

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
 Data File : VX046351.D
 Acq On : 23 May 2025 17:36
 Operator : JC/MD
 Sample : Q2114-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAW1

Quant Time: May 23 23:05:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

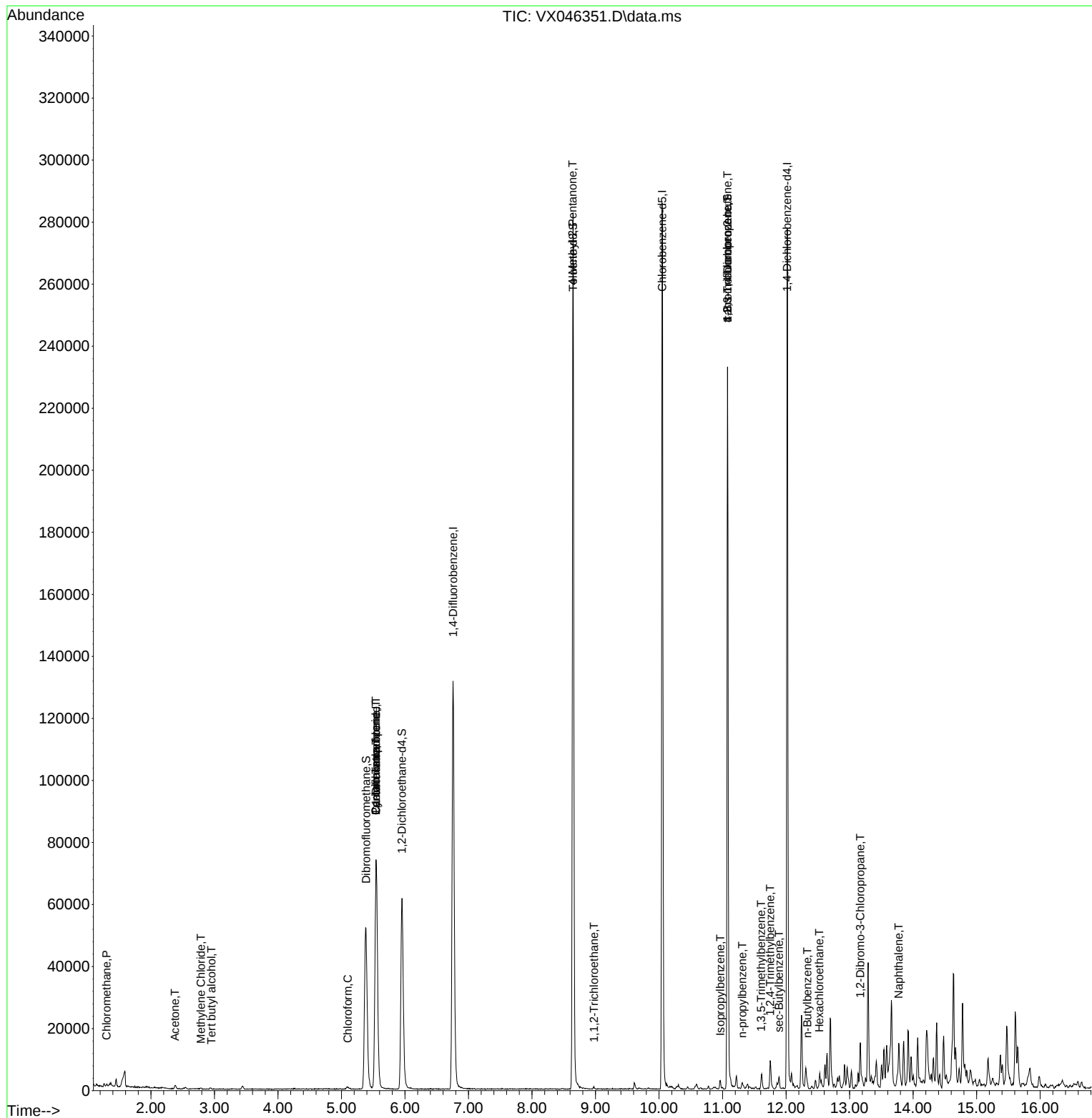
Internal Standards						
1) Pentafluorobenzene	5.544	168	62014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123132	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	116379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62990	54.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.960%	
35) Dibromofluoromethane	5.385	113	46311	52.230	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.460%	
50) Toluene-d8	8.647	98	156324	50.938	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.880%	
62) 4-Bromofluorobenzene	11.079	95	60431	51.335	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	642	0.697	ug/l	97
11) Tert butyl alcohol	2.953	59	38	0.234	ug/l #	72
16) Acetone	2.380	43	1447	3.122	ug/l #	84
20) Methylene Chloride	2.788	84	179	0.202	ug/l #	65
30) Chloroform	5.099	83	845	0.536	ug/l #	66
31) Cyclohexane	5.544	56	2058	1.494	ug/l #	39
36) 1,1-Dichloropropene	5.544	75	6252	5.248	ug/l #	52
38) Carbon Tetrachloride	5.544	117	7523	5.620	ug/l #	18
51) 4-Methyl-2-Pentanone	8.641	43	891	0.598	ug/l #	1
55) 1,1,2-Trichloroethane	8.976	97	206	0.244	ug/l #	15
73) Isopropylbenzene	10.963	105	1672	0.421	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	34879	28.410	ug/l #	36
78) n-propylbenzene	11.311	91	1556	0.337	ug/l	91
80) 1,3,5-Trimethylbenzene	11.610	105	1771	0.534	ug/l	80
81) trans-1,4-Dichloro-2-b...	11.079	75	34879	92.493	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.750	105	3941	1.173	ug/l	94
85) sec-Butylbenzene	11.890	105	2024	0.493	ug/l #	78
89) n-Butylbenzene	12.335	91	978	0.329	ug/l #	63
90) Hexachloroethane	12.524	117	322	0.540	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	13.170	75	79	0.256	ug/l #	10
95) Naphthalene	13.774	128	8769	2.466	ug/l #	93

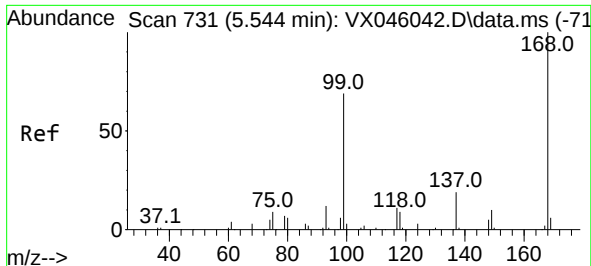
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

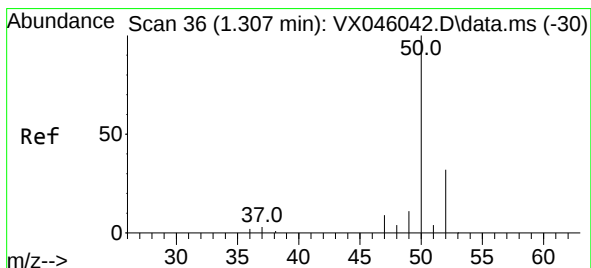
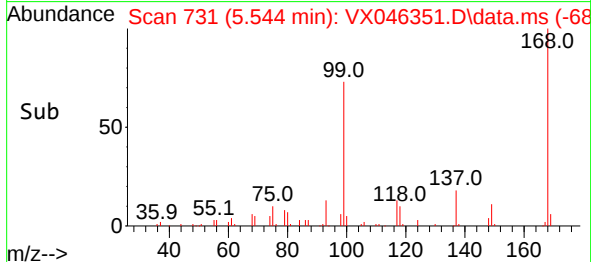
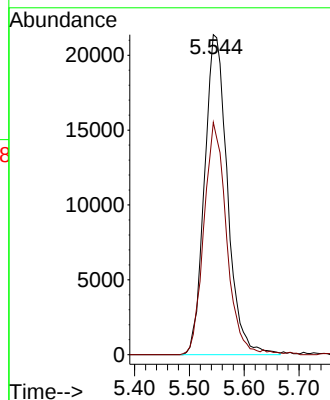
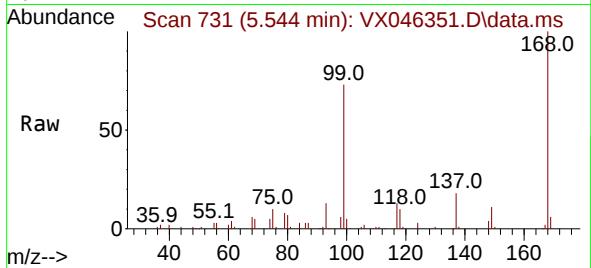




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

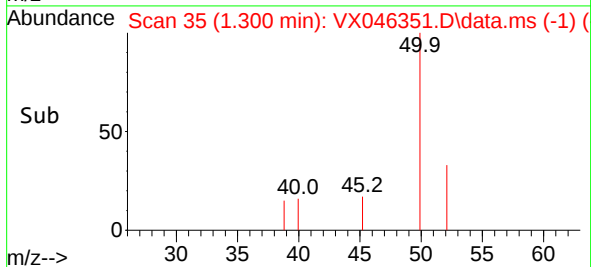
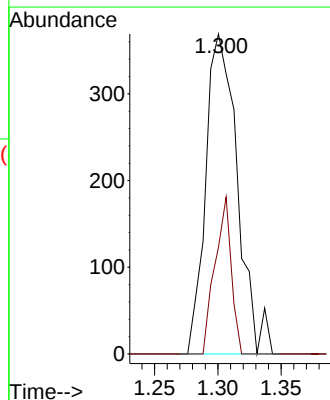
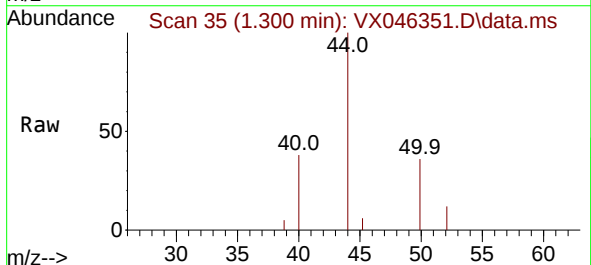
Instrument :
MSVOA_X
ClientSampleId :
GAW1

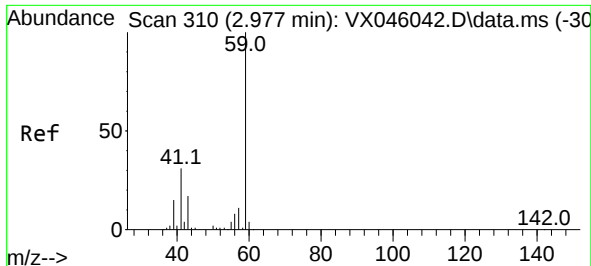
Tgt Ion:168 Resp: 62014
Ion Ratio Lower Upper
168 100
99 72.6 54.9 82.3



#3
Chloromethane
Concen: 0.697 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 50 Resp: 642
Ion Ratio Lower Upper
50 100
52 33.3 25.4 38.2

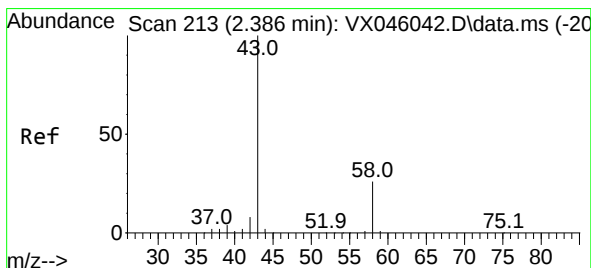
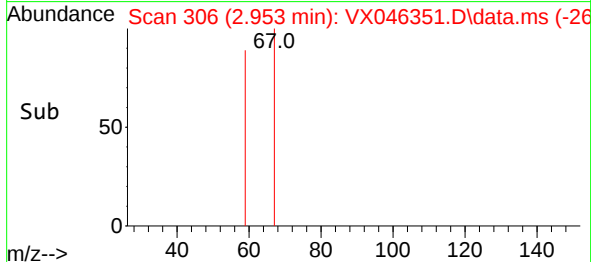
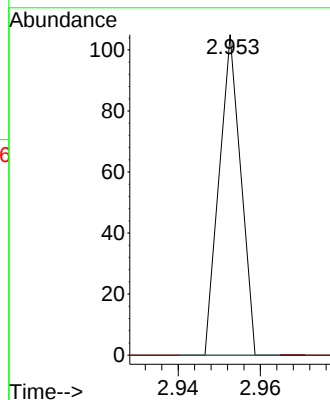
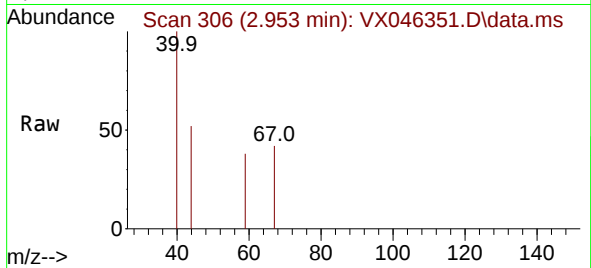




#11
Tert butyl alcohol
Concen: 0.234 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

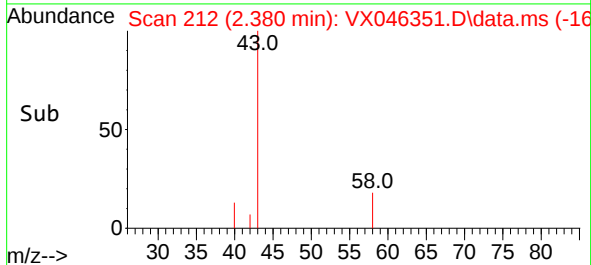
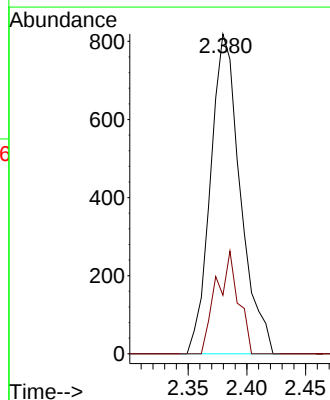
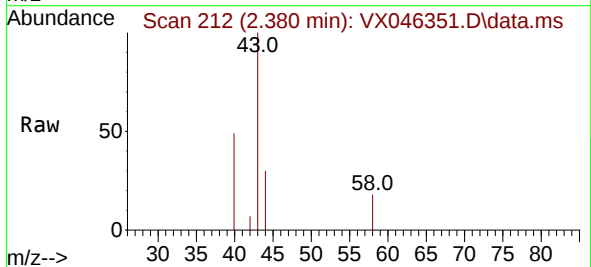
Instrument :
MSVOA_X
ClientSampleId :
GAW1

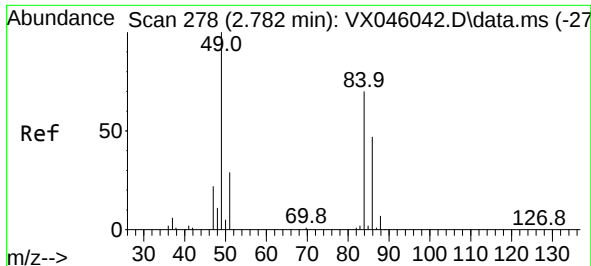
Tgt Ion: 59 Resp: 38
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#16
Acetone
Concen: 3.122 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 18.3 21.2 31.8#





#20

Methylene Chloride

Concen: 0.202 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046351.D

Acq: 23 May 2025 17:36

Instrument :

MSVOA_X

ClientSampleId :

GAW1

Tgt Ion: 84 Resp: 179

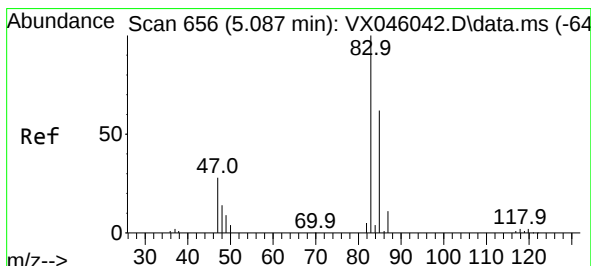
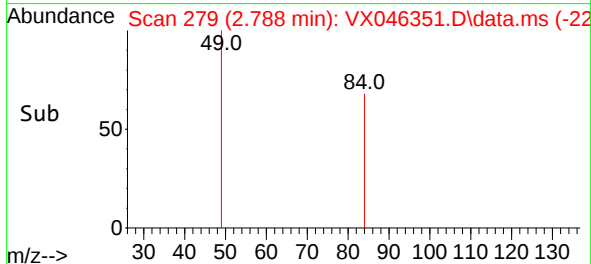
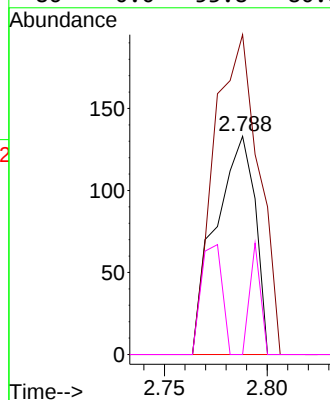
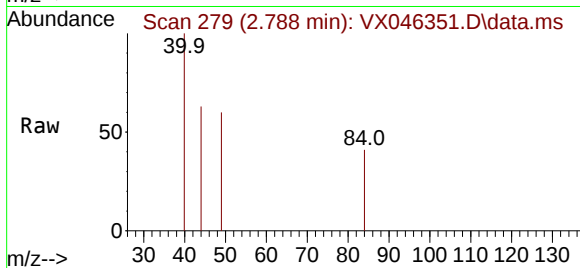
Ion Ratio Lower Upper

84 100

49 146.6 113.9 170.9

51 0.0 33.5 50.3#

86 0.0 53.8 80.8#



#30

Chloroform

Concen: 0.536 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.012 min

Lab File: VX046351.D

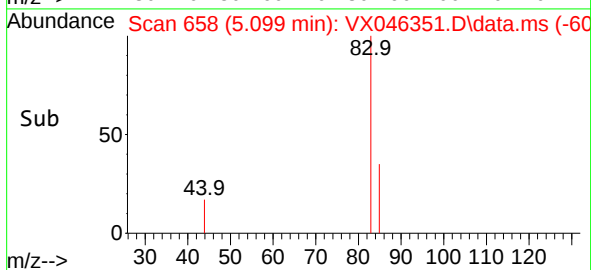
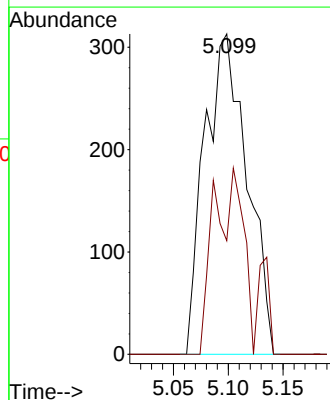
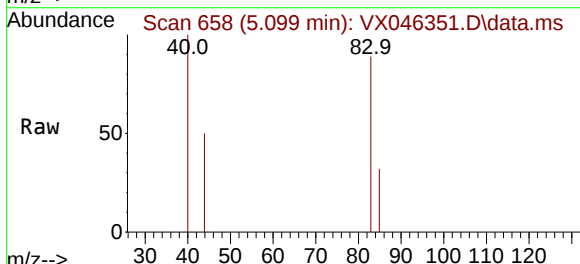
Acq: 23 May 2025 17:36

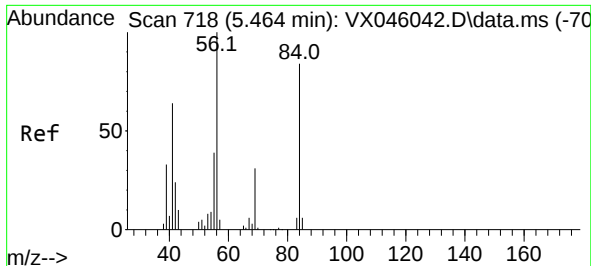
Tgt Ion: 83 Resp: 845

Ion Ratio Lower Upper

83 100

85 35.5 49.3 73.9#

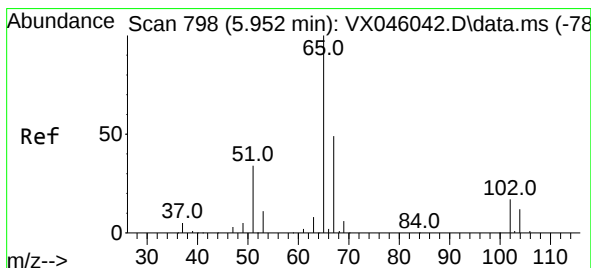
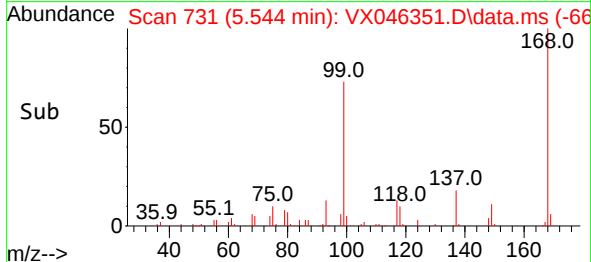
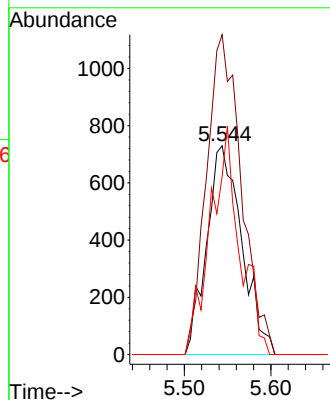
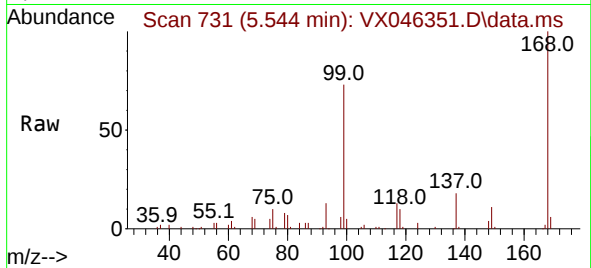




#31
Cyclohexane
Concen: 1.494 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

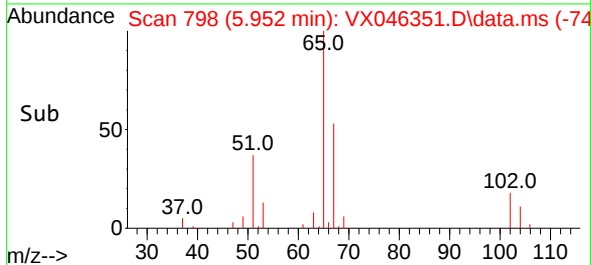
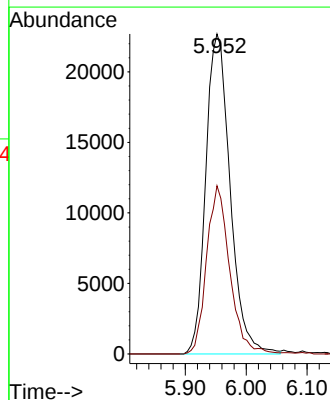
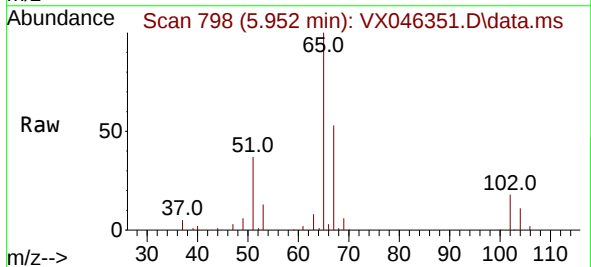
Instrument :
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ClientSampleId :
GAW1

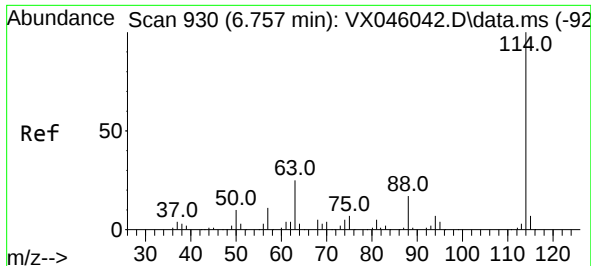
Tgt Ion: 56 Resp: 2058
Ion Ratio Lower Upper
56 100
69 153.2 24.4 36.6#
84 85.2 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.483 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 65 Resp: 62990
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.0

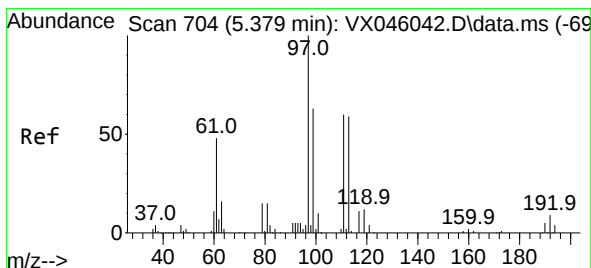
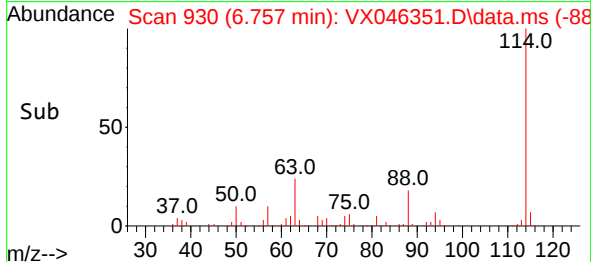
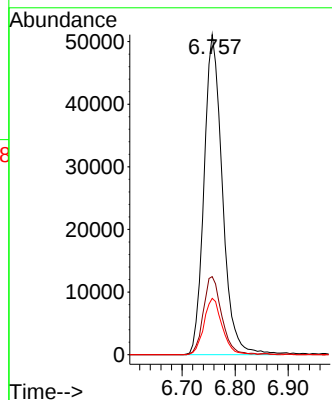
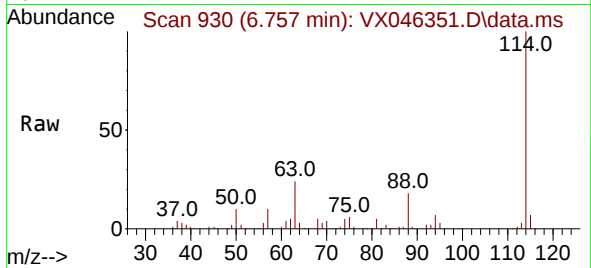




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

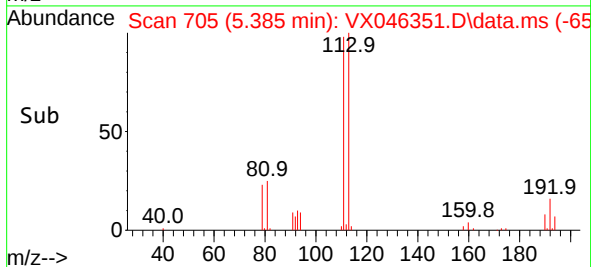
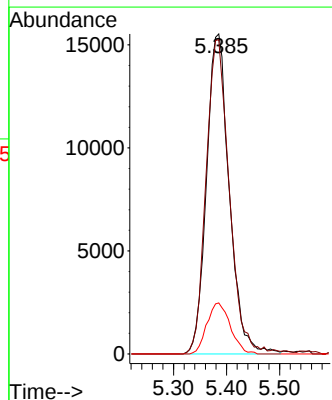
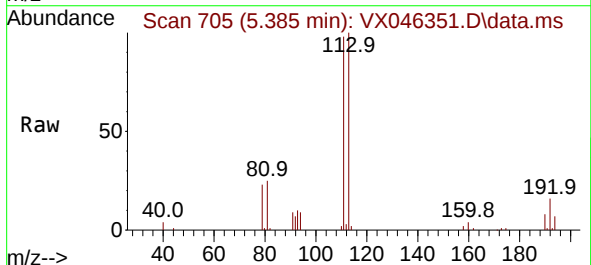
Instrument :
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ClientSampleId :
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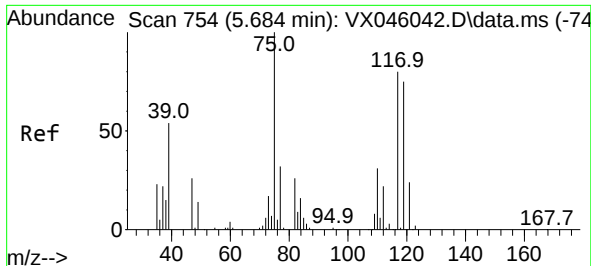
Tgt Ion:114 Resp: 123132
Ion Ratio Lower Upper
114 100
63 24.4 0.0 49.2
88 17.6 0.0 33.6



#35
Dibromofluoromethane
Concen: 52.230 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion:113 Resp: 46311
Ion Ratio Lower Upper
113 100
111 99.9 83.1 124.7
192 16.4 13.3 19.9

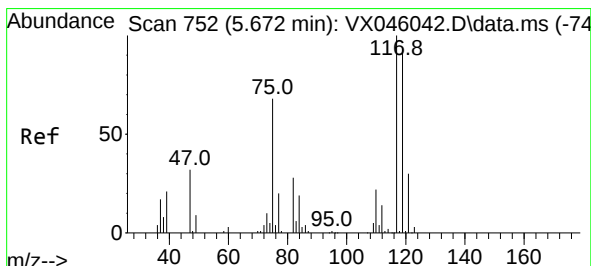
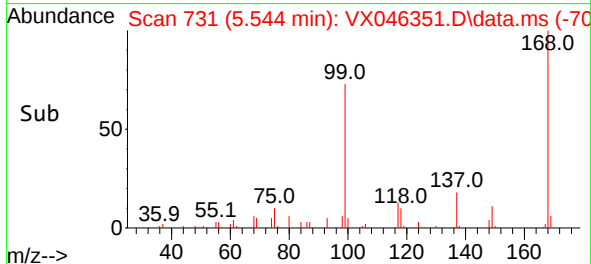
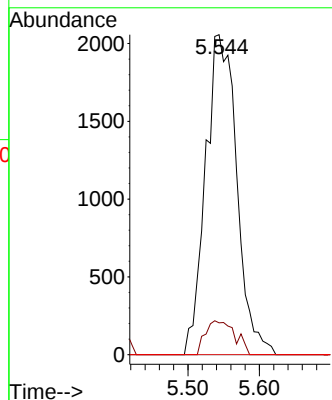
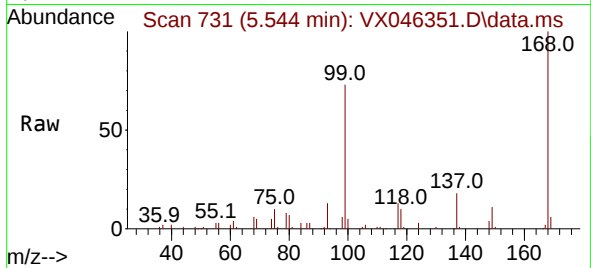




#36
1,1-Dichloropropene
Concen: 5.248 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

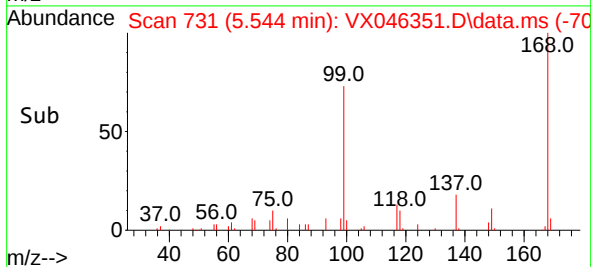
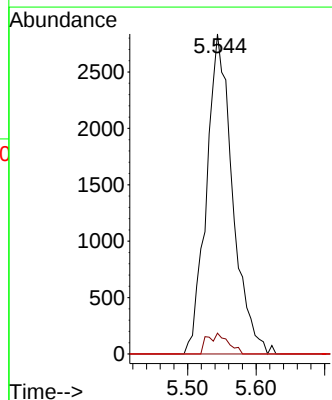
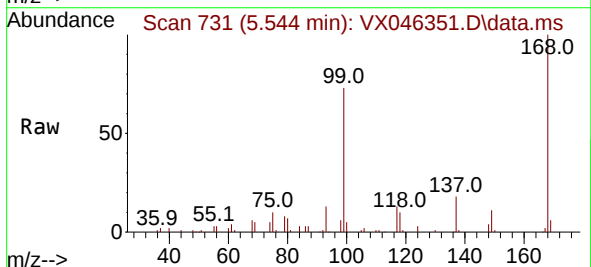
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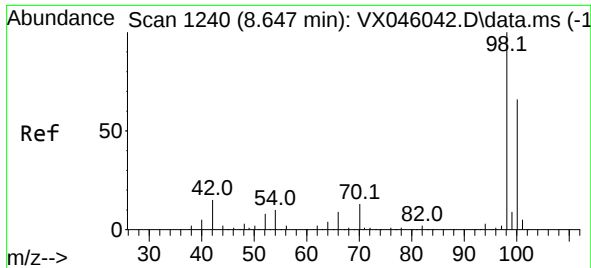
Tgt Ion: 75 Resp: 6252
Ion Ratio Lower Upper
75 100
110 10.0 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.620 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 117 Resp: 7523
Ion Ratio Lower Upper
117 100
119 6.5 75.2 112.8#
121 0.0 24.2 36.4#

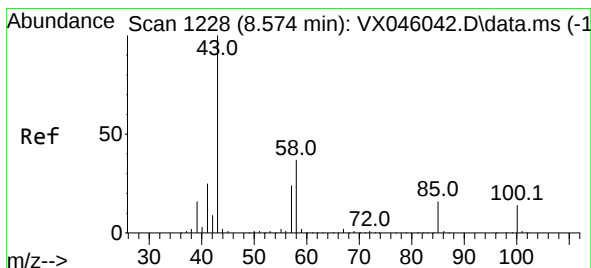
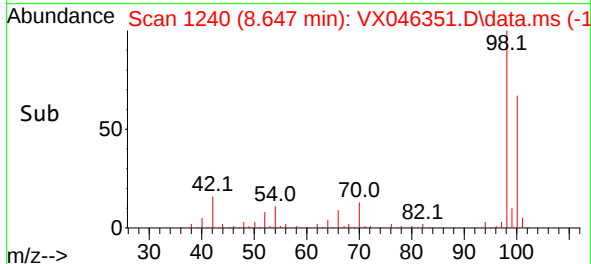
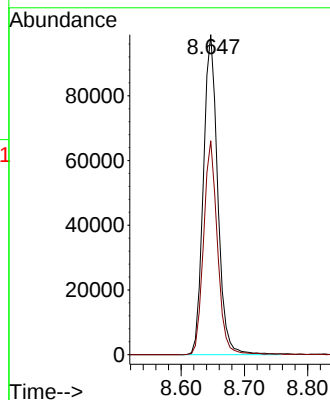
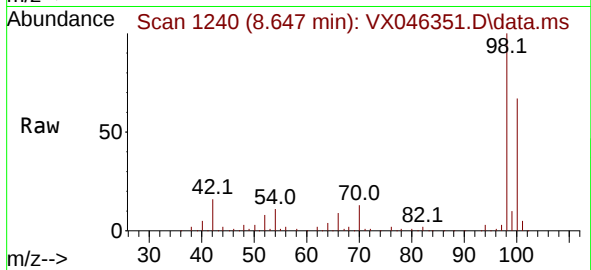




#50
Toluene-d8
Concen: 50.938 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

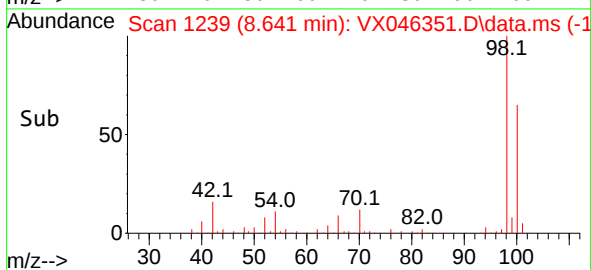
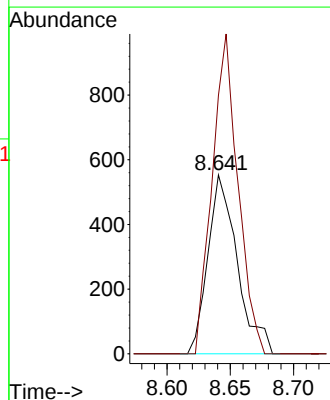
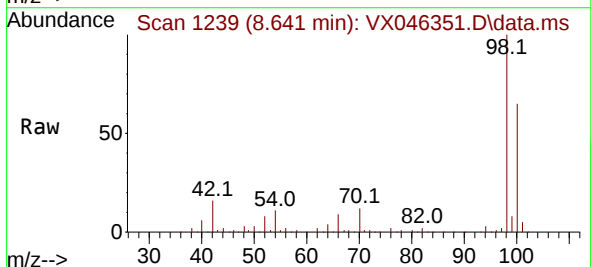
Instrument :
MSVOA_X
ClientSampleId :
GAW1

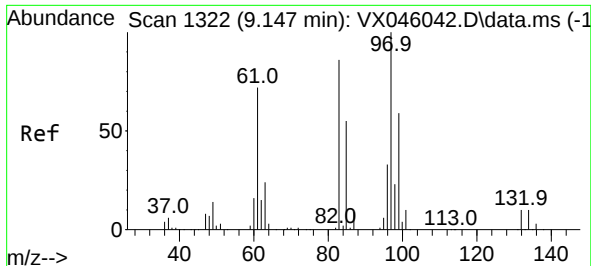
Tgt Ion: 98 Resp: 156324
Ion Ratio Lower Upper
98 100
100 64.5 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 43 Resp: 891
Ion Ratio Lower Upper
43 100
58 157.7 28.9 43.3#

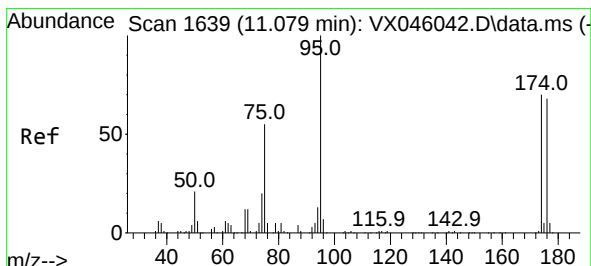
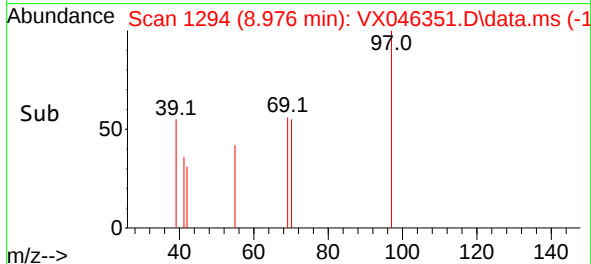
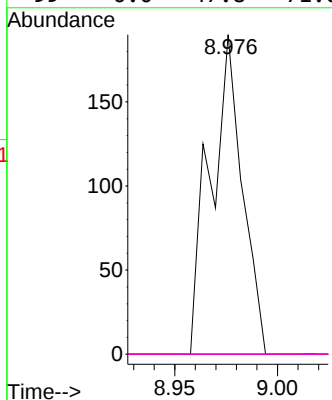
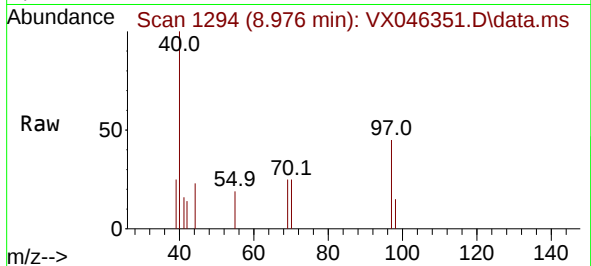




#55
 1,1,2-Trichloroethane
 Concen: 0.244 ug/l
 RT: 8.976 min Scan# 1294
 Delta R.T. -0.171 min
 Lab File: VX046351.D
 Acq: 23 May 2025 17:36

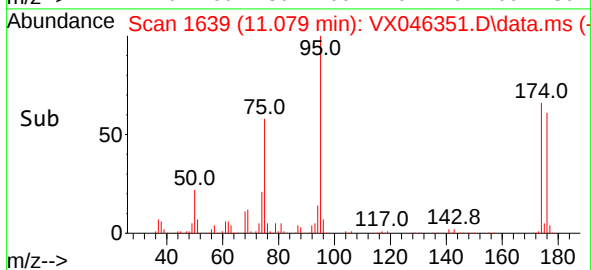
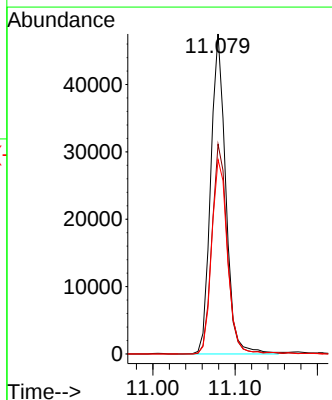
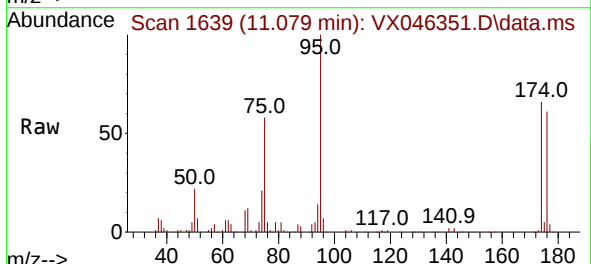
Instrument :
 MSVOA_X
 ClientSampleId :
 GAW1

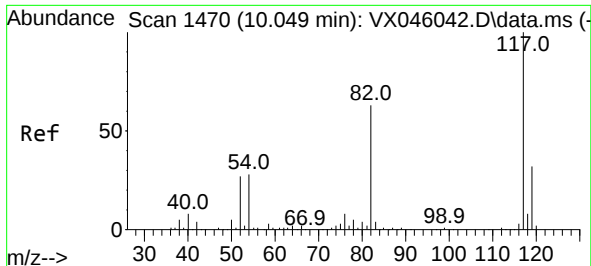
Tgt Ion:	97	Resp:	206
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.0	103.6#
85	0.0	44.3	66.5#
99	0.0	47.8	71.6#



#62
 4-Bromofluorobenzene
 Concen: 51.335 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX046351.D
 Acq: 23 May 2025 17:36

Tgt Ion:	95	Resp:	60431
Ion	Ratio	Lower	Upper
95	100		
174	66.9	0.0	135.8
176	63.6	0.0	131.4

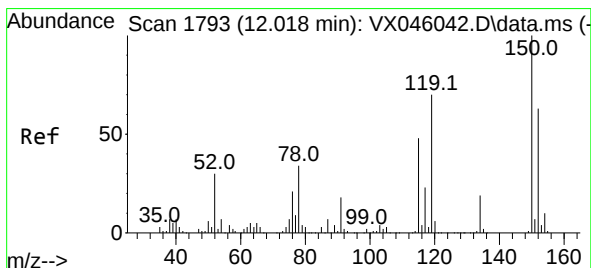
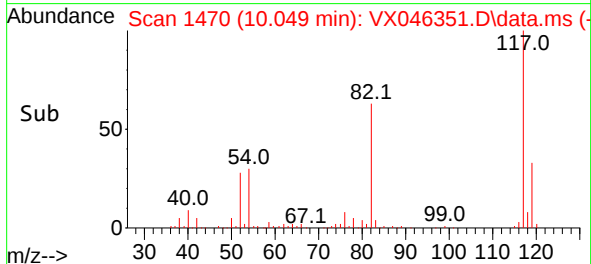
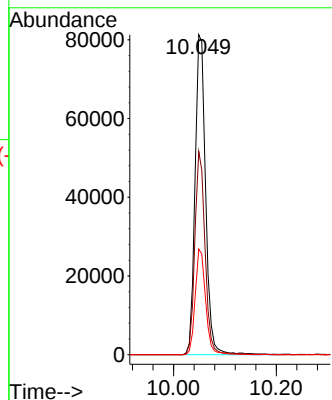
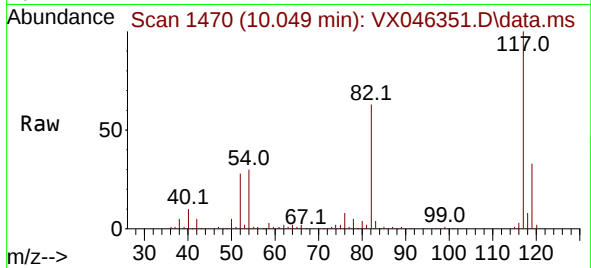




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

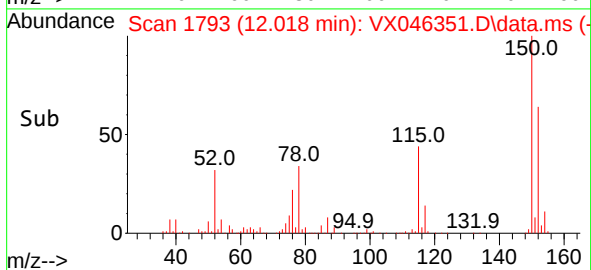
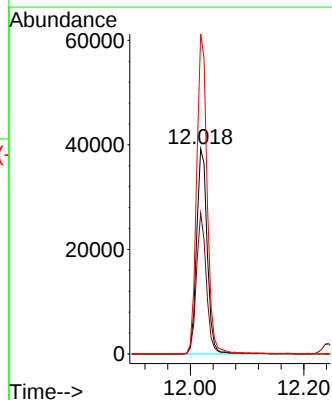
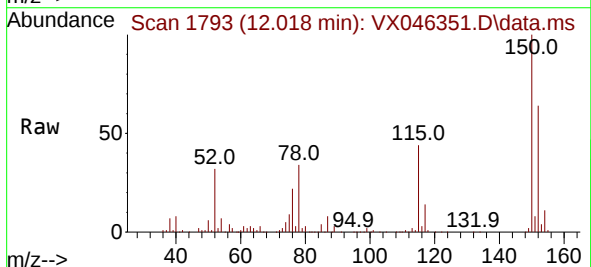
Instrument :
MSVOA_X
ClientSampleId :
GAW1

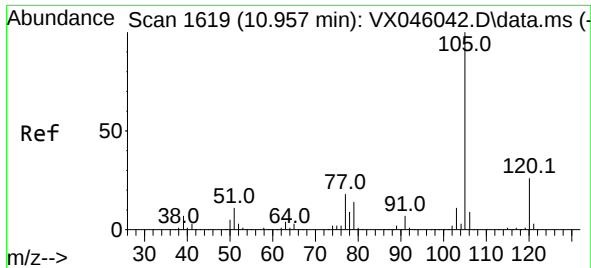
Tgt Ion:117 Resp: 116379
Ion Ratio Lower Upper
117 100
82 63.5 50.6 76.0
119 33.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion:152 Resp: 51005
Ion Ratio Lower Upper
152 100
115 65.1 46.9 140.7
150 154.9 0.0 351.0

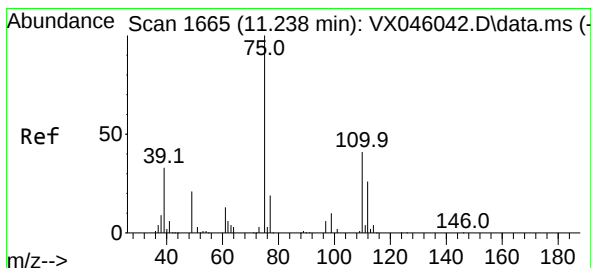
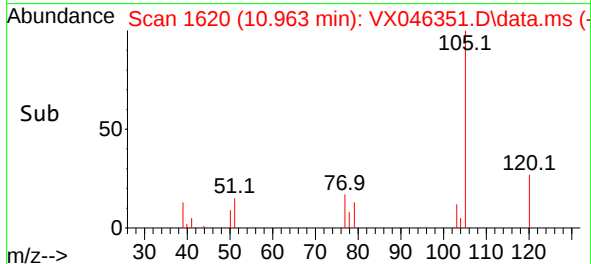
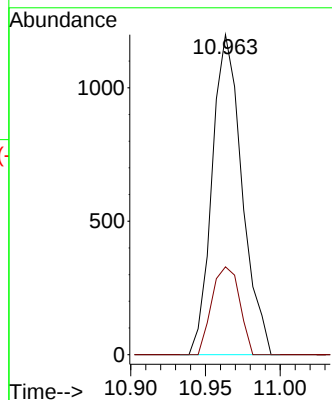
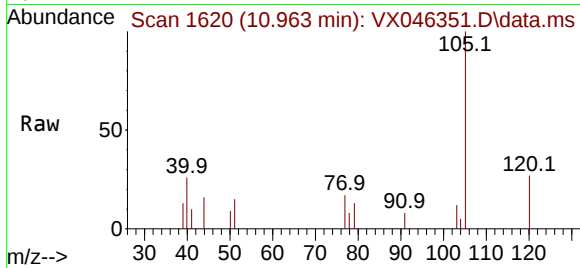




#73
Isopropylbenzene
Concen: 0.421 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

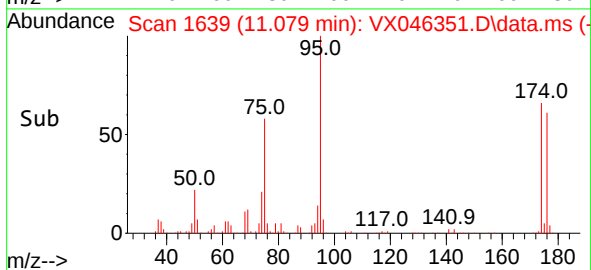
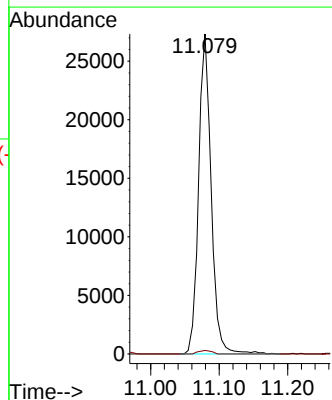
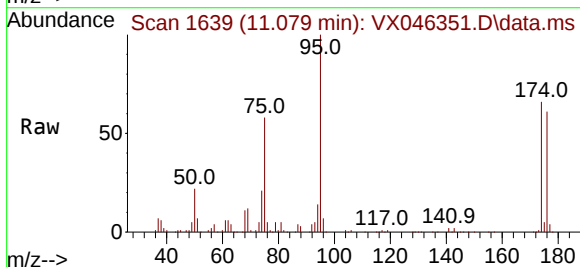
Instrument :
MSVOA_X
ClientSampleId :
GAW1

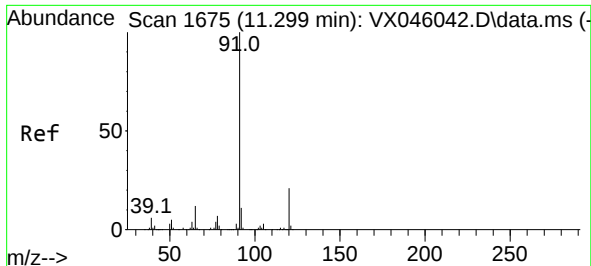
Tgt Ion:105 Resp: 1672
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.4



#76
1,2,3-Trichloropropane
Concen: 28.410 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 75 Resp: 34879
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#

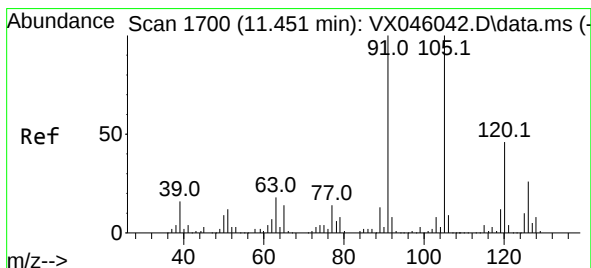
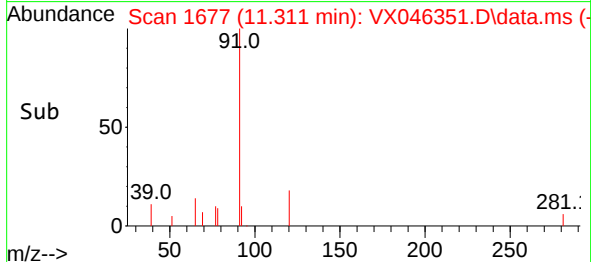
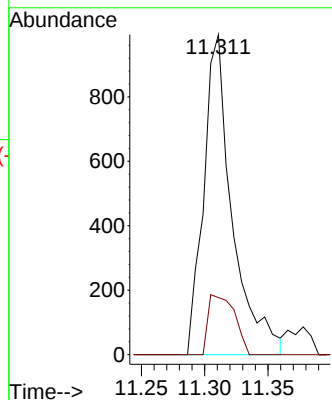
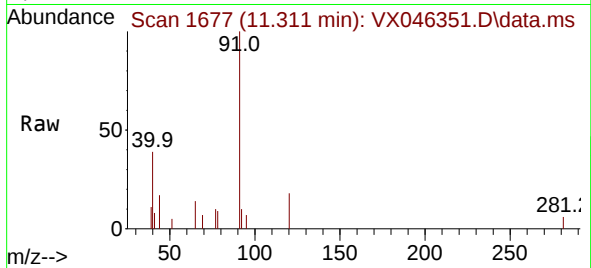




#78
n-propylbenzene
Concen: 0.337 ug/l
RT: 11.311 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

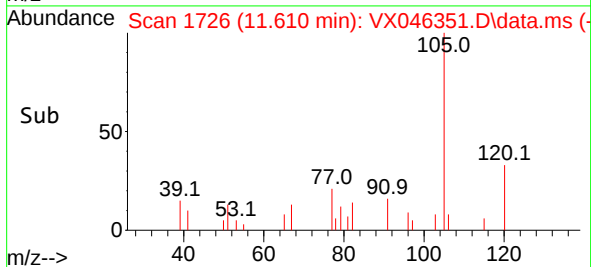
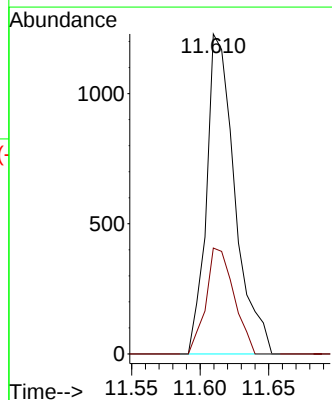
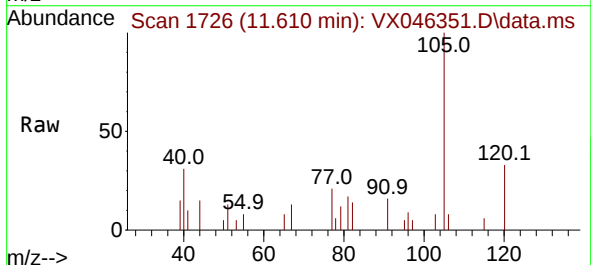
Instrument :
MSVOA_X
ClientSampleId :
GAW1

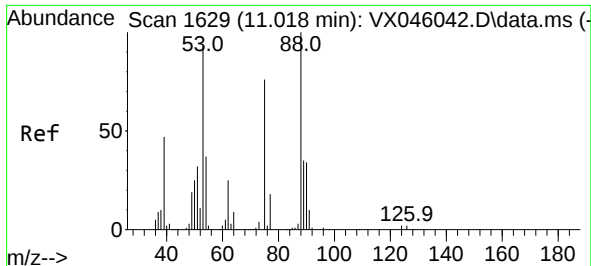
Tgt Ion: 91 Resp: 1556
Ion Ratio Lower Upper
91 100
120 17.2 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 0.534 ug/l
RT: 11.610 min Scan# 1726
Delta R.T. 0.158 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 105 Resp: 1771
Ion Ratio Lower Upper
105 100
120 32.6 23.1 69.2

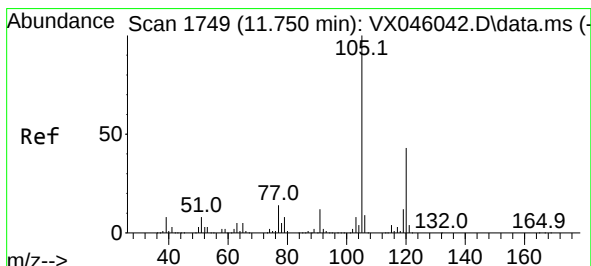
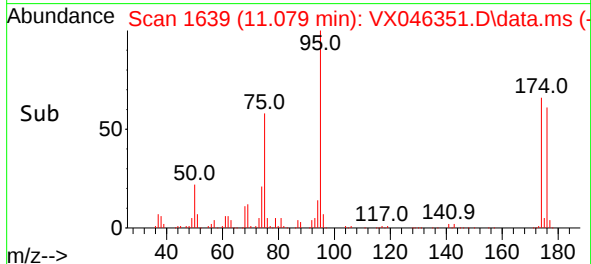
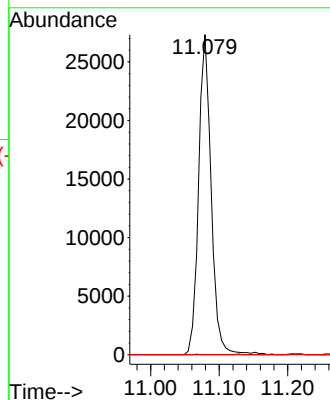
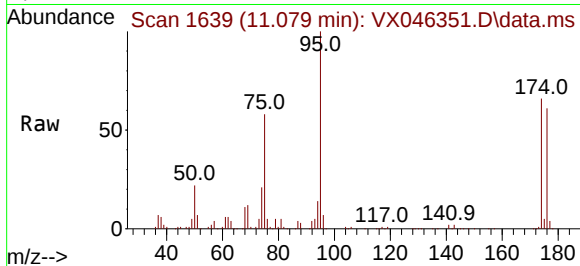




#81
trans-1,4-Dichloro-2-butene
Concen: 92.493 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

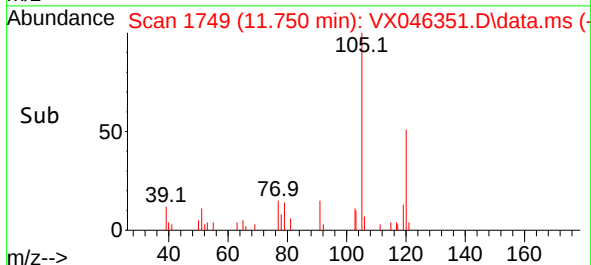
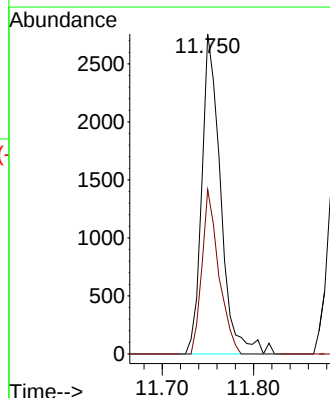
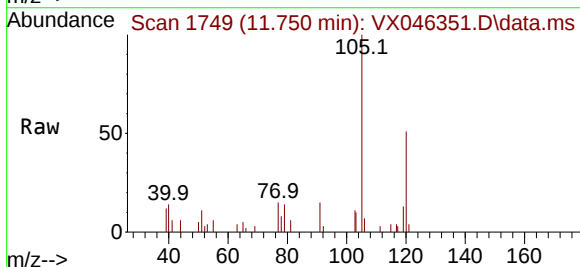
Instrument :
MSVOA_X
ClientSampleId :
GAW1

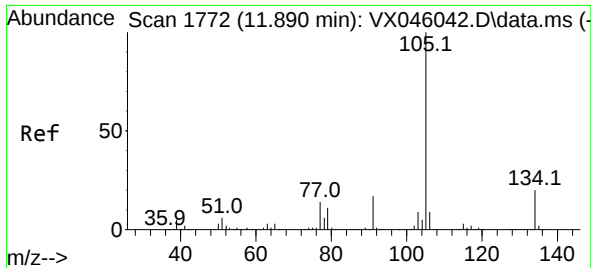
Tgt Ion: 75 Resp: 34879
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.1 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 1.173 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Tgt Ion: 105 Resp: 3941
Ion Ratio Lower Upper
105 100
120 45.9 21.2 63.6

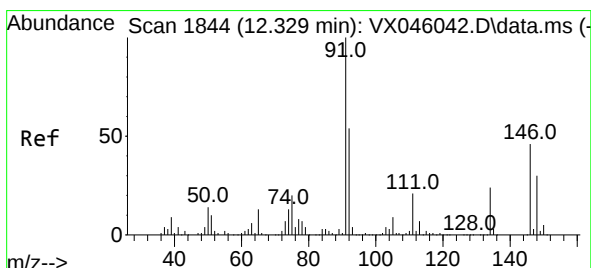
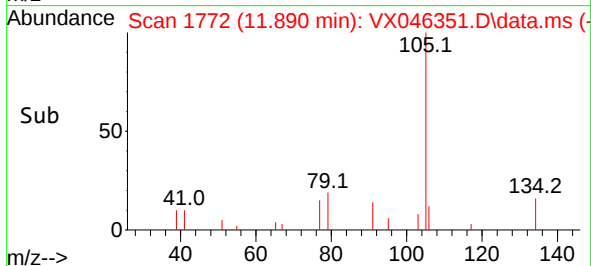
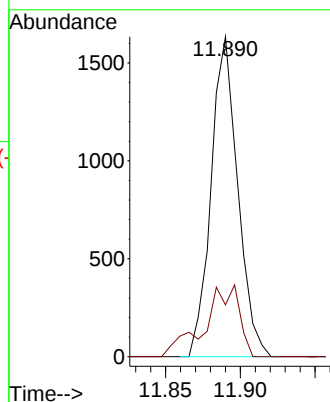
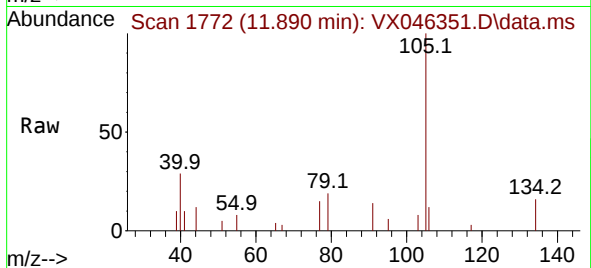




#85
 sec-Butylbenzene
 Concen: 0.493 ug/l
 RT: 11.890 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046351.D
 Acq: 23 May 2025 17:36

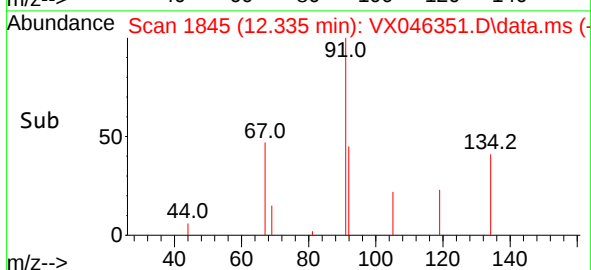
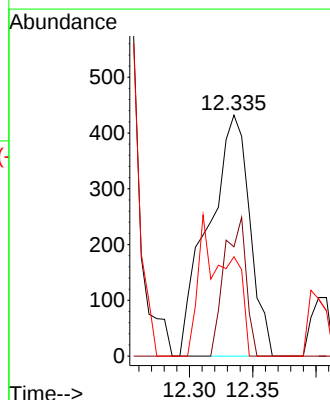
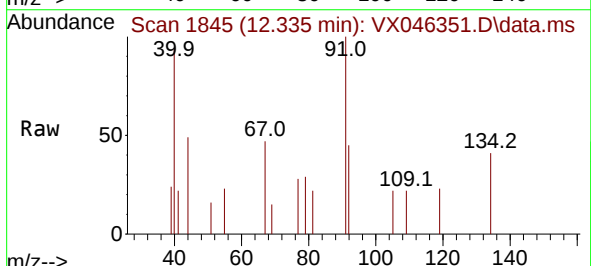
Instrument :
 MSVOA_X
 ClientSampleId :
 GAW1

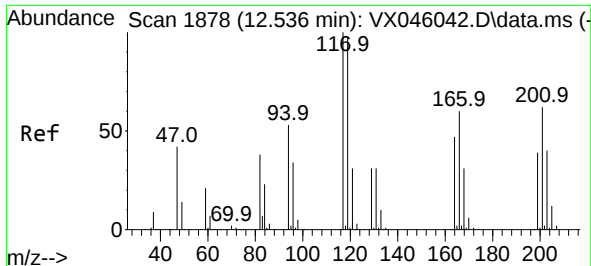
Tgt Ion:105 Resp: 2024
 Ion Ratio Lower Upper
 105 100
 134 29.2 9.7 29.1#



#89
 n-Butylbenzene
 Concen: 0.329 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: VX046351.D
 Acq: 23 May 2025 17:36

Tgt Ion: 91 Resp: 978
 Ion Ratio Lower Upper
 91 100
 92 30.4 26.9 80.7
 134 0.0 11.8 35.3#

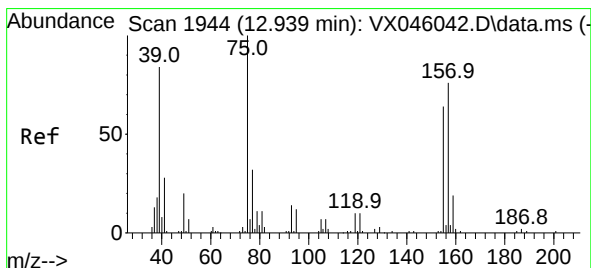
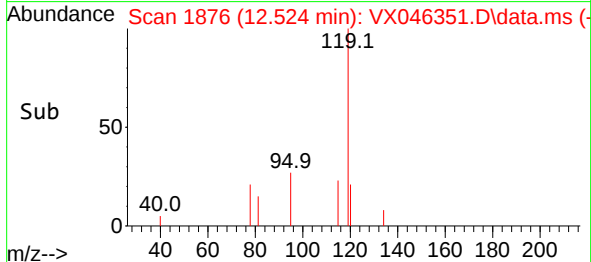
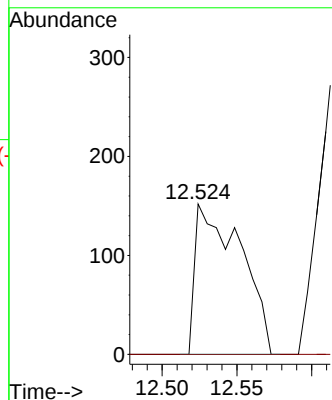
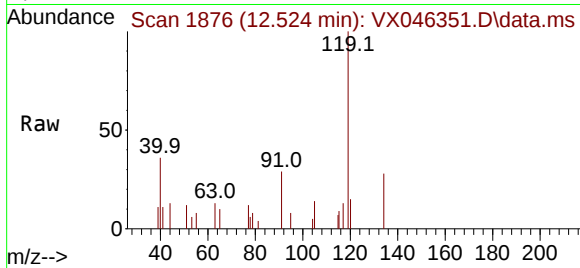




#90
Hexachloroethane
Concen: 0.540 ug/l
RT: 12.524 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

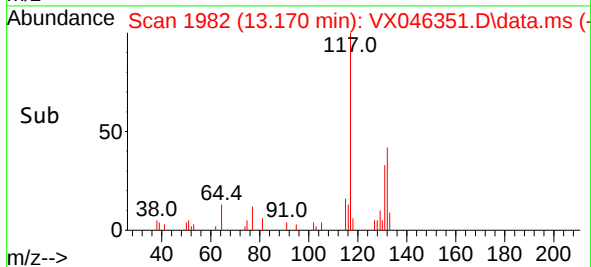
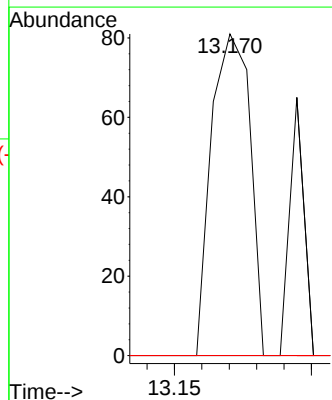
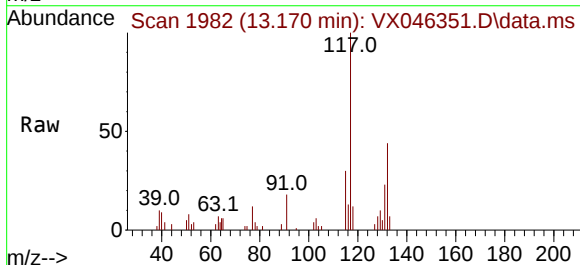
Instrument :
MSVOA_X
ClientSampleId :
GAW1

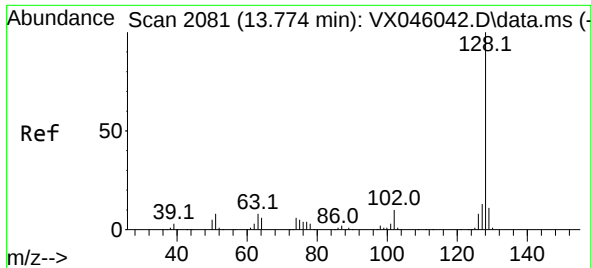
Tgt Ion:117 Resp: 322
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.256 ug/l
RT: 13.170 min Scan# 1982
Delta R.T. 0.232 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

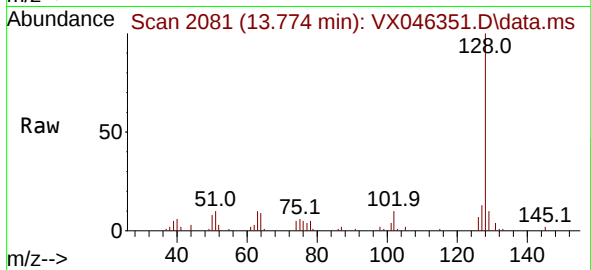
Tgt Ion: 75 Resp: 79
Ion Ratio Lower Upper
75 100
155 0.0 34.9 104.8#
157 0.0 43.8 131.4#





#95
Naphthalene
Concen: 2.466 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046351.D
Acq: 23 May 2025 17:36

Instrument :
MSVOA_X
ClientSampleId :
GAW1



Tgt Ion:128 Resp: 8769
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 15.6 8.6 13.0#

