

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047121.D
 Acq On : 24 Jul 2025 15:33
 Operator : JC/MD
 Sample : Q2481-19 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:25:03 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)

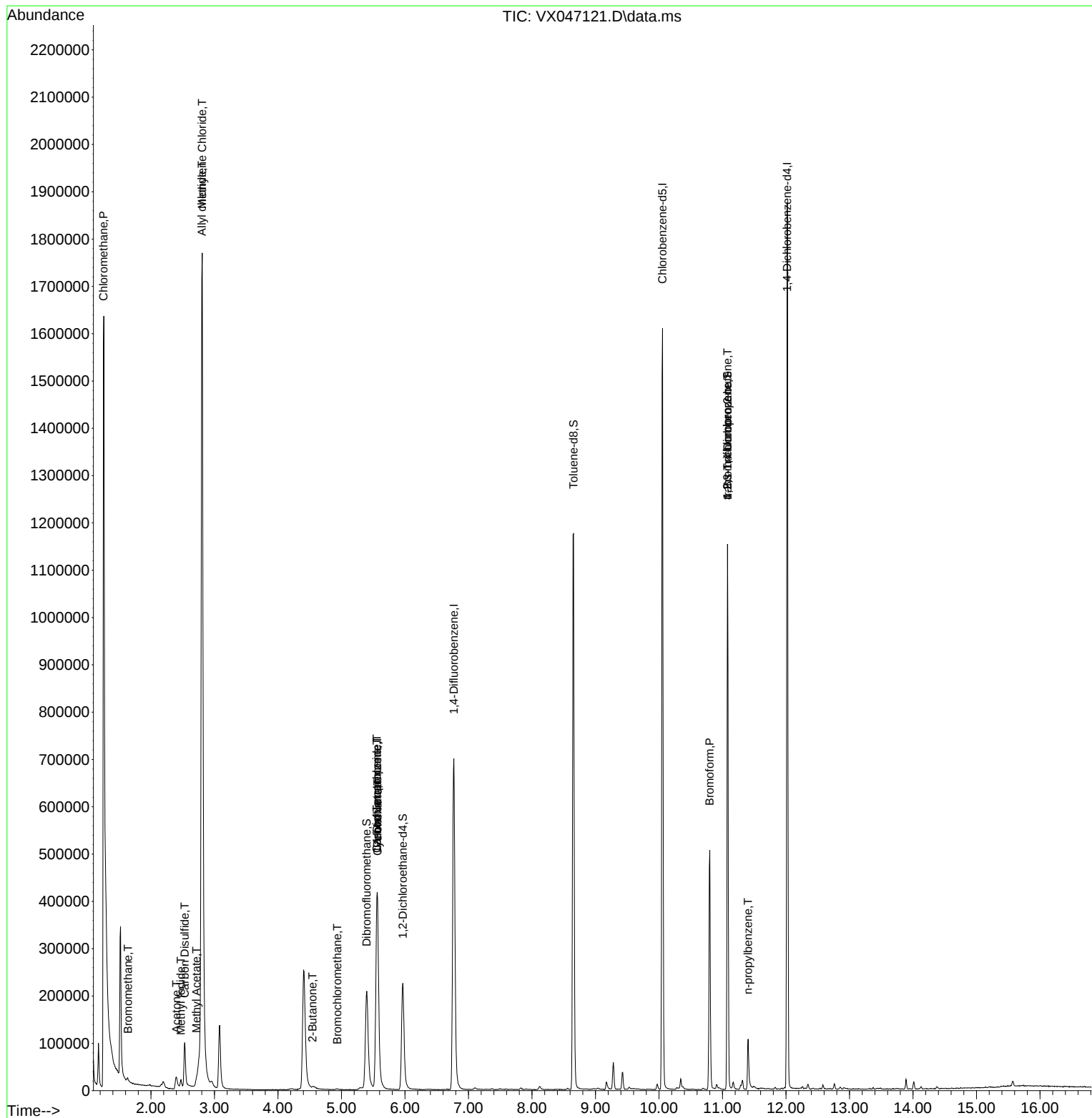
Internal Standards						
1) Pentafluorobenzene	5.562	168	414773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	745400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	702427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	362645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	239435	46.341	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.680%
35) Dibromofluoromethane	5.397	113	198177	43.060	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.120%
50) Toluene-d8	8.653	98	718564	48.211	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.420%
62) 4-Bromofluorobenzene	11.079	95	301699	46.971	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.940%
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	59075	10.840	ug/l #	44
5) Bromomethane	1.636	94	3618	1.137	ug/l	96
10) Methyl Iodide	2.471	142	17594	3.280	ug/l	93
11) Tert butyl alcohol	2.959	59	5443	Below Cal	#	72
14) Allyl chloride	2.800	41	337030	35.769	ug/l #	40
16) Acetone	2.398	43	49665	23.995	ug/l	91
17) Carbon Disulfide	2.532	76	141496	9.383	ug/l	98
18) Methyl Acetate	2.715	43	14901	2.709	ug/l	98
20) Methylene Chloride	2.806	84	856836	150.473	ug/l	99
25) 2-Butanone	4.544	43	730	0.242	ug/l #	52
28) Bromochloromethane	4.934	49	1069	0.231	ug/l #	74
31) Cyclohexane	5.568	56	9777	1.012	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	35711	4.552	ug/l #	51
38) Carbon Tetrachloride	5.556	117	44810	5.352	ug/l #	17
71) Bromoform	10.799	173	167778	39.867	ug/l #	100
76) 1,2,3-Trichloropropane	11.079	75	159897	23.821	ug/l #	35
78) n-propylbenzene	11.403	91	7243	0.212	ug/l #	54
81) trans-1,4-Dichloro-2-b...	11.079	75	159897	61.373	ug/l #	8

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

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MSVOA_X
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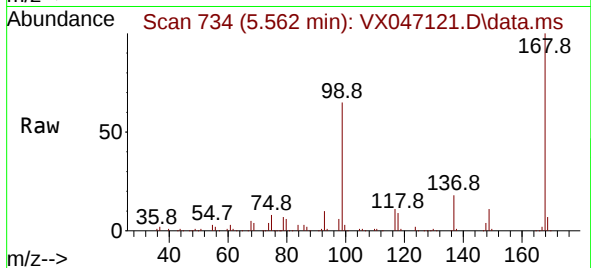
Quant Time: Jul 25 01:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
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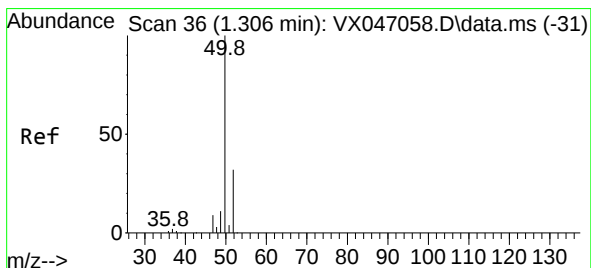
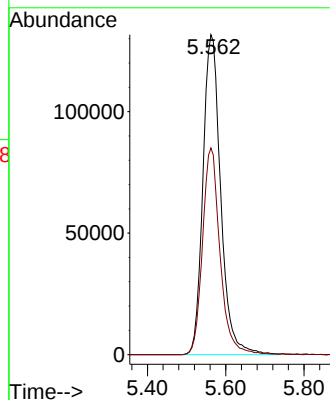
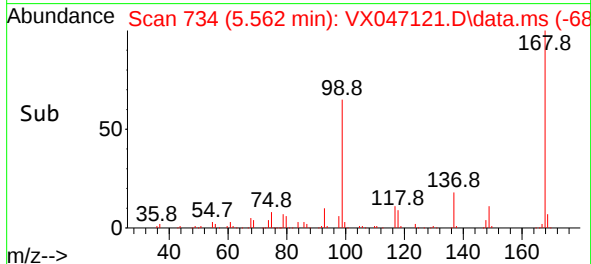


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :

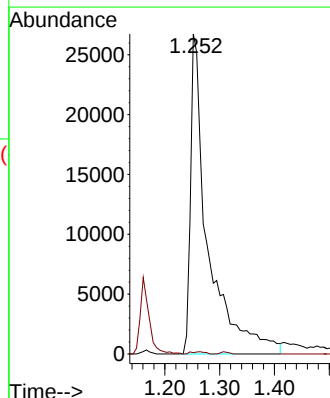
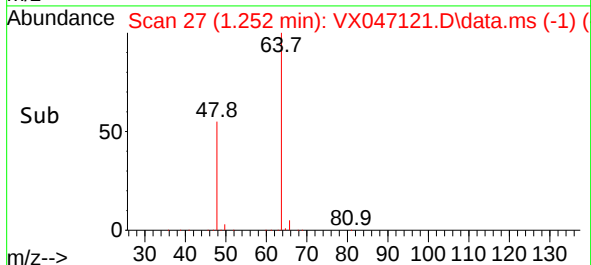
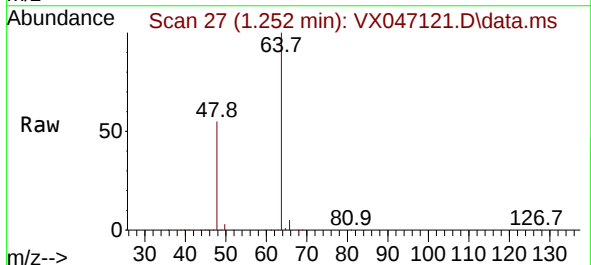


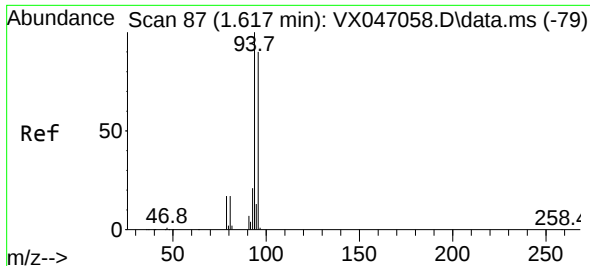
Tgt Ion:168 Resp: 414773
Ion Ratio Lower Upper
168 100
99 64.6 48.0 72.0



#3
Chloromethane
Concen: 10.840 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.054 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 50 Resp: 59075
Ion Ratio Lower Upper
50 100
52 0.4 25.4 38.2#

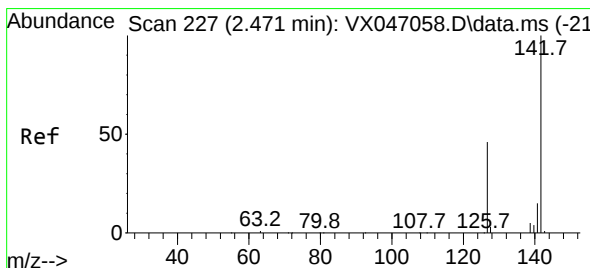
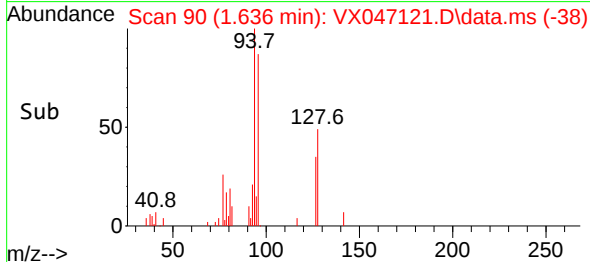
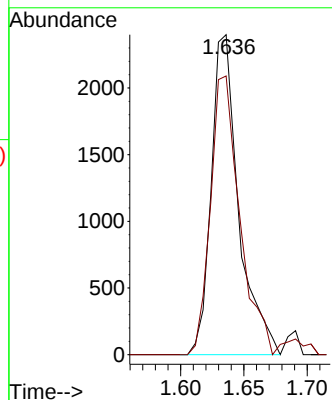
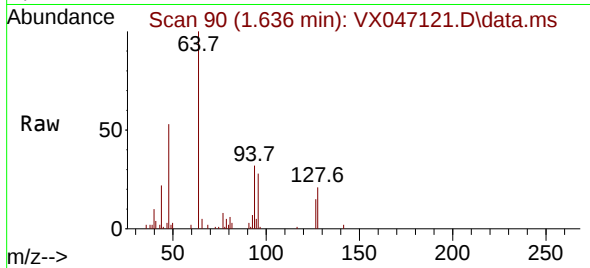




#5
Bromomethane
Concen: 1.137 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.019 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

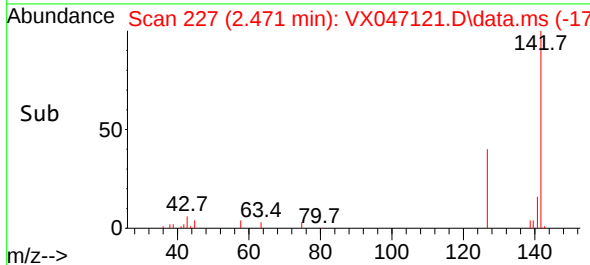
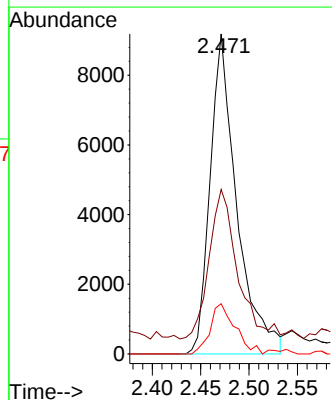
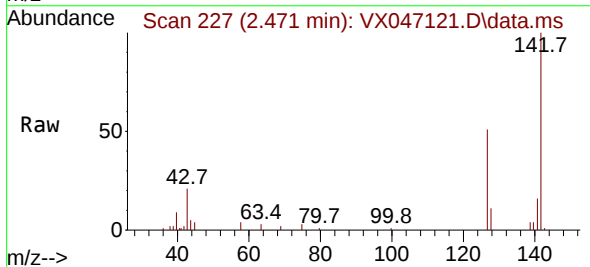
Instrument :
MSVOA_X
ClientSampleId :

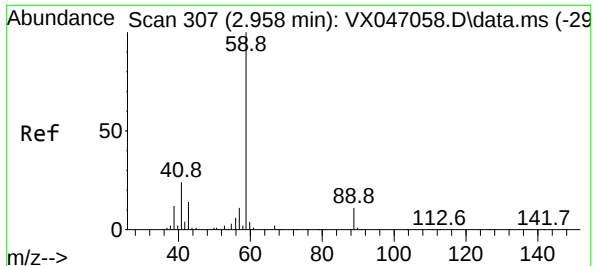
Tgt Ion: 94 Resp: 3618
Ion Ratio Lower Upper
94 100
96 87.1 72.3 108.5



#10
Methyl Iodide
Concen: 3.280 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 142 Resp: 17594
Ion Ratio Lower Upper
142 100
127 51.1 36.6 54.8
141 15.1 10.9 16.3

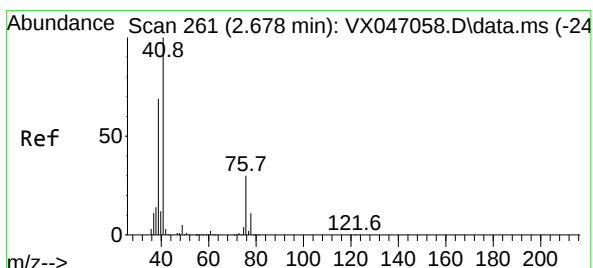
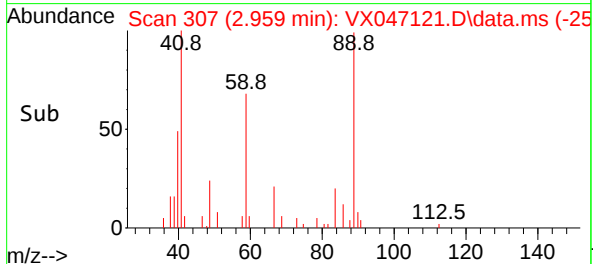
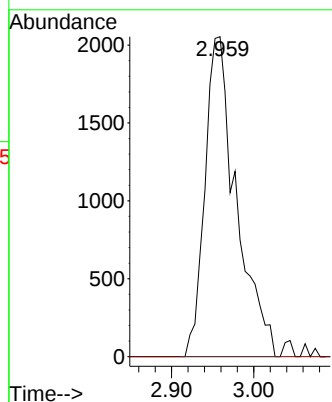
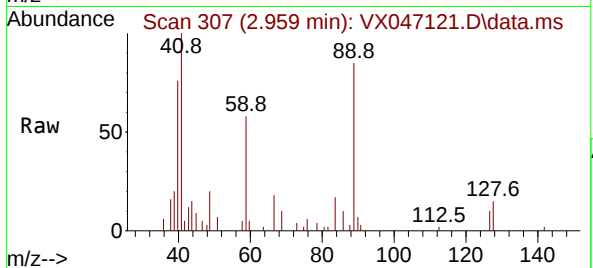




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

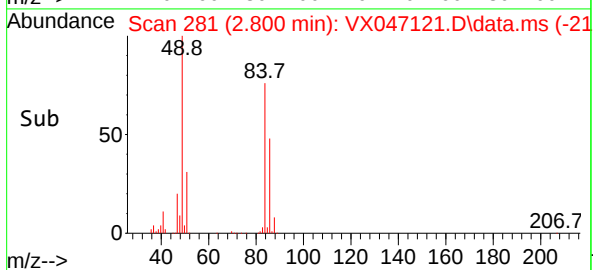
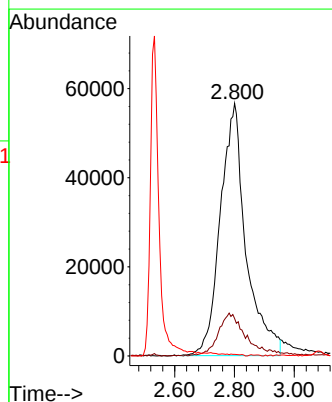
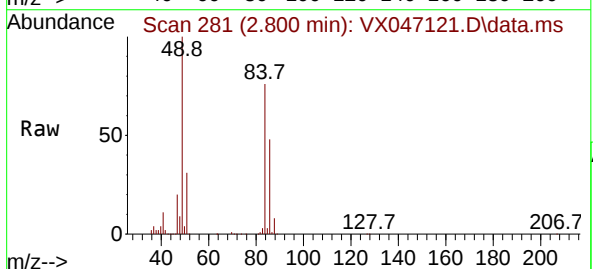
Instrument :
MSVOA_X
ClientSampleId :

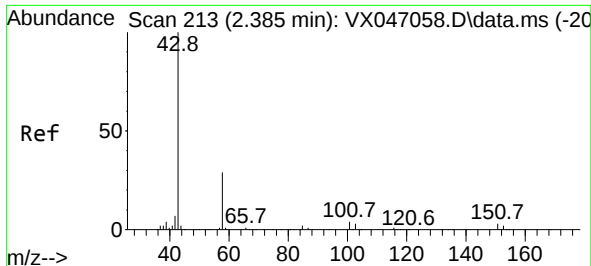
Tgt Ion: 59 Resp: 5443
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 35.769 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.122 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 41 Resp: 337030
Ion Ratio Lower Upper
41 100
39 17.3 52.6 78.8#
76 0.0 25.7 38.5#

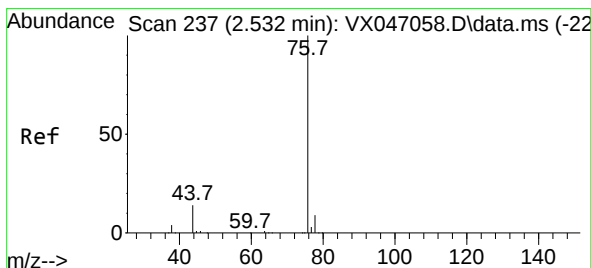
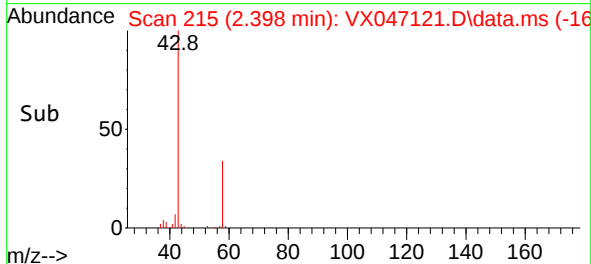
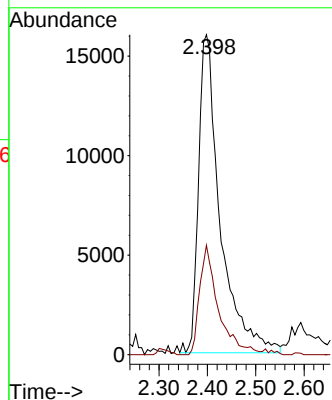
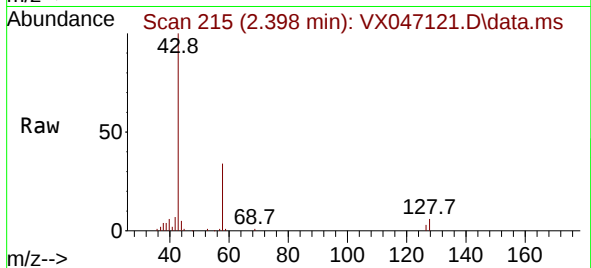




#16
Acetone
Concen: 23.995 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

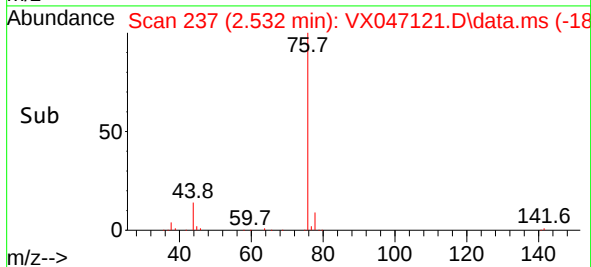
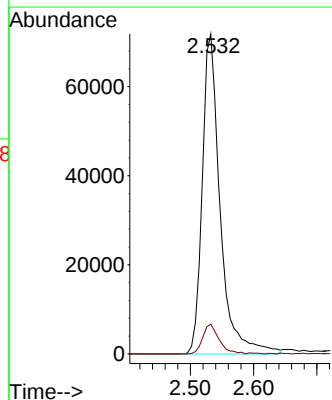
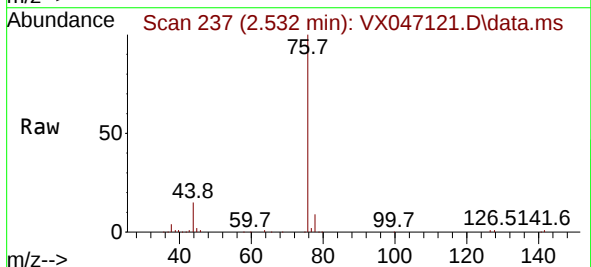
Instrument :
MSVOA_X
ClientSampleId :

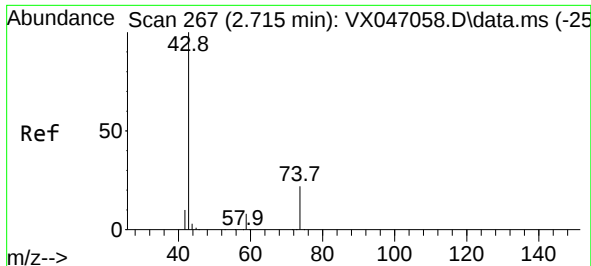
Tgt Ion: 43 Resp: 49665
Ion Ratio Lower Upper
43 100
58 35.1 24.0 36.0



#17
Carbon Disulfide
Concen: 9.383 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 76 Resp: 141496
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

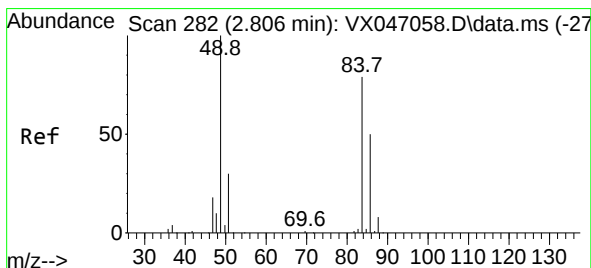
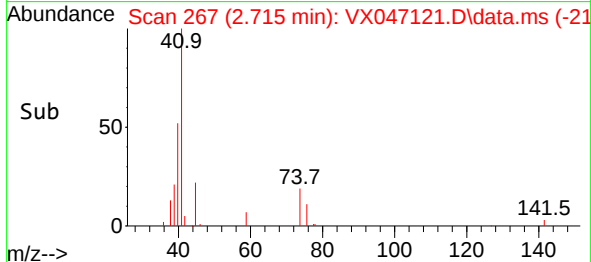
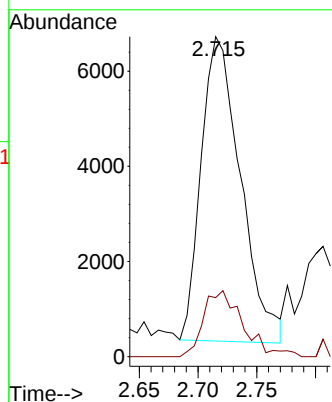
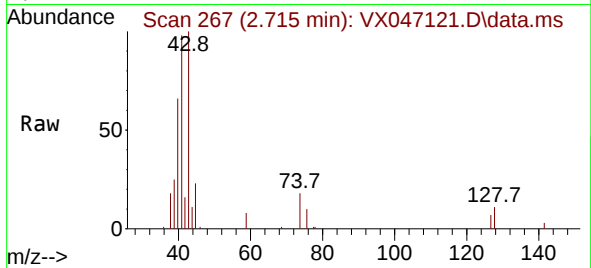




#18
Methyl Acetate
Concen: 2.709 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

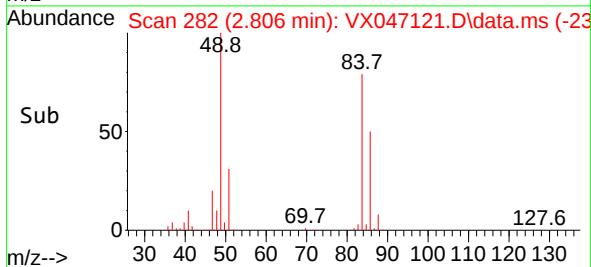
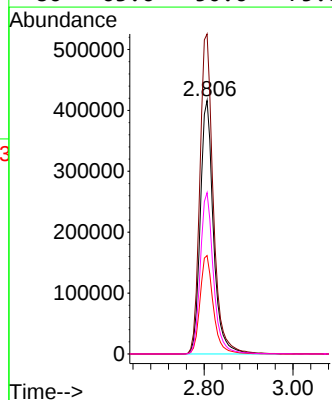
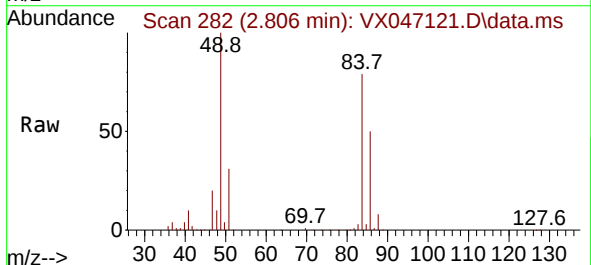
Instrument :
MSVOA_X
ClientSampleId :

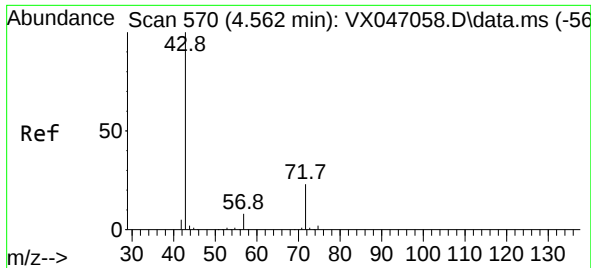
Tgt Ion: 43 Resp: 14901
Ion Ratio Lower Upper
43 100
74 21.2 17.7 26.5



#20
Methylene Chloride
Concen: 150.473 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 84 Resp: 856836
Ion Ratio Lower Upper
84 100
49 126.2 101.6 152.4
51 38.8 30.3 45.5
86 63.6 50.6 75.8

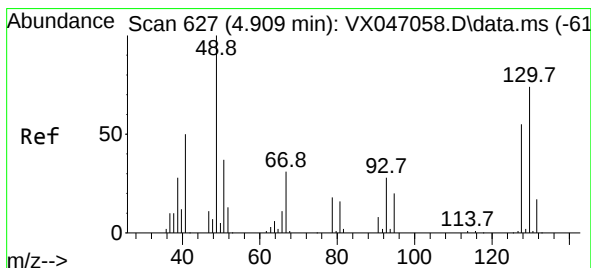
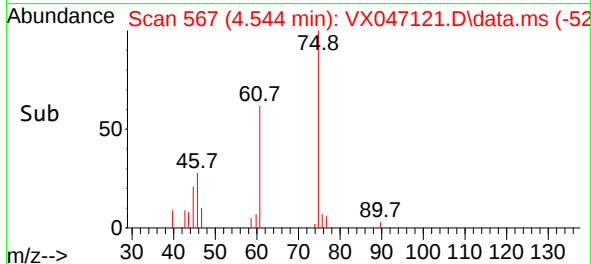
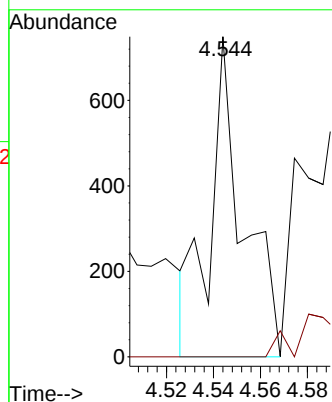
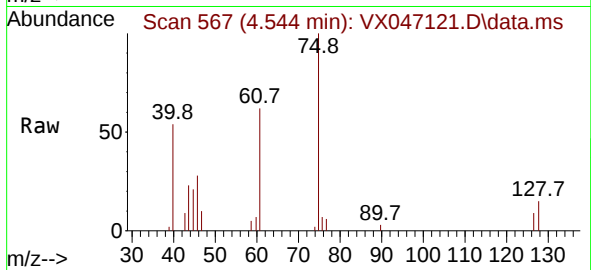




#25
2-Butanone
Concen: 0.242 ug/l
RT: 4.544 min Scan# 51
Delta R.T. -0.018 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

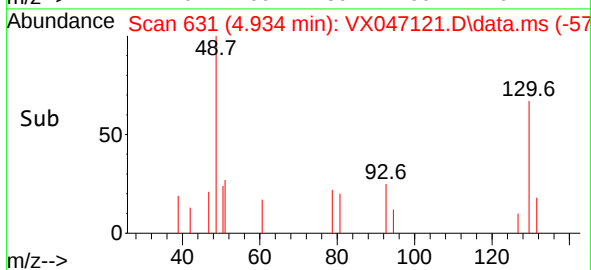
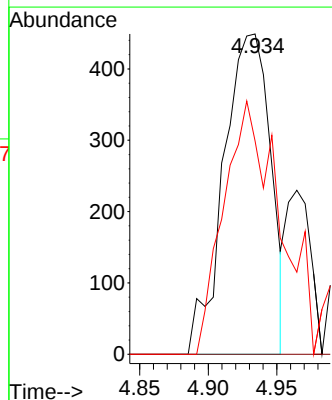
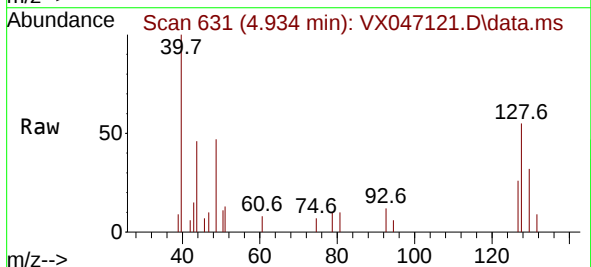
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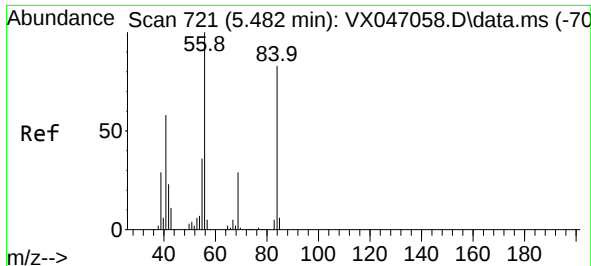
Tgt Ion: 43 Resp: 730
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#28
Bromochloromethane
Concen: 0.231 ug/l
RT: 4.934 min Scan# 631
Delta R.T. 0.025 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

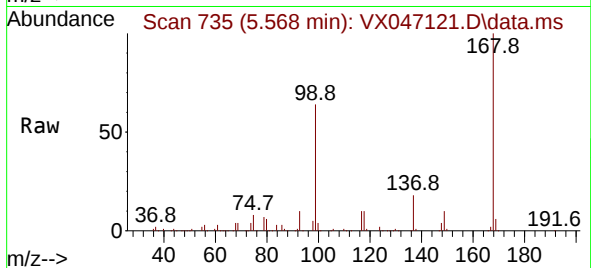
Tgt Ion: 49 Resp: 1069
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 95.8 59.0 88.4#



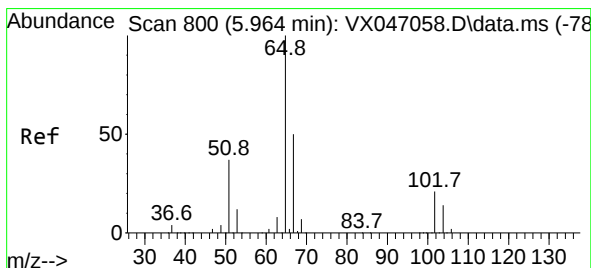
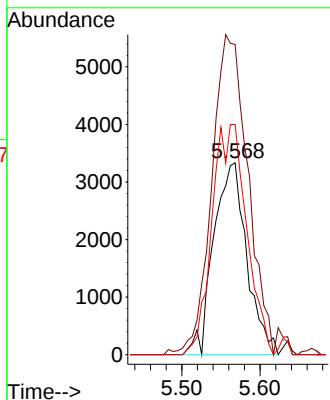
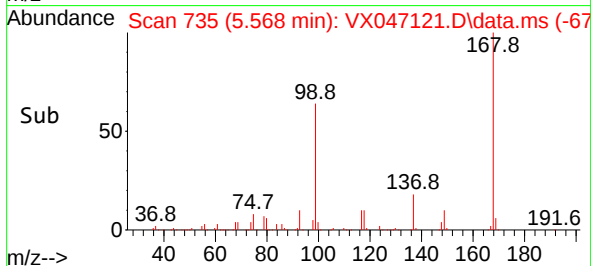


#31
Cyclohexane
Concen: 1.012 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.086 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :

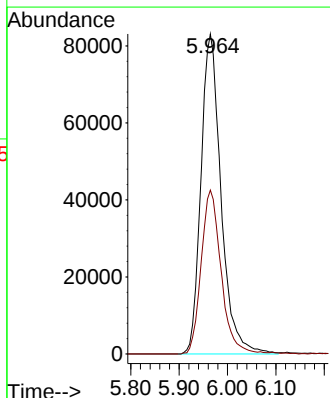
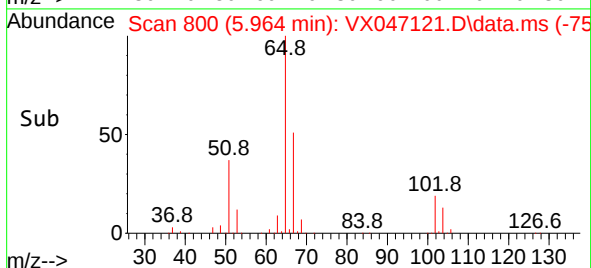
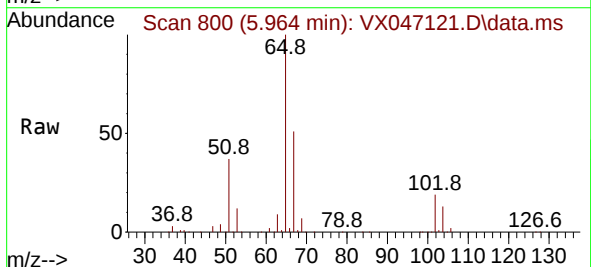


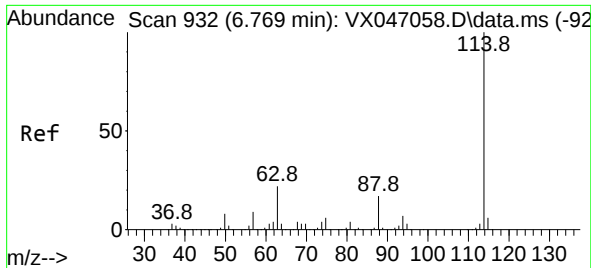
Tgt Ion: 56 Resp: 9777
Ion Ratio Lower Upper
56 100
69 155.1 23.3 34.9#
84 116.6 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 46.341 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

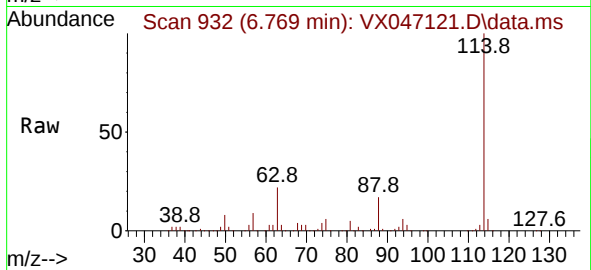
Tgt Ion: 65 Resp: 239435
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.8



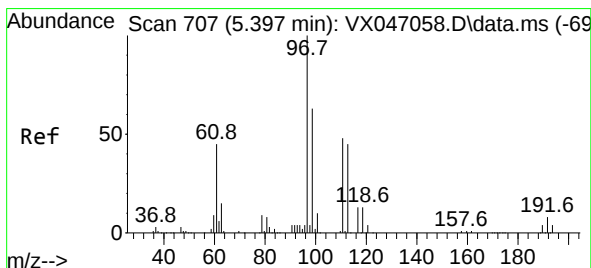
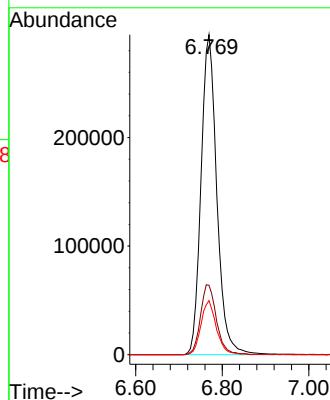
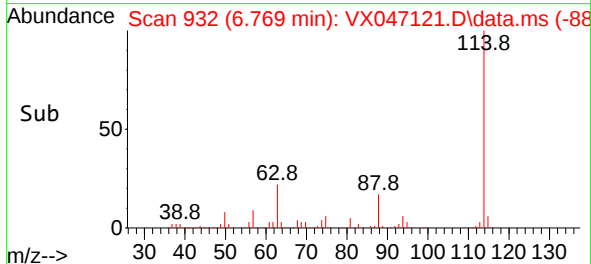


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

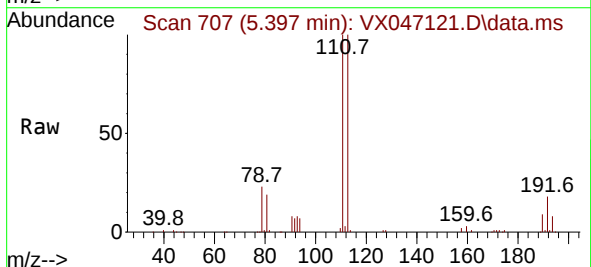
Instrument :
MSVOA_X
ClientSampleId :



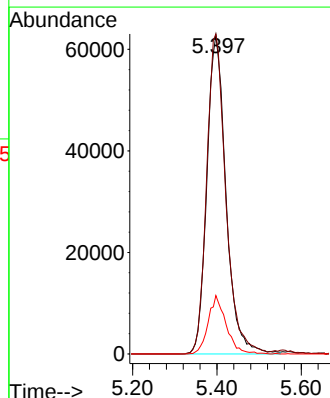
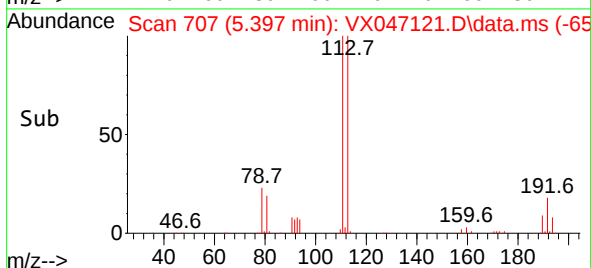
Tgt Ion:114 Resp: 745400
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.2
88 16.9 0.0 33.8

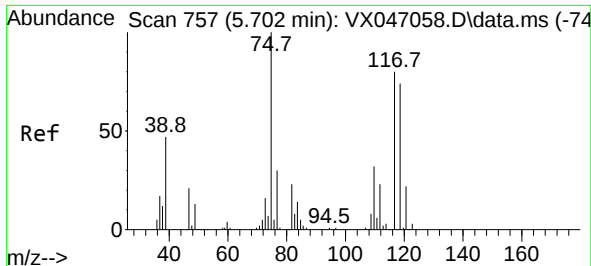


#35
Dibromofluoromethane
Concen: 43.060 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33



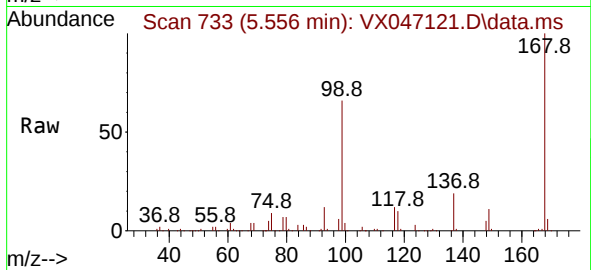
Tgt Ion:113 Resp: 198177
Ion Ratio Lower Upper
113 100
111 100.6 82.6 124.0
192 17.2 14.9 22.3



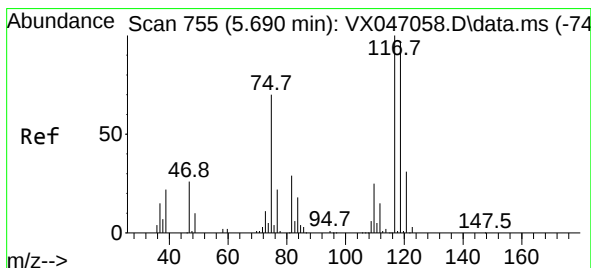
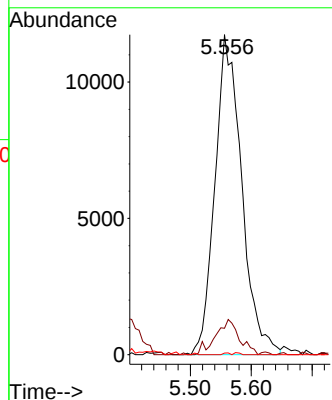
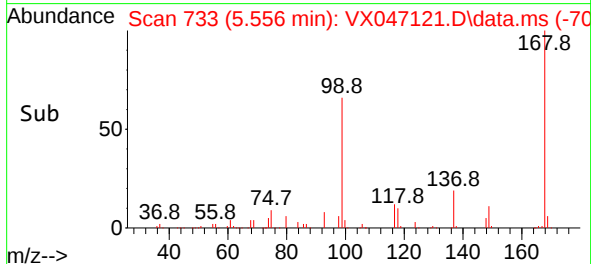


#36
1,1-Dichloropropene
Concen: 4.552 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

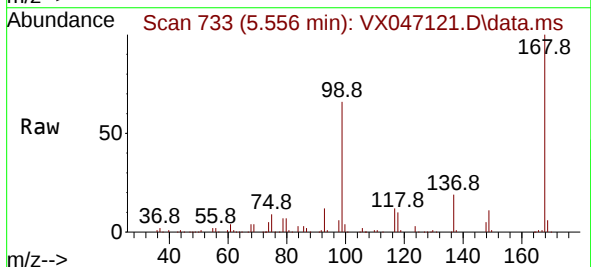
Instrument :
MSVOA_X
ClientSampleId :



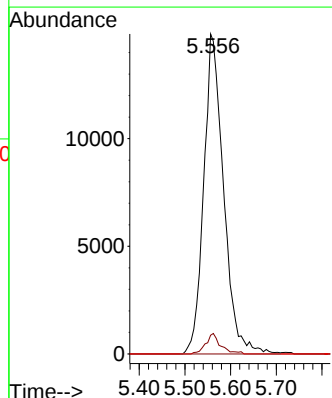
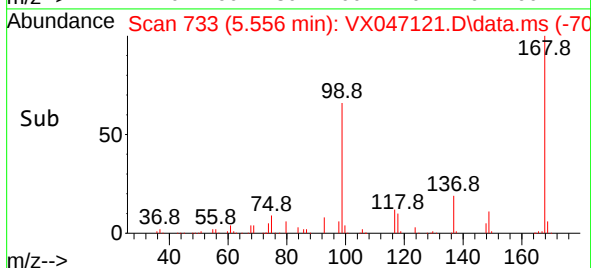
Tgt Ion: 75 Resp: 35711
Ion Ratio Lower Upper
75 100
110 9.8 17.2 51.5#
77 0.1 25.1 37.7#

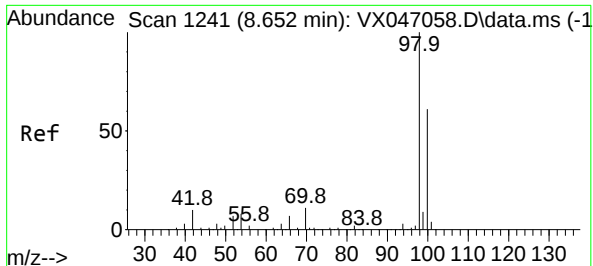


#38
Carbon Tetrachloride
Concen: 5.352 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33



Tgt Ion: 117 Resp: 44810
Ion Ratio Lower Upper
117 100
119 5.9 76.6 115.0#
121 0.0 24.4 36.6#

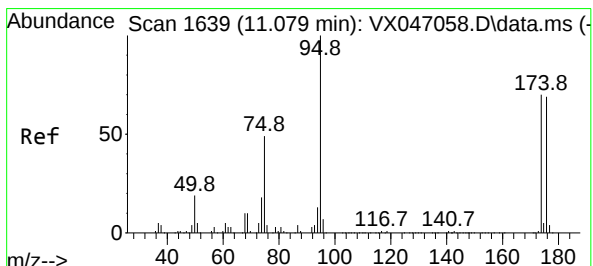
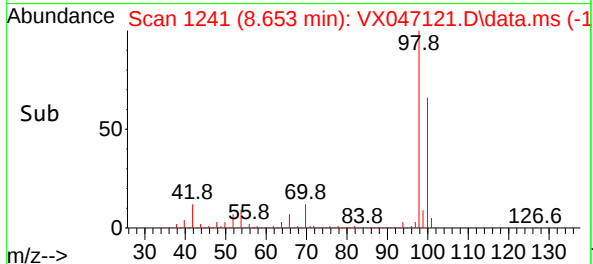
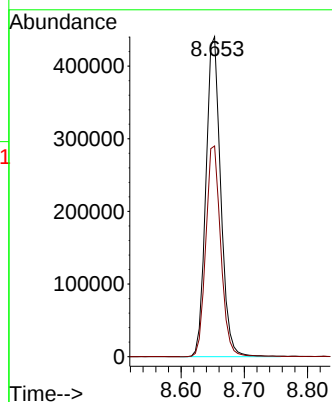
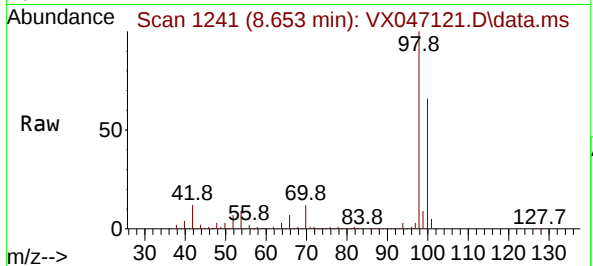




#50
Toluene-d8
Concen: 48.211 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

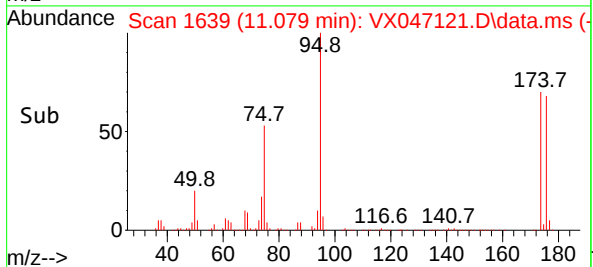
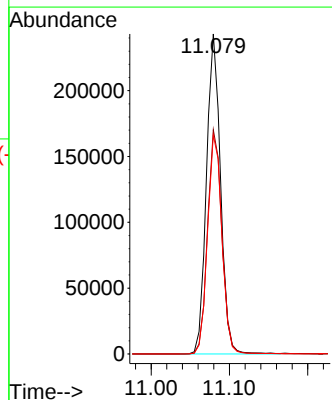
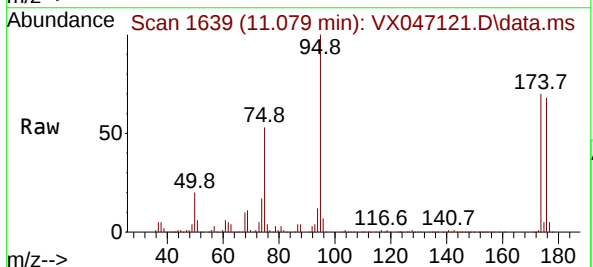
Instrument :
MSVOA_X
ClientSampleId :

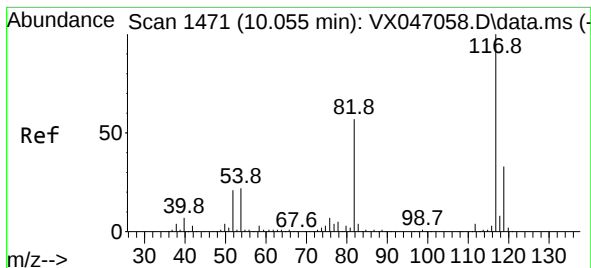
Tgt Ion: 98 Resp: 718564
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.971 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 95 Resp: 301699
Ion Ratio Lower Upper
95 100
174 71.8 0.0 144.6
176 69.8 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: VX047121.D

Acq: 24 Jul 2025 15:33

Instrument :

MSVOA_X

ClientSampleId :

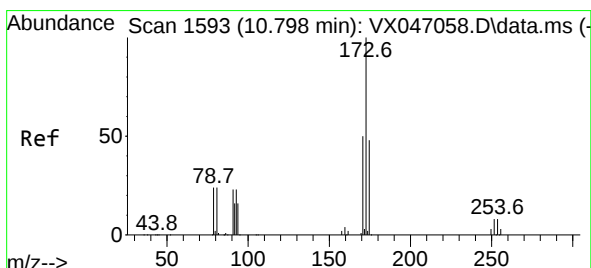
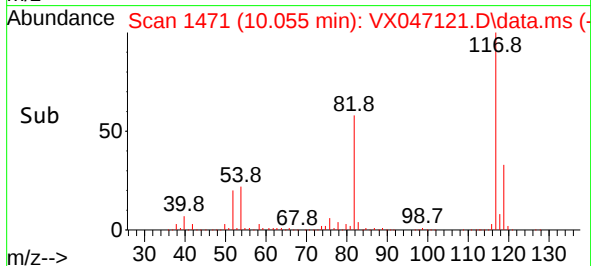
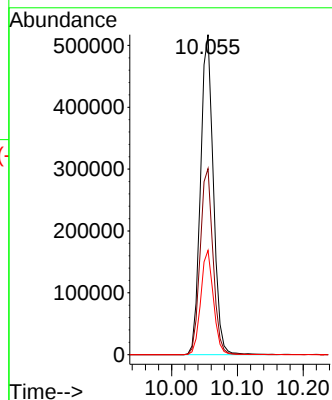
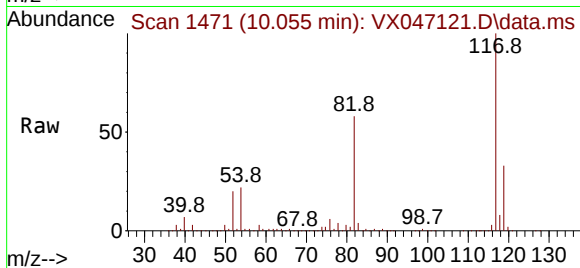
Tgt Ion:117 Resp: 702427

Ion Ratio Lower Upper

117 100

82 58.2 45.4 68.2

119 32.6 26.1 39.1



#71

Bromoform

Concen: 39.867 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX047121.D

Acq: 24 Jul 2025 15:33

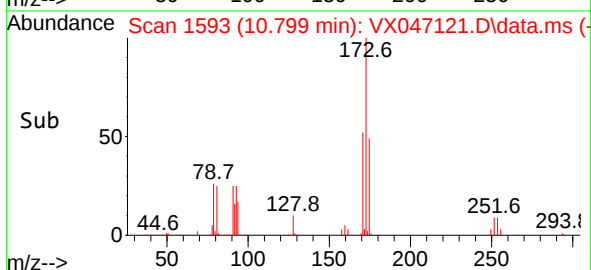
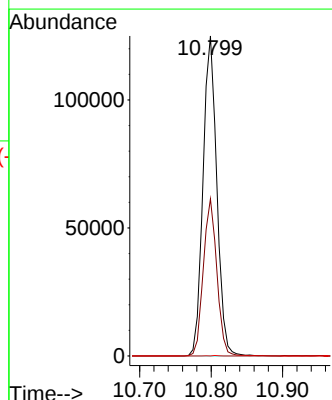
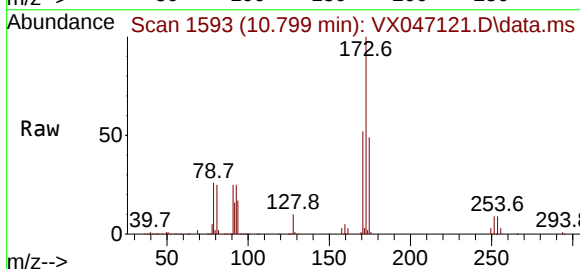
Tgt Ion:173 Resp: 167778

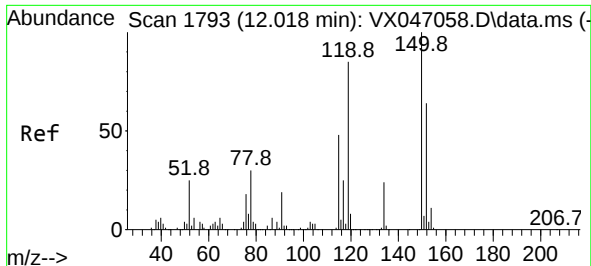
Ion Ratio Lower Upper

173 100

175 48.1 24.2 72.6

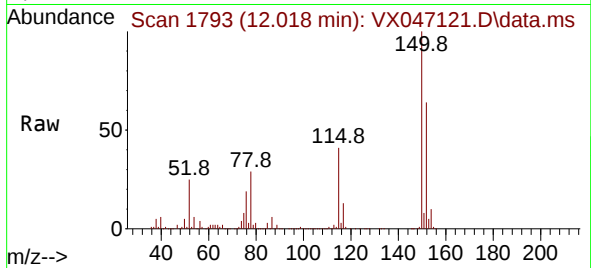
254 0.1 0.1 0.1#



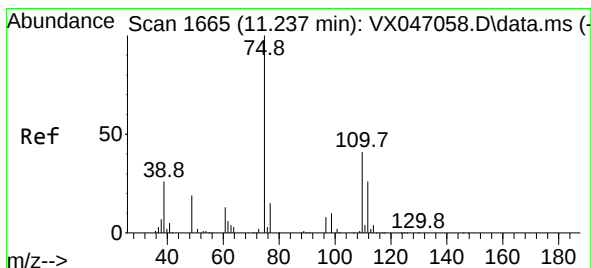
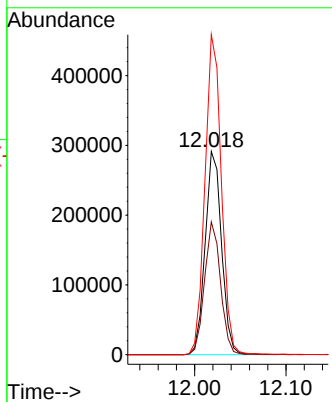
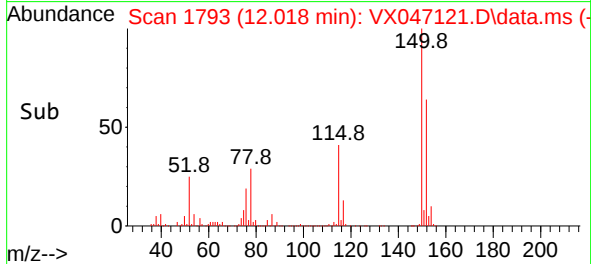


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. 0.001 min
 Lab File: VX047121.D
 Acq: 24 Jul 2025 15:33

Instrument :
 MSVOA_X
 ClientSampleId :

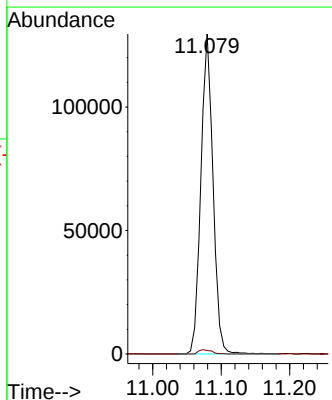
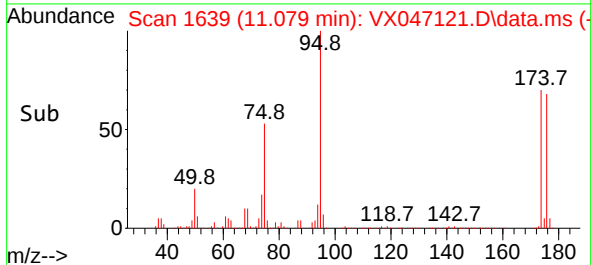
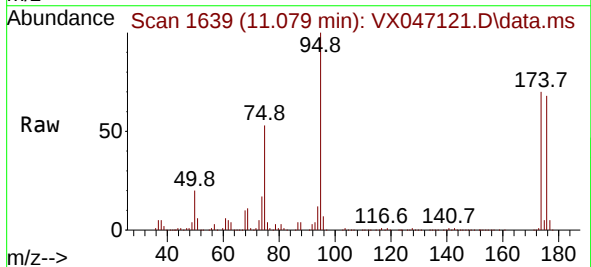


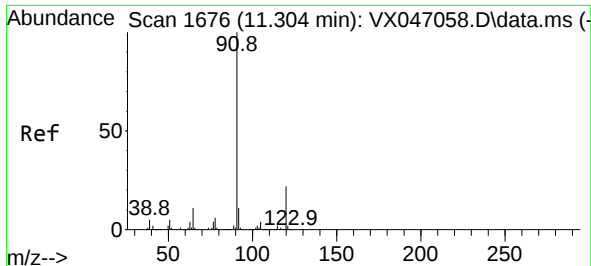
Tgt Ion:152 Resp: 362645
 Ion Ratio Lower Upper
 152 100
 115 63.8 45.6 136.7
 150 157.2 0.0 354.6



#76
 1,2,3-Trichloropropane
 Concen: 23.821 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX047121.D
 Acq: 24 Jul 2025 15:33

Tgt Ion: 75 Resp: 159897
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.6 65.0#

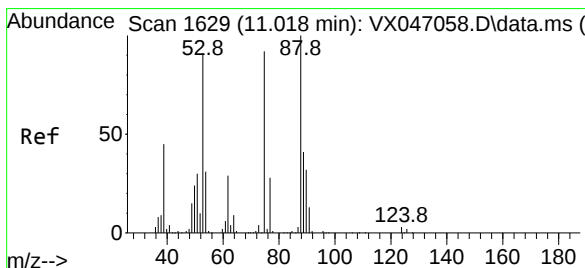
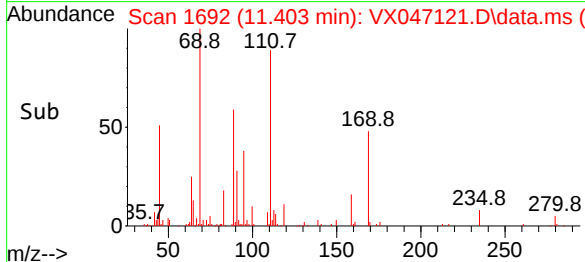
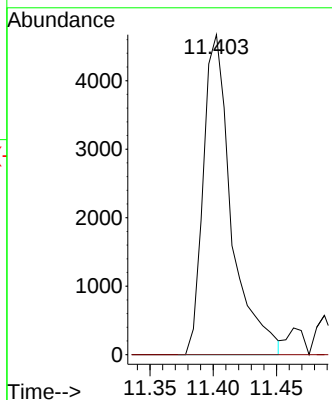
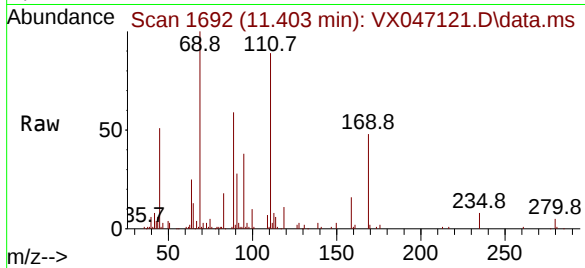




#78
n-propylbenzene
Concen: 0.212 ug/l
RT: 11.403 min Scan# 1692
Delta R.T. 0.098 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 91 Resp: 7243
Ion Ratio Lower Upper
91 100
120 0.0 11.0 33.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.373 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 75 Resp: 159897
Ion Ratio Lower Upper
75 100
53 0.1 84.2 126.4#
89 0.0 36.0 54.0#

