

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
 Data File : VX046350.D
 Acq On : 23 May 2025 17:12
 Operator : JC/MD
 Sample : Q2106-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-09

Quant Time: May 23 23:05:08 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)

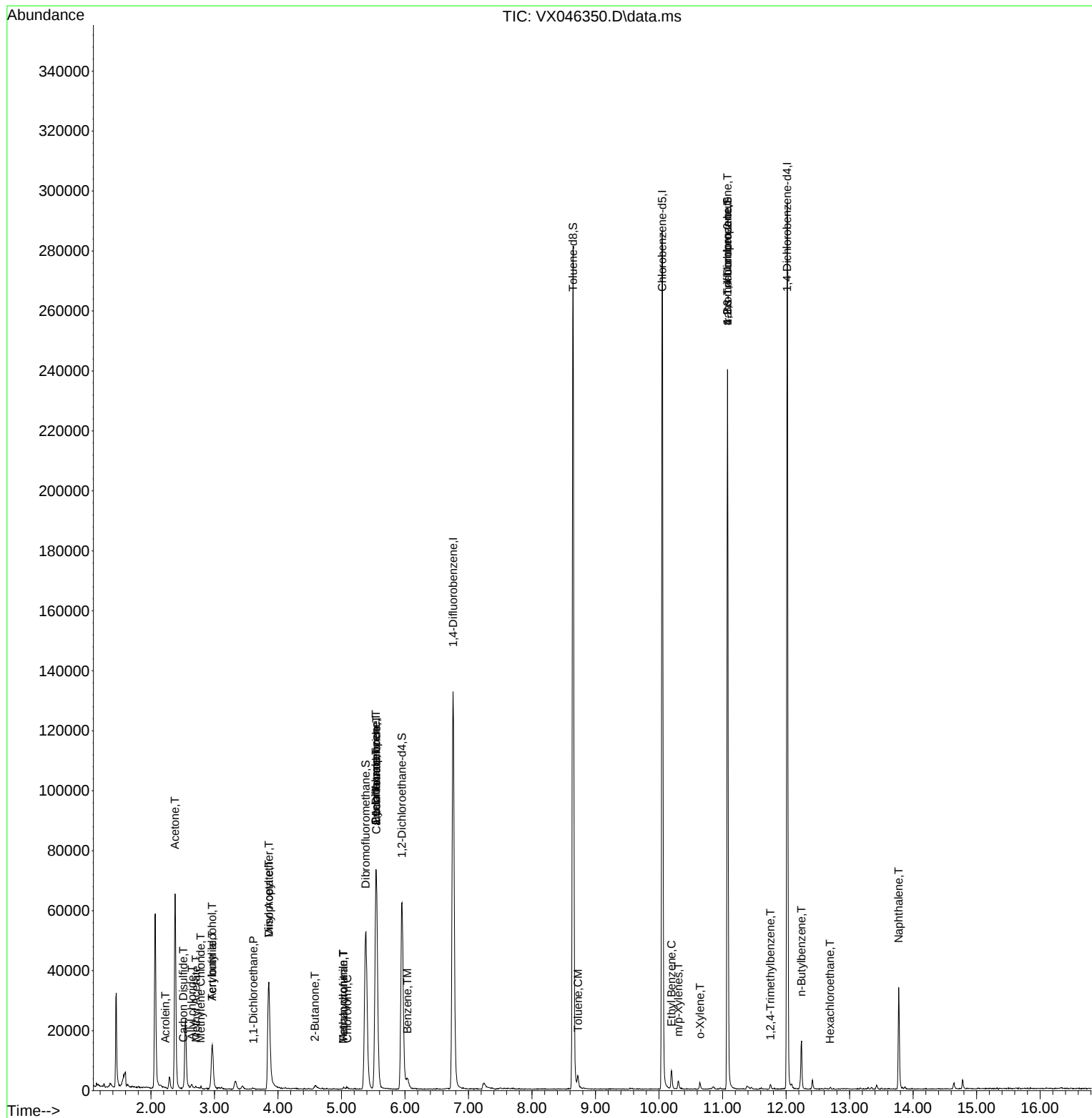
Internal Standards						
1) Pentafluorobenzene	5.544	168	61490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124971	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	119162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64289	56.080	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.160%			
35) Dibromofluoromethane	5.379	113	46813	52.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.040%			
50) Toluene-d8	8.647	98	156749	50.325	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	63161	52.864	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.720%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	15443	95.969	ug/l	97
13) Acrolein	2.227	56	139	0.758	ug/l #	41
14) Allyl chloride	2.642	41	1252	0.898	ug/l #	40
15) Acrylonitrile	2.965	53	138	0.300	ug/l #	1
16) Acetone	2.380	43	70275	152.891	ug/l	99
17) Carbon Disulfide	2.508	76	573	0.331	ug/l #	76
18) Methyl Acetate	2.709	43	1181	1.107	ug/l #	88
20) Methylene Chloride	2.782	84	243	0.276	ug/l #	47
22) Diisopropyl ether	3.855	45	2688	0.999	ug/l #	1
23) Vinyl Acetate	3.855	43	6389	2.699	ug/l #	74
24) 1,1-Dichloroethane	3.611	63	458	0.305	ug/l #	82
25) 2-Butanone	4.580	43	936	1.403	ug/l	92
29) Tetrahydrofuran	5.032	42	323	0.772	ug/l #	35
30) Chloroform	5.093	83	664	0.425	ug/l #	67
31) Cyclohexane	5.544	56	1897	1.389	ug/l #	33
36) 1,1-Dichloropropene	5.544	75	6231	5.153	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7716	5.680	ug/l #	16
40) Benzene	6.037	78	4042	1.141	ug/l	98
41) Methacrylonitrile	5.025	41	167	0.214	ug/l #	48
52) Toluene	8.726	92	1555	0.716	ug/l	98
67) Ethyl Benzene	10.195	91	3981	0.866	ug/l	92
68) m/p-Xylenes	10.305	106	885	0.526	ug/l	92
69) o-Xylene	10.646	106	559	0.341	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	35170	27.642	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35170	89.995	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1049	0.301	ug/l	92
89) n-Butylbenzene	12.244	91	1122	0.364	ug/l #	40
90) Hexachloroethane	12.695	117	384	0.621	ug/l #	19
95) Naphthalene	13.774	128	21304	5.780	ug/l	99

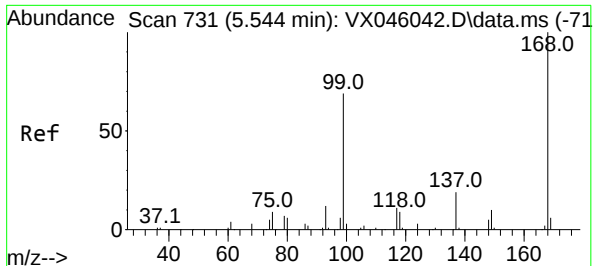
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
Data File : VX046350.D
Acq On : 23 May 2025 17:12
Operator : JC/MD
Sample : Q2106-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

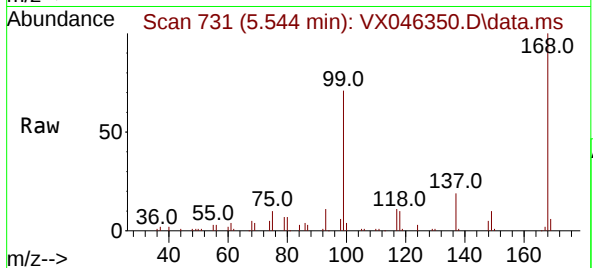
Quant Time: May 23 23:05:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



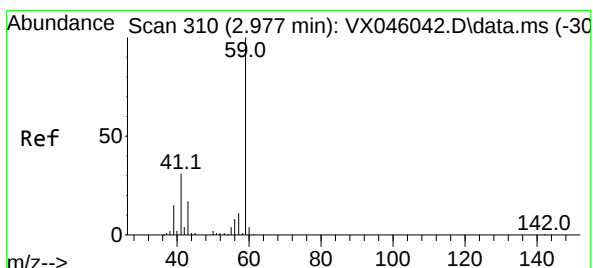
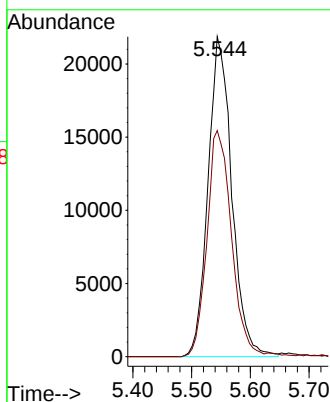
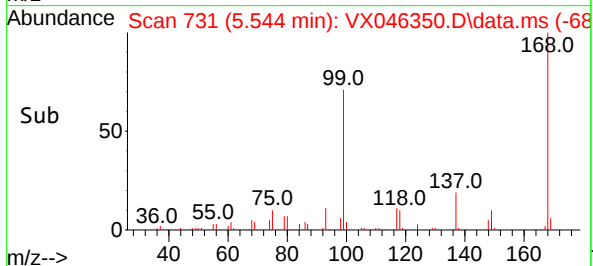


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

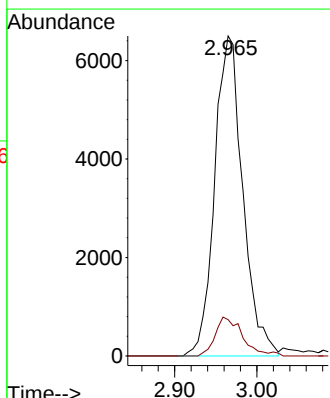
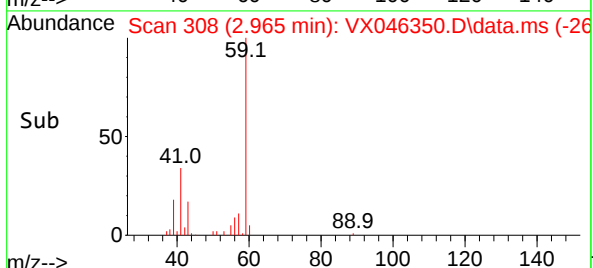
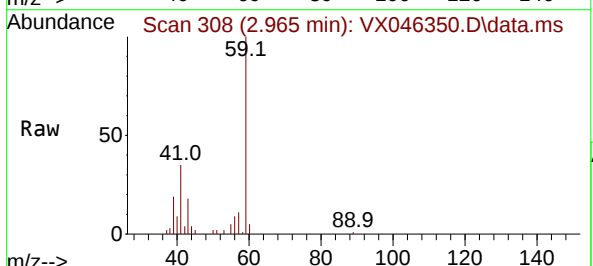


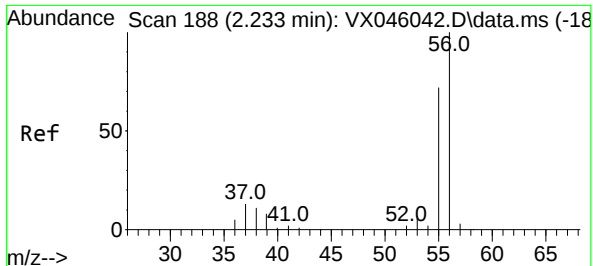
Tgt Ion:168 Resp: 61490
Ion Ratio Lower Upper
168 100
99 70.7 54.9 82.3



#11
Tert butyl alcohol
Concen: 95.969 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 59 Resp: 15443
Ion Ratio Lower Upper
59 100
57 11.9 8.6 12.8

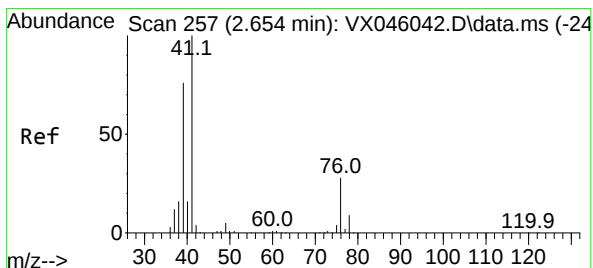
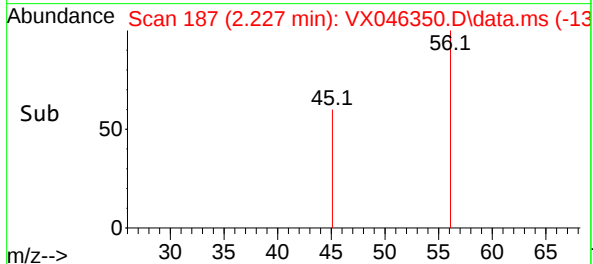
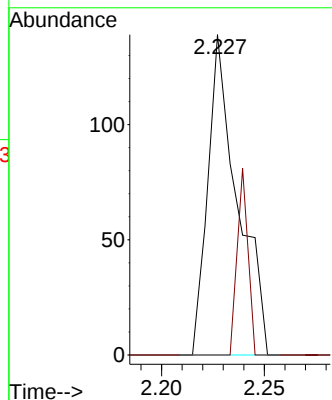
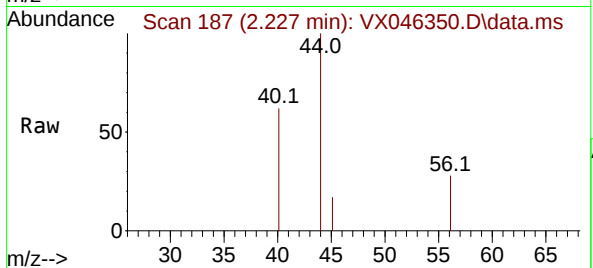




#13
Acrolein
Concen: 0.758 ug/l
RT: 2.227 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

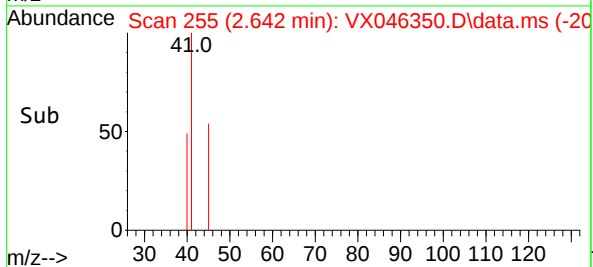
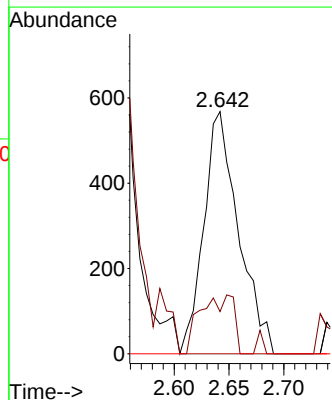
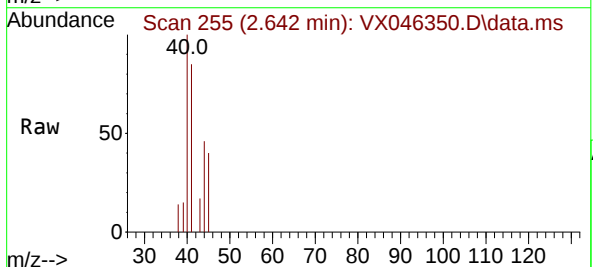
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

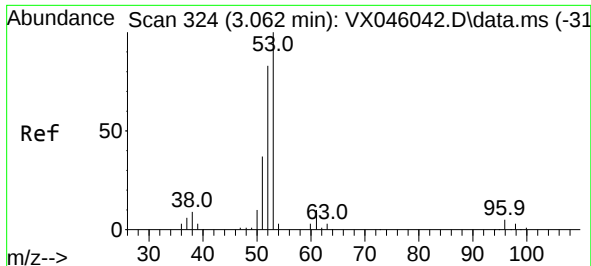
Tgt Ion: 56 Resp: 139
Ion Ratio Lower Upper
56 100
55 21.6 56.2 84.4#



#14
Allyl chloride
Concen: 0.898 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.012 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 41 Resp: 1252
Ion Ratio Lower Upper
41 100
39 23.4 60.6 90.8#
76 0.0 24.9 37.3#





#15

Acrylonitrile

Concen: 0.300 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.098 min

Lab File: VX046350.D

Acq: 23 May 2025 17:12

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-09

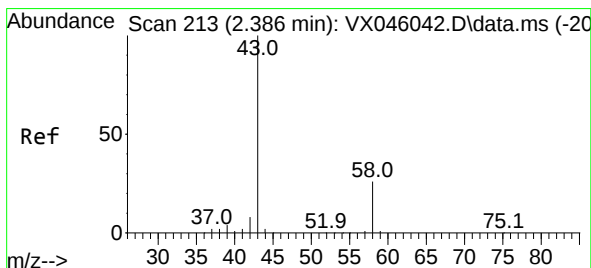
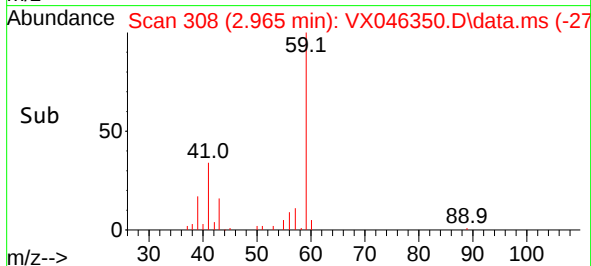
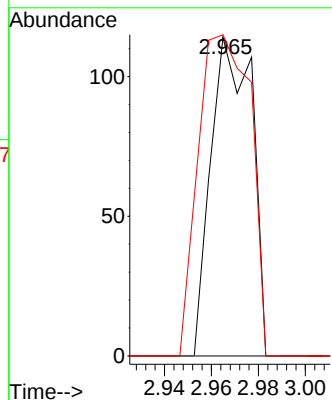
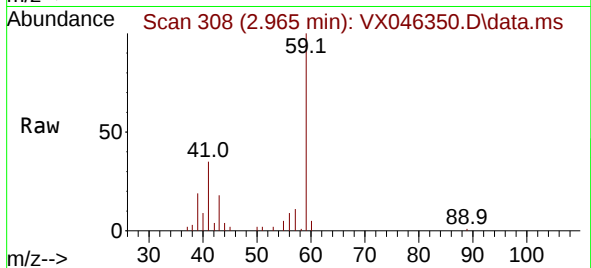
Tgt Ion: 53 Resp: 138

Ion Ratio Lower Upper

53 100

52 0.0 65.3 97.9#

51 129.0 29.8 44.8#



#16

Acetone

Concen: 152.891 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046350.D

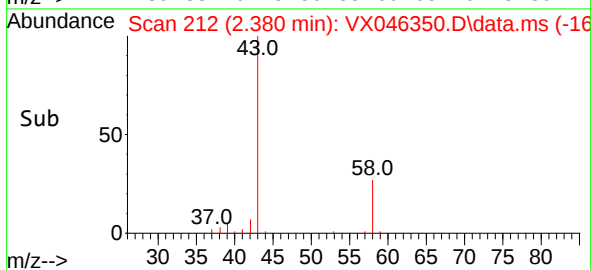
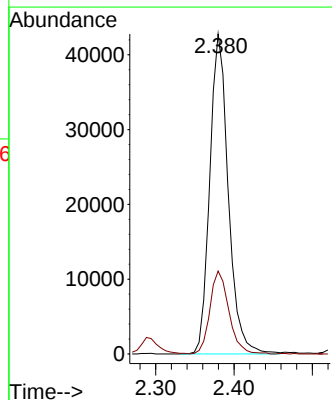
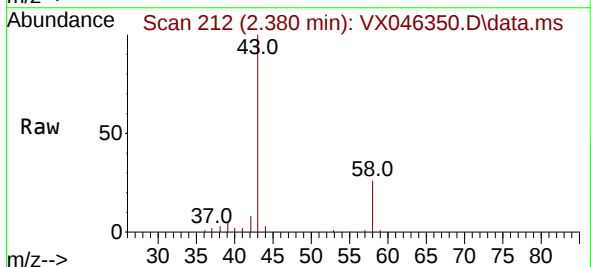
Acq: 23 May 2025 17:12

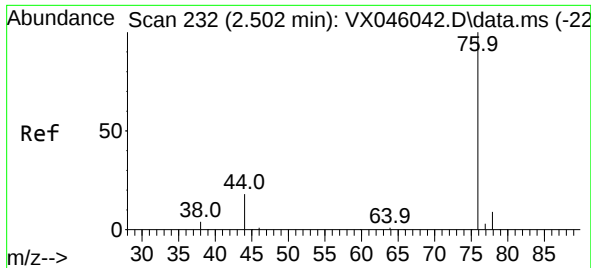
Tgt Ion: 43 Resp: 70275

Ion Ratio Lower Upper

43 100

58 25.7 21.2 31.8

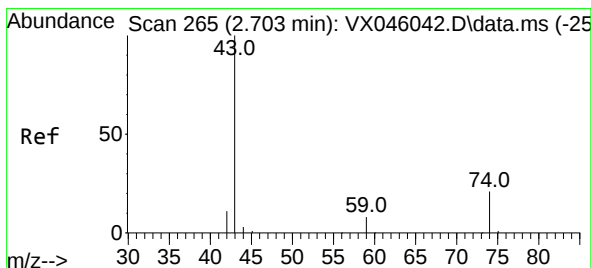
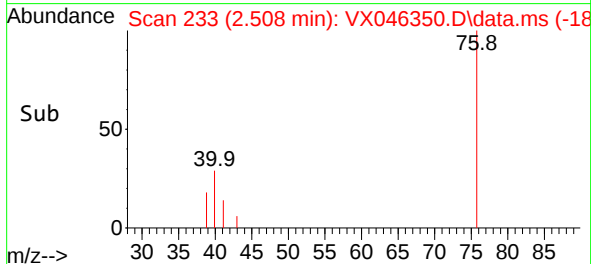
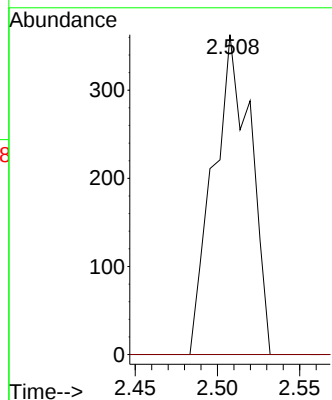
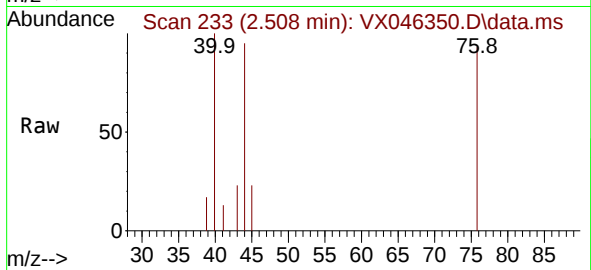




#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

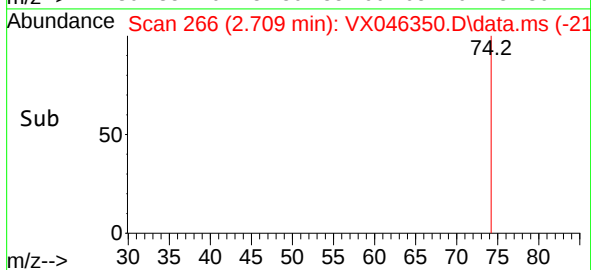
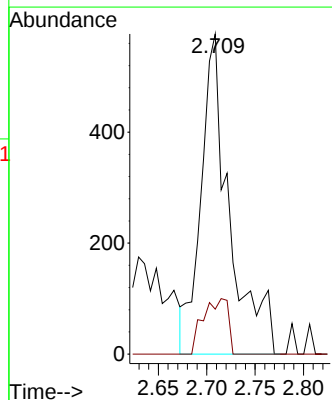
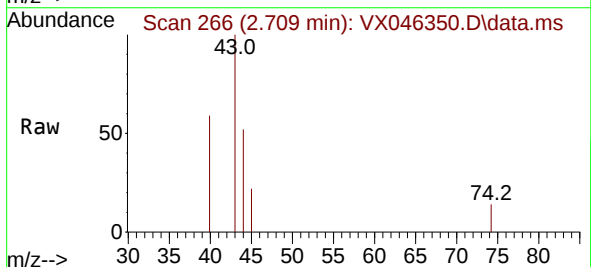
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

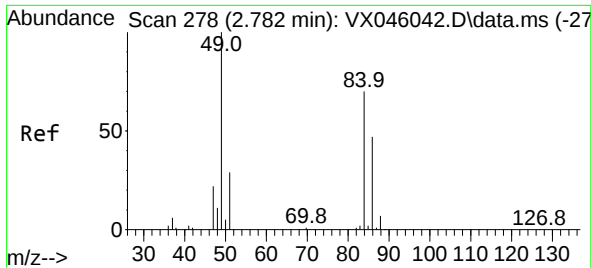
Tgt Ion: 76 Resp: 573
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 1.107 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 43 Resp: 1181
Ion Ratio Lower Upper
43 100
74 15.2 16.7 25.1#

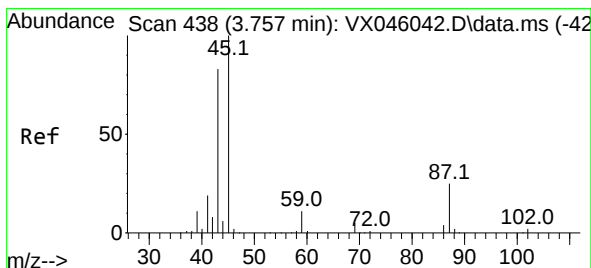
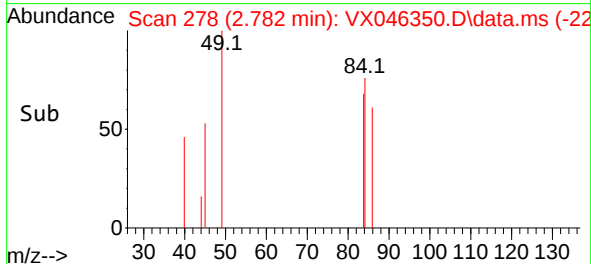
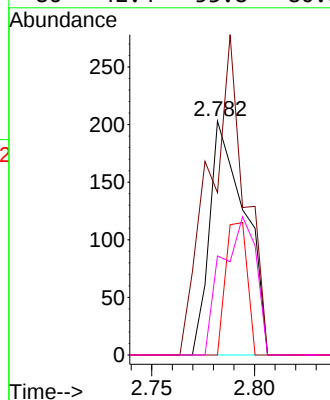
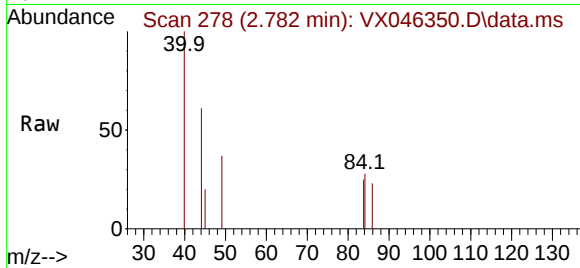




#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

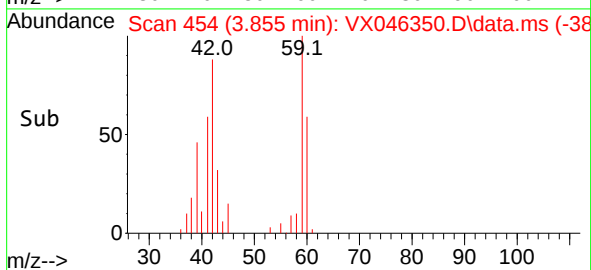
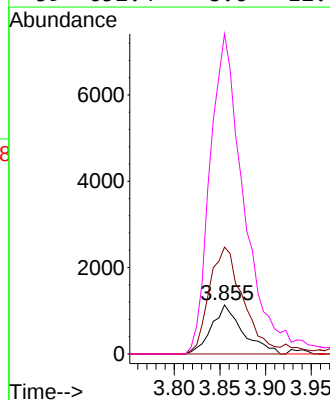
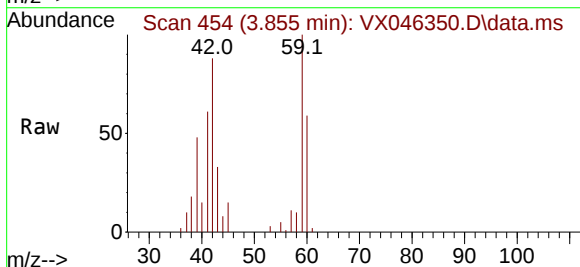
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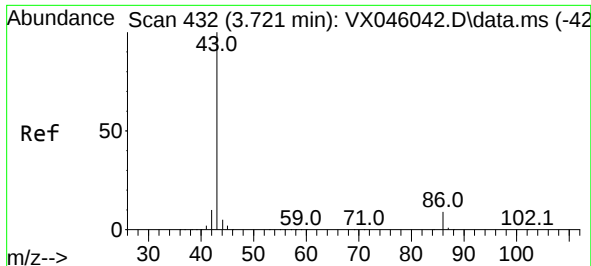
Tgt Ion:	84	Resp:	243
Ion	Ratio	Lower	Upper
84	100		
49	69.5	113.9	170.9#
51	0.0	33.5	50.3#
86	42.4	53.8	80.8#



#22
Diisopropyl ether
Concen: 0.999 ug/l
RT: 3.855 min Scan# 454
Delta R.T. 0.097 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion:	45	Resp:	2688
Ion	Ratio	Lower	Upper
45	100		
43	217.9	66.6	100.0#
87	0.0	19.8	29.6#
59	652.4	8.6	12.8#

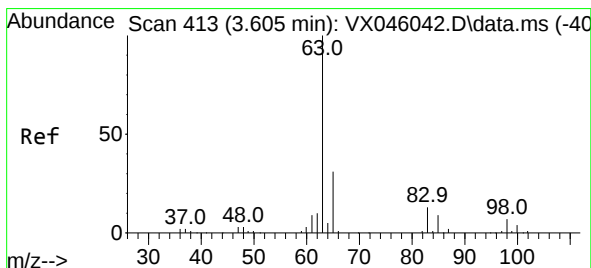
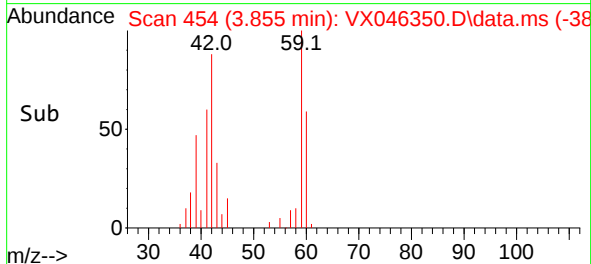
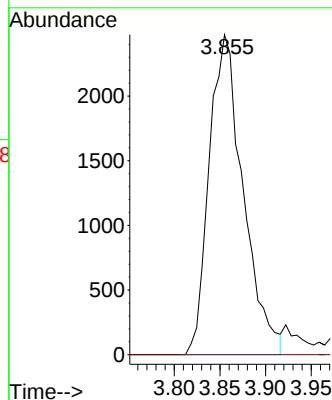
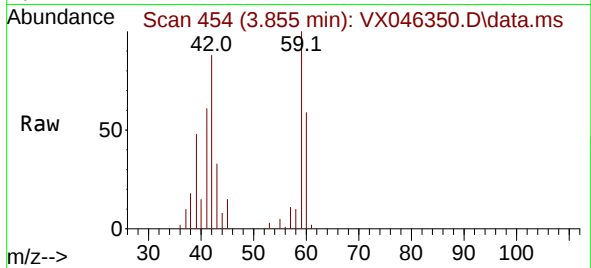




#23
 Vinyl Acetate
 Concen: 2.699 ug/l
 RT: 3.855 min Scan# 414
 Delta R.T. 0.134 min
 Lab File: VX046350.D
 Acq: 23 May 2025 17:12

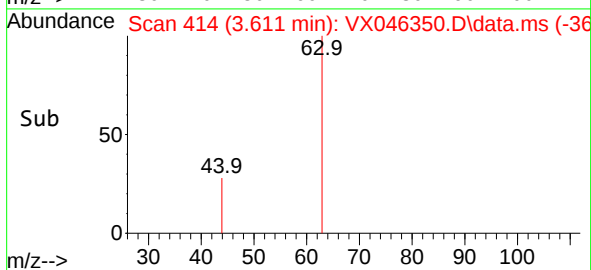
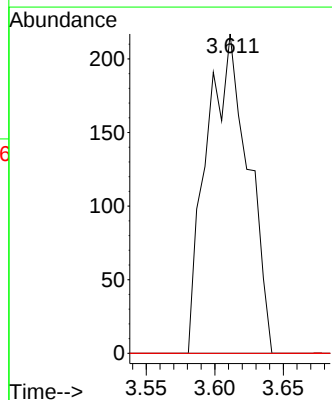
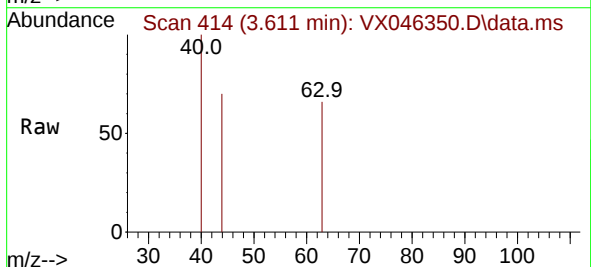
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-09

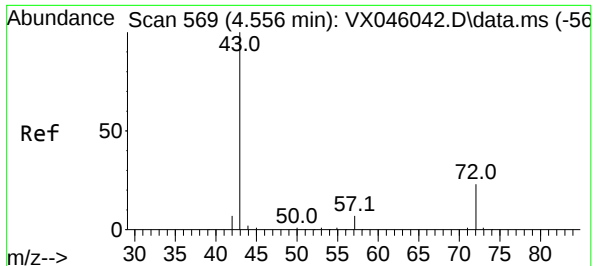
Tgt Ion: 43 Resp: 6389
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#24
 1,1-Dichloroethane
 Concen: 0.305 ug/l
 RT: 3.611 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX046350.D
 Acq: 23 May 2025 17:12

Tgt Ion: 63 Resp: 458
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.8#
 100 0.0 2.1 6.3#

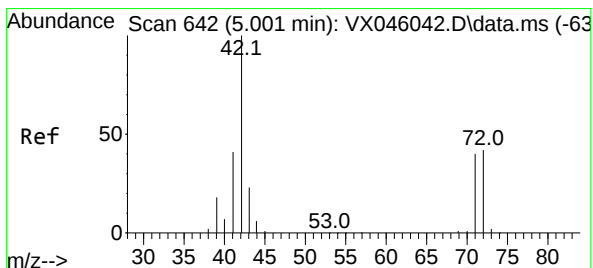
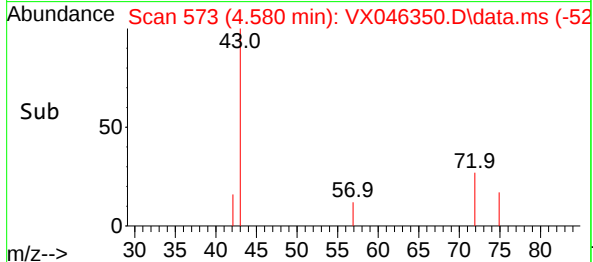
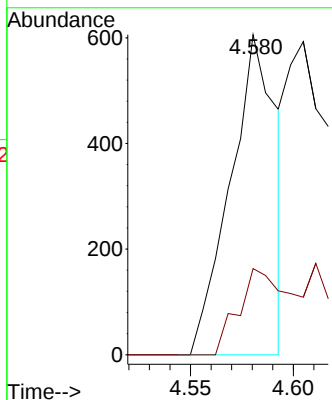
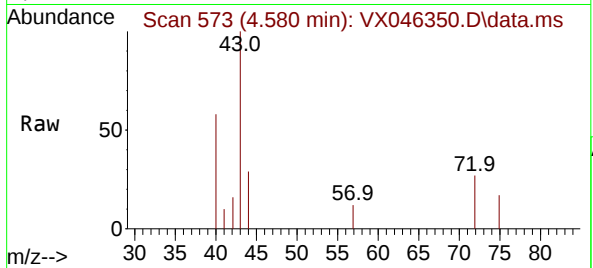




#25
2-Butanone
Concen: 1.403 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

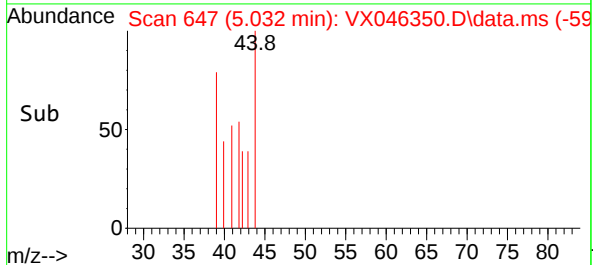
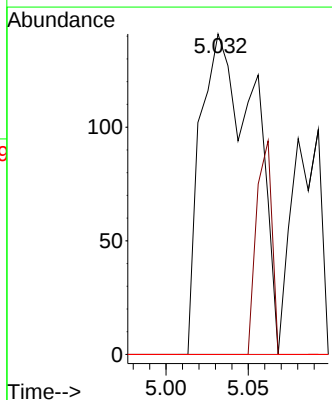
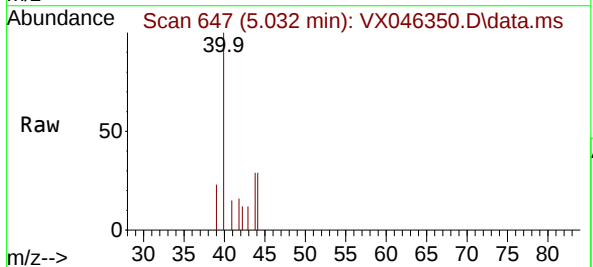
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

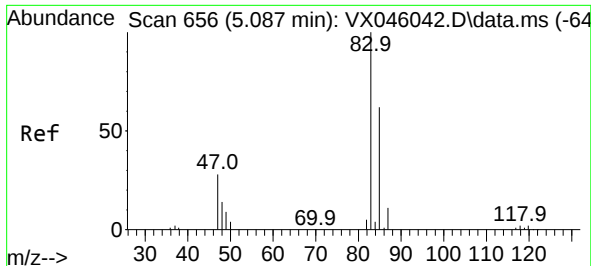
Tgt Ion: 43 Resp: 936
Ion Ratio Lower Upper
43 100
72 26.9 18.4 27.6



#29
Tetrahydrofuran
Concen: 0.772 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.030 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 42 Resp: 323
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.4 47.2#





#30

Chloroform

Concen: 0.425 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX046350.D

Acq: 23 May 2025 17:12

Instrument :

MSVOA_X

ClientSampleId :

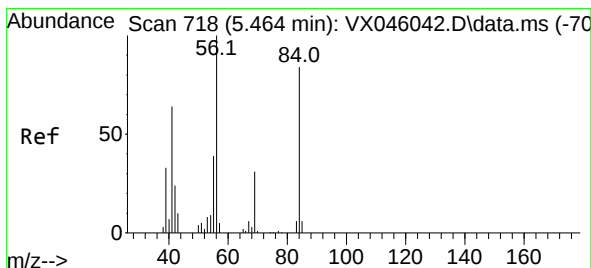
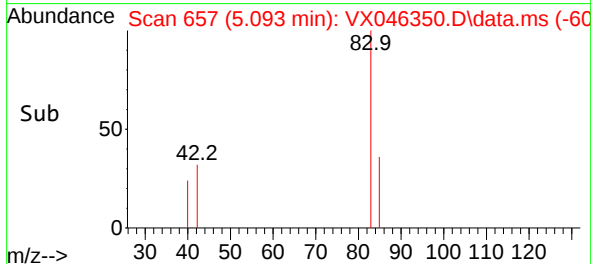
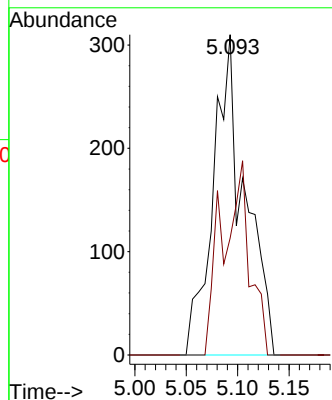
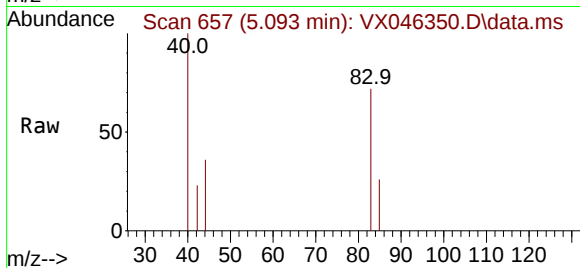
TW-WTS-09

Tgt Ion: 83 Resp: 664

Ion Ratio Lower Upper

83 100

85 36.5 49.3 73.9#



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX046350.D

Acq: 23 May 2025 17:12

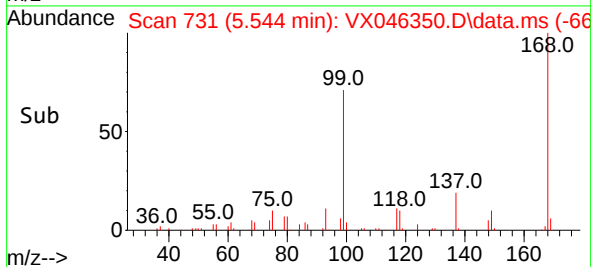
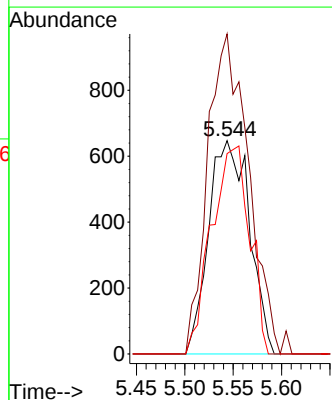
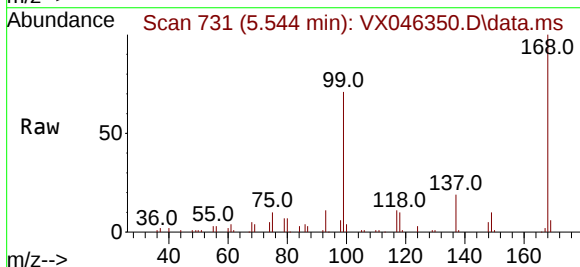
Tgt Ion: 56 Resp: 1897

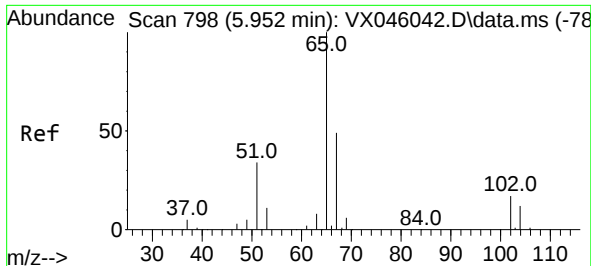
Ion Ratio Lower Upper

56 100

69 150.1 24.4 36.6#

84 94.0 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 56.080 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046350.D

Acq: 23 May 2025 17:12

Instrument :

MSVOA_X

ClientSampleId :

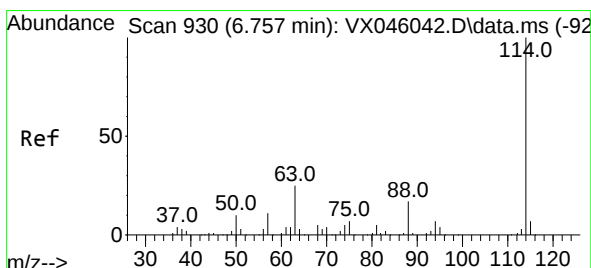
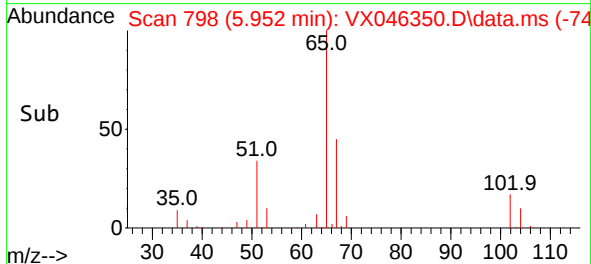
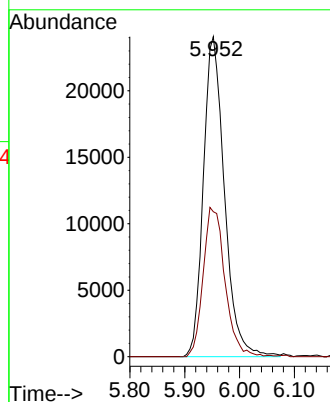
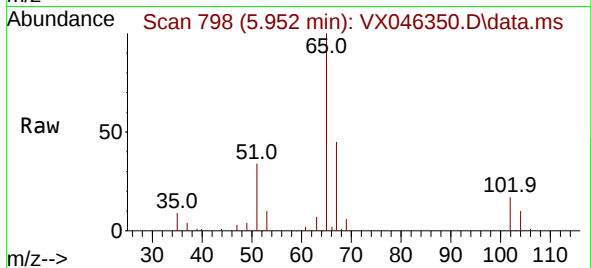
TW-WTS-09

Tgt Ion: 65 Resp: 64289

Ion Ratio Lower Upper

65 100

67 48.2 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046350.D

Acq: 23 May 2025 17:12

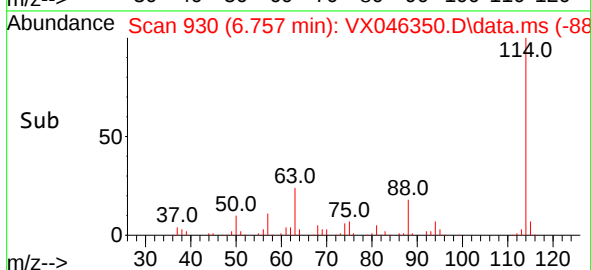
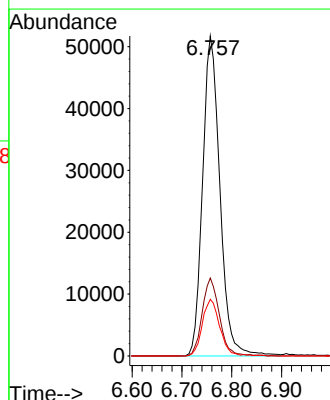
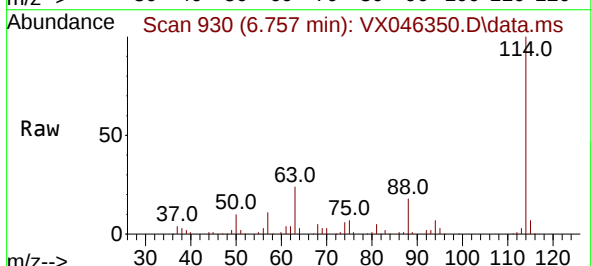
Tgt Ion: 114 Resp: 124971

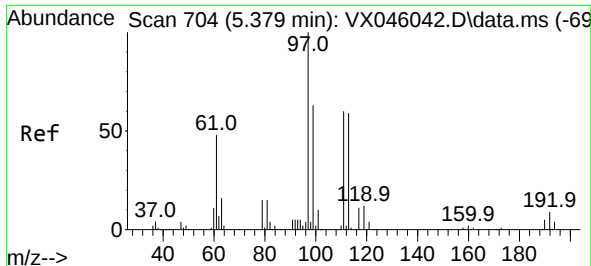
Ion Ratio Lower Upper

114 100

63 24.3 0.0 49.2

88 17.7 0.0 33.6

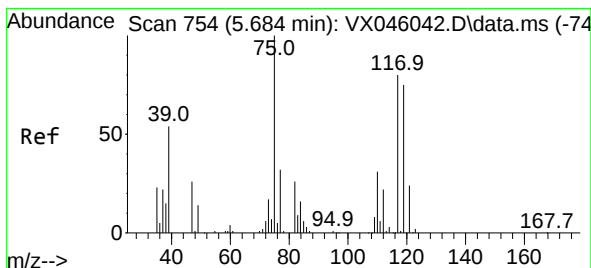
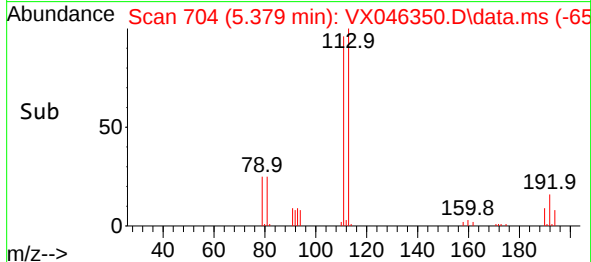
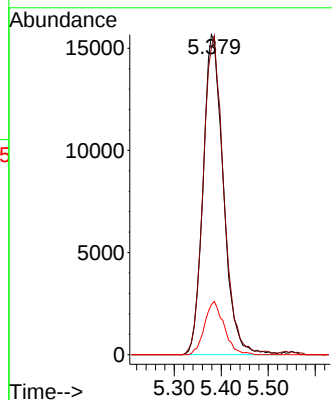
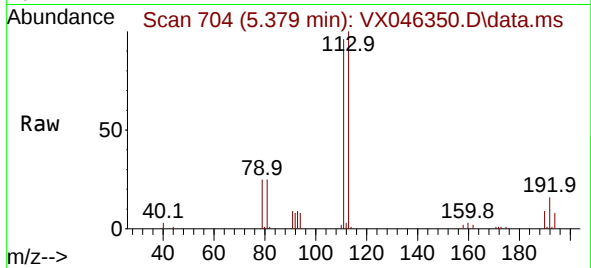




#35
Dibromofluoromethane
Concen: 52.019 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

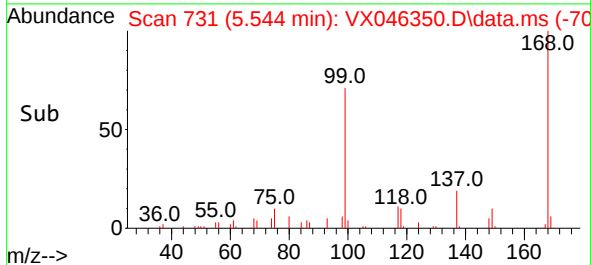
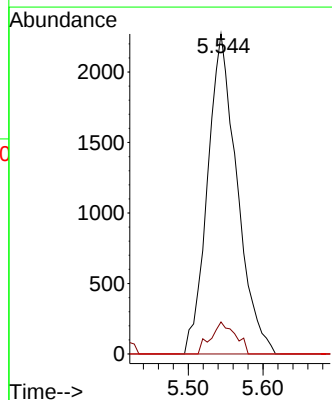
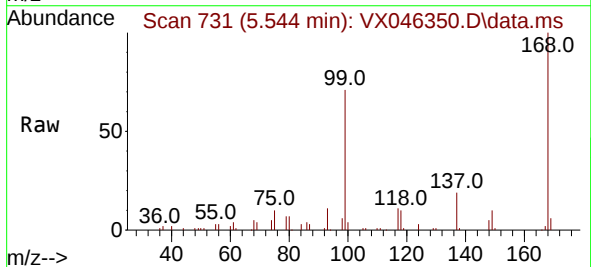
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

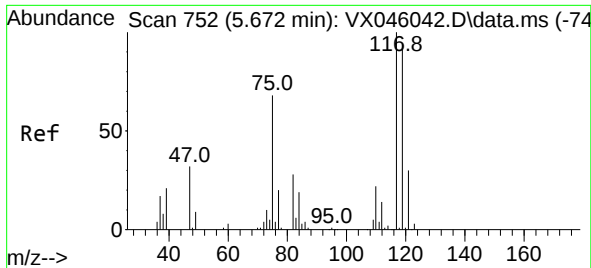
Tgt Ion:113 Resp: 46813
Ion Ratio Lower Upper
113 100
111 100.5 83.1 124.7
192 16.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.153 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

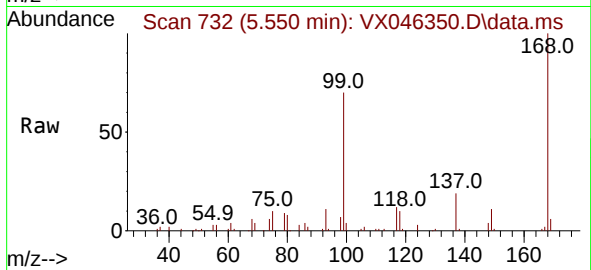
Tgt Ion: 75 Resp: 6231
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



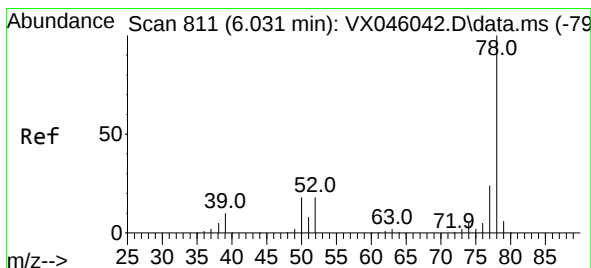
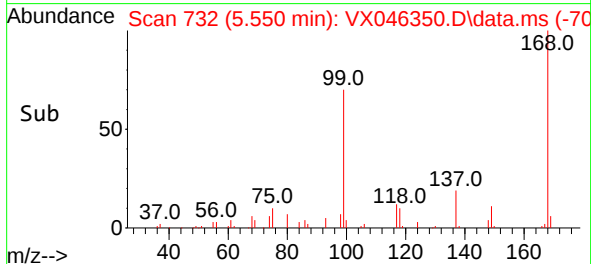
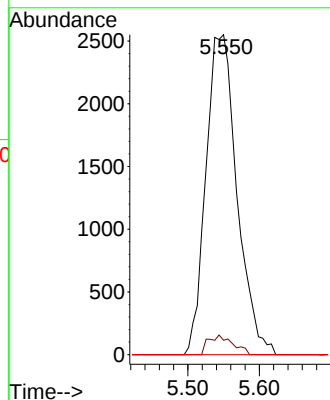


#38
Carbon Tetrachloride
Concen: 5.680 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

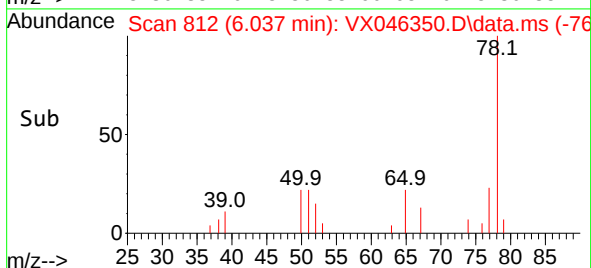
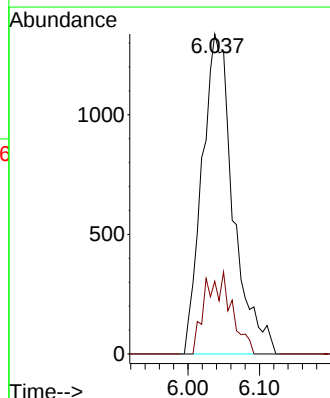
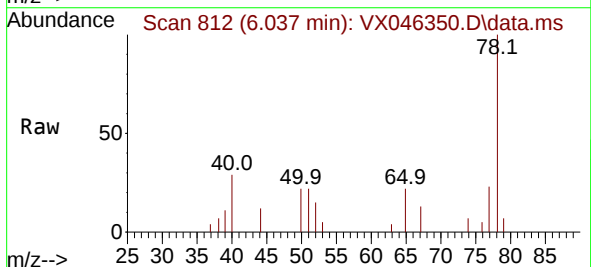


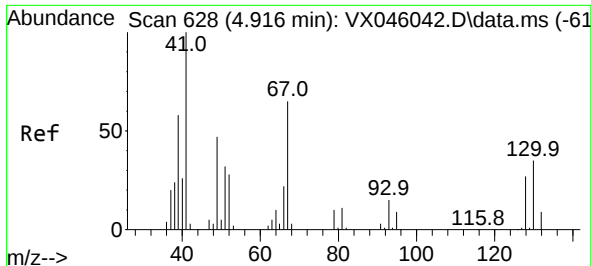
Tgt Ion:117 Resp: 7716
Ion Ratio Lower Upper
117 100
119 4.5 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 1.141 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 78 Resp: 4042
Ion Ratio Lower Upper
78 100
77 22.7 19.0 28.4

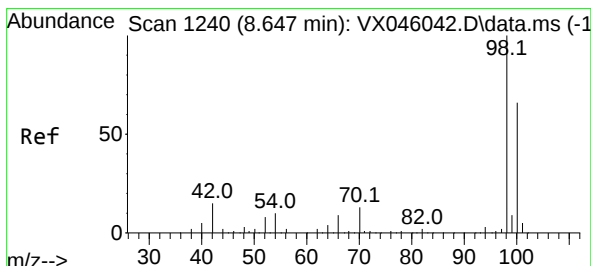
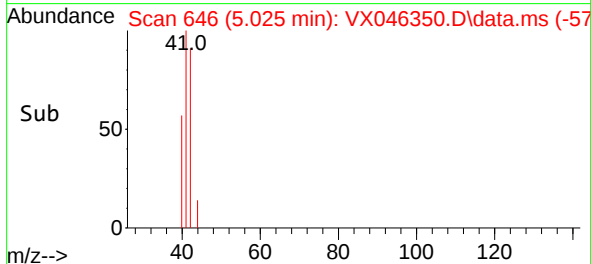
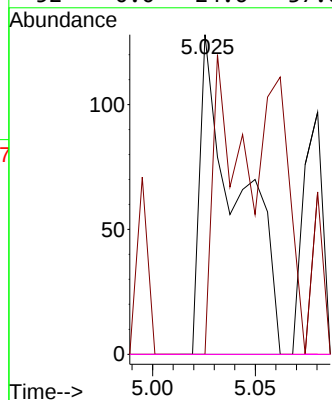
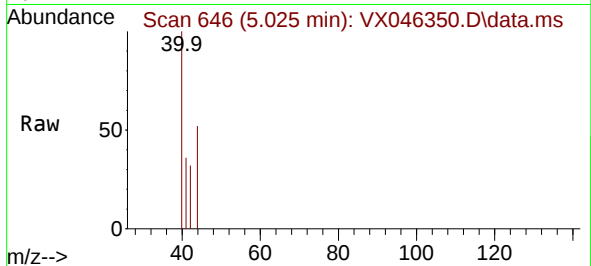




#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

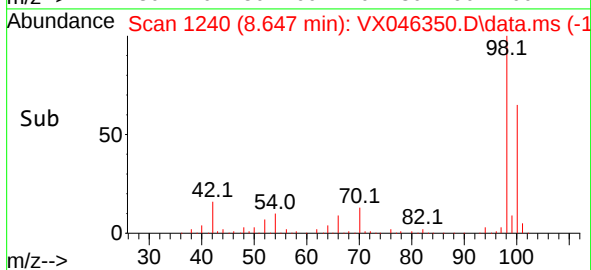
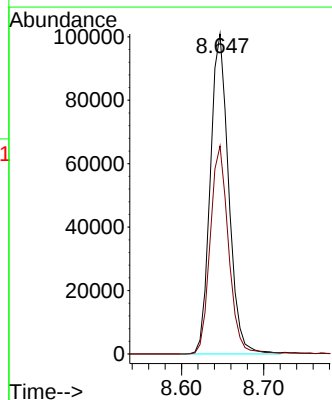
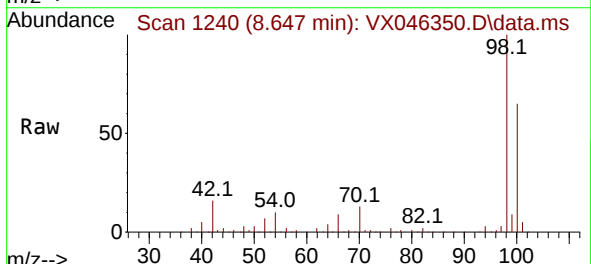
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

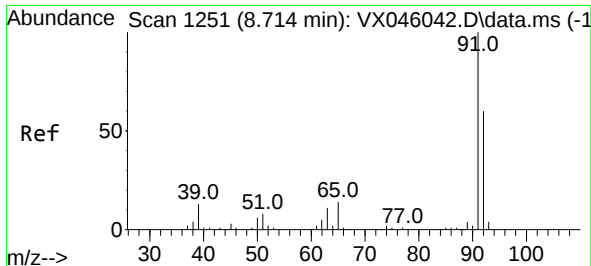
Tgt Ion: 41	Resp: 167
Ion Ratio	Lower Upper
41 100	
39 72.5	47.2 70.8#
67 0.0	50.7 76.1#
52 0.0	24.6 37.0#



#50
Toluene-d8
Concen: 50.325 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 98	Resp: 156749
Ion Ratio	Lower Upper
98 100	
100 65.2	53.5 80.3

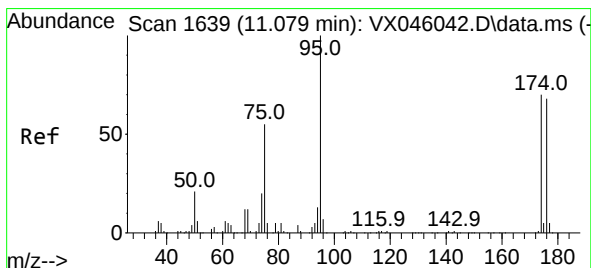
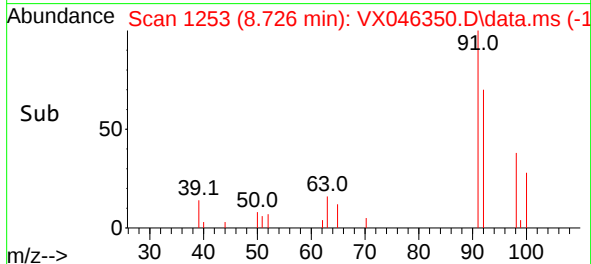
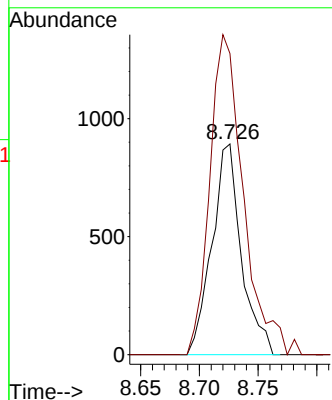
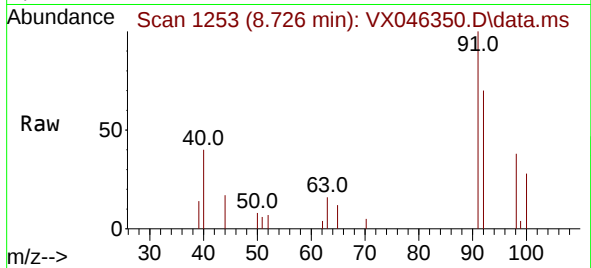




#52
Toluene
Concen: 0.716 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

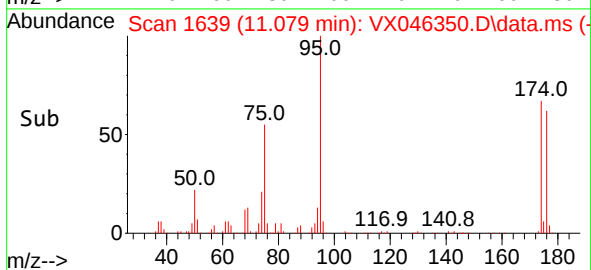
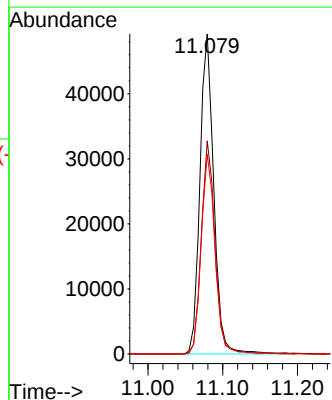
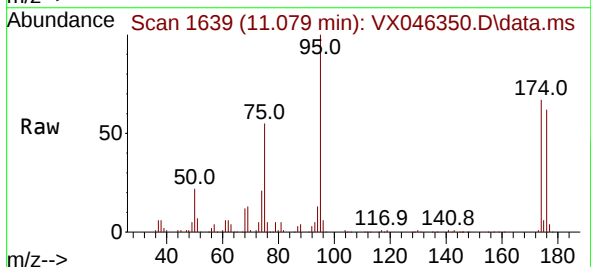
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

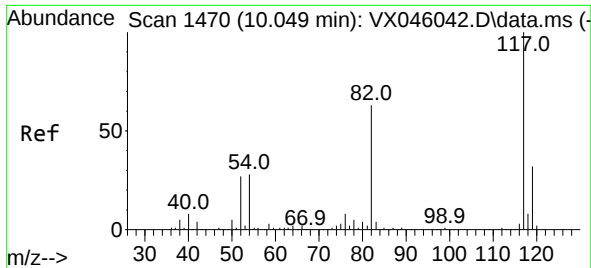
Tgt Ion: 92 Resp: 1555
Ion Ratio Lower Upper
92 100
91 173.8 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 52.864 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 95 Resp: 63161
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.8
176 62.5 0.0 131.4

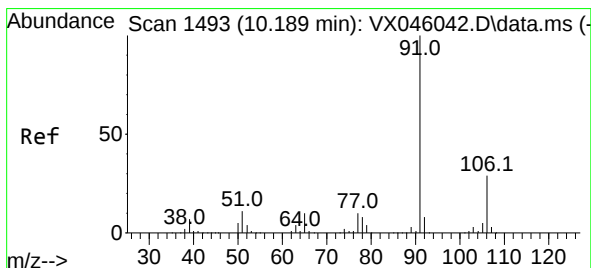
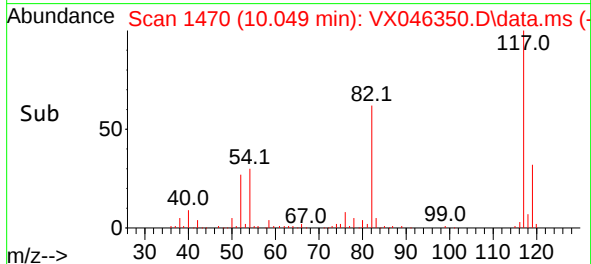
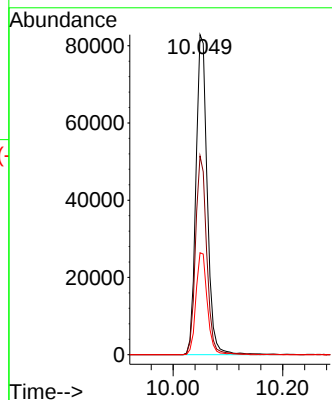
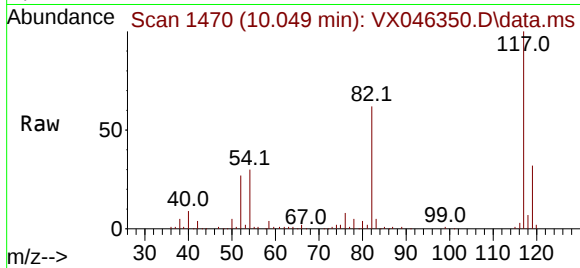




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

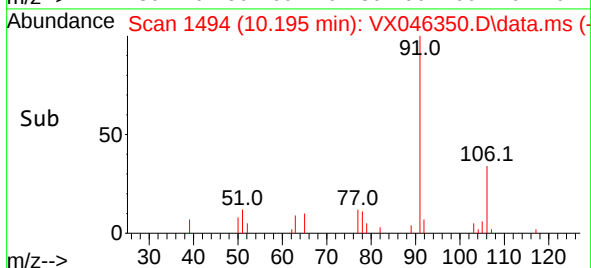
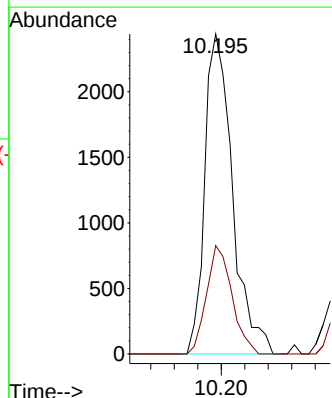
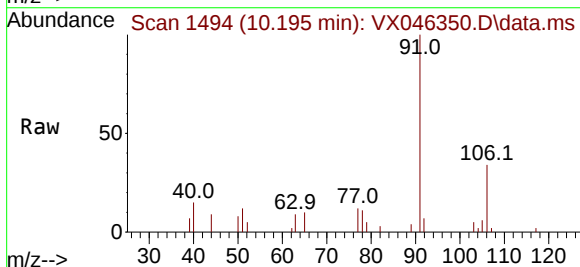
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

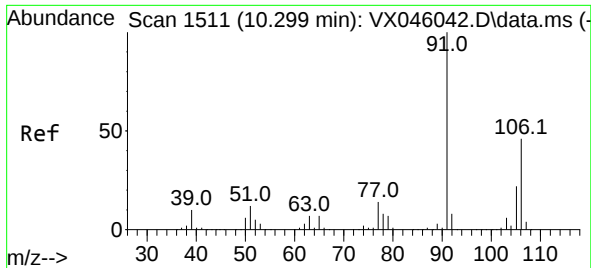
Tgt Ion:117 Resp: 119162
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 31.8 25.8 38.6



#67
Ethyl Benzene
Concen: 0.866 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion: 91 Resp: 3981
Ion Ratio Lower Upper
91 100
106 33.8 23.4 35.2

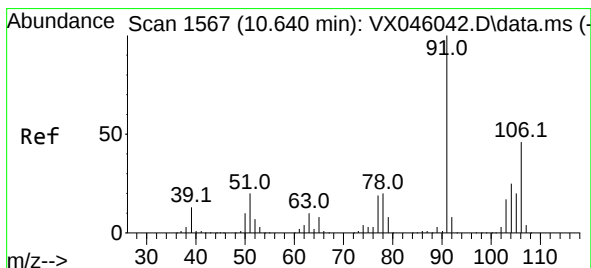
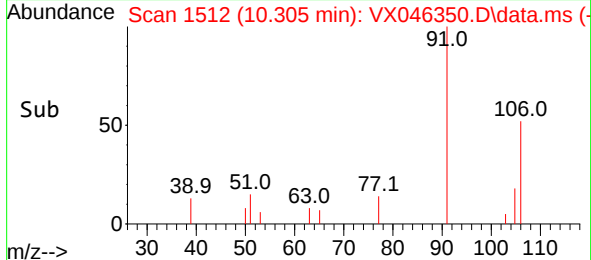
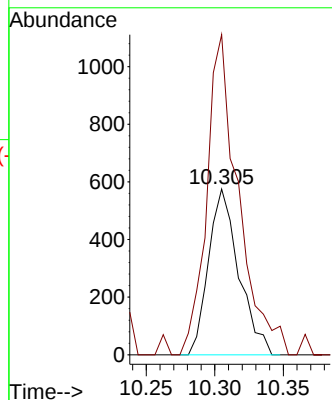
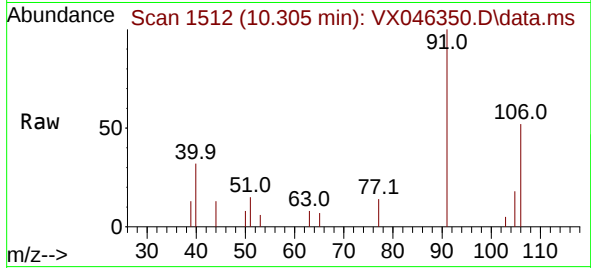




#68
m/p-Xylenes
Concen: 0.526 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

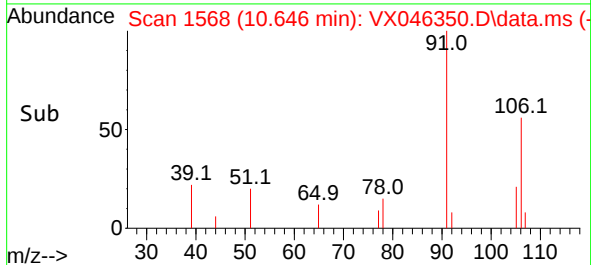
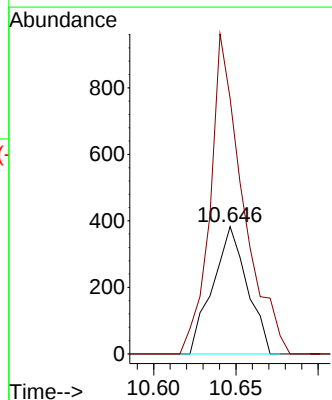
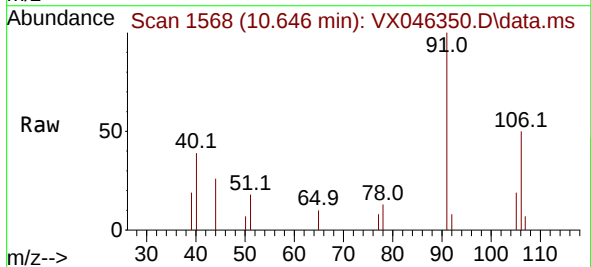
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09

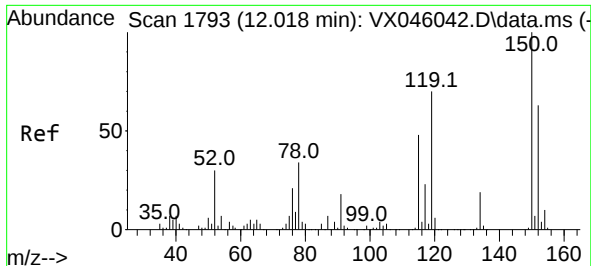
Tgt Ion:106 Resp: 885
Ion Ratio Lower Upper
106 100
91 201.9 171.2 256.8



#69
o-Xylene
Concen: 0.341 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Tgt Ion:106 Resp: 559
Ion Ratio Lower Upper
106 100
91 237.0 112.7 338.1

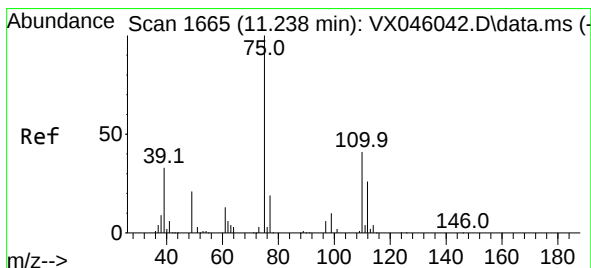
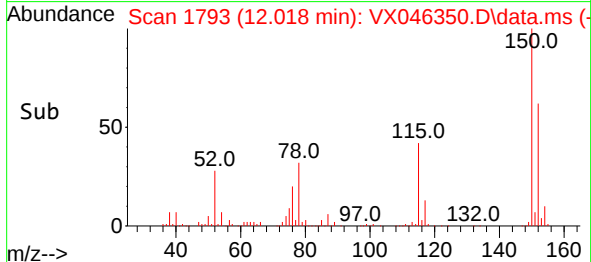
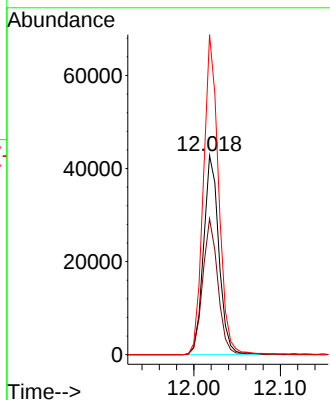
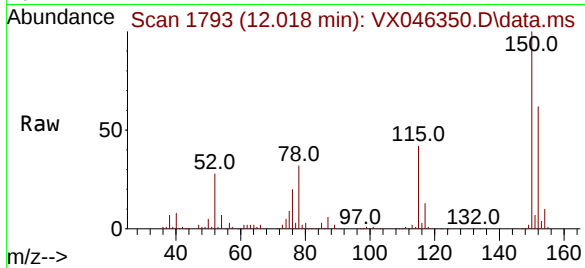




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046350.D
 Acq: 23 May 2025 17:12

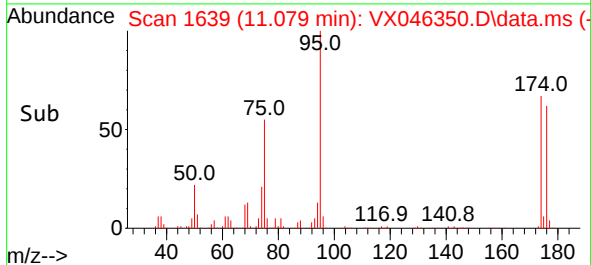
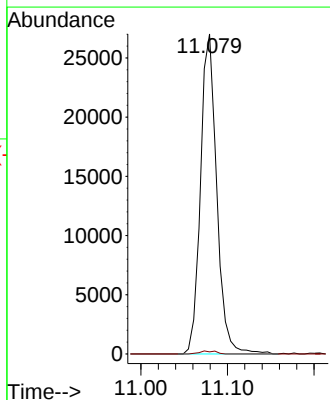
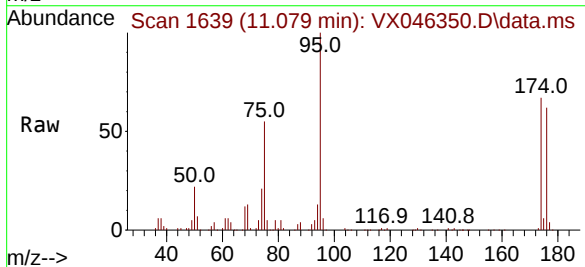
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-09

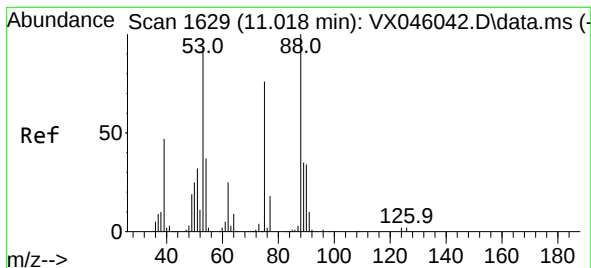
Tgt Ion:152 Resp: 52858
 Ion Ratio Lower Upper
 152 100
 115 67.7 46.9 140.7
 150 159.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.642 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046350.D
 Acq: 23 May 2025 17:12

Tgt Ion: 75 Resp: 35170
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.5 61.5#

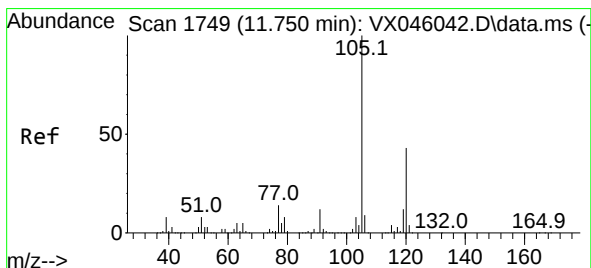
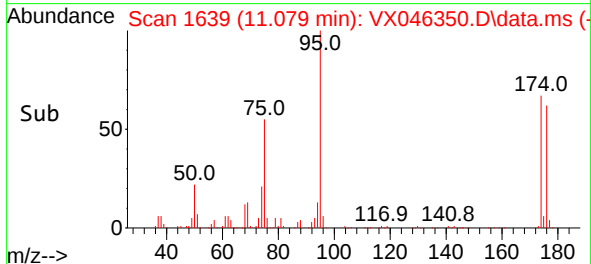
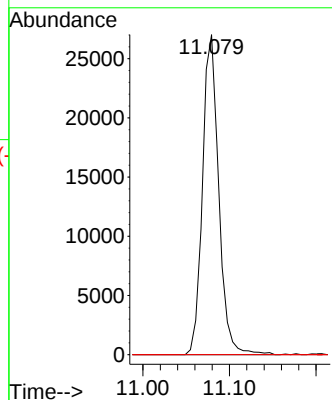
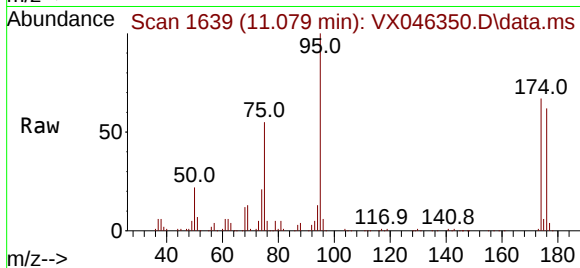




#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.995 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046350.D
 Acq: 23 May 2025 17:12

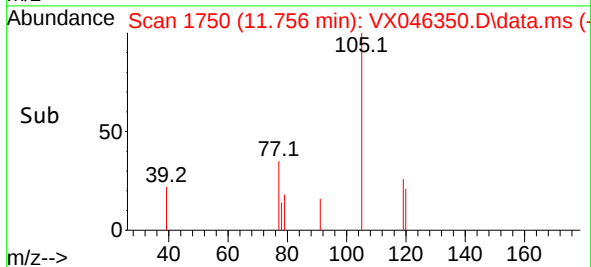
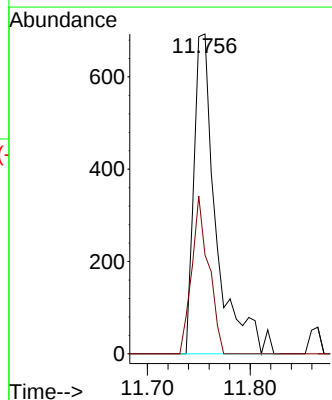
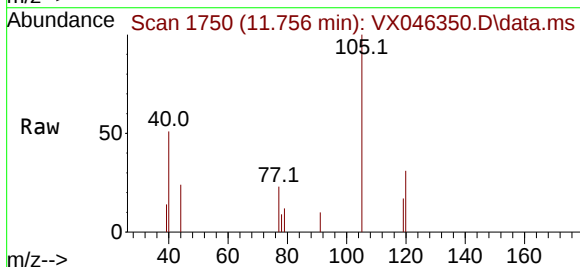
Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-09

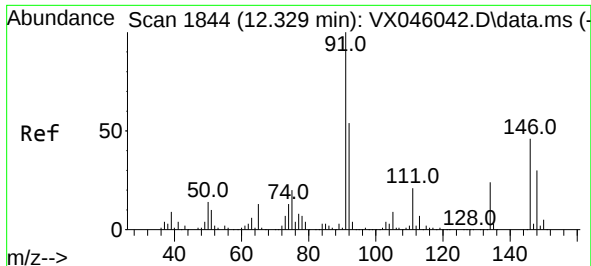
Tgt Ion: 75 Resp: 35170
 Ion Ratio Lower Upper
 75 100
 53 0.0 100.5 150.7#
 89 0.0 37.0 55.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.301 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX046350.D
 Acq: 23 May 2025 17:12

Tgt Ion: 105 Resp: 1049
 Ion Ratio Lower Upper
 105 100
 120 37.3 21.2 63.6





#89

n-Butylbenzene

Concen: 0.364 ug/l

RT: 12.244 min Scan# 11

Delta R.T. -0.085 min

Lab File: VX046350.D

Acq: 23 May 2025 17:12

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-09

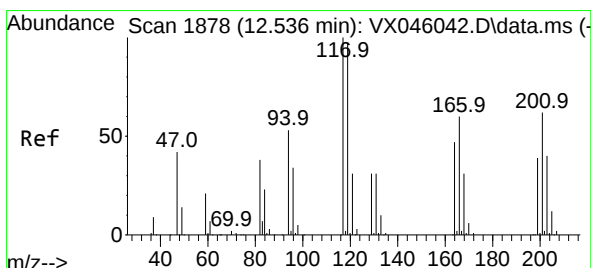
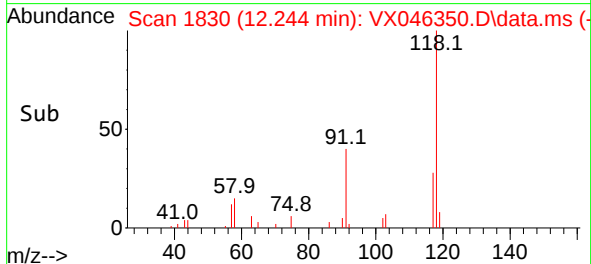
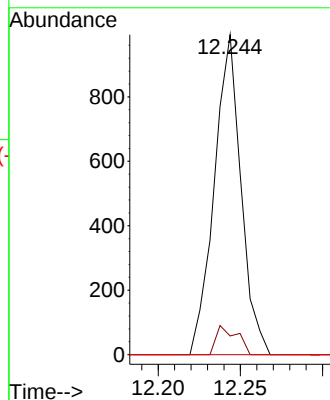
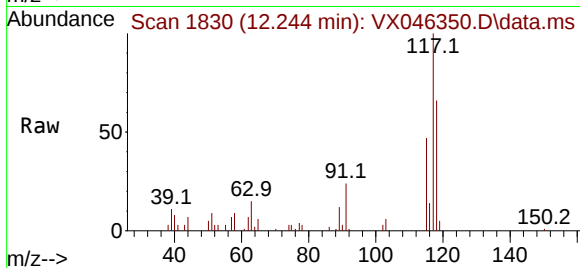
Tgt Ion: 91 Resp: 1122

Ion Ratio Lower Upper

91 100

92 7.0 26.9 80.7#

134 0.0 11.8 35.3#



#90

Hexachloroethane

Concen: 0.621 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.158 min

Lab File: VX046350.D

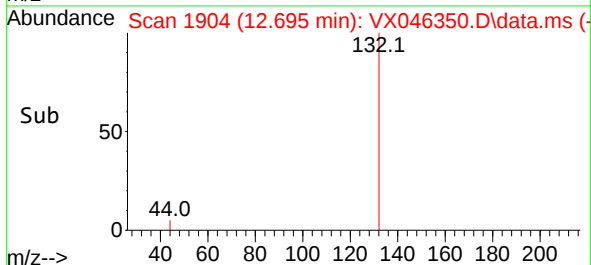
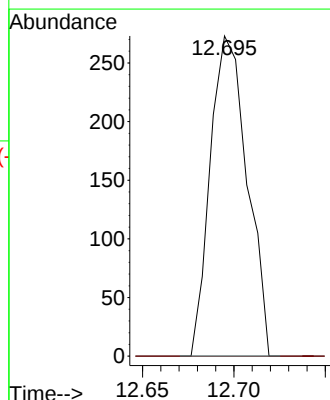
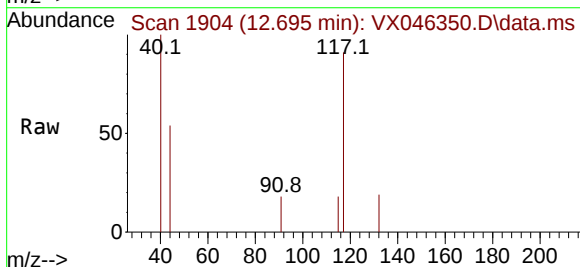
Acq: 23 May 2025 17:12

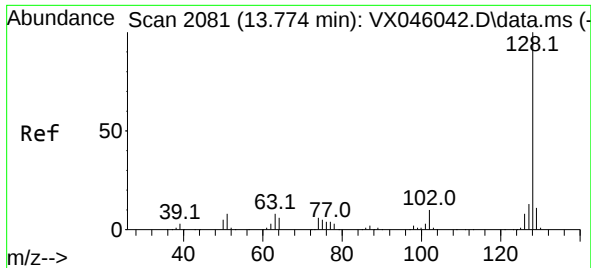
Tgt Ion: 117 Resp: 384

Ion Ratio Lower Upper

117 100

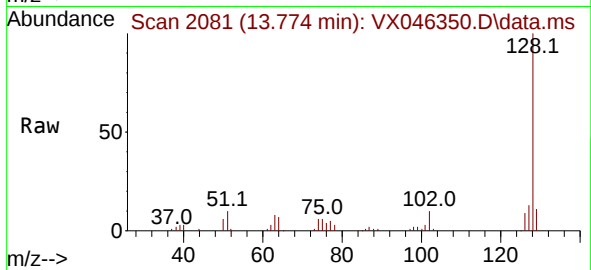
201 0.0 31.6 94.7#





#95
Naphthalene
Concen: 5.780 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046350.D
Acq: 23 May 2025 17:12

Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-09



Tgt Ion:128 Resp: 21304
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.6 8.6 13.0

