

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047429.D
 Acq On : 20 Aug 2025 10:07
 Operator : JC/MD
 Sample : VX0820WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBL01

Quant Time: Aug 21 01:26:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

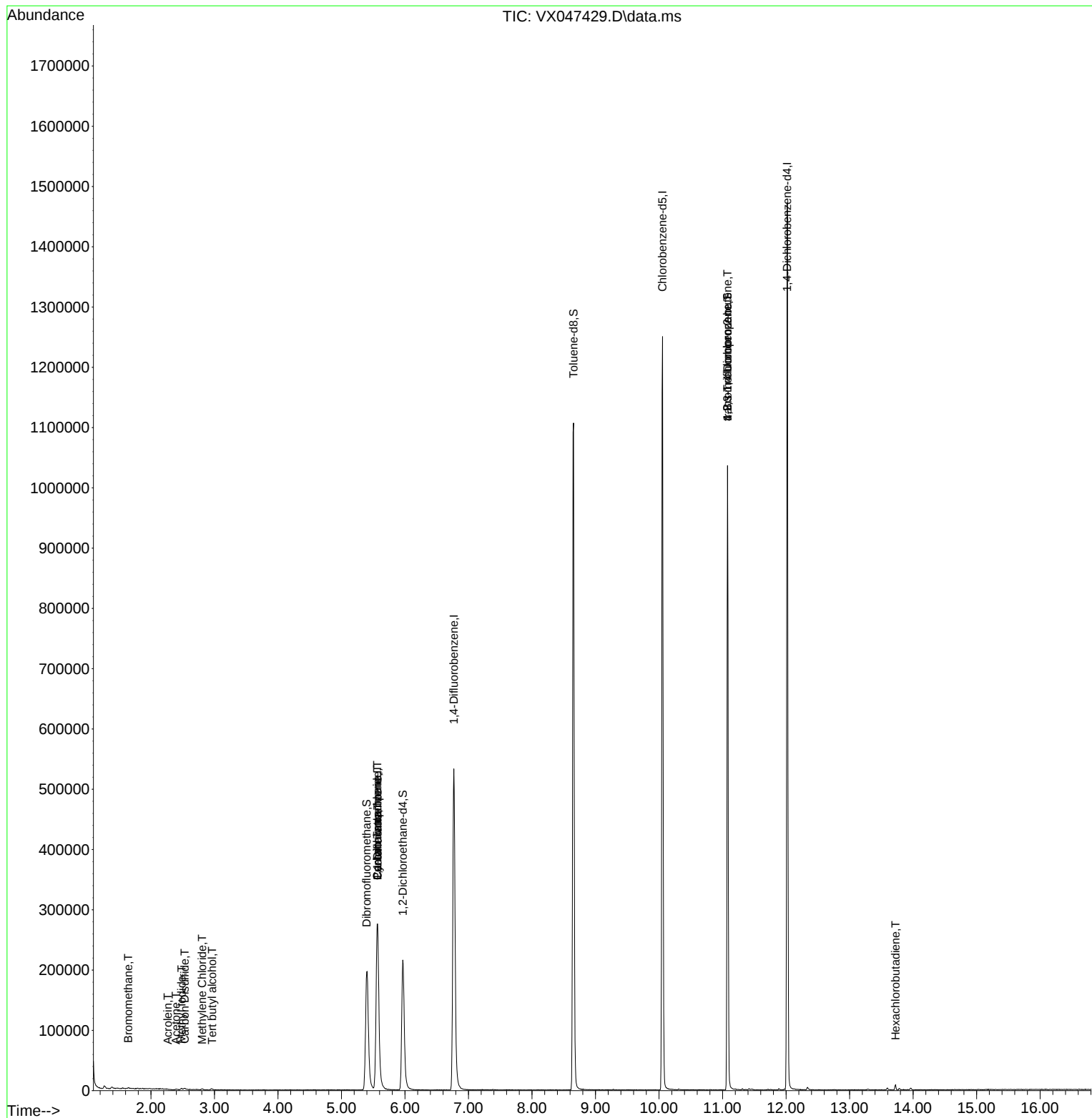
Internal Standards						
1) Pentafluorobenzene	5.568	168	280589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	574542	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	560929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	279679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	227227	57.864	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.720%			
35) Dibromofluoromethane	5.397	113	191362	51.320	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.653	98	676059	50.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.079	95	274800	55.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.740%			
Target Compounds						Qvalue
5) Bromomethane	1.642	94	805	0.493	ug/l #	70
10) Methyl Iodide	2.483	142	3299	0.556	ug/l	95
11) Tert butyl alcohol	2.965	59	283	0.828	ug/l #	72
13) Acrolein	2.264	56	194	0.269	ug/l #	82
16) Acetone	2.392	43	1259	0.853	ug/l #	68
17) Carbon Disulfide	2.532	76	2886	0.271	ug/l	99
20) Methylene Chloride	2.806	84	921	0.236	ug/l #	84
31) Cyclohexane	5.568	56	5603	0.887	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	23640	4.016	ug/l #	50
38) Carbon Tetrachloride	5.562	117	29487	4.584	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	141285	27.543	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	141285	108.757	ug/l #	7
94) Hexachlorobutadiene	13.725	225	1263	0.546	ug/l	98

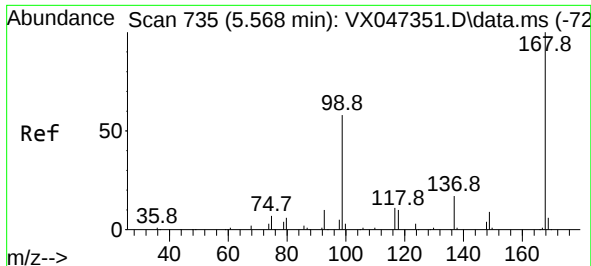
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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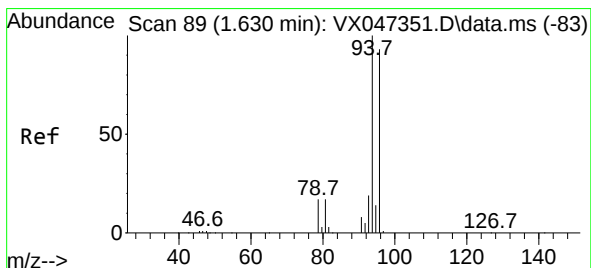
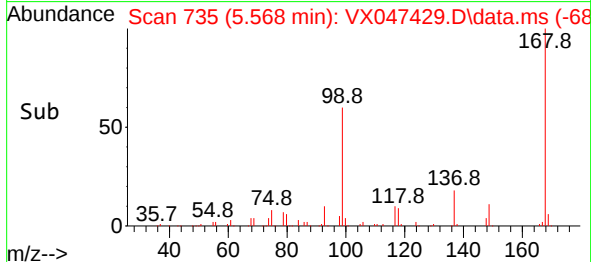
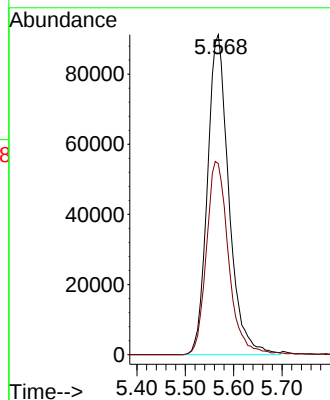
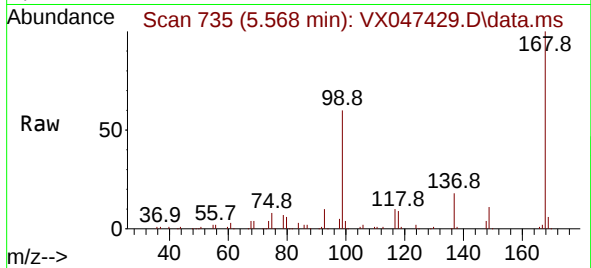




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

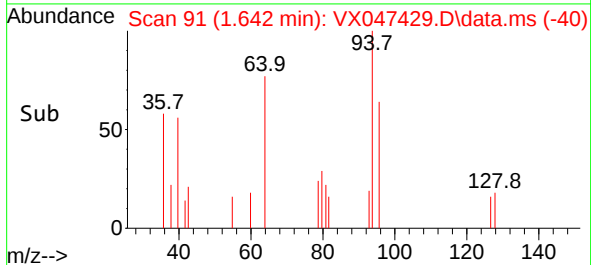
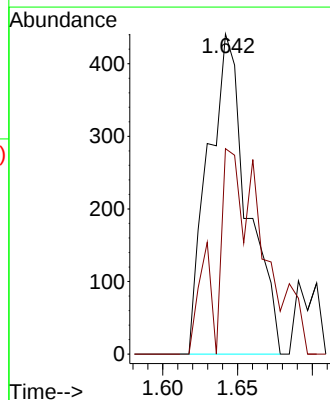
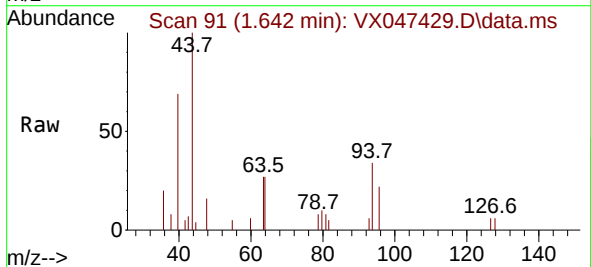
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

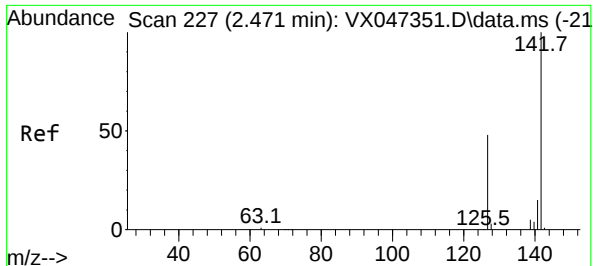
Tgt Ion:168 Resp: 280589
Ion Ratio Lower Upper
168 100
99 59.7 47.9 71.9



#5
Bromomethane
Concen: 0.493 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

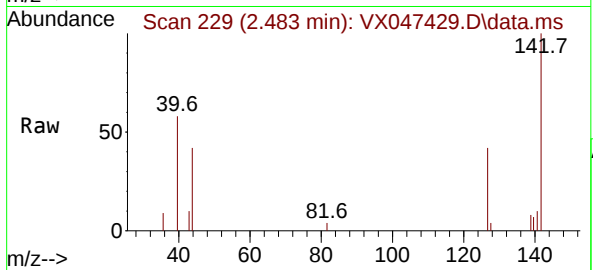
Tgt Ion: 94 Resp: 805
Ion Ratio Lower Upper
94 100
96 64.2 74.7 112.1#



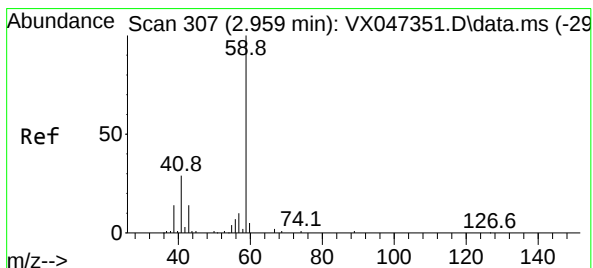
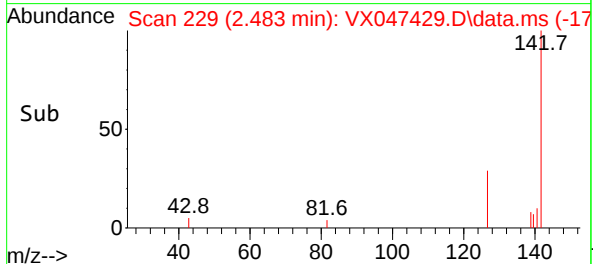
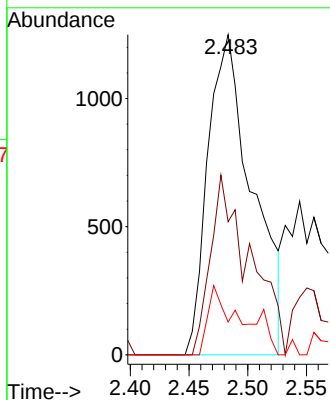


#10
Methyl Iodide
Concen: 0.556 ug/l
RT: 2.483 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

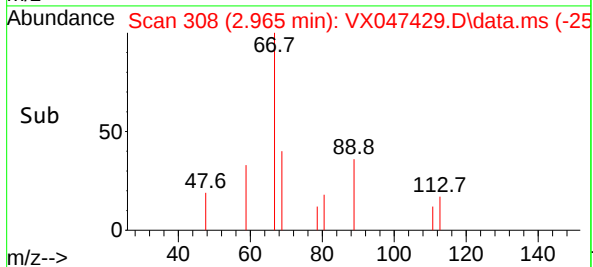
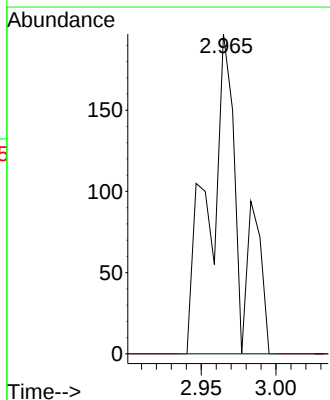
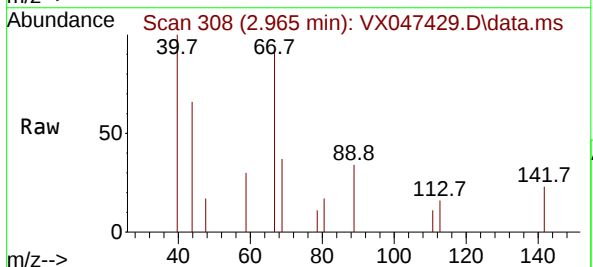


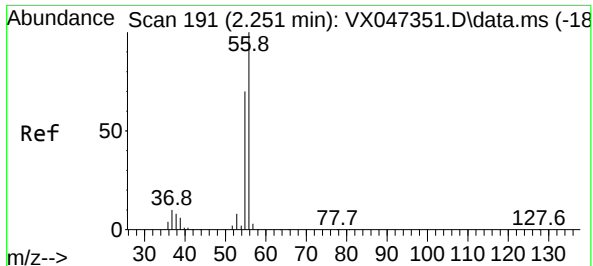
Tgt Ion:142 Resp: 3299
Ion Ratio Lower Upper
142 100
127 49.5 36.1 54.1
141 13.9 11.1 16.7



#11
Tert butyl alcohol
Concen: 0.828 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 59 Resp: 283
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

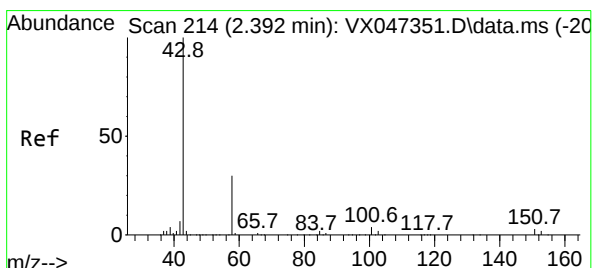
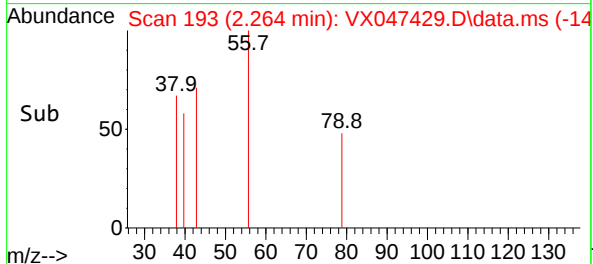
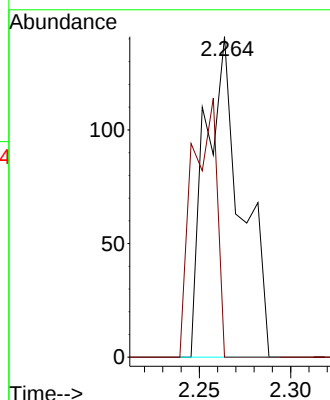
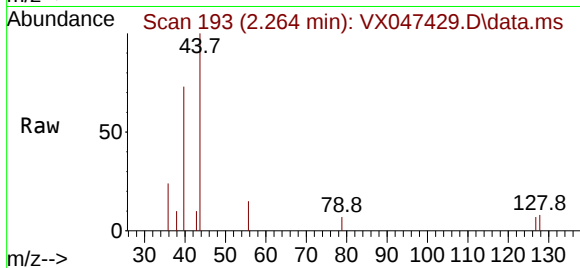




#13
Acrolein
Concen: 0.269 ug/l
RT: 2.264 min Scan# 193
Delta R.T. 0.012 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

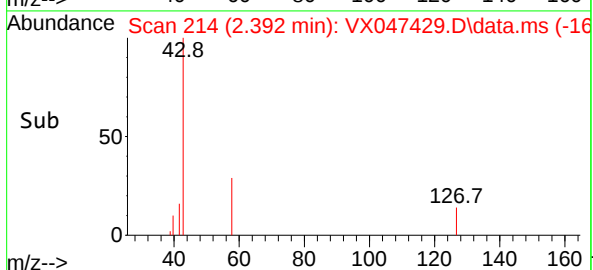
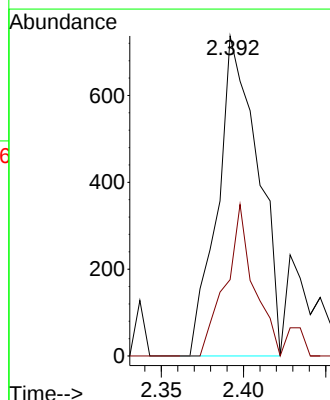
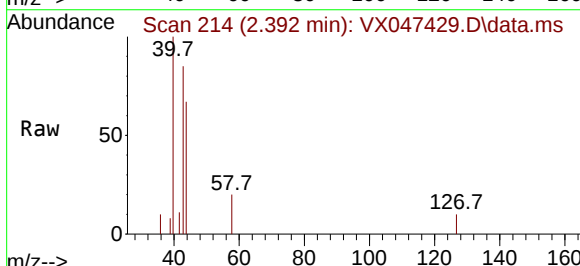
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

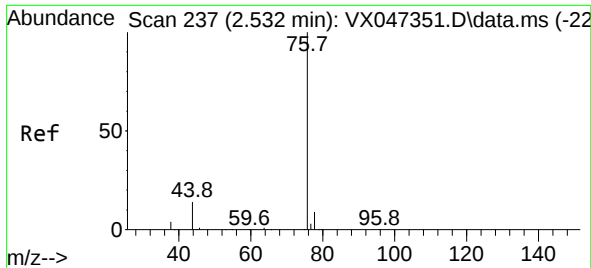
Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 54.6 55.5 83.3#



#16
Acetone
Concen: 0.853 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
58 13.4 24.8 37.2#





#17

Carbon Disulfide

Concen: 0.271 ug/l

RT: 2.532 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

Instrument :

MSVOA_X

ClientSampleId :

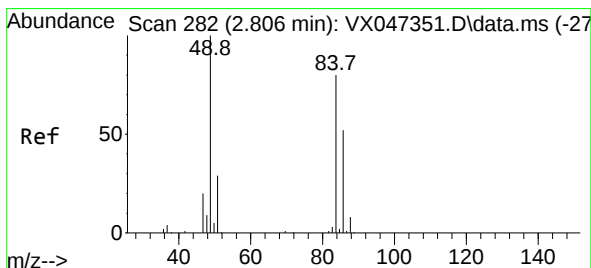
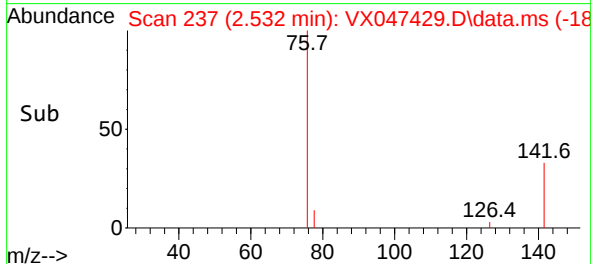
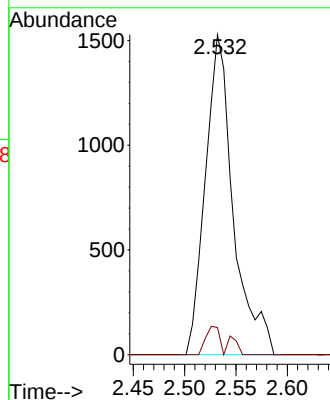
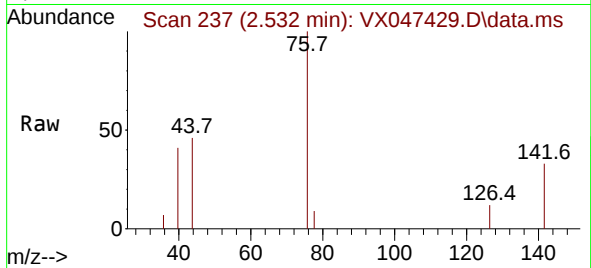
VX0820WBL01

Tgt Ion: 76 Resp: 2886

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



#20

Methylene Chloride

Concen: 0.236 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.000 min

Lab File: VX047429.D

Acq: 20 Aug 2025 10:07

Tgt Ion: 84 Resp: 921

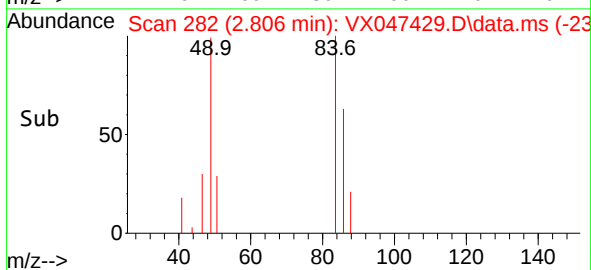
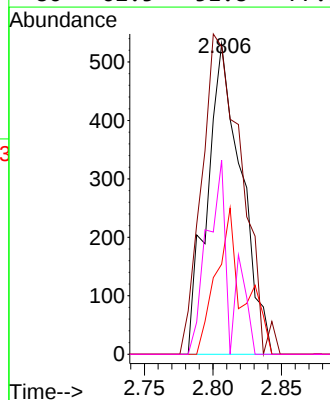
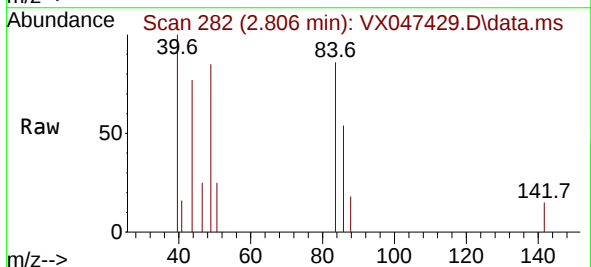
Ion Ratio Lower Upper

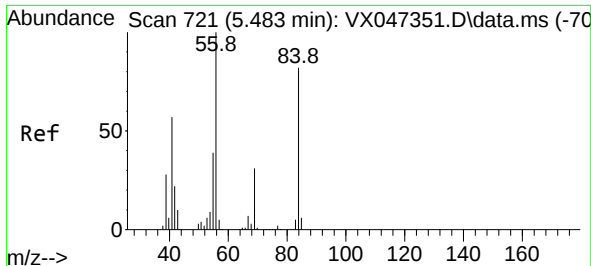
84 100

49 99.1 100.1 150.1#

51 29.0 29.5 44.3#

86 62.5 51.8 77.8

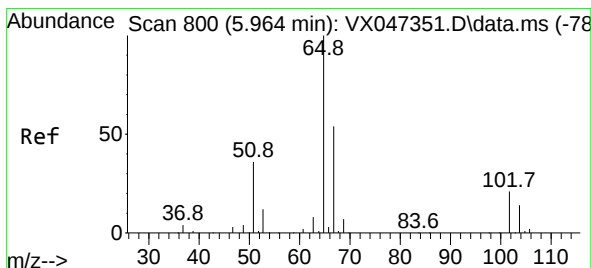
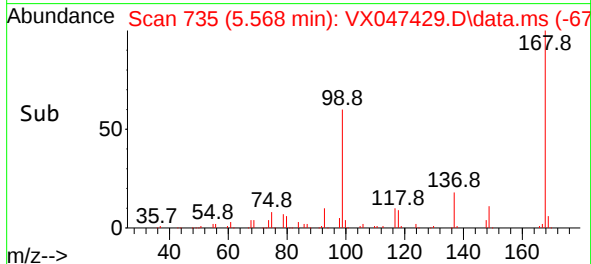
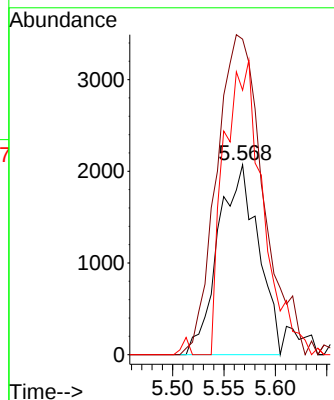
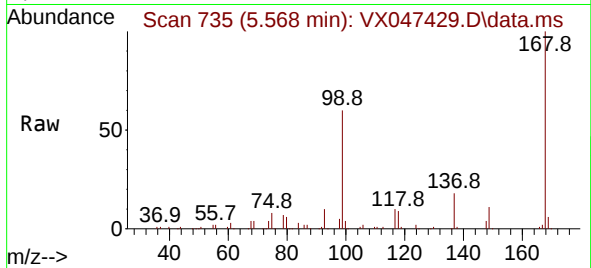




#31
Cyclohexane
Concen: 0.887 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

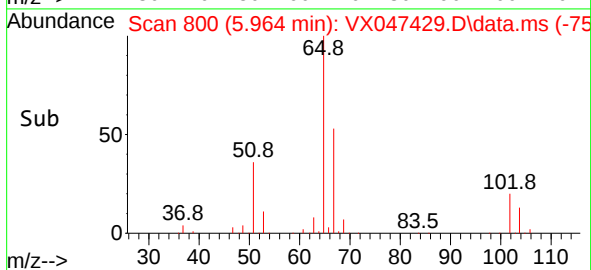
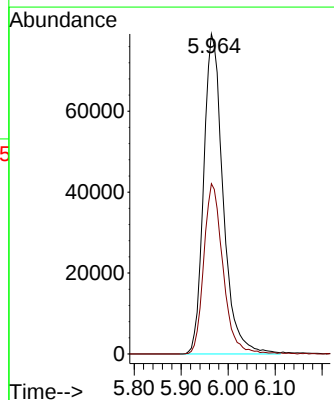
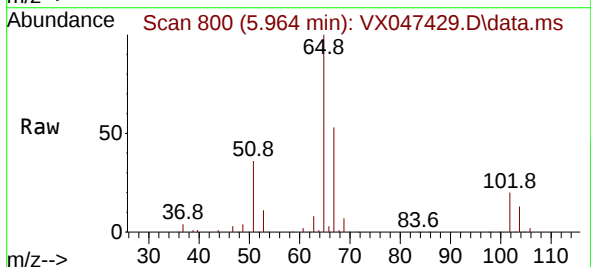
Instrument :
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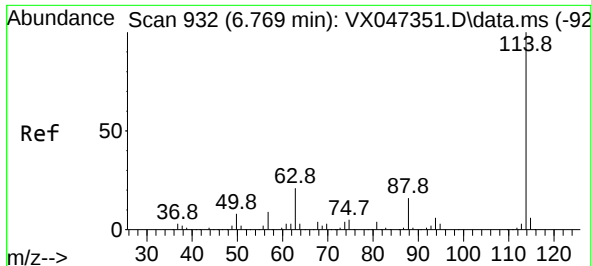
Tgt Ion: 56 Resp: 5603
Ion Ratio Lower Upper
56 100
69 166.2 24.3 36.5#
84 136.8 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 57.864 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 65 Resp: 227227
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.0

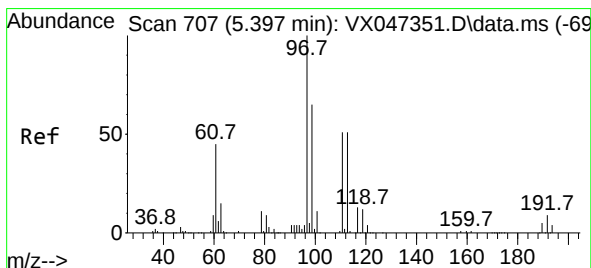
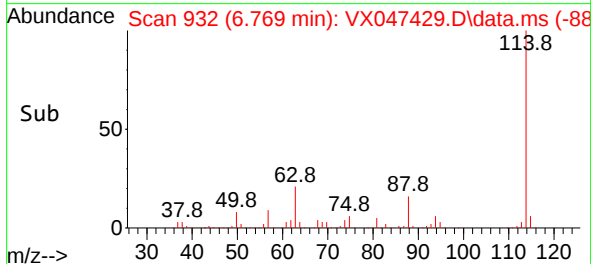
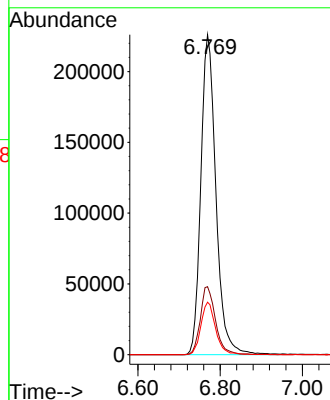
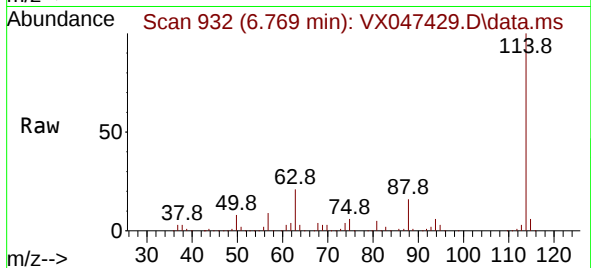




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

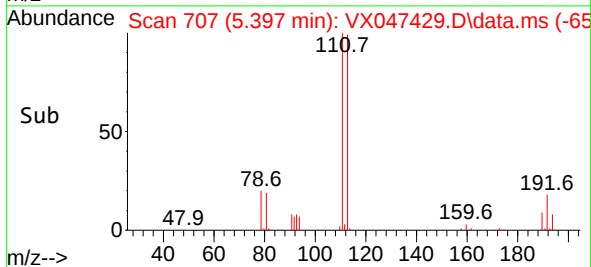
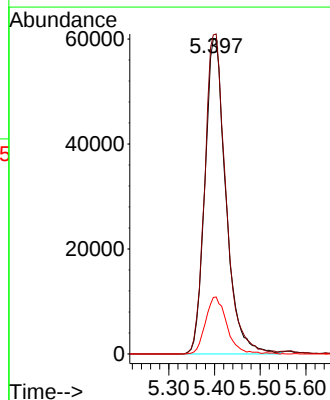
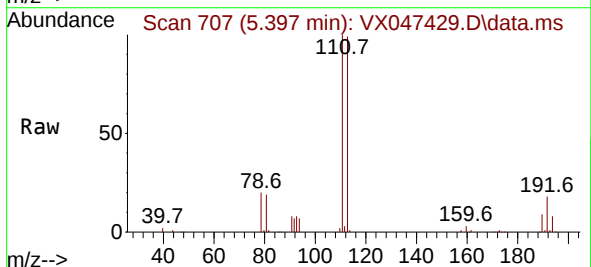
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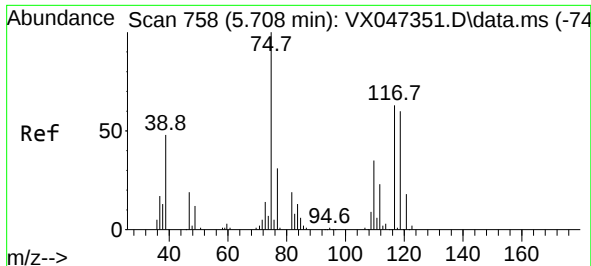
Tgt Ion:114 Resp: 574542
Ion Ratio Lower Upper
114 100
63 21.2 0.0 42.4
88 16.4 0.0 33.0



#35
Dibromofluoromethane
Concen: 51.320 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion:113 Resp: 191362
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.2
192 18.3 14.1 21.1

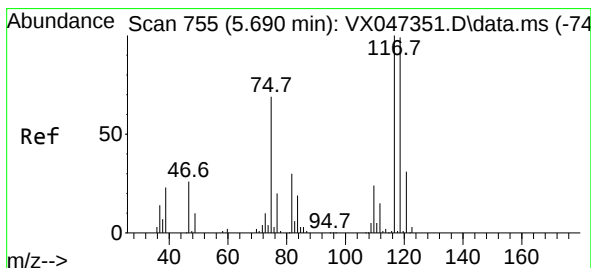
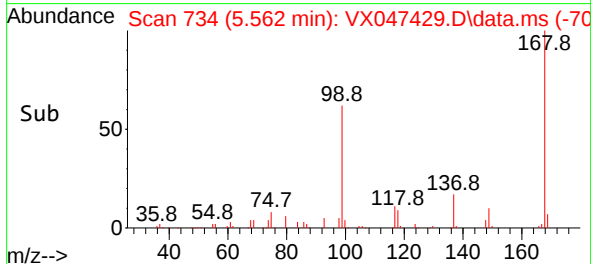
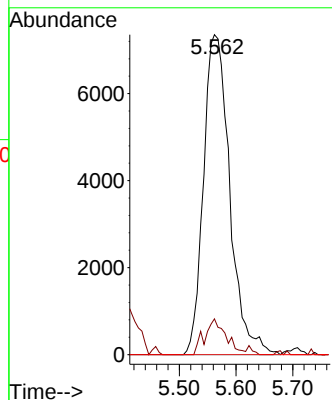
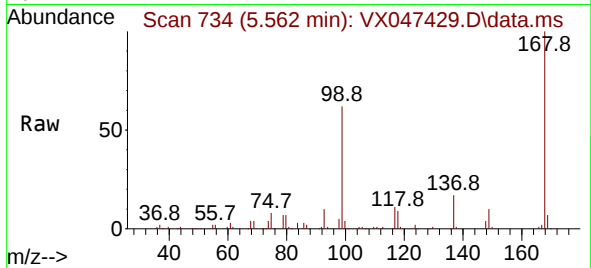




#36
1,1-Dichloropropene
Concen: 4.016 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.146 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

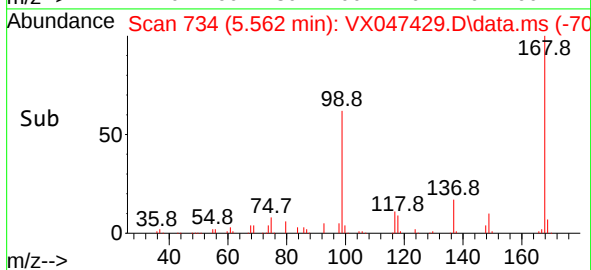
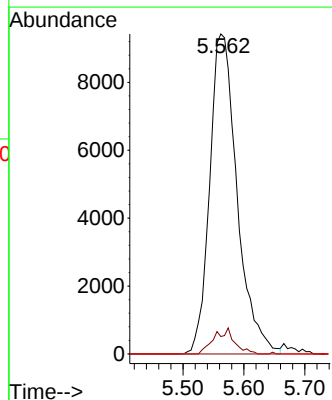
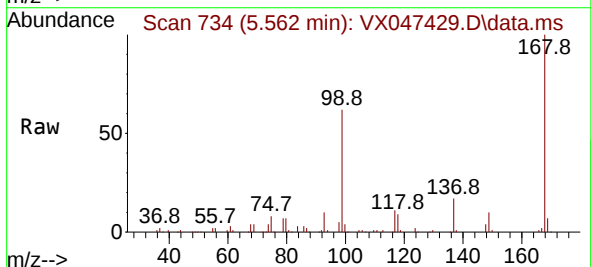
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

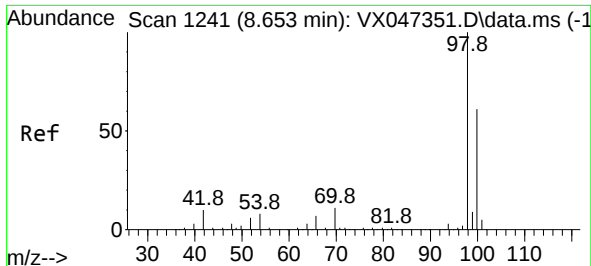
Tgt Ion: 75 Resp: 23640
Ion Ratio Lower Upper
75 100
110 9.1 17.4 52.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.584 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 117 Resp: 29487
Ion Ratio Lower Upper
117 100
119 5.5 78.5 117.7#
121 0.0 24.7 37.1#

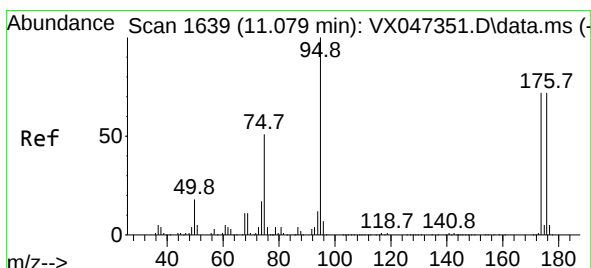
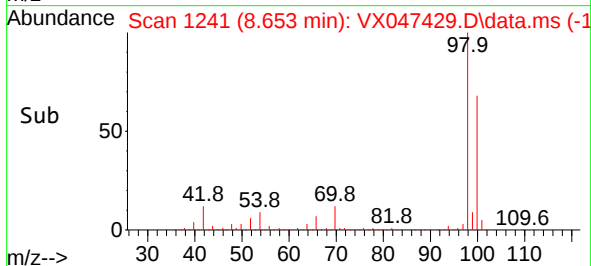
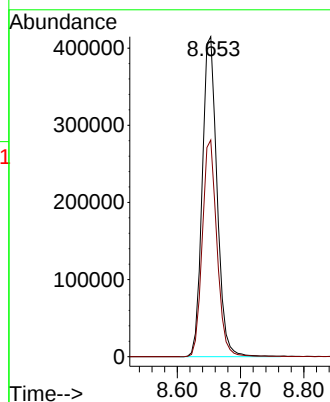
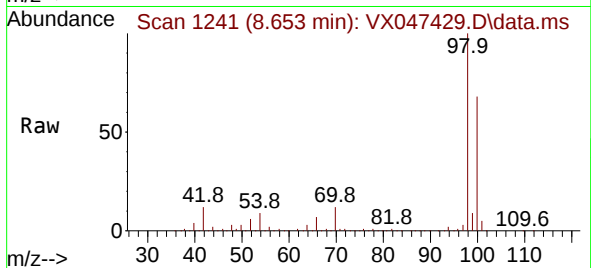




#50
Toluene-d8
Concen: 50.725 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

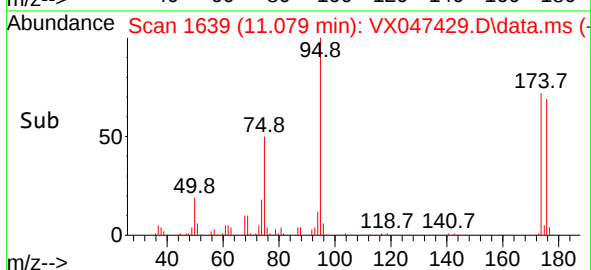
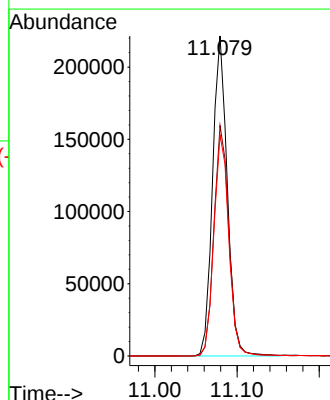
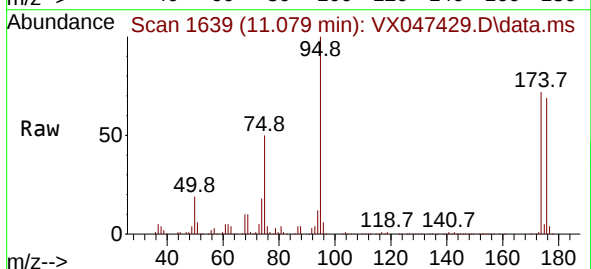
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

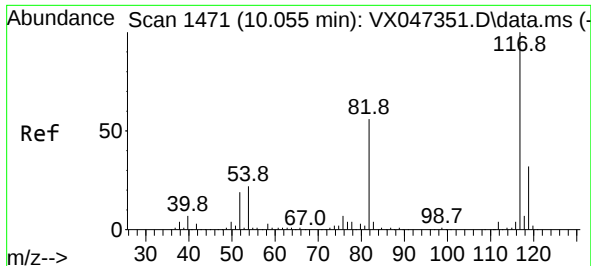
Tgt Ion: 98 Resp: 676059
Ion Ratio Lower Upper
98 100
100 67.0 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 55.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion: 95 Resp: 274800
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.0
176 70.4 0.0 145.4

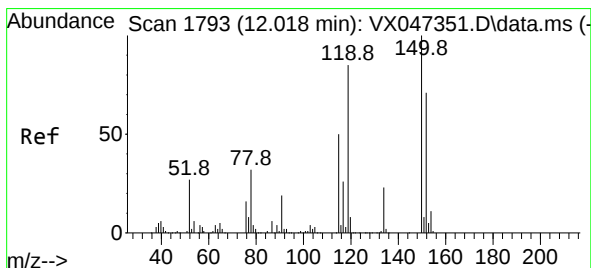
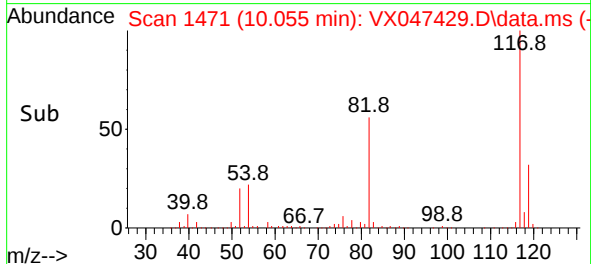
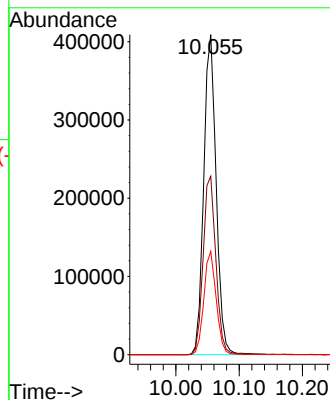
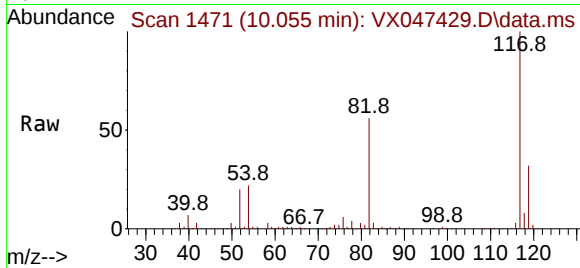




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

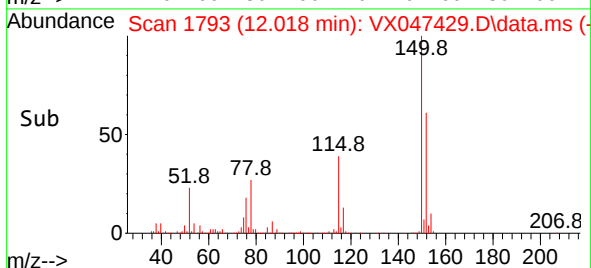
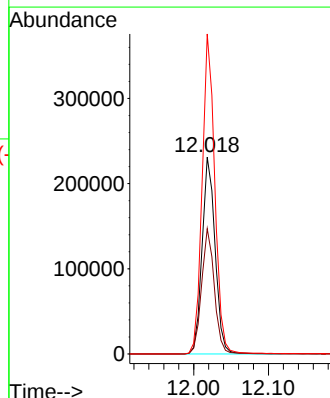
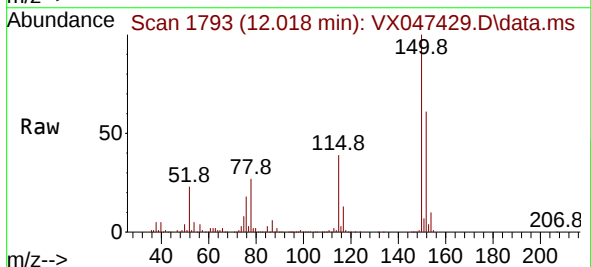
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

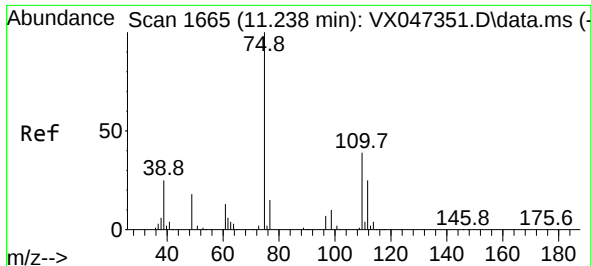
Tgt Ion:117 Resp: 560929
Ion Ratio Lower Upper
117 100
82 55.8 45.0 67.4
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

Tgt Ion:152 Resp: 279679
Ion Ratio Lower Upper
152 100
115 62.5 44.6 133.8
150 157.8 0.0 349.8

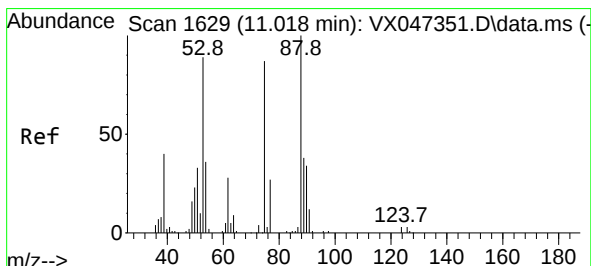
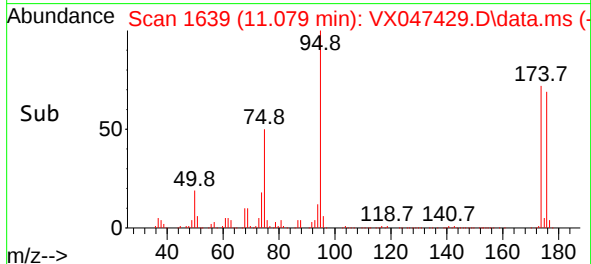
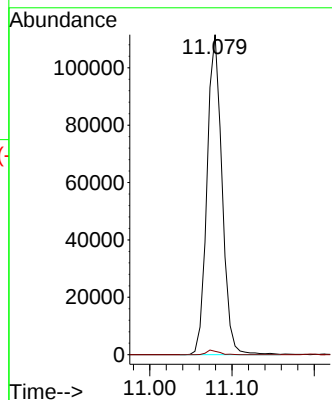
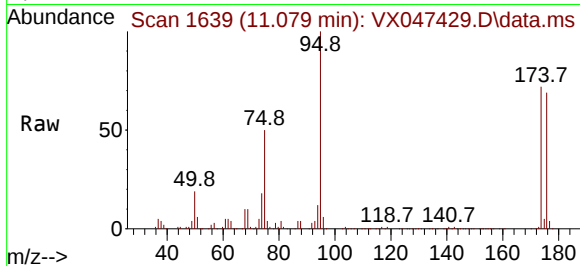




#76
1,2,3-Trichloropropane
Concen: 27.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

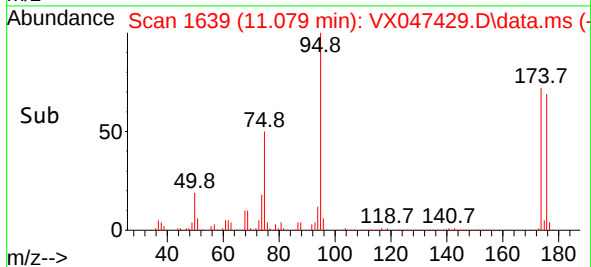
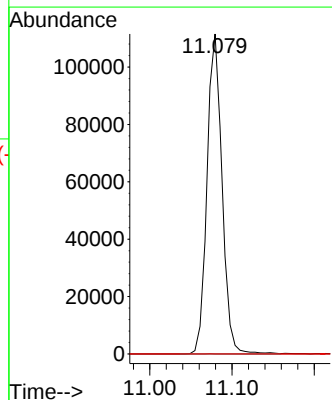
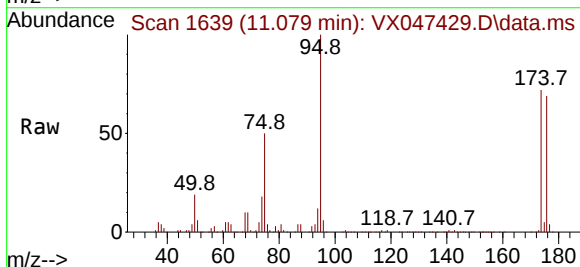
Instrument :
MSVOA_X
ClientSampleId :
VX0820WBL01

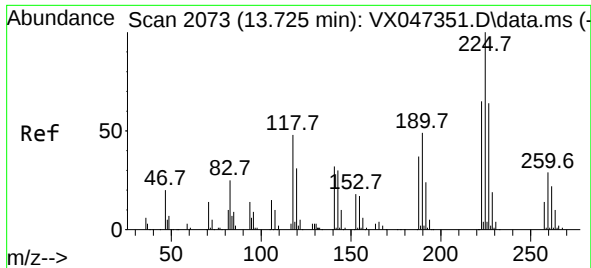
Tgt Ion: 75 Resp: 141285
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.757 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX047429.D
Acq: 20 Aug 2025 10:07

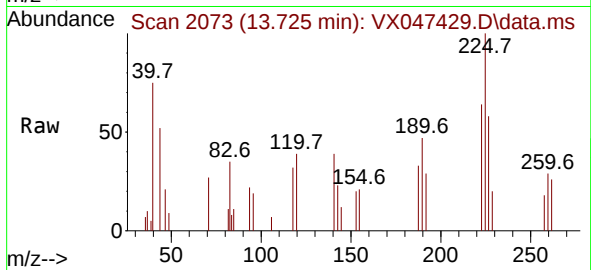
Tgt Ion: 75 Resp: 141285
Ion Ratio Lower Upper
75 100
53 0.0 85.2 127.8#
89 0.0 36.7 55.1#





#94
 Hexachlorobutadiene
 Concen: 0.546 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX047429.D
 Acq: 20 Aug 2025 10:07

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0820WBL01



Tgt Ion:	225	Resp:	1263
Ion	Ratio	Lower	Upper
225	100		
223	61.6	32.2	96.6
227	63.5	31.6	95.0

