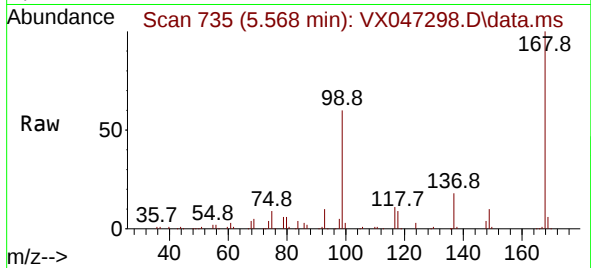




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

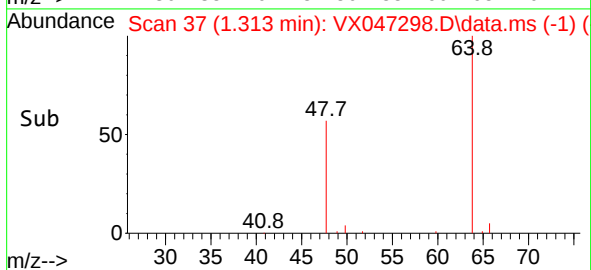
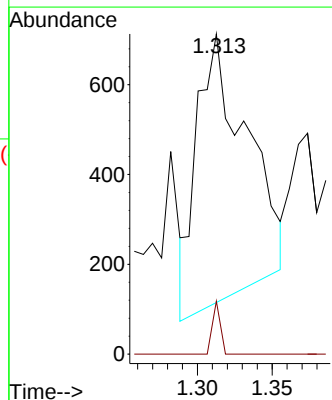
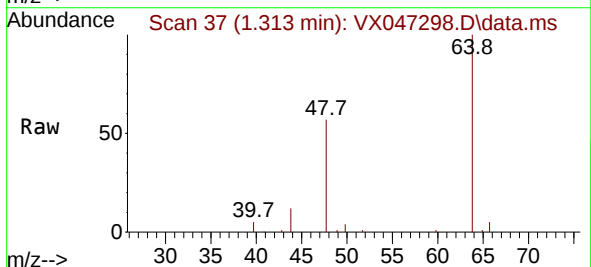
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

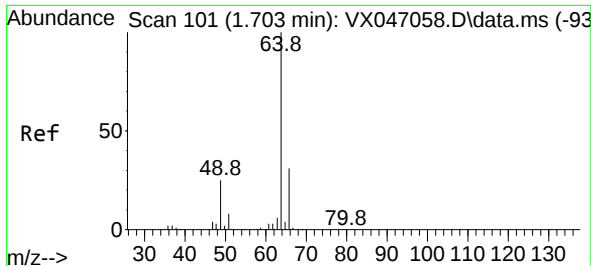
Tgt Ion:168 Resp: 264975
Ion Ratio Lower Upper
168 100
99 59.9 48.0 72.0



#3
Chloromethane
Concen: 0.400 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 50 Resp: 1391
Ion Ratio Lower Upper
50 100
52 26.0 25.4 38.2

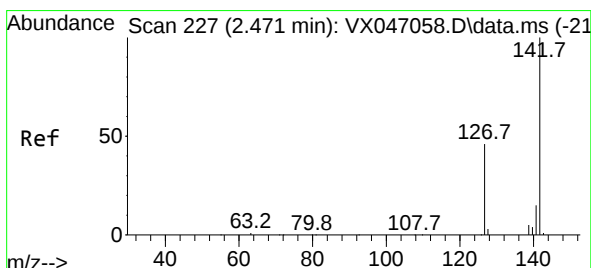
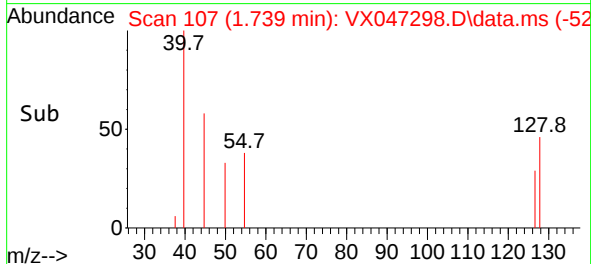
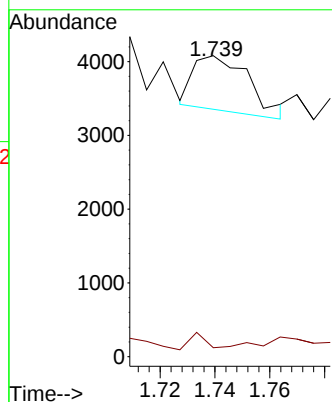
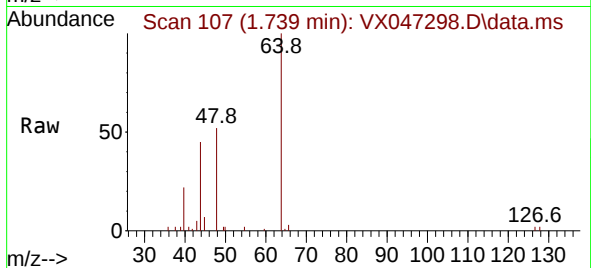




#6
Chloroethane
Concen: 0.413 ug/l
RT: 1.739 min Scan# 101
Delta R.T. 0.037 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

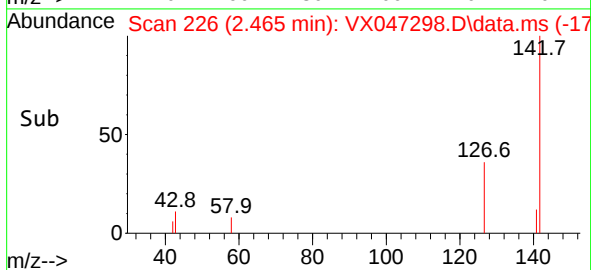
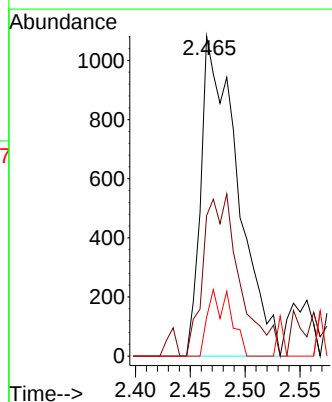
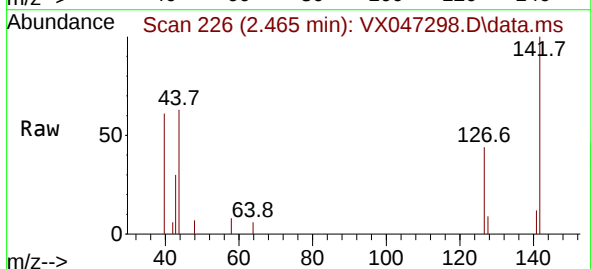
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

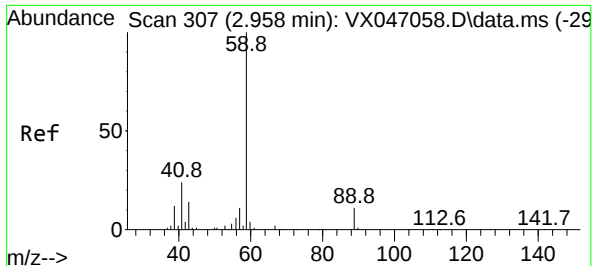
Tgt Ion: 64 Resp: 1014
Ion Ratio Lower Upper
64 100
66 4.2 25.0 37.6#



#10
Methyl Iodide
Concen: 0.736 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:142 Resp: 2521
Ion Ratio Lower Upper
142 100
127 49.7 36.6 54.8
141 12.9 10.9 16.3

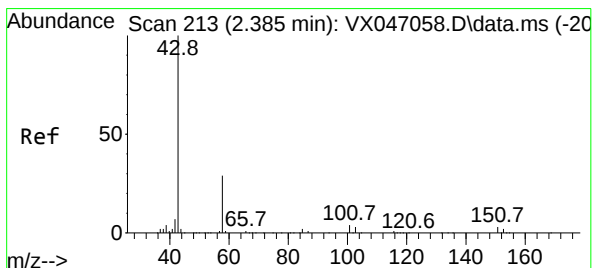
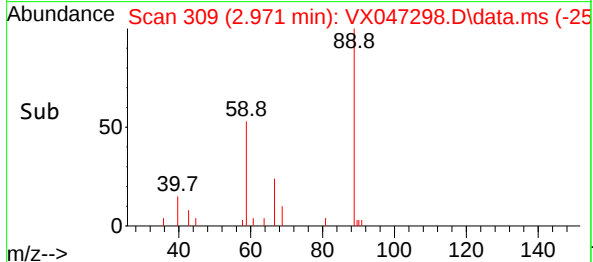
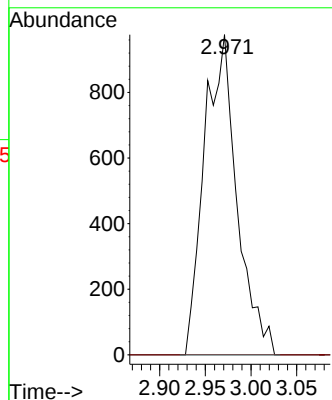
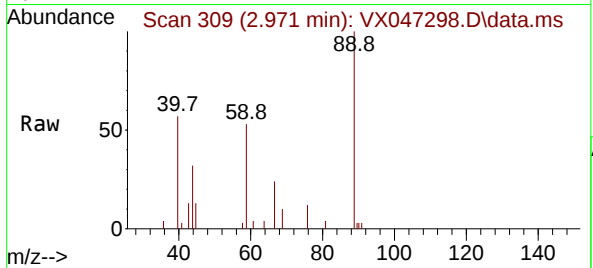




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 307
Delta R.T. 0.013 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

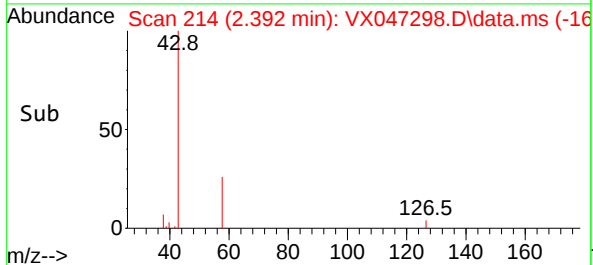
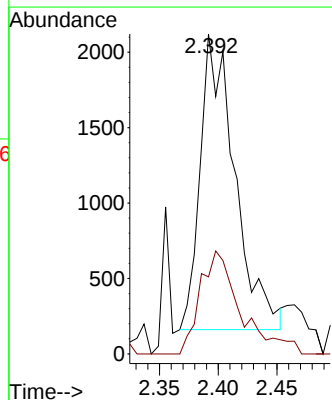
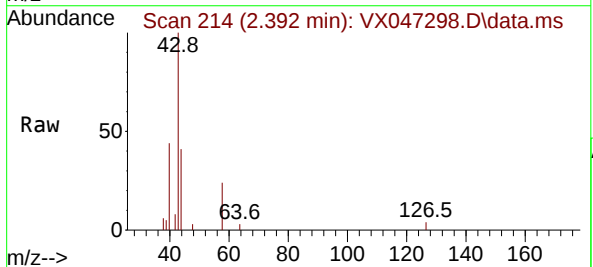
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

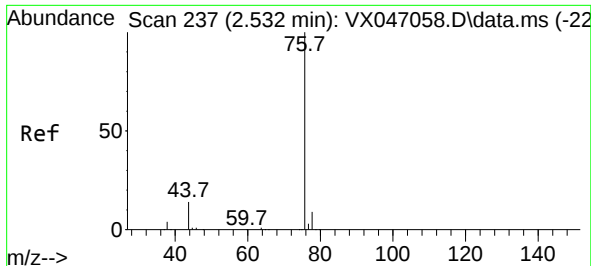
Tgt Ion: 59 Resp: 2427
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 3.029 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 43 Resp: 4005
Ion Ratio Lower Upper
43 100
58 28.1 24.0 36.0





#17

Carbon Disulfide

Concen: 0.504 ug/l

RT: 2.538 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX047298.D

Acq: 12 Aug 2025 15:39

Instrument :

MSVOA_X

ClientSampleId :

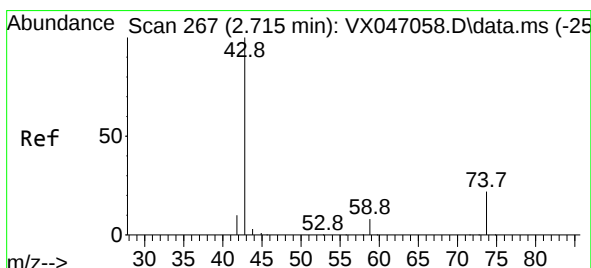
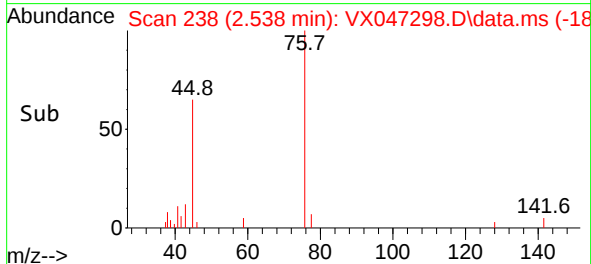
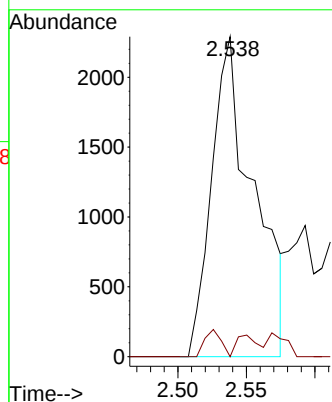
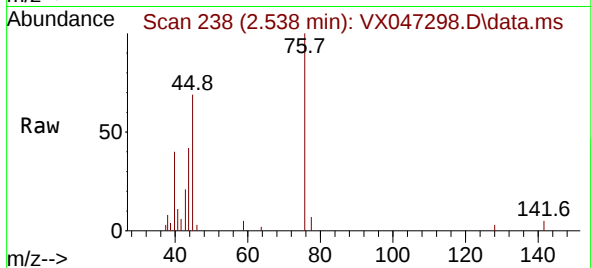
TW-38M-E

Tgt Ion: 76 Resp: 4853

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#18

Methyl Acetate

Concen: 0.266 ug/l

RT: 2.733 min Scan# 270

Delta R.T. 0.019 min

Lab File: VX047298.D

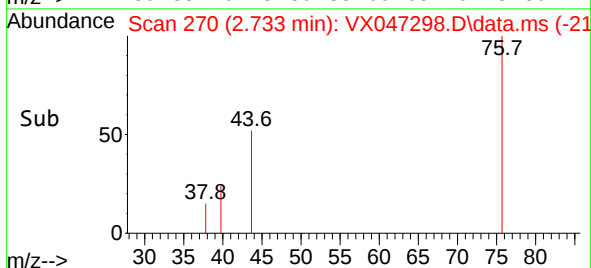
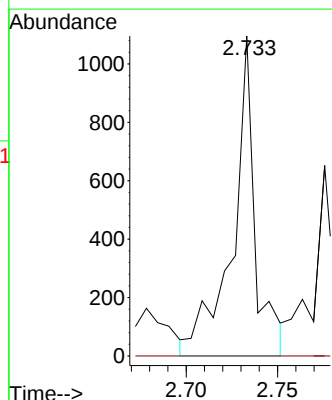
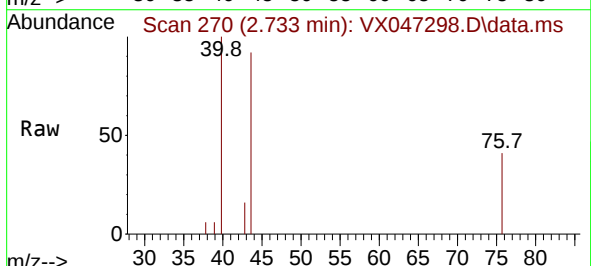
Acq: 12 Aug 2025 15:39

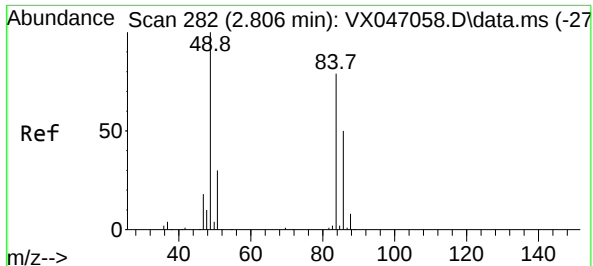
Tgt Ion: 43 Resp: 935

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#

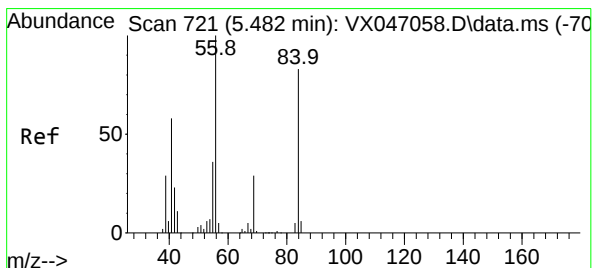
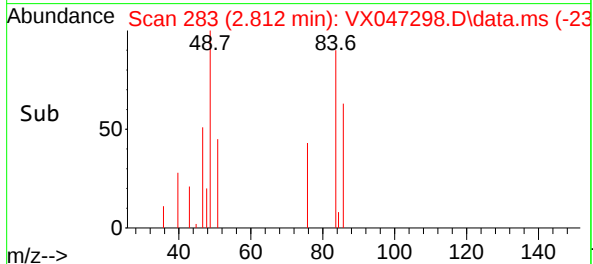
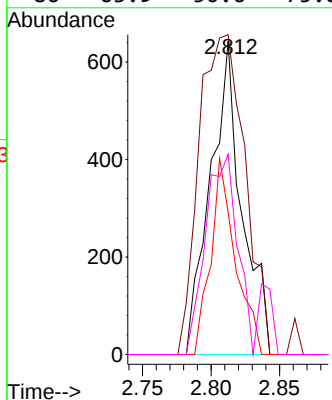
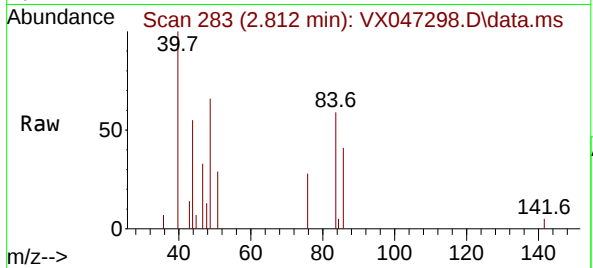




#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

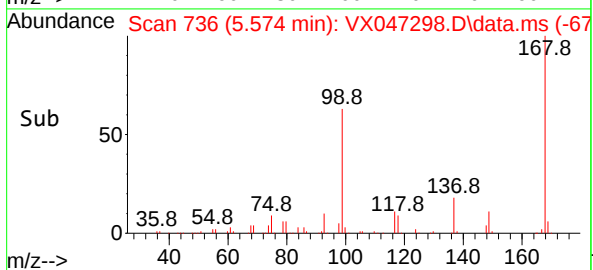
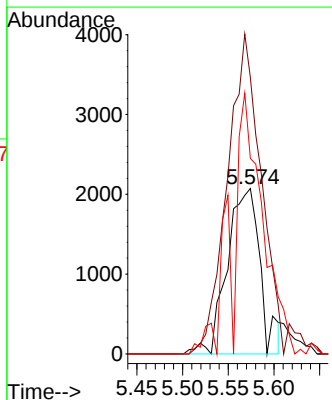
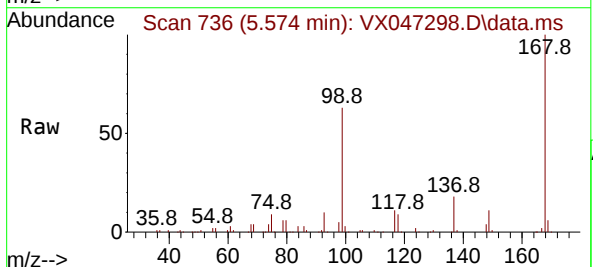
Instrument :
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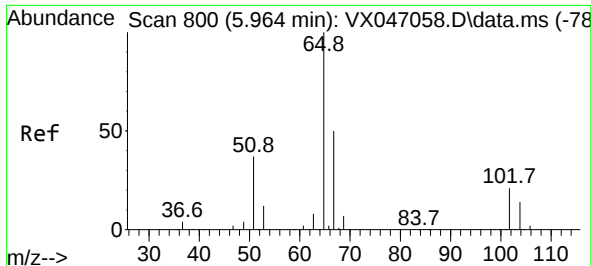
Tgt Ion:	84	Resp:	1031
Ion	Ratio	Lower	Upper
84	100		
49	102.0	101.6	152.4
51	45.4	30.3	45.5
86	63.9	50.6	75.8



#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.092 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:	56	Resp:	5199
Ion	Ratio	Lower	Upper
56	100		
69	167.1	23.3	34.9#
84	118.2	66.5	99.7#

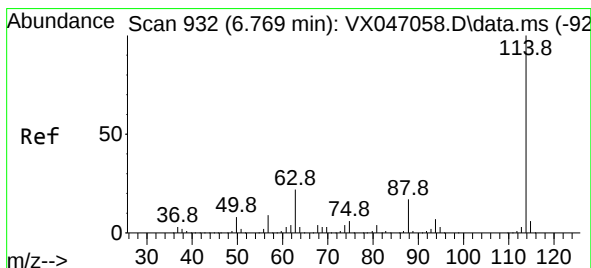
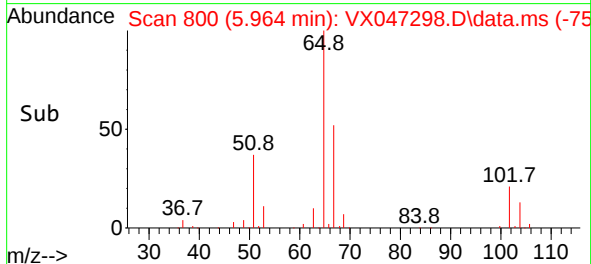
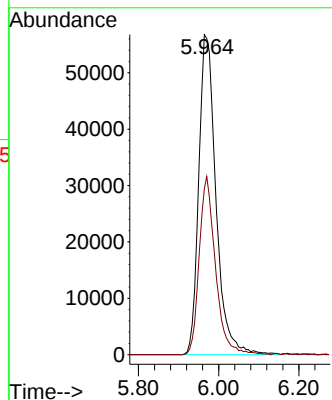
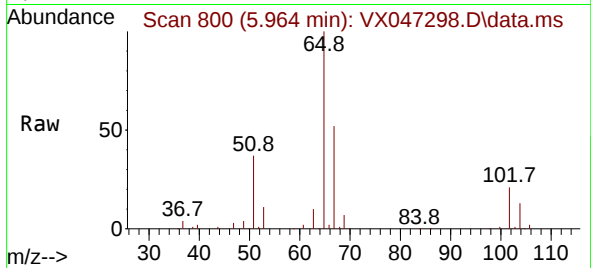




#33
 1,2-Dichloroethane-d4
 Concen: 51.241 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX047298.D
 Acq: 12 Aug 2025 15:39

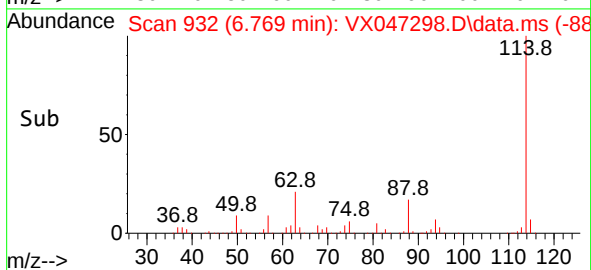
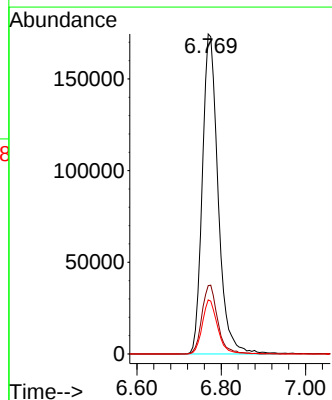
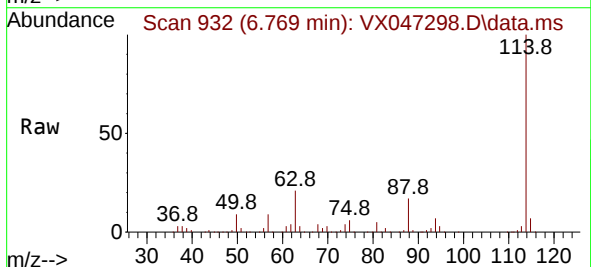
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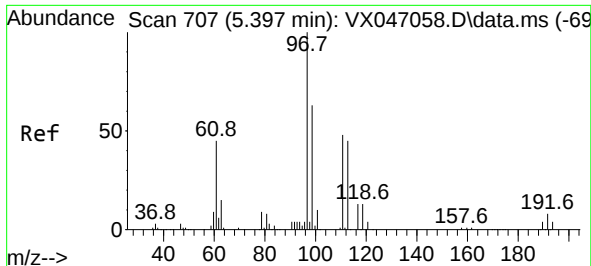
Tgt Ion: 65 Resp: 169133
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX047298.D
 Acq: 12 Aug 2025 15:39

Tgt Ion: 114 Resp: 454854
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 53.026 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047298.D

Acq: 12 Aug 2025 15:39

Instrument :

MSVOA_X

ClientSampleId :

TW-38M-E

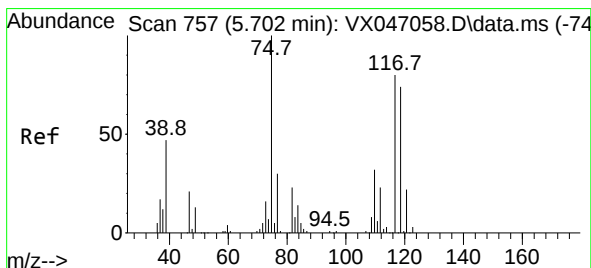
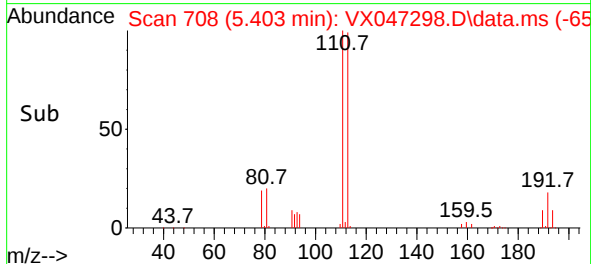
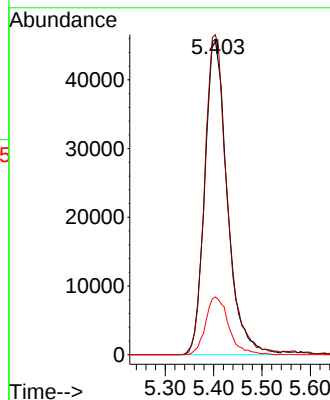
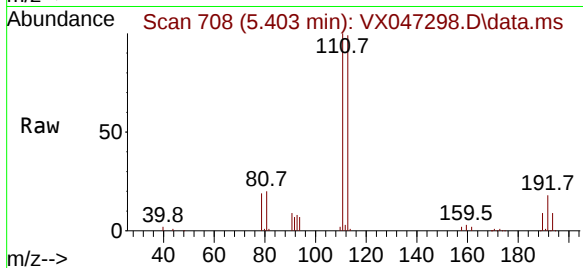
Tgt Ion:113 Resp: 148918

Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

192 18.8 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.598 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX047298.D

Acq: 12 Aug 2025 15:39

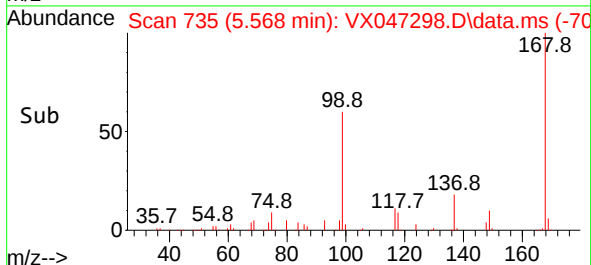
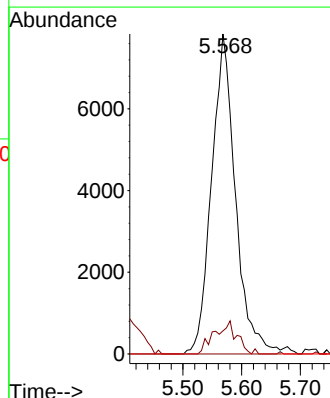
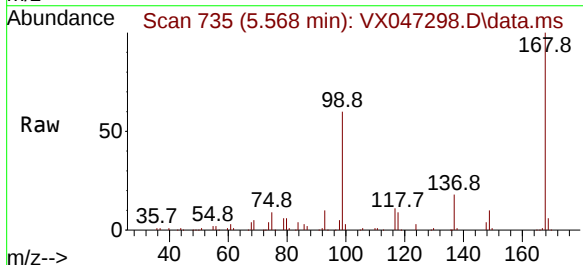
Tgt Ion: 75 Resp: 22013

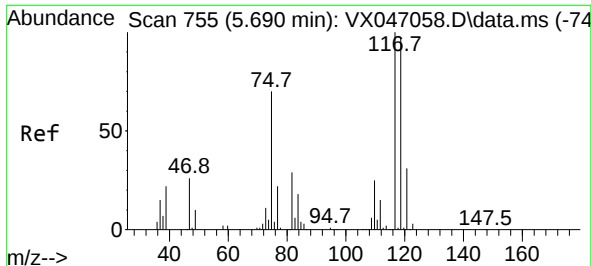
Ion Ratio Lower Upper

75 100

110 9.6 17.2 51.5#

77 0.0 25.1 37.7#

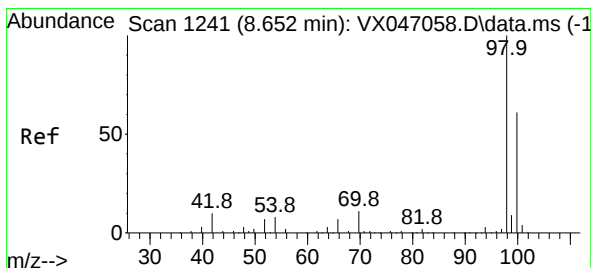
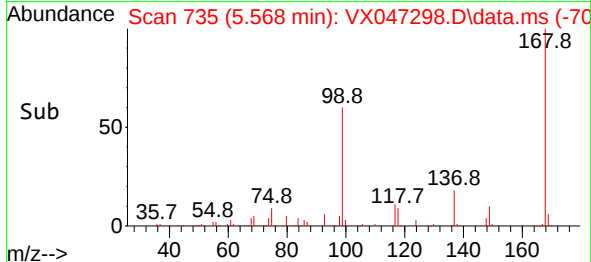
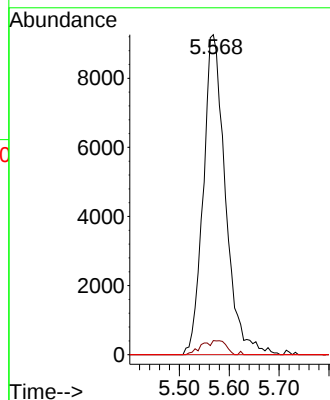
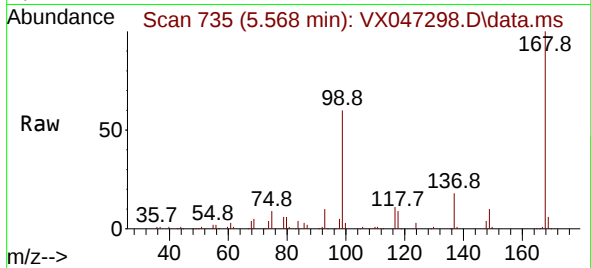




#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

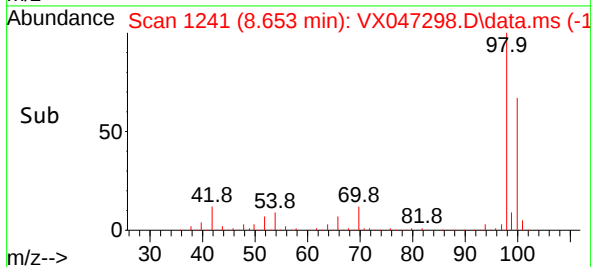
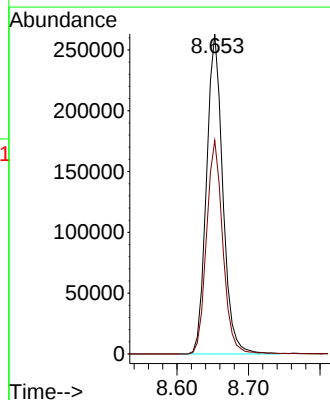
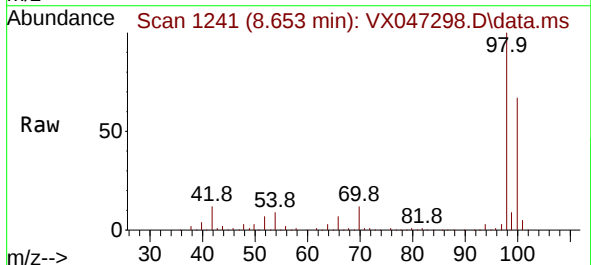
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

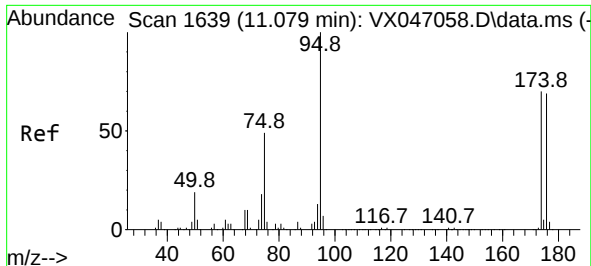
Tgt Ion:117 Resp: 28613
Ion Ratio Lower Upper
117 100
119 4.4 76.6 115.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.812 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 98 Resp: 416660
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

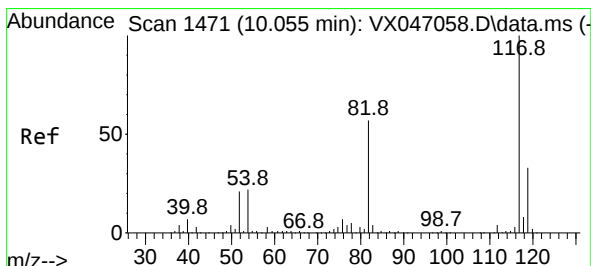
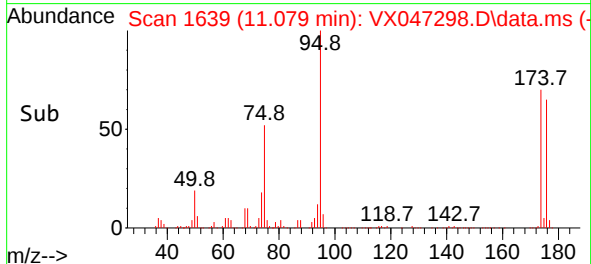
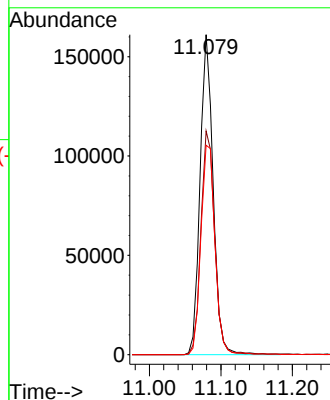
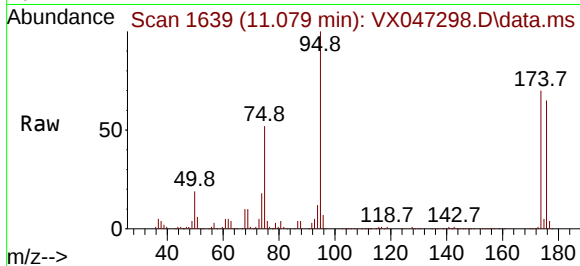




#62
4-Bromofluorobenzene
Concen: 52.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

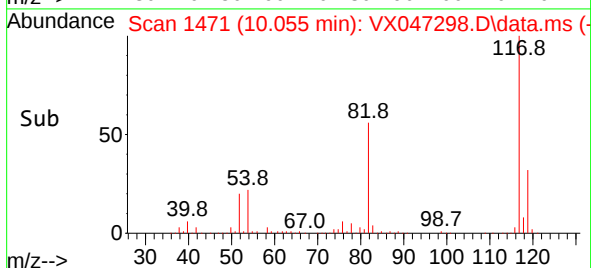
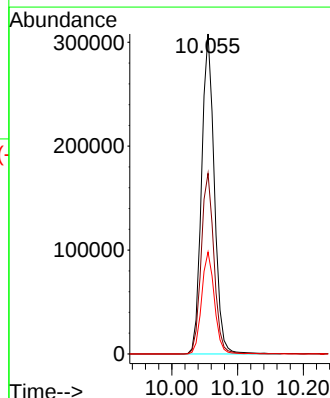
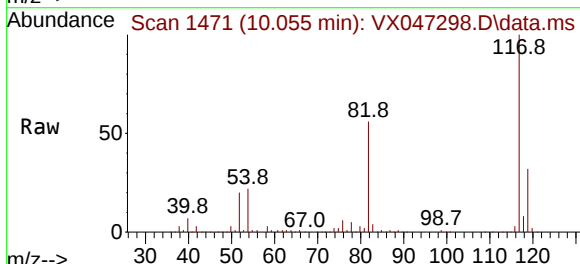
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

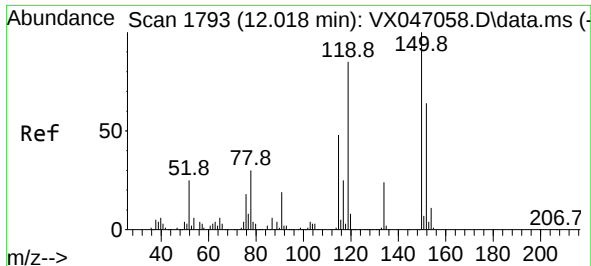
Tgt Ion: 95 Resp: 204153
Ion Ratio Lower Upper
95 100
174 73.3 0.0 144.6
176 70.8 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 117 Resp: 416219
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 31.9 26.1 39.1

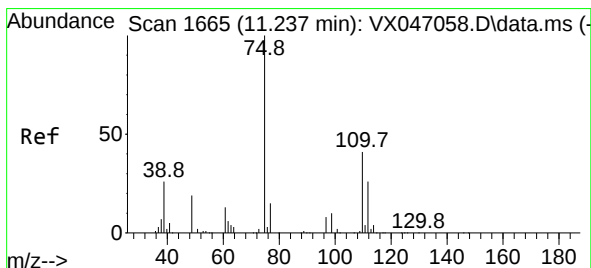
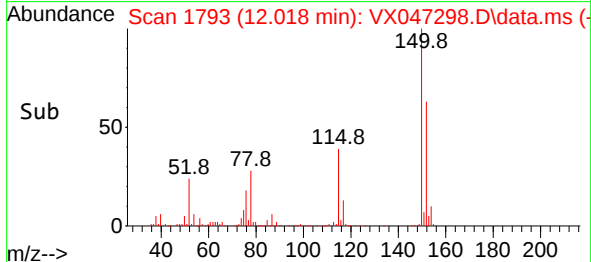
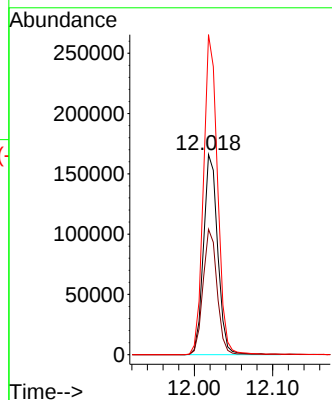
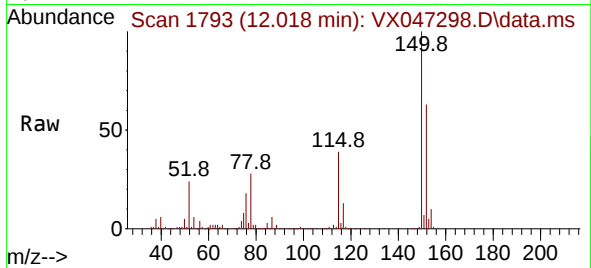




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047298.D
 Acq: 12 Aug 2025 15:39

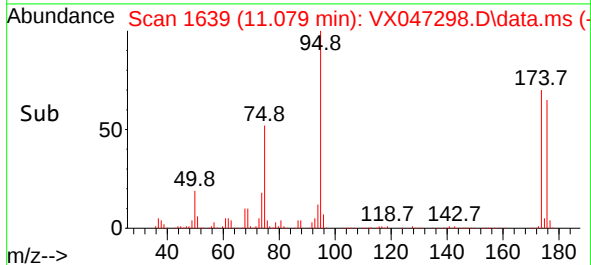
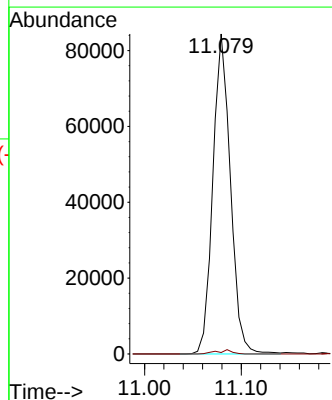
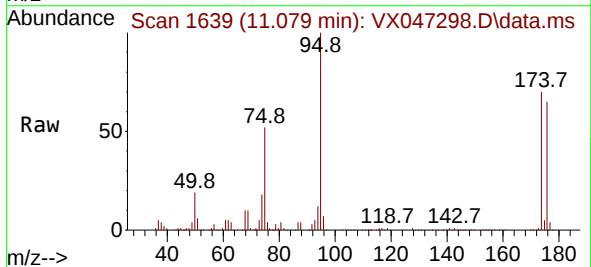
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-38M-E

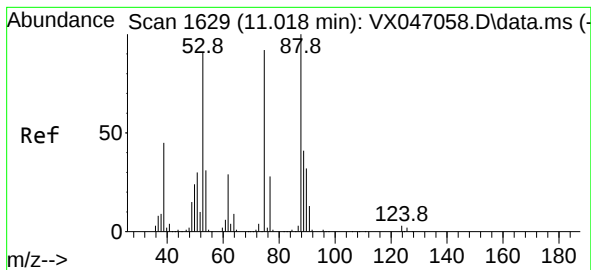
Tgt Ion:152 Resp: 208948
 Ion Ratio Lower Upper
 152 100
 115 62.1 45.6 136.7
 150 158.8 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 27.506 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047298.D
 Acq: 12 Aug 2025 15:39

Tgt Ion: 75 Resp: 106380
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 65.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.866 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX047298.D
 Acq: 12 Aug 2025 15:39

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-38M-E

Tgt Ion: 75 Resp: 106380
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.2 126.4#
 89 0.0 36.0 54.0#

