

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047106.D
 Acq On : 24 Jul 2025 10:13
 Operator : JC/MD
 Sample : VX0724MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 25 01:18:44 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)

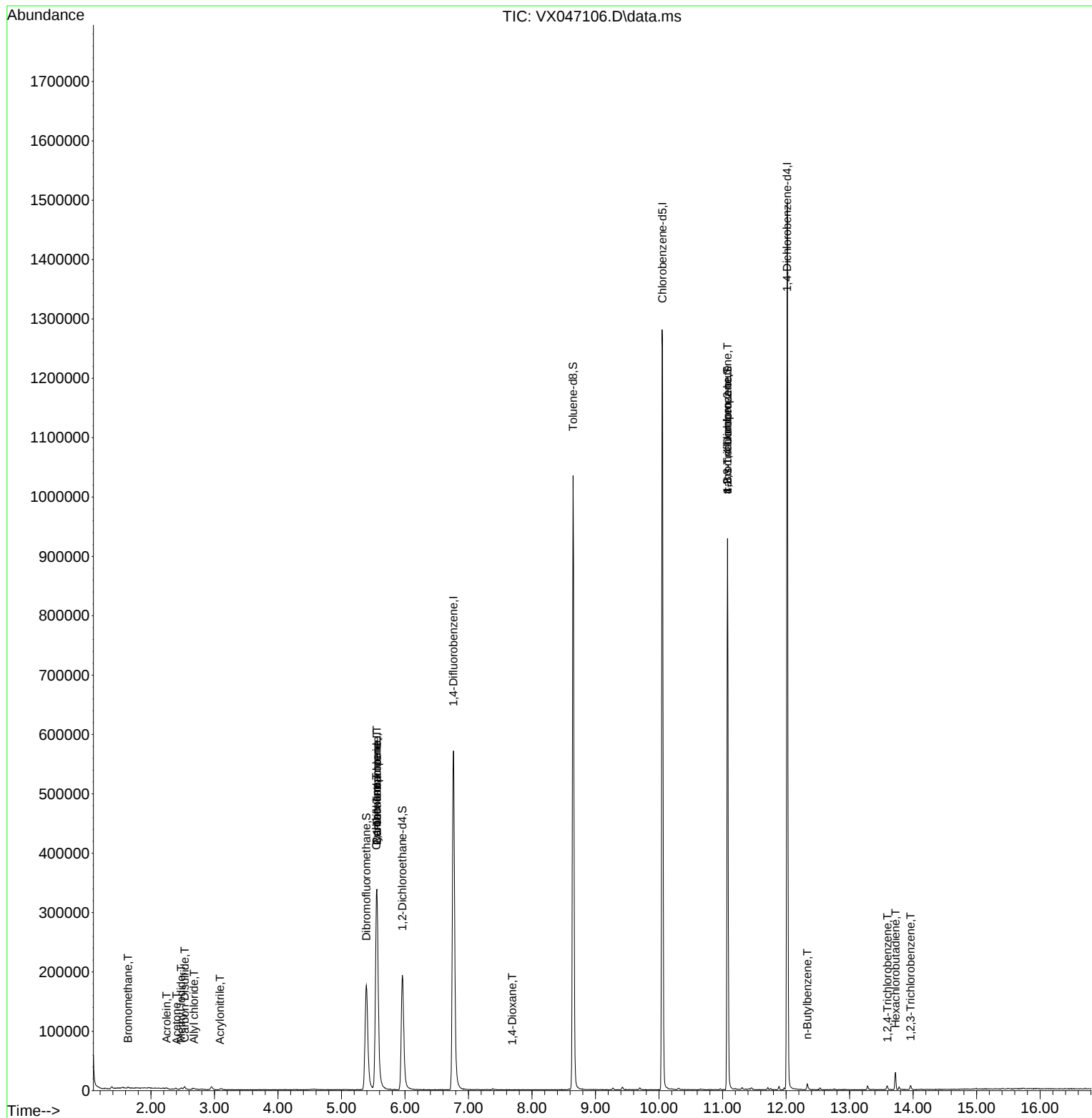
Internal Standards						
1) Pentafluorobenzene	5.556	168	340709	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	609396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	574857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	291142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	206085	48.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.120%		
35) Dibromofluoromethane	5.391	113	168924	44.895	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.800%		
50) Toluene-d8	8.646	98	604794	49.634	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.260%		
62) 4-Bromofluorobenzene	11.079	95	250976	47.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.580%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	820	0.314	ug/l	97
10) Methyl Iodide	2.477	142	4322	0.981	ug/l #	93
11) Tert butyl alcohol	2.952	59	1786	Below Cal	#	80
13) Acrolein	2.245	56	409	0.448	ug/l #	56
14) Allyl chloride	2.678	41	2462	0.318	ug/l #	53
15) Acrylonitrile	3.087	53	846	0.418	ug/l #	53
16) Acetone	2.404	43	2756	1.621	ug/l #	62
17) Carbon Disulfide	2.532	76	5404	0.436	ug/l	100
31) Cyclohexane	5.549	56	8102	1.021	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28281	4.409	ug/l #	51
38) Carbon Tetrachloride	5.556	117	37087	5.418	ug/l #	15
49) 1,4-Dioxane	7.689	88	22	0.385	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	128081	23.768	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	128081	61.235	ug/l #	8
89) n-Butylbenzene	12.335	91	3880	0.210	ug/l	95
93) 1,2,4-Trichlorobenzene	13.597	180	1931	0.292	ug/l	99
94) Hexachlorobutadiene	13.725	225	3796	1.689	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1931	0.303	ug/l	98

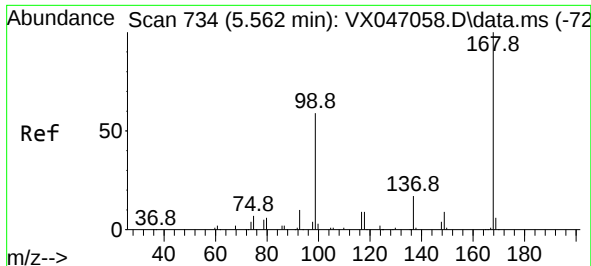
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jul 25 01:18:44 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

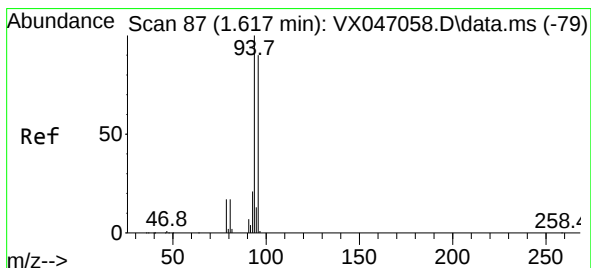
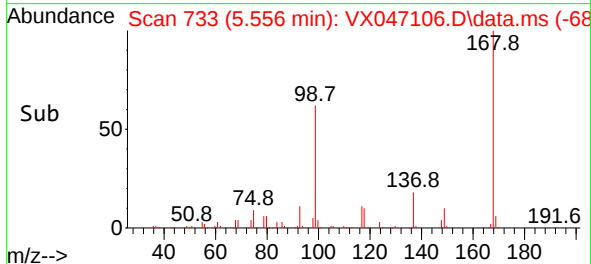
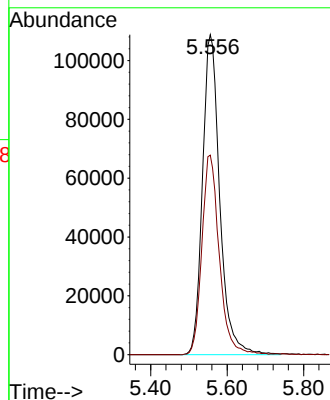
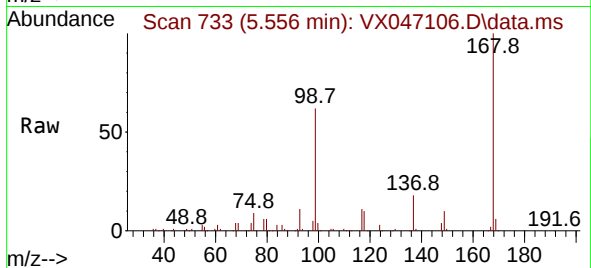




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

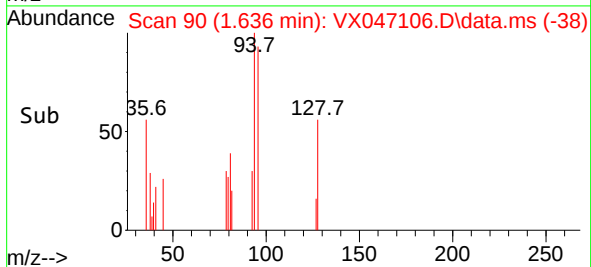
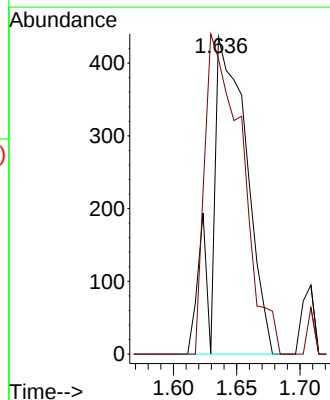
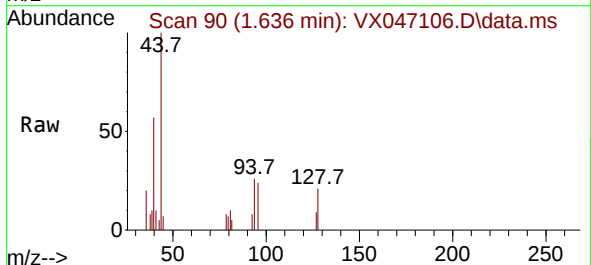
Instrument :
MSVOA_X
ClientSampleId :

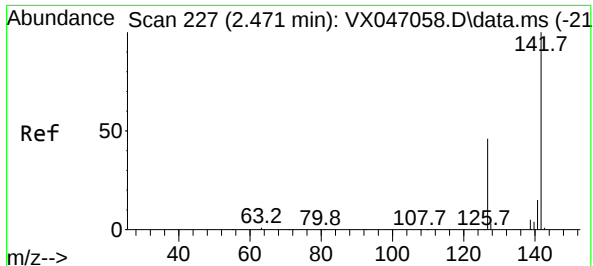
Tgt Ion:168 Resp: 340709
Ion Ratio Lower Upper
168 100
99 62.4 48.0 72.0



#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

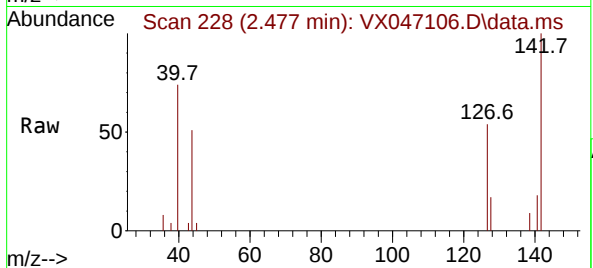
Tgt Ion: 94 Resp: 820
Ion Ratio Lower Upper
94 100
96 93.1 72.3 108.5



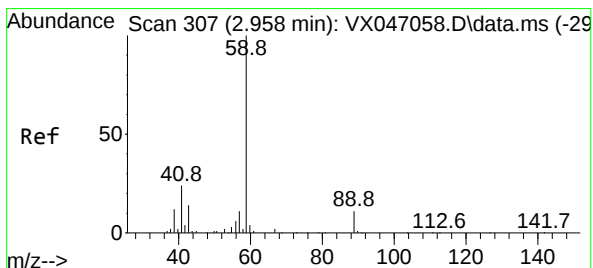
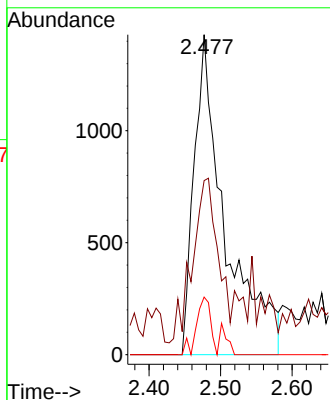
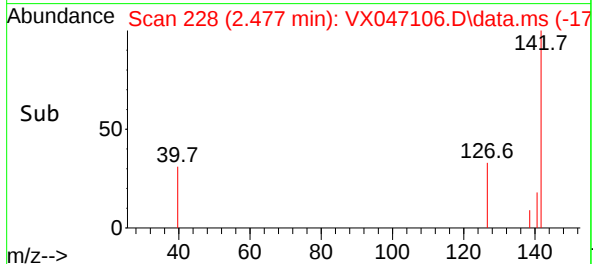


#10
Methyl Iodide
Concen: 0.981 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :

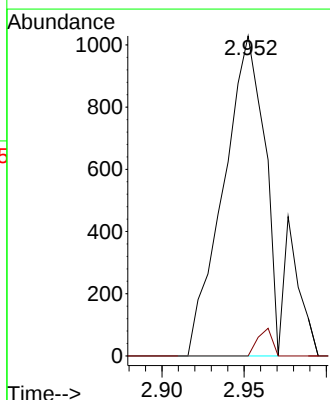
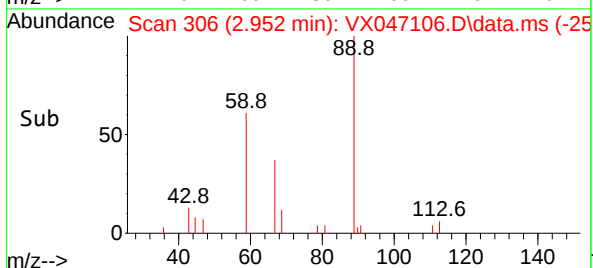
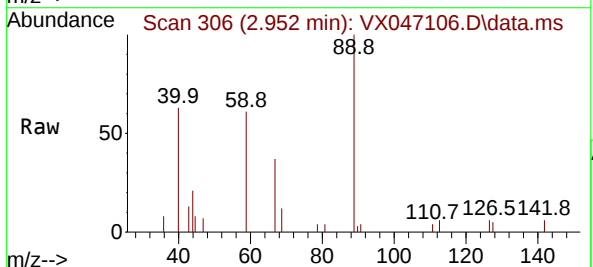


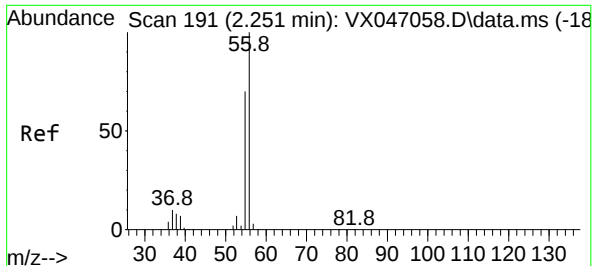
Tgt Ion:142 Resp: 4322
Ion Ratio Lower Upper
142 100
127 42.4 36.6 54.8
141 8.1 10.9 16.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion: 59 Resp: 1786
Ion Ratio Lower Upper
59 100
57 3.1 8.5 12.7#

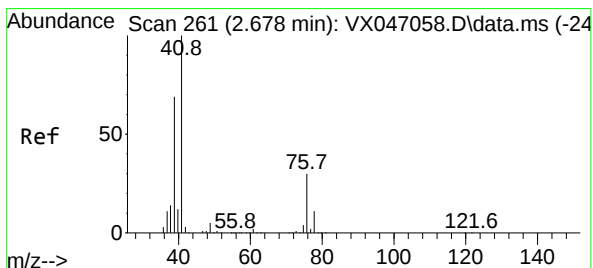
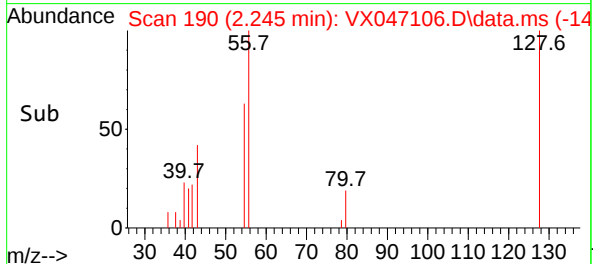
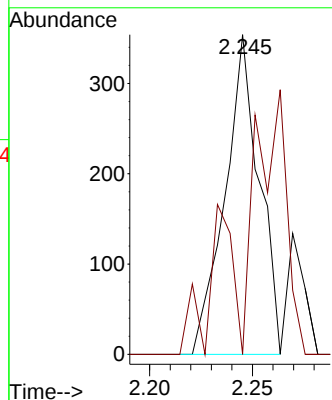
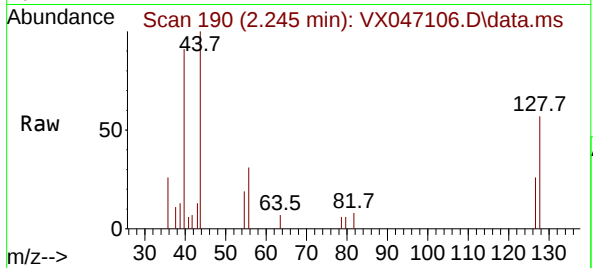




#13
Acrolein
Concen: 0.448 ug/l
RT: 2.245 min Scan# 191
Delta R.T. -0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

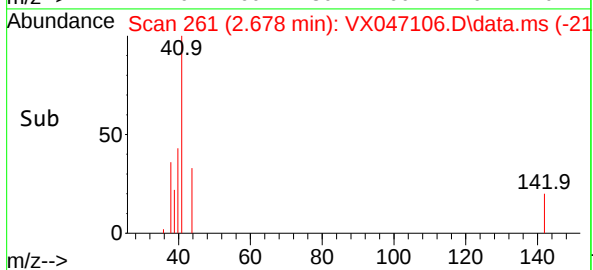
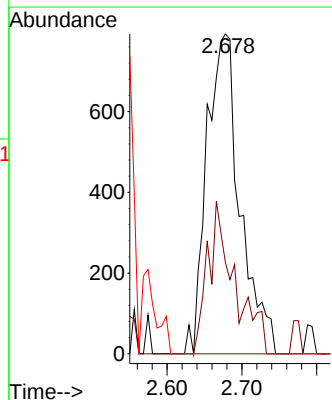
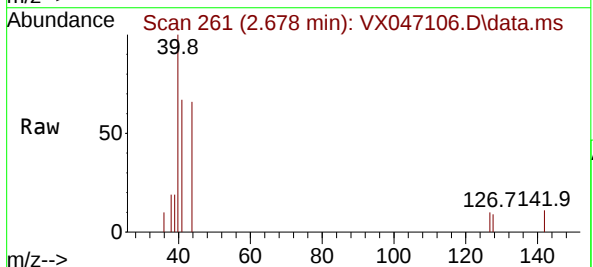
Instrument :
MSVOA_X
ClientSampleId :

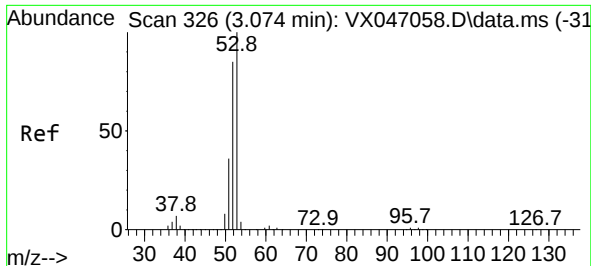
Tgt Ion: 56 Resp: 409
Ion Ratio Lower Upper
56 100
55 33.7 55.7 83.5#



#14
Allyl chloride
Concen: 0.318 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion: 41 Resp: 2462
Ion Ratio Lower Upper
41 100
39 31.9 52.6 78.8#
76 0.0 25.7 38.5#

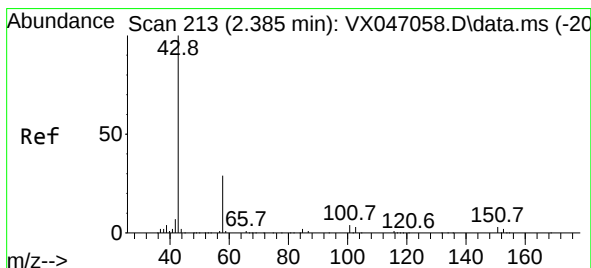
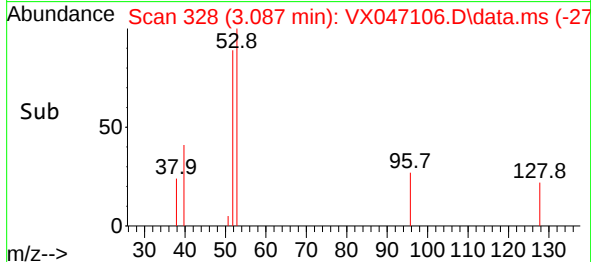
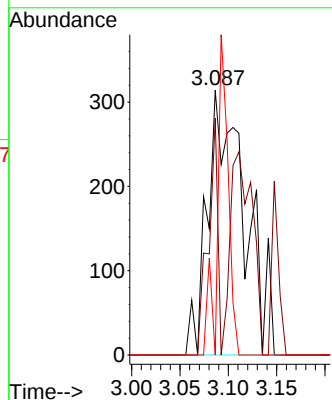
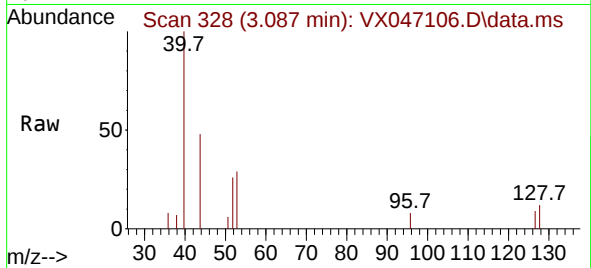




#15
Acrylonitrile
Concen: 0.418 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

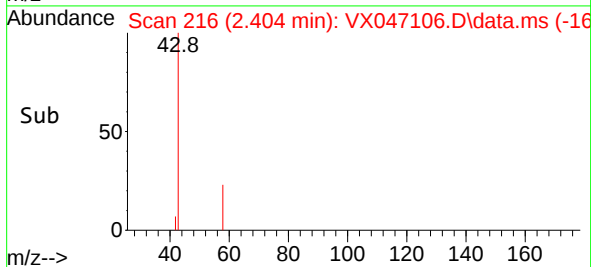
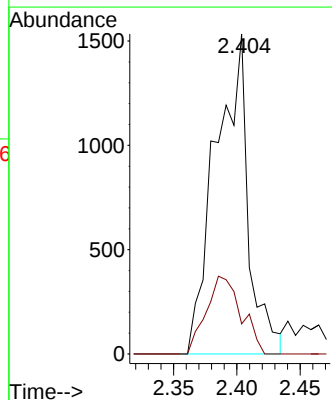
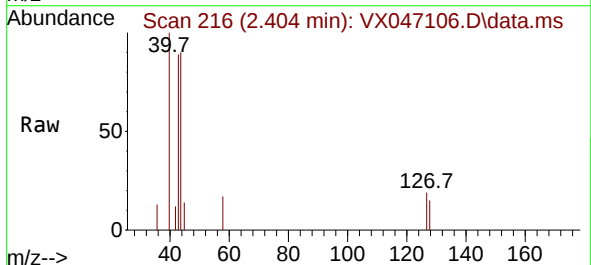
Instrument :
MSVOA_X
ClientSampleId :

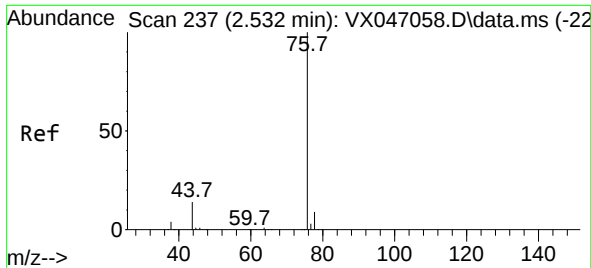
Tgt Ion: 53 Resp: 846
Ion Ratio Lower Upper
53 100
52 22.6 65.7 98.5#
51 35.1 28.8 43.2



#16
Acetone
Concen: 1.621 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 9.4 24.0 36.0#

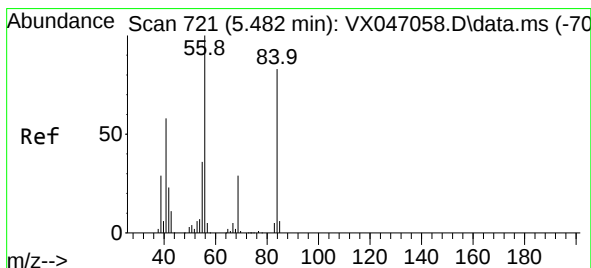
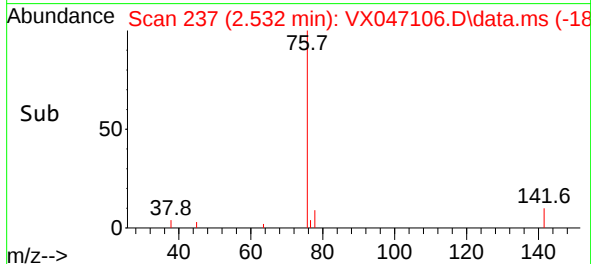
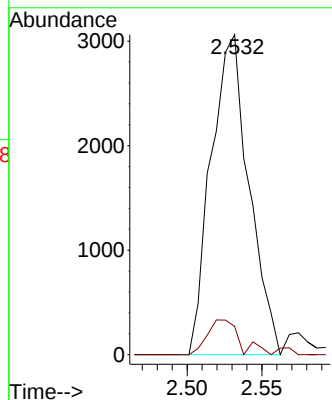
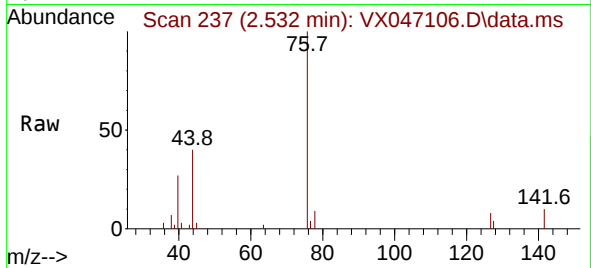




#17
Carbon Disulfide
Concen: 0.436 ug/l
RT: 2.532 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

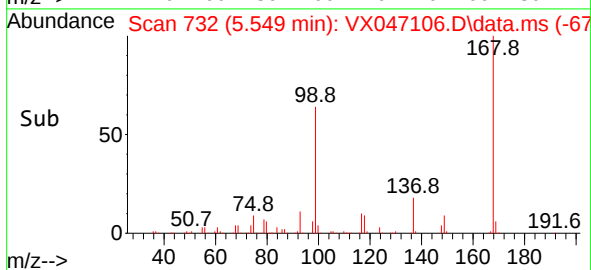
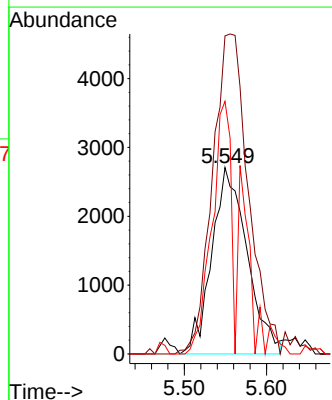
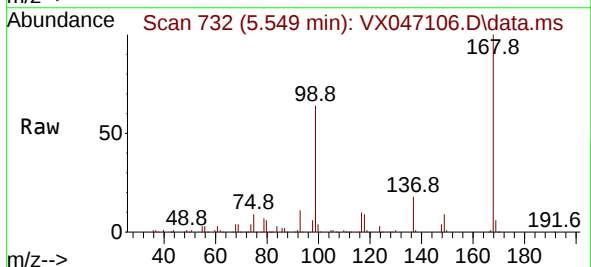
Instrument :
MSVOA_X
ClientSampleId :

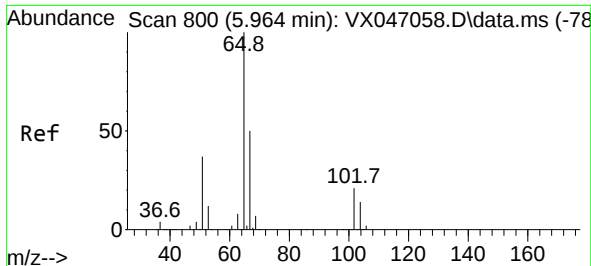
Tgt Ion: 76 Resp: 5404
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4



#31
Cyclohexane
Concen: 1.021 ug/l
RT: 5.549 min Scan# 732
Delta R.T. 0.067 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion: 56 Resp: 8102
Ion Ratio Lower Upper
56 100
69 170.6 23.3 34.9#
84 135.5 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 48.557 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX047106.D

Acq: 24 Jul 2025 10:13

Instrument :

MSVOA_X

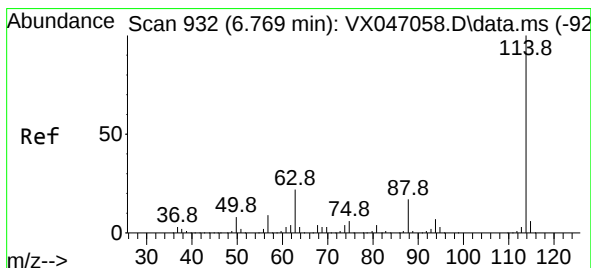
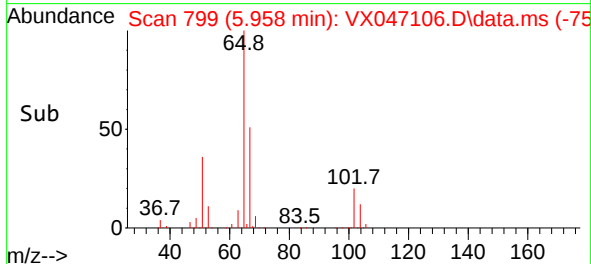
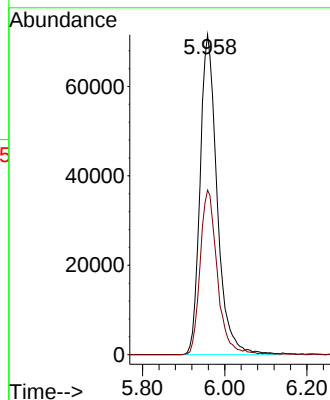
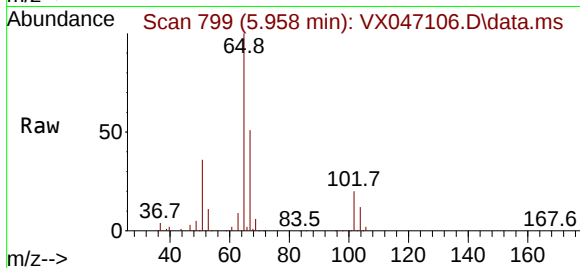
ClientSampleId :

Tgt Ion: 65 Resp: 206085

Ion Ratio Lower Upper

65 100

67 52.0 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX047106.D

Acq: 24 Jul 2025 10:13

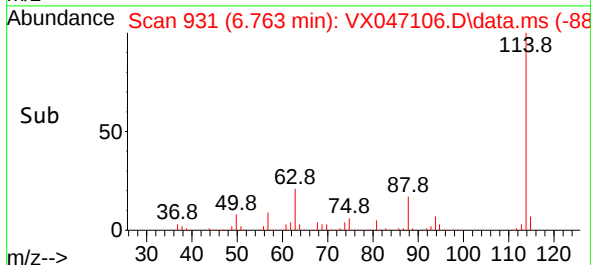
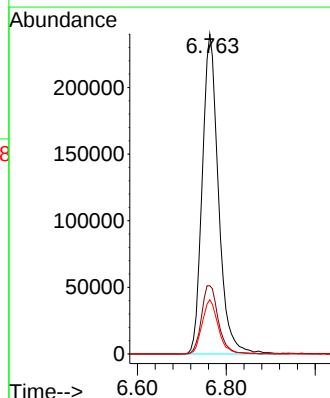
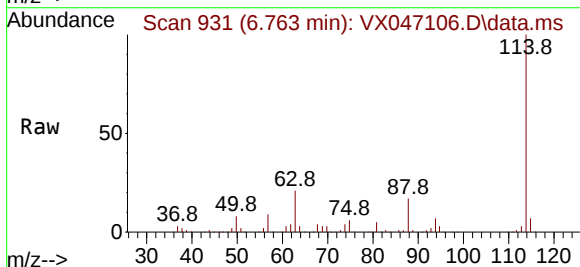
Tgt Ion: 114 Resp: 609396

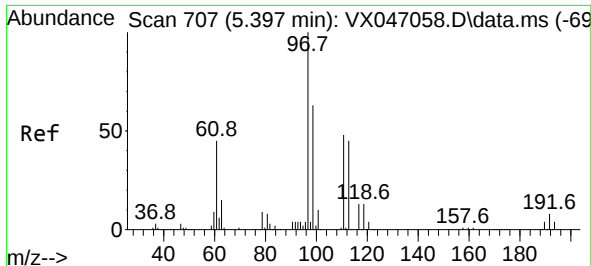
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

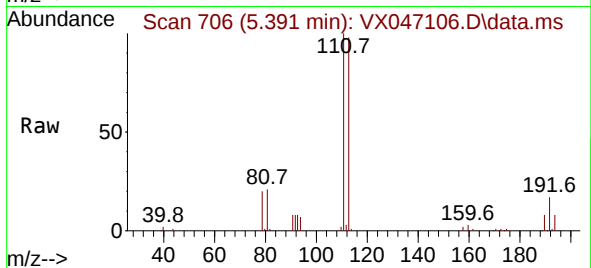
88 17.0 0.0 33.8



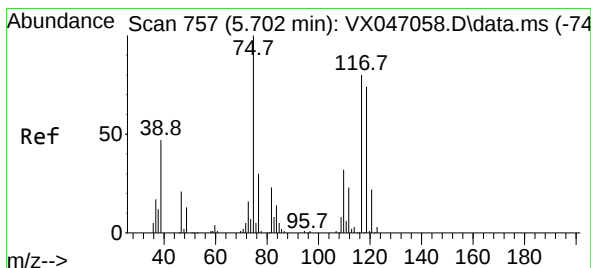
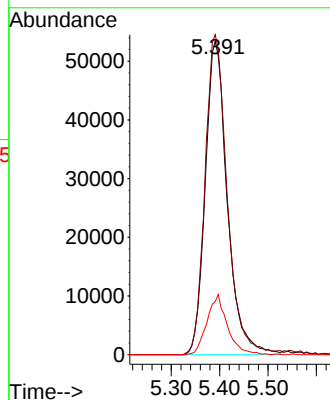
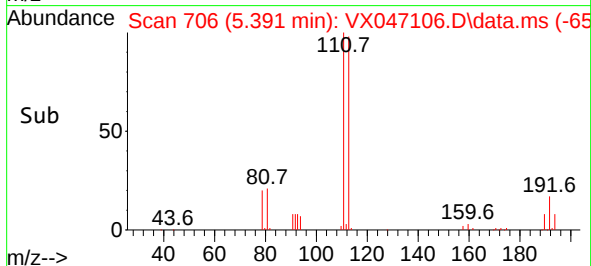


#35
Dibromofluoromethane
Concen: 44.895 ug/l
RT: 5.391 min Scan# 707
Delta R.T. -0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :

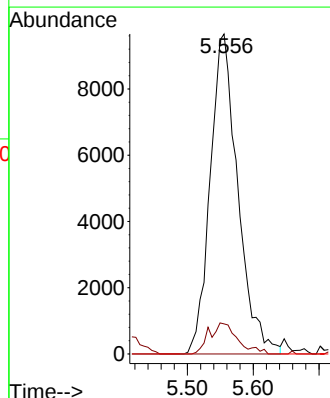
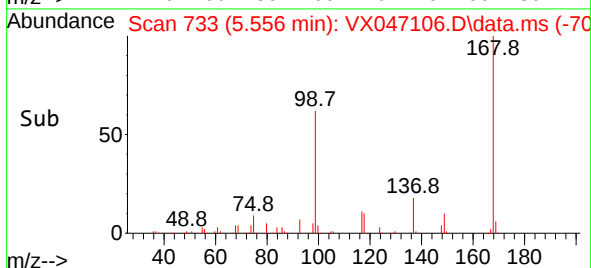
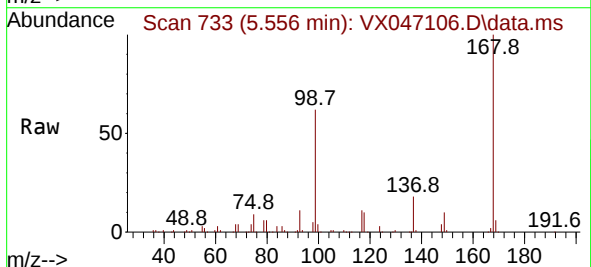


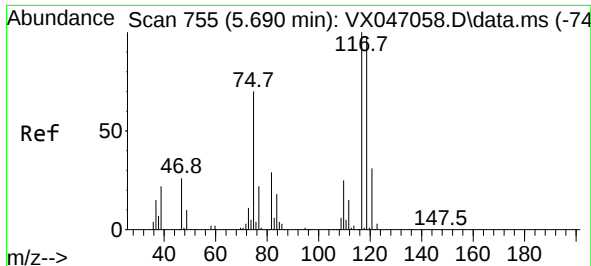
Tgt Ion:113 Resp: 168924
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 17.7 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.409 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

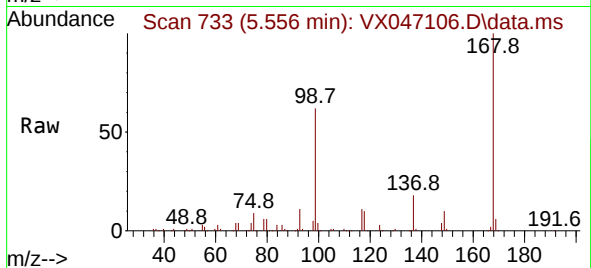
Tgt Ion: 75 Resp: 28281
Ion Ratio Lower Upper
75 100
110 10.0 17.2 51.5#
77 0.0 25.1 37.7#



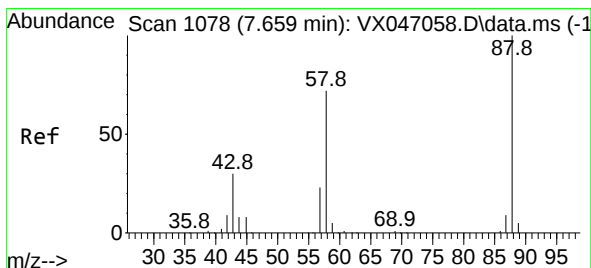
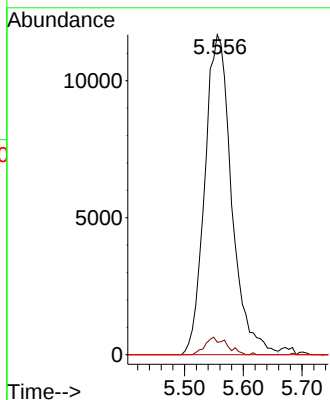
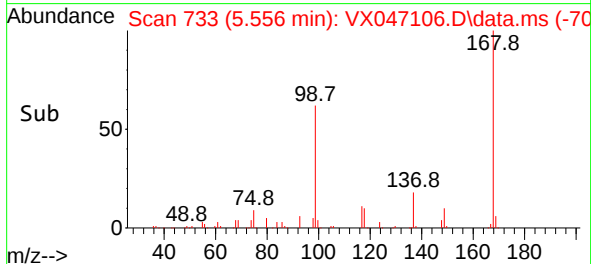


#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

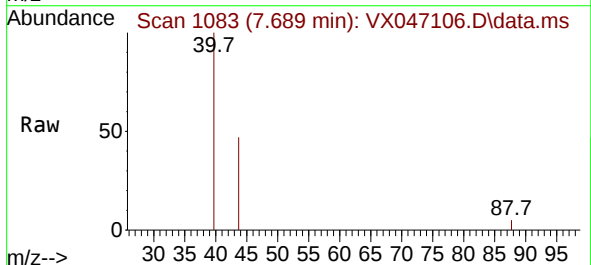
Instrument :
MSVOA_X
ClientSampleId :



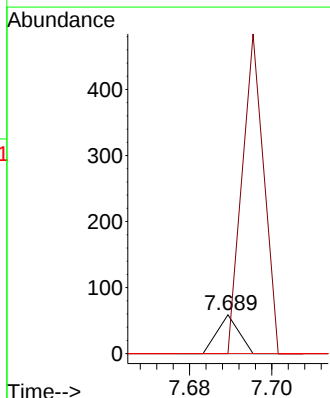
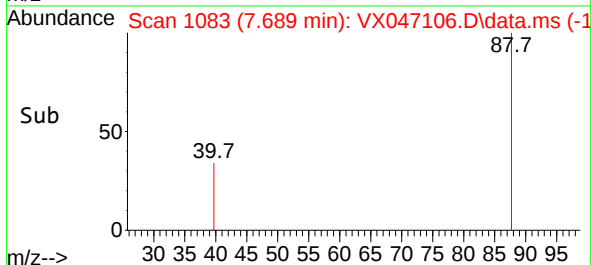
Tgt Ion:117 Resp: 37087
Ion Ratio Lower Upper
117 100
119 3.9 76.6 115.0#
121 0.0 24.4 36.6#

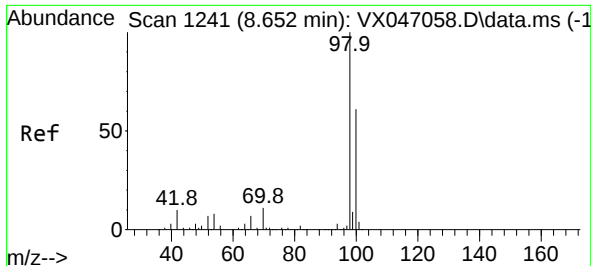


#49
1,4-Dioxane
Concen: 0.385 ug/l
RT: 7.689 min Scan# 1083
Delta R.T. 0.031 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13



Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 804.5 33.6 50.4#
58 0.0 58.8 88.2#

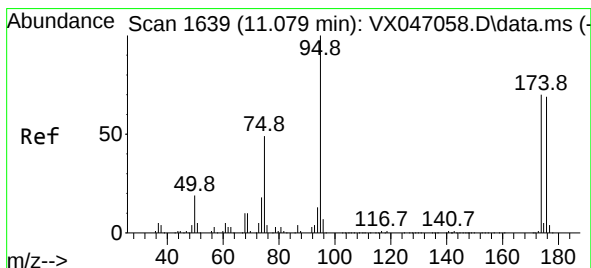
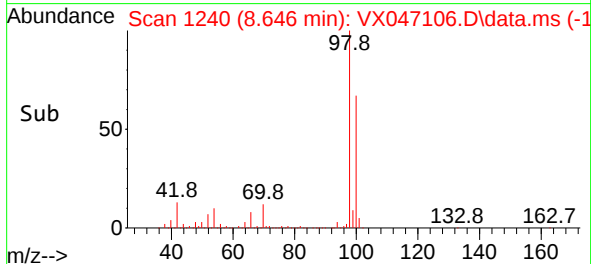
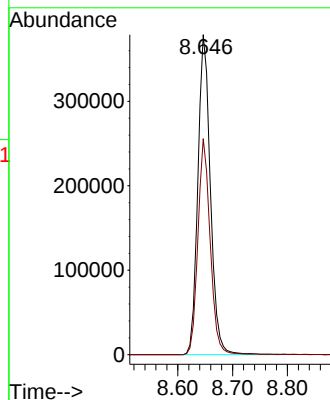
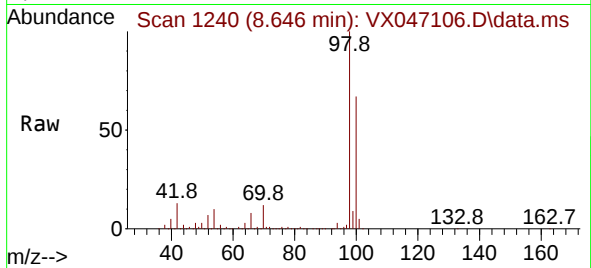




#50
Toluene-d8
Concen: 49.634 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

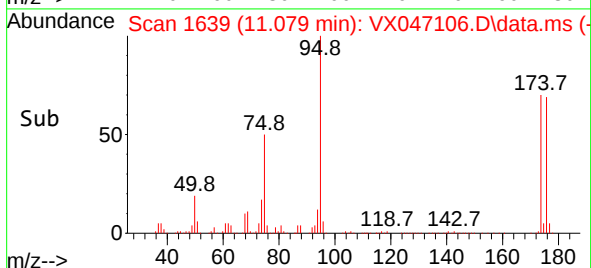
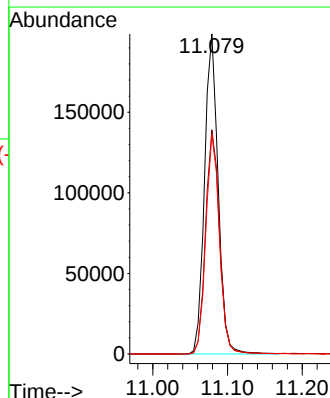
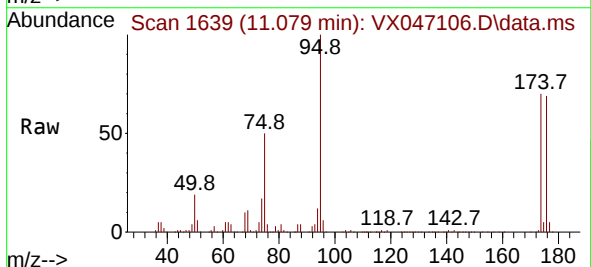
Instrument :
MSVOA_X
ClientSampleId :

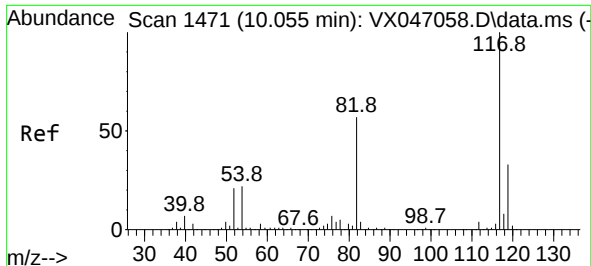
Tgt Ion: 98 Resp: 604794
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.795 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion: 95 Resp: 250976
Ion Ratio Lower Upper
95 100
174 72.1 0.0 144.6
176 68.9 0.0 139.6

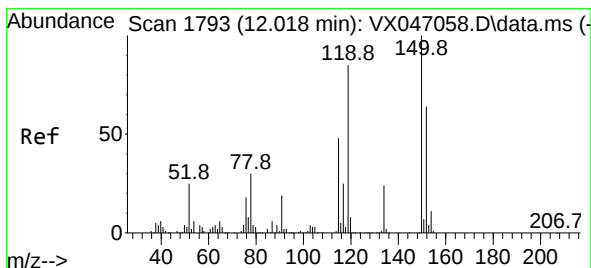
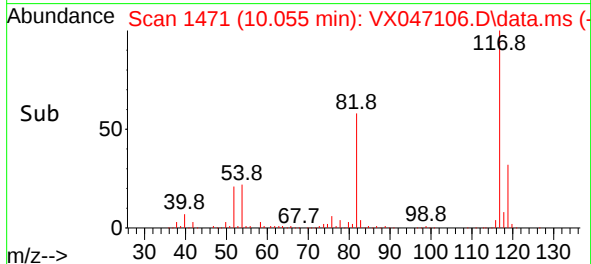
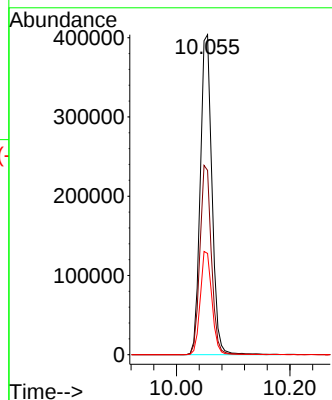
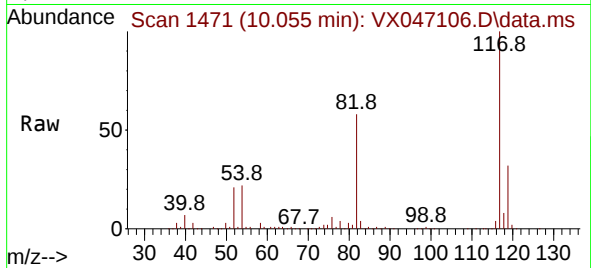




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

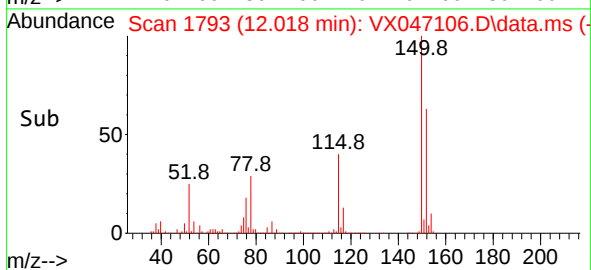
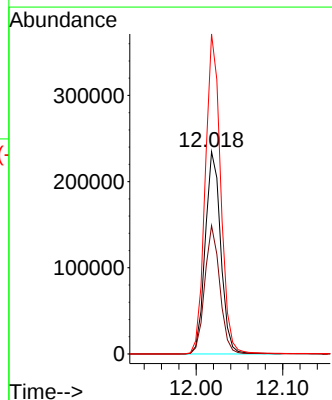
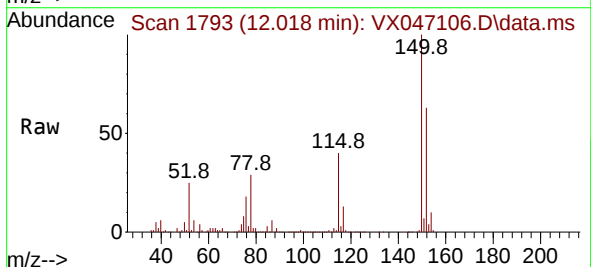
Instrument :
MSVOA_X
ClientSampleId :

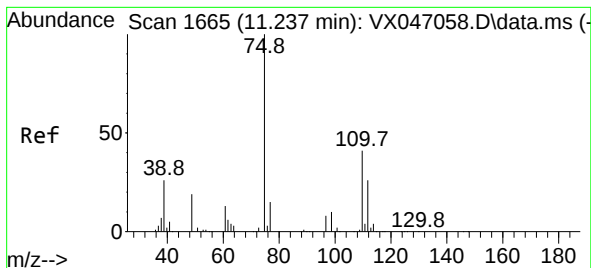
Tgt Ion:117 Resp: 574857
Ion Ratio Lower Upper
117 100
82 57.6 45.4 68.2
119 31.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion:152 Resp: 291142
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: 23.768 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX047106.D

Acq: 24 Jul 2025 10:13

Instrument :

MSVOA_X

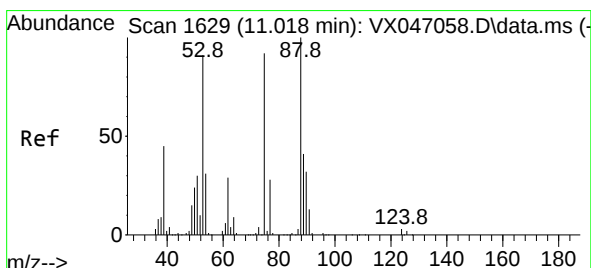
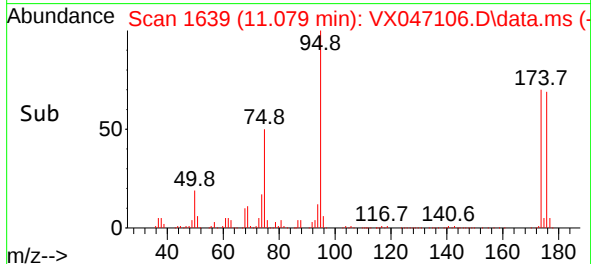
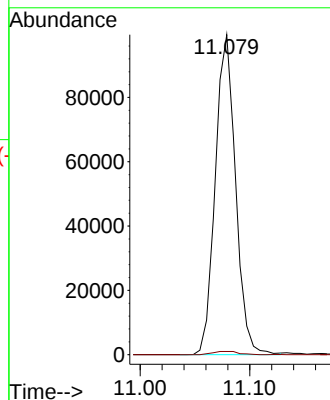
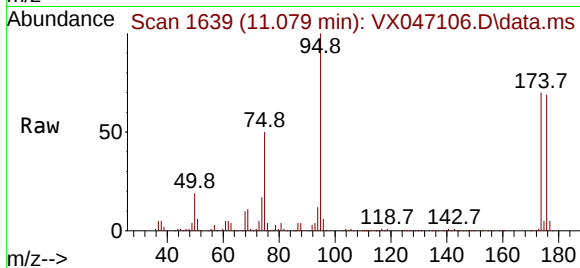
ClientSampleId :

Tgt Ion: 75 Resp: 128081

Ion Ratio Lower Upper

75 100

77 1.3 21.6 65.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.235 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX047106.D

Acq: 24 Jul 2025 10:13

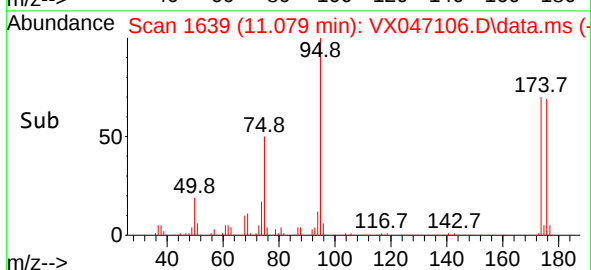
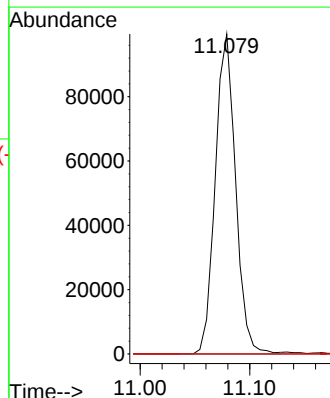
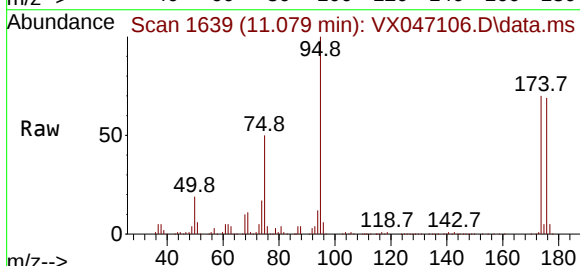
Tgt Ion: 75 Resp: 128081

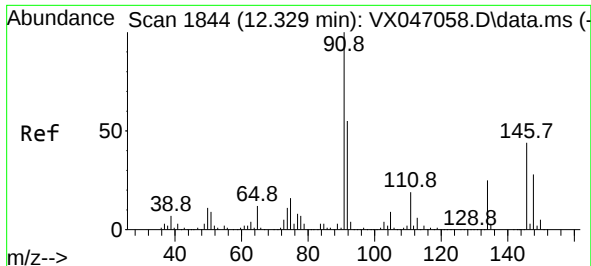
Ion Ratio Lower Upper

75 100

53 0.0 84.2 126.4#

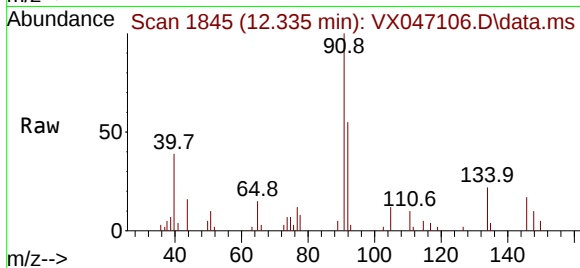
89 0.0 36.0 54.0#



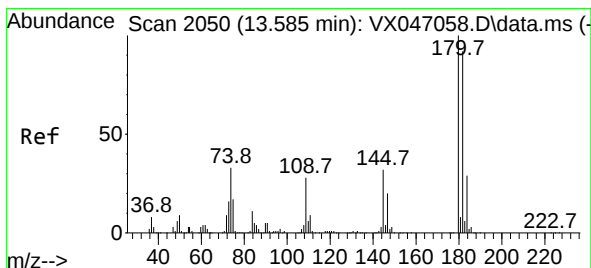
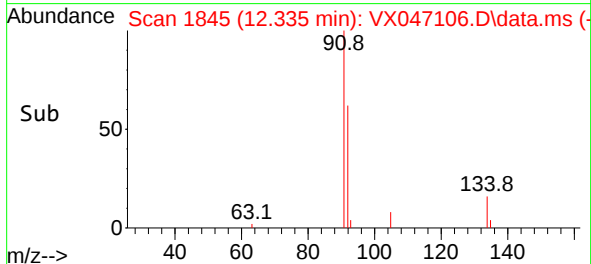
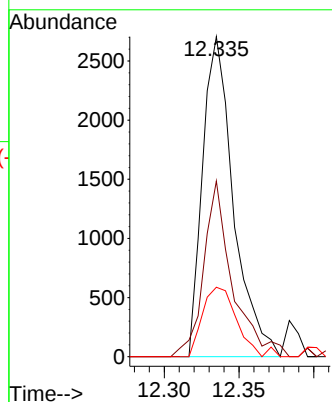


#89
n-Butylbenzene
Concen: 0.210 ug/l
RT: 12.335 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :

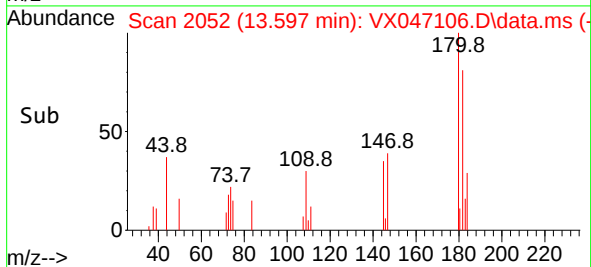
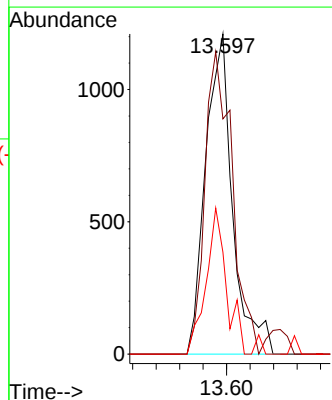
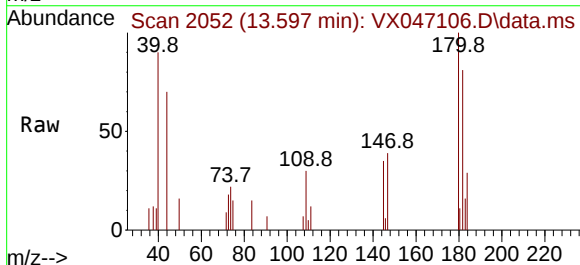


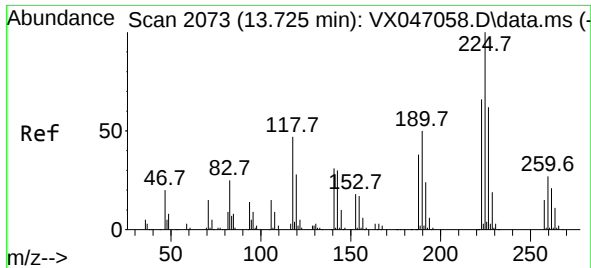
Tgt Ion: 91 Resp: 3880
Ion Ratio Lower Upper
91 100
92 51.0 27.5 82.5
134 24.3 12.8 38.3



#93
1,2,4-Trichlorobenzene
Concen: 0.292 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion: 180 Resp: 1931
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.8
145 34.5 16.4 49.1

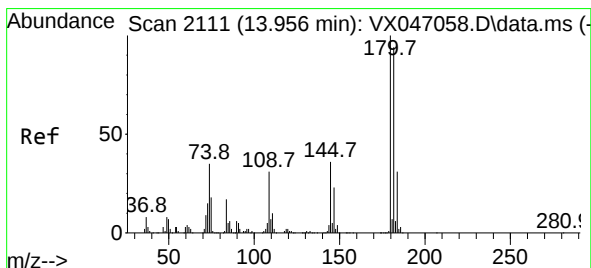
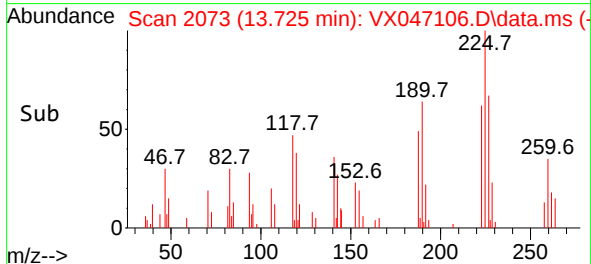
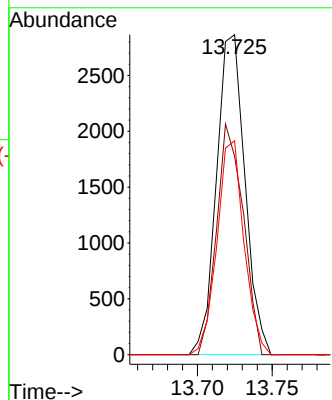
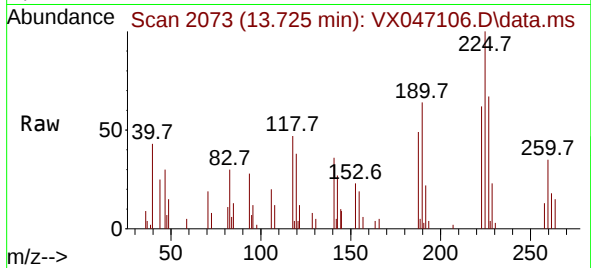




#94
Hexachlorobutadiene
Concen: 1.689 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 3796
Ion Ratio Lower Upper
225 100
223 67.3 31.6 95.0
227 63.5 32.9 98.6



#96
1,2,3-Trichlorobenzene
Concen: 0.303 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047106.D
Acq: 24 Jul 2025 10:13

Tgt Ion:180 Resp: 1931
Ion Ratio Lower Upper
180 100
182 94.0 46.9 140.6
145 32.0 17.3 52.0

