

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046981.D
 Acq On : 14 Jul 2025 17:53
 Operator : JC/MD
 Sample : Q2579-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-13-G

Quant Time: Jul 15 01:25:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

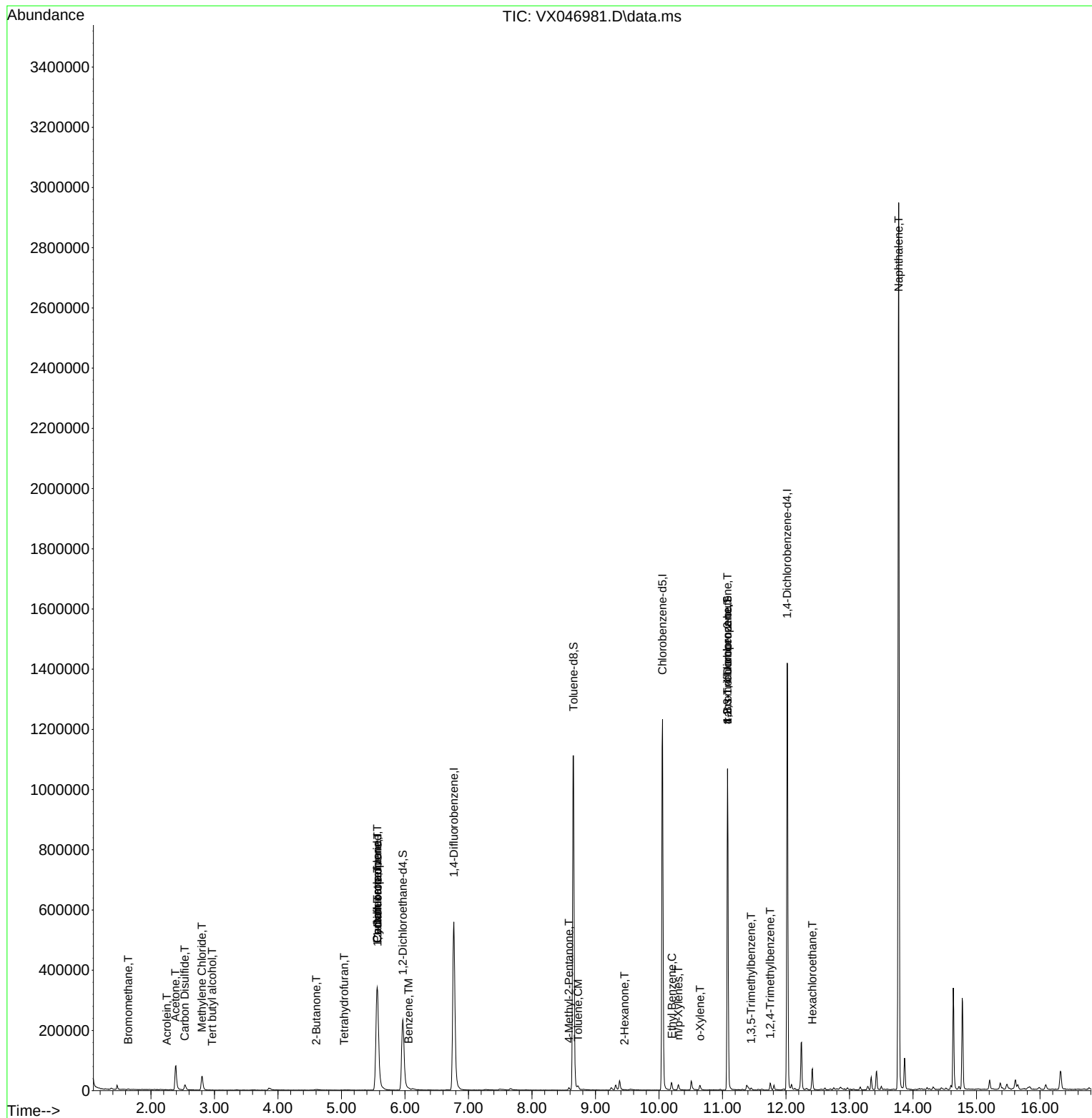
Internal Standards						
1) Pentafluorobenzene	5.562	168	354879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	603011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	285450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	245018	52.262	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.520%	
35) Dibromofluoromethane	5.544	113	226	0.055	ug/l	0.15
Spiked Amount	50.000	Range	75 - 124	Recovery	= 0.120%#	
50) Toluene-d8	8.653	98	699230	48.417	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.840%	
62) 4-Bromofluorobenzene	11.079	95	285220	51.965	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.920%	
Target Compounds						Qvalue
5) Bromomethane	1.642	94	954	0.368	ug/l	86
11) Tert butyl alcohol	2.965	59	220	0.715	ug/l #	59
13) Acrolein	2.252	56	92	3.103	ug/l #	65
16) Acetone	2.386	43	101530	69.719	ug/l	93
17) Carbon Disulfide	2.532	76	3865	0.383	ug/l	95
20) Methylene Chloride	2.800	84	22186	5.152	ug/l	96
25) 2-Butanone	4.605	43	2628	1.353	ug/l #	86
29) Tetrahydrofuran	5.044	42	366	0.296	ug/l #	48
31) Cyclohexane	5.562	56	6821	1.018	ug/l #	16
36) 1,1-Dichloropropene	5.568	75	27846	5.042	ug/l #	50
38) Carbon Tetrachloride	5.562	117	36651	6.277	ug/l #	15
40) Benzene	6.056	78	3902	0.234	ug/l	94
51) 4-Methyl-2-Pentanone	8.580	43	5052	1.188	ug/l	97
52) Toluene	8.726	92	3926	0.379	ug/l	88
59) 2-Hexanone	9.458	43	1379	0.489	ug/l	62
67) Ethyl Benzene	10.201	91	15375	0.755	ug/l	94
68) m/p-Xylenes	10.305	106	4626	0.603	ug/l	97
69) o-Xylene	10.647	106	3902	0.527	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	145551	33.000	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.451	105	3344	0.205	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	145551	88.556	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	10226	0.620	ug/l	95
90) Hexachloroethane	12.415	117	2968	0.942	ug/l #	14
95) Naphthalene	13.774	128	1724711	106.357	ug/l	100

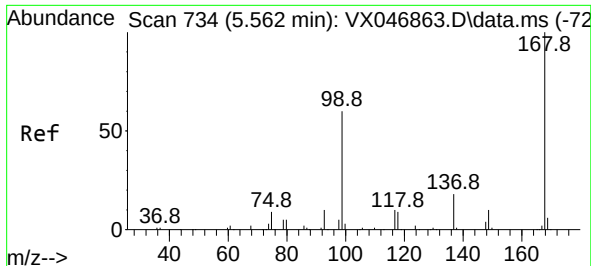
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

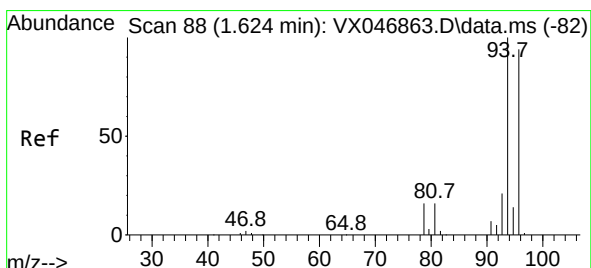
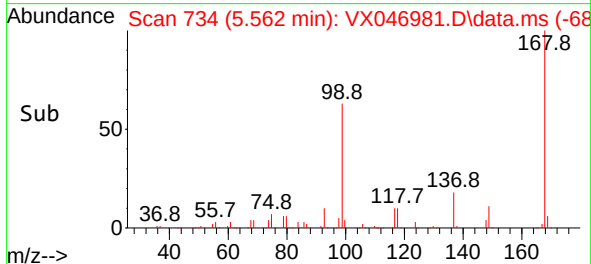
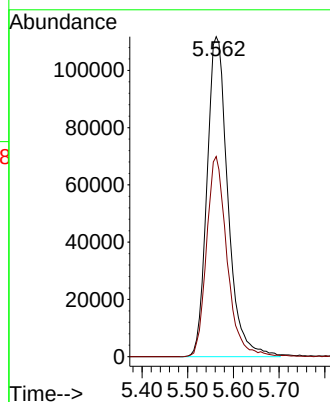
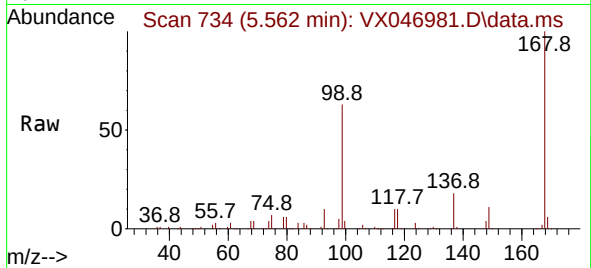




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

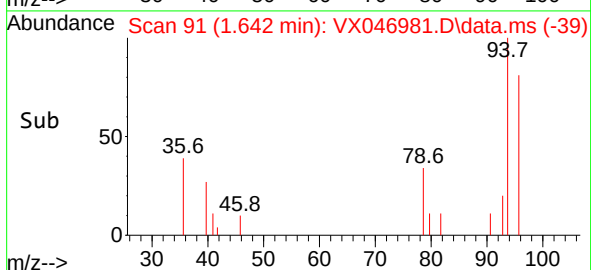
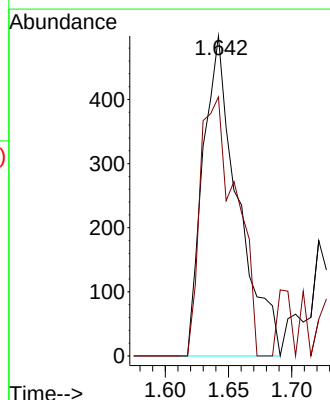
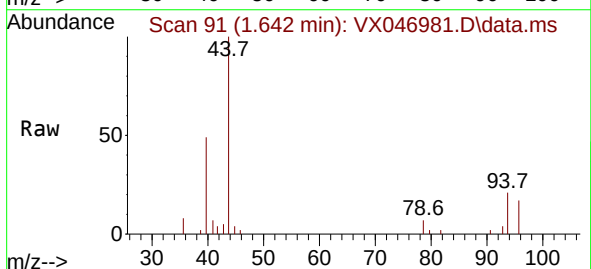
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

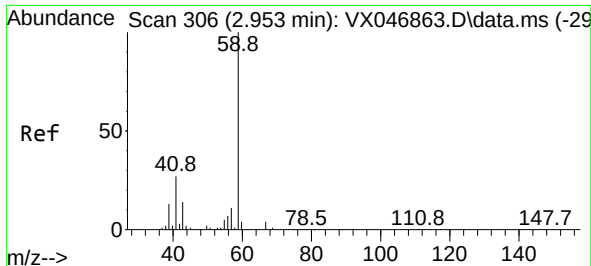
Tgt Ion:168 Resp: 354879
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#5
Bromomethane
Concen: 0.368 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 94 Resp: 954
Ion Ratio Lower Upper
94 100
96 81.0 75.5 113.3





#11

Tert butyl alcohol

Concen: 0.715 ug/l

RT: 2.965 min Scan# 306

Delta R.T. 0.012 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

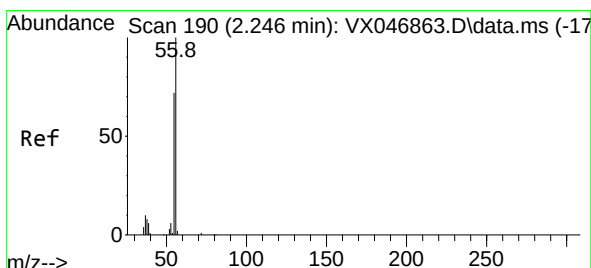
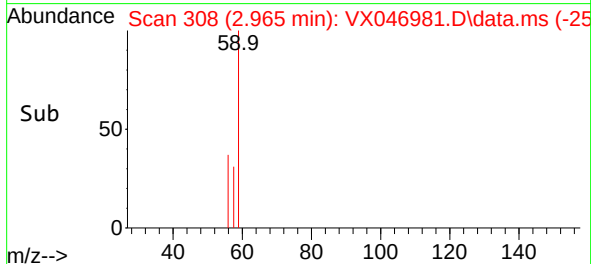
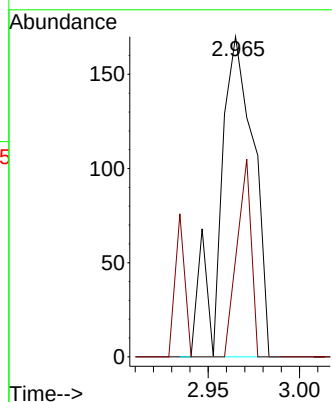
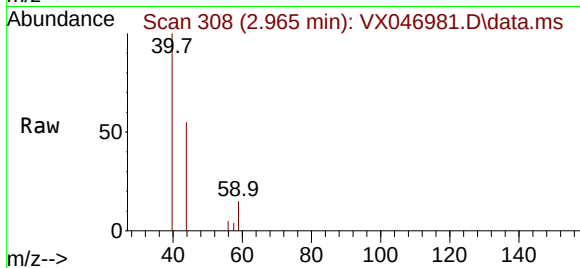
WC-A2-13-G

Tgt Ion: 59 Resp: 220

Ion Ratio Lower Upper

59 100

57 25.9 8.5 12.7#



#13

Acrolein

Concen: 3.103 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.006 min

Lab File: VX046981.D

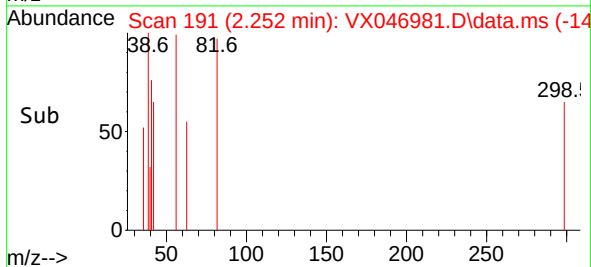
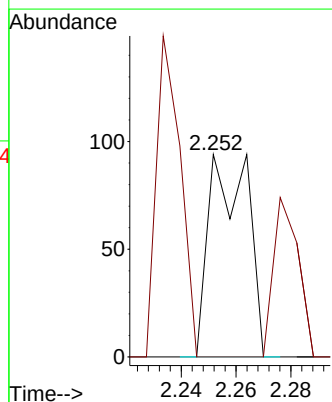
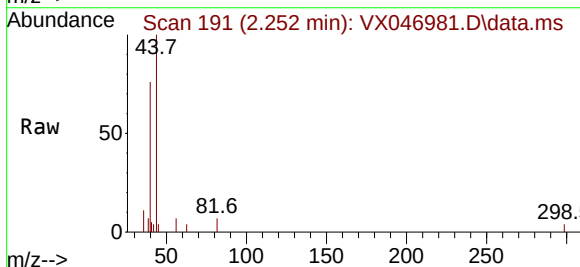
Acq: 14 Jul 2025 17:53

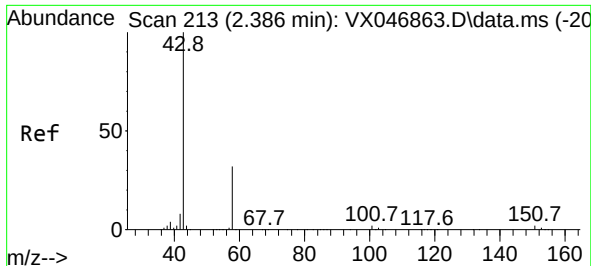
Tgt Ion: 56 Resp: 92

Ion Ratio Lower Upper

56 100

55 97.8 55.5 83.3#

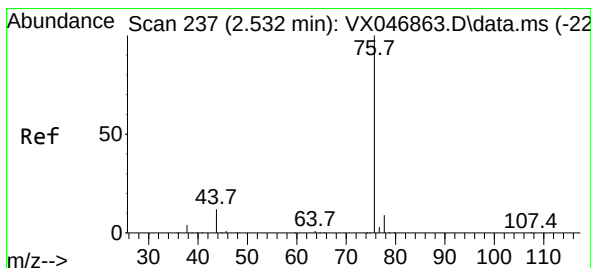
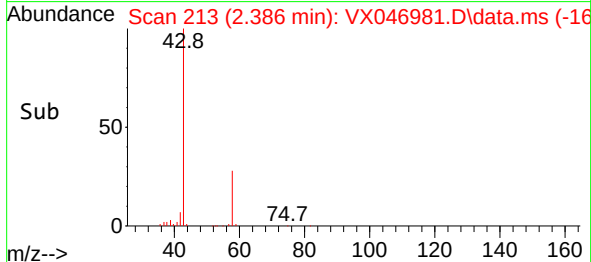
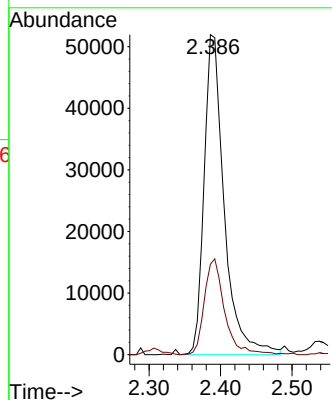
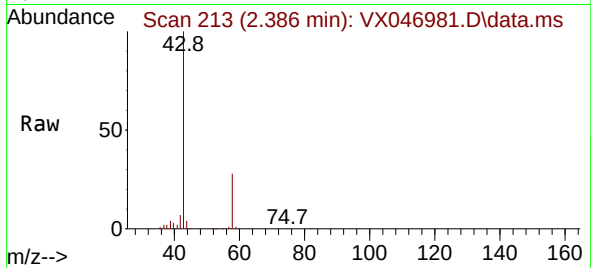




#16
Acetone
Concen: 69.719 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

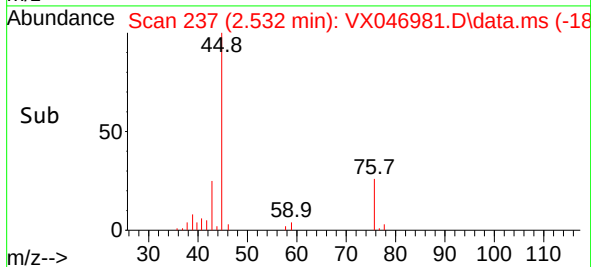
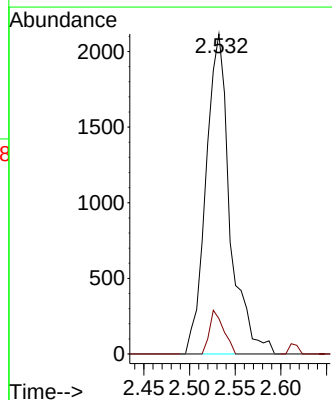
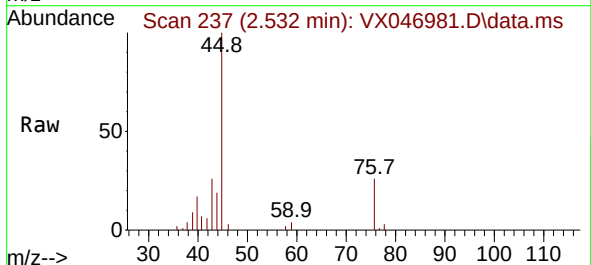
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

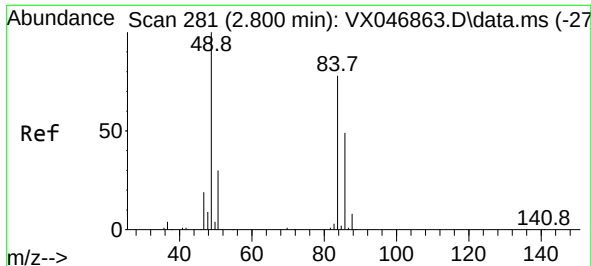
Tgt Ion: 43 Resp: 101530
Ion Ratio Lower Upper
43 100
58 28.3 25.8 38.6



#17
Carbon Disulfide
Concen: 0.383 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 76 Resp: 3865
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.2

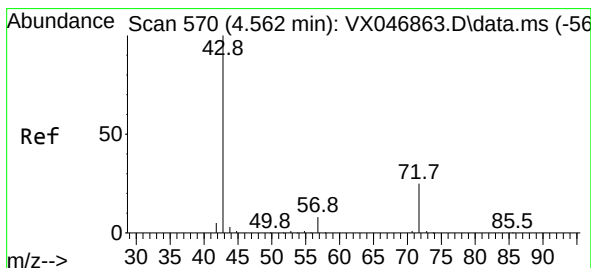
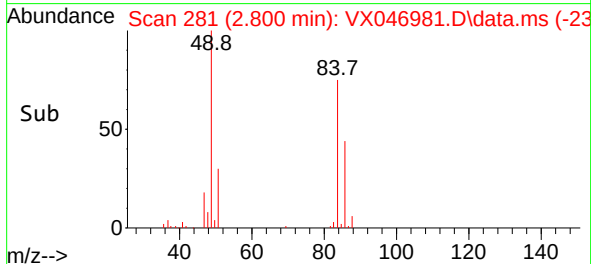
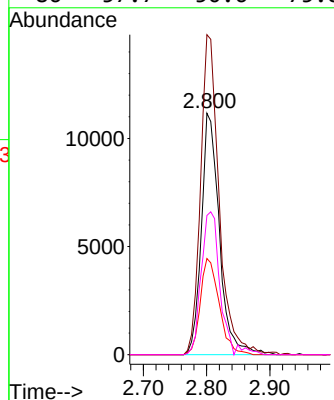
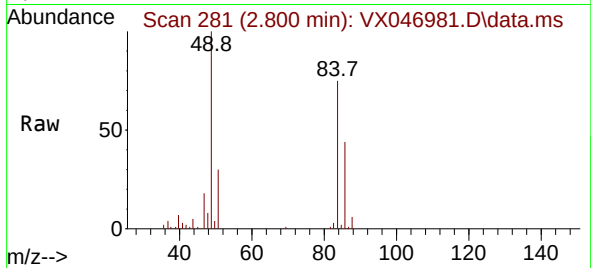




#20
Methylene Chloride
Concen: 5.152 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

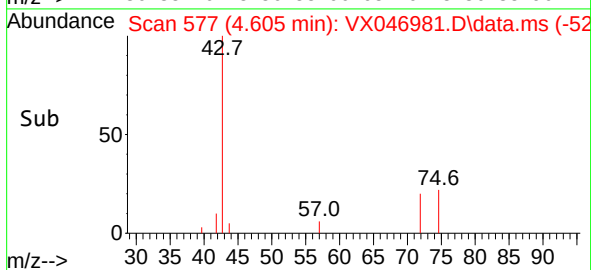
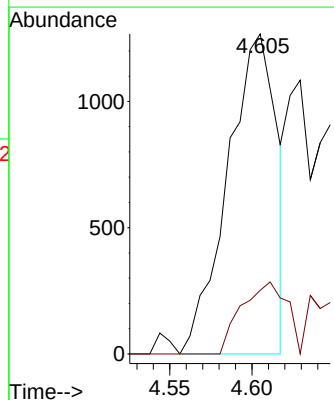
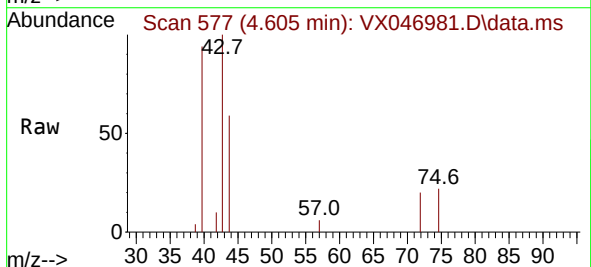
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

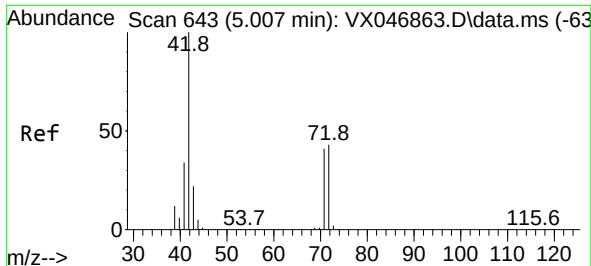
Tgt Ion:	84	Resp:	22186
Ion	Ratio	Lower	Upper
84	100		
49	132.6	102.8	154.2
51	39.8	31.1	46.7
86	57.7	50.6	75.8



#25
2-Butanone
Concen: 1.353 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.043 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion:	43	Resp:	2628
Ion	Ratio	Lower	Upper
43	100		
72	17.9	20.0	30.0#





#29

Tetrahydrofuran

Concen: 0.296 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.037 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-13-G

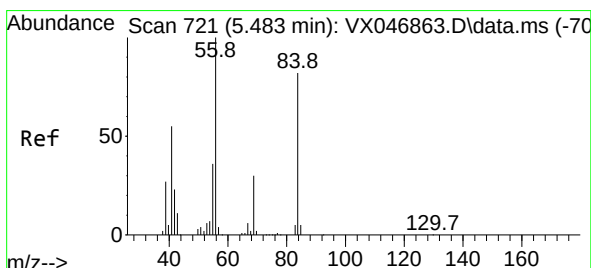
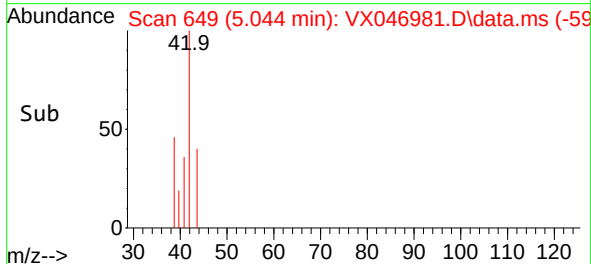
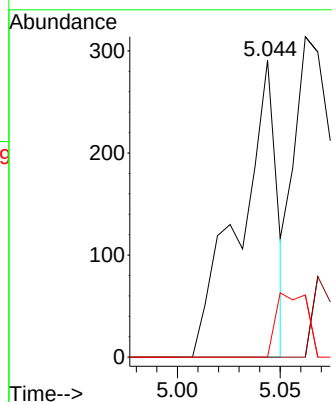
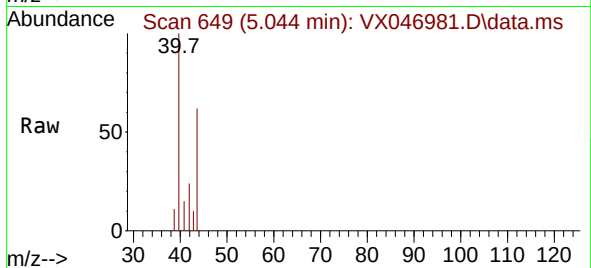
Tgt Ion: 42 Resp: 366

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 18.0 31.9 47.9#



#31

Cyclohexane

Concen: 1.018 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.079 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

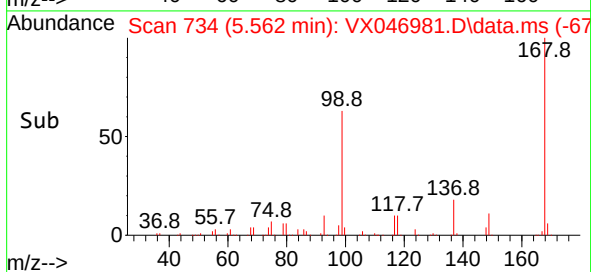
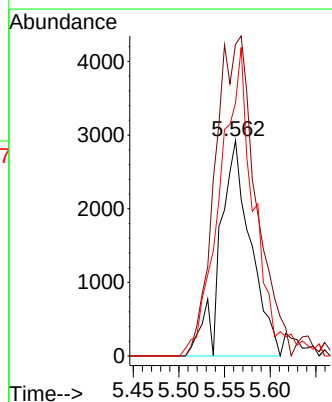
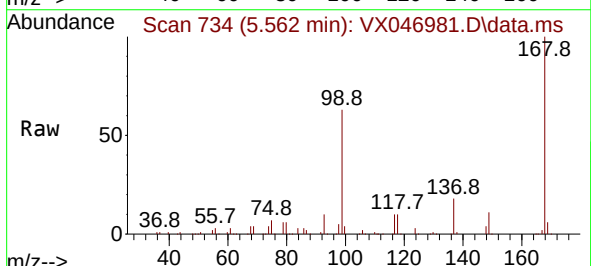
Tgt Ion: 56 Resp: 6821

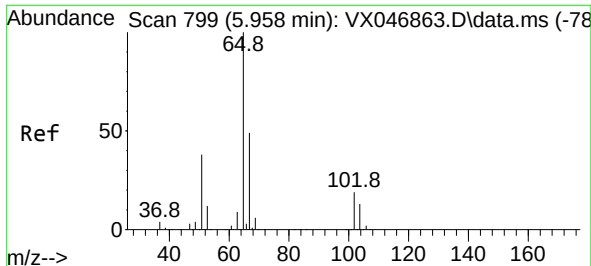
Ion Ratio Lower Upper

56 100

69 144.8 24.0 36.0#

84 117.6 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 52.262 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

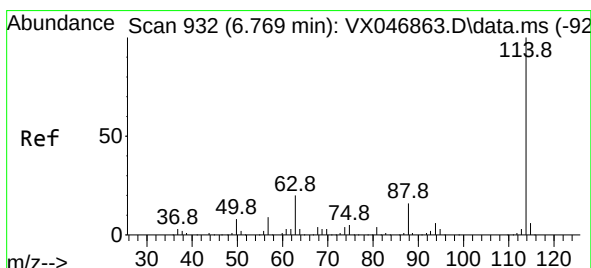
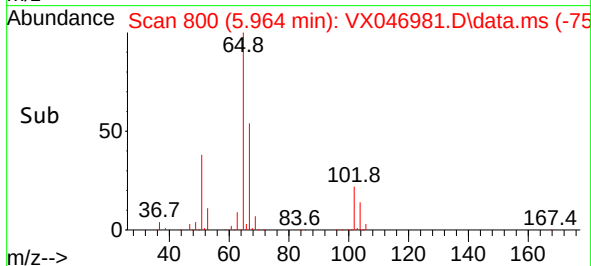
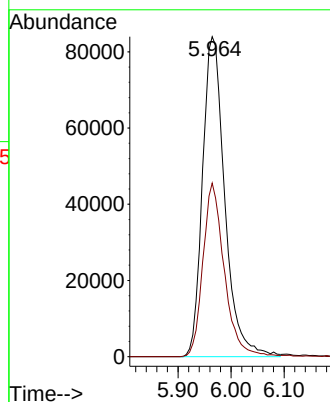
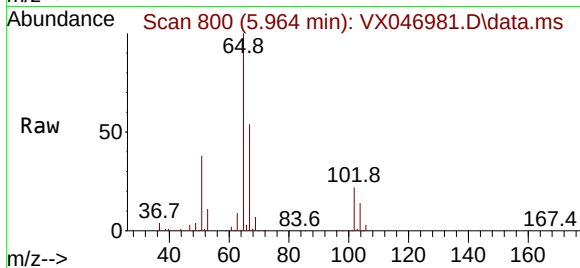
WC-A2-13-G

Tgt Ion: 65 Resp: 245018

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

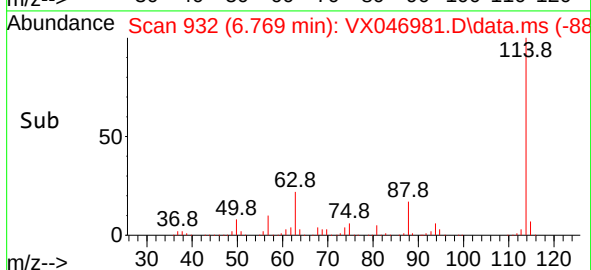
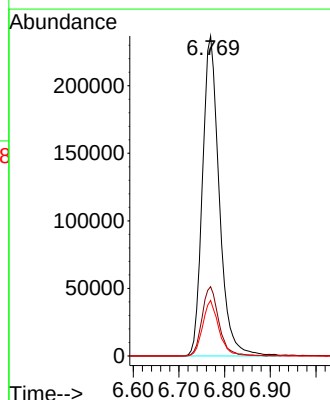
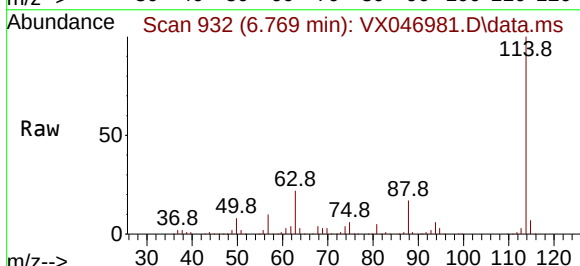
Tgt Ion: 114 Resp: 603011

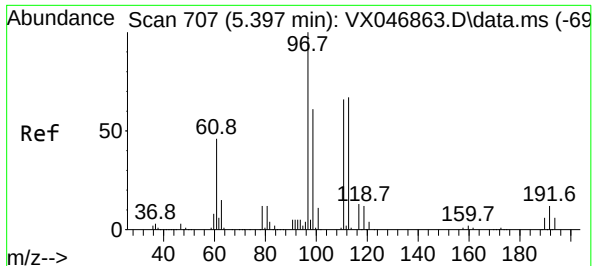
Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.4

88 17.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 0.055 ug/l

RT: 5.544 min Scan# 71

Delta R.T. 0.146 min

Lab File: VX046981.D

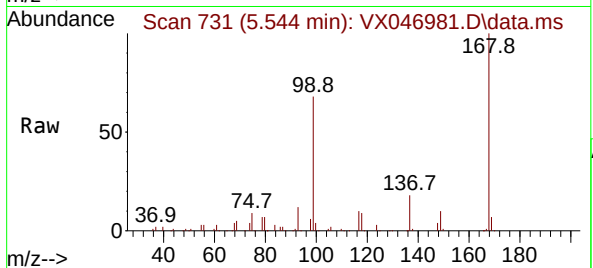
Acq: 14 Jul 2025 17:53

Instrument :

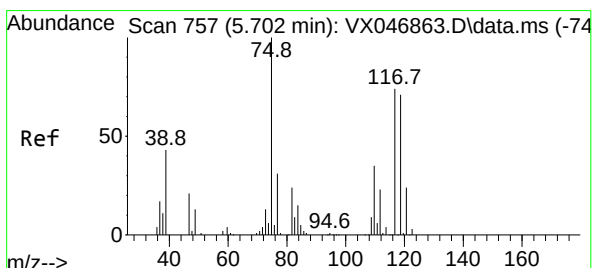
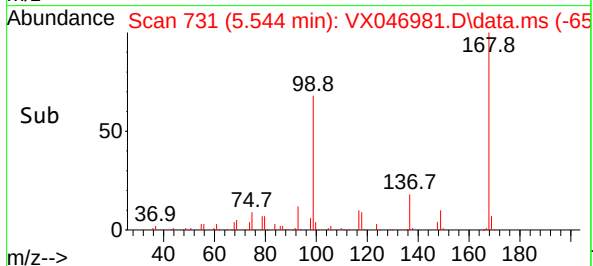
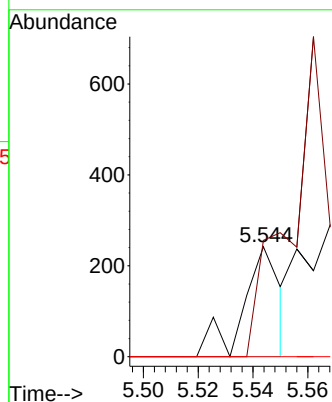
MSVOA_X

ClientSampleId :

WC-A2-13-G



Tgt Ion:	113	Resp:	226
Ion	Ratio	Lower	Upper
113	100		
111	0.0	81.2	121.8#
192	0.0	15.3	22.9#



#36

1,1-Dichloropropene

Concen: 5.042 ug/l

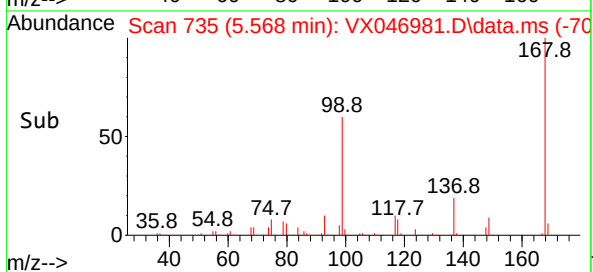
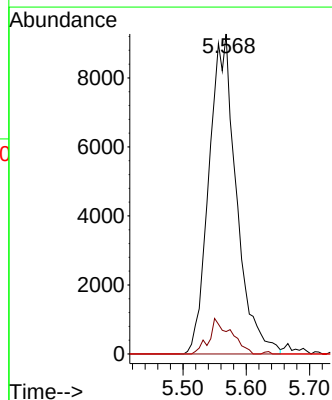
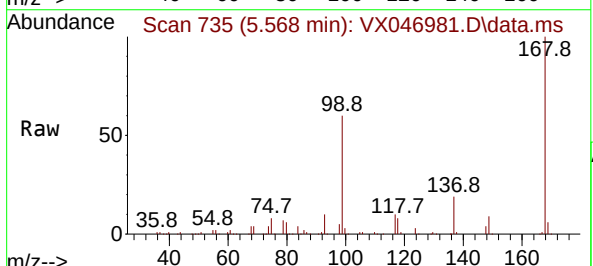
RT: 5.568 min Scan# 735

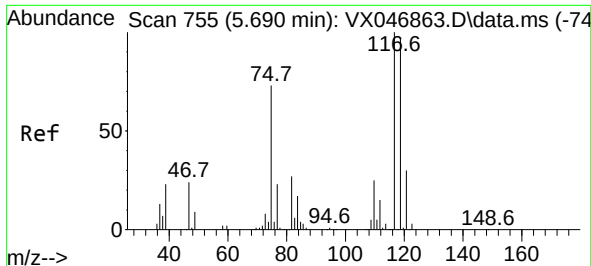
Delta R.T. -0.134 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Tgt Ion:	75	Resp:	27846
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.3	51.9#
77	0.0	24.2	36.4#

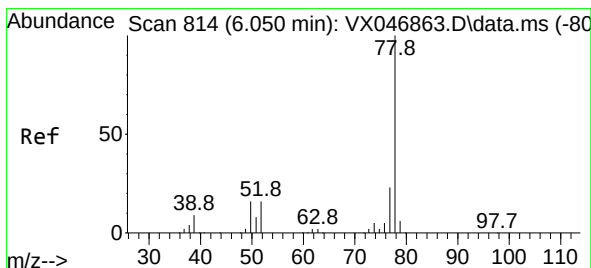
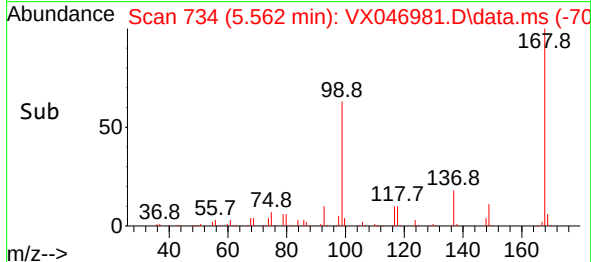
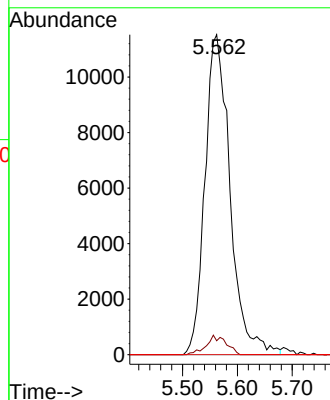
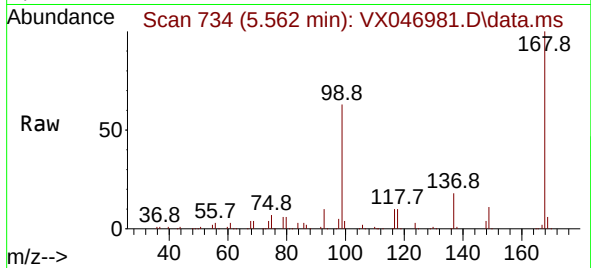




#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

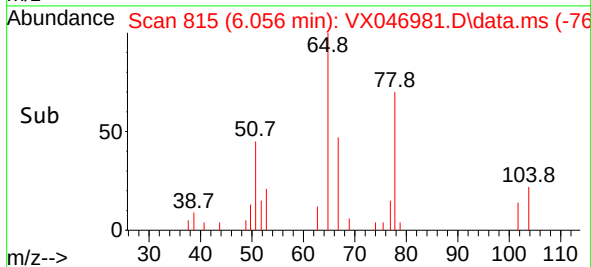
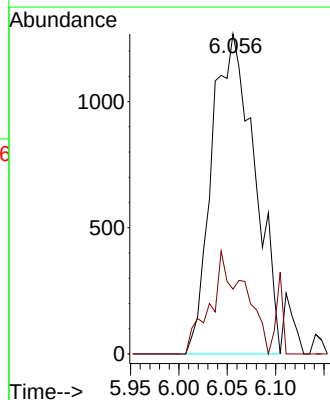
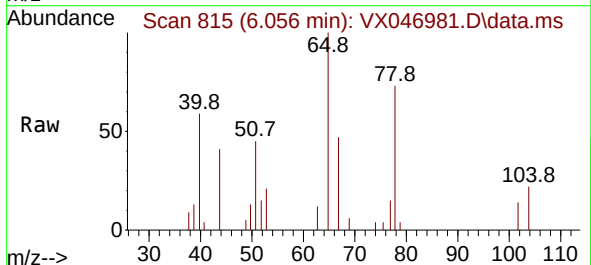
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

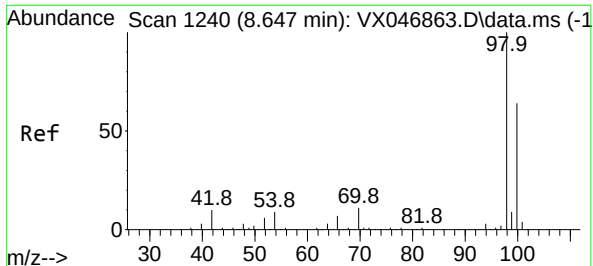
Tgt Ion:117 Resp: 36651
Ion Ratio Lower Upper
117 100
119 4.3 76.6 114.8#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.234 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.006 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 78 Resp: 3902
Ion Ratio Lower Upper
78 100
77 20.3 18.7 28.1

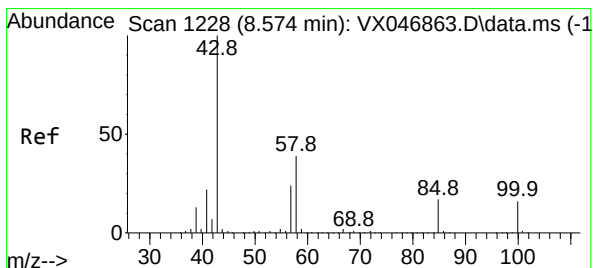
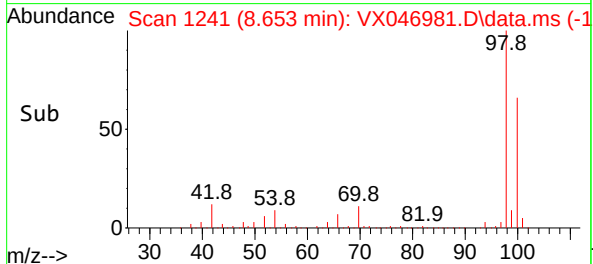
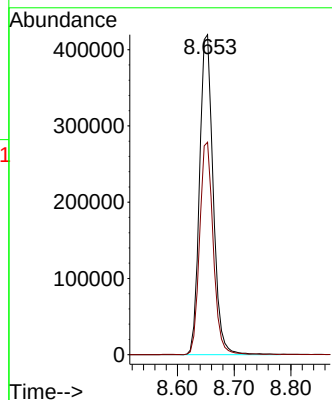
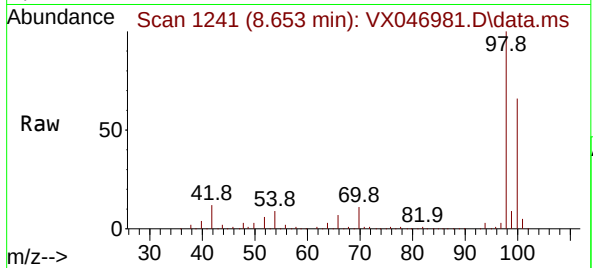




#50
Toluene-d8
Concen: 48.417 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

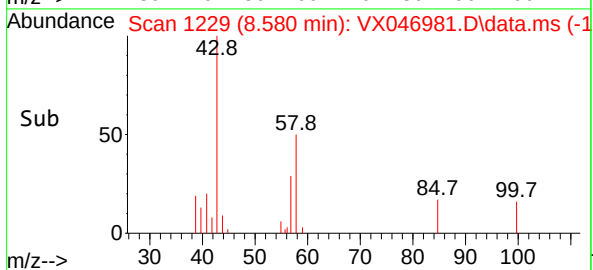
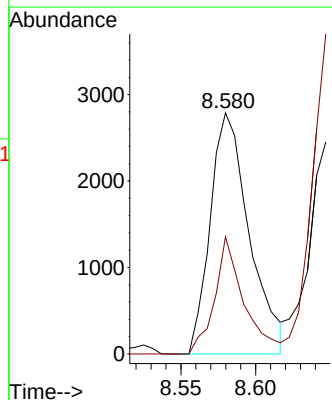
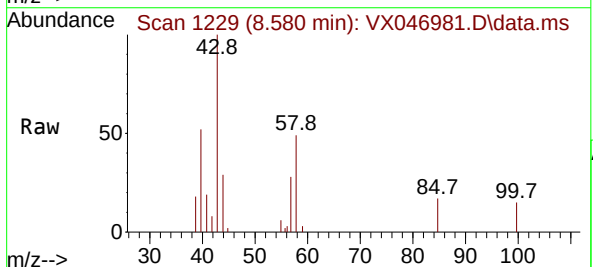
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

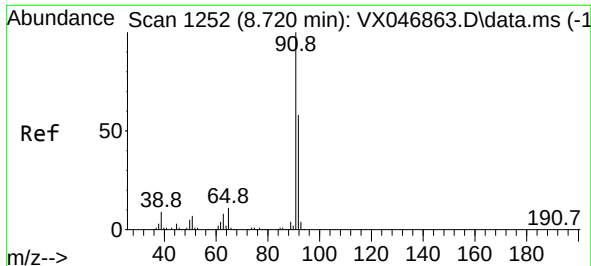
Tgt Ion: 98 Resp: 699230
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.188 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 43 Resp: 5052
Ion Ratio Lower Upper
43 100
58 36.4 30.4 45.6

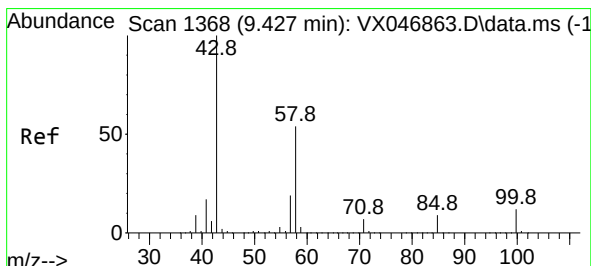
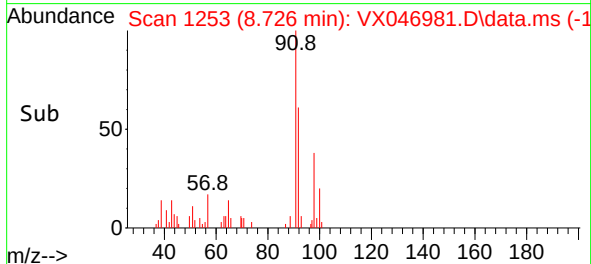
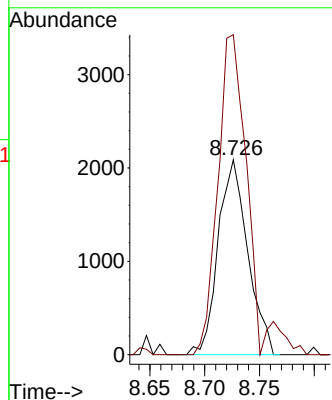
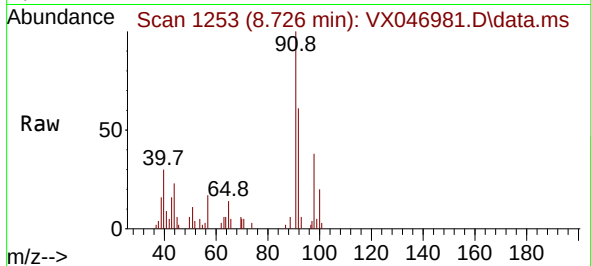




#52
Toluene
Concen: 0.379 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

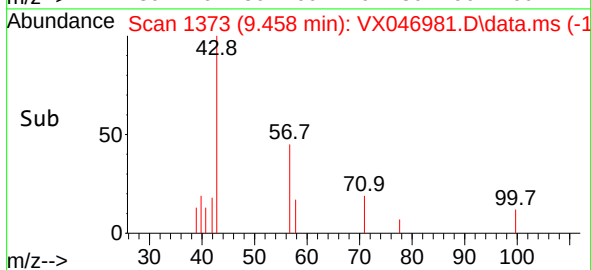
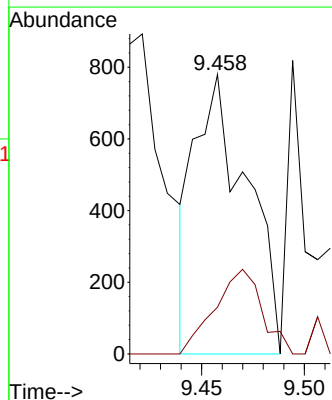
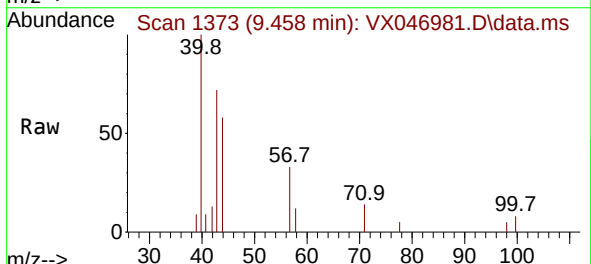
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

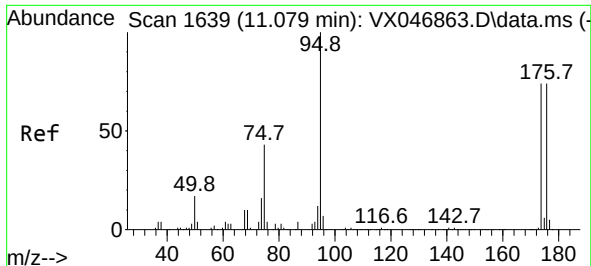
Tgt Ion: 92 Resp: 3926
Ion Ratio Lower Upper
92 100
91 156.5 137.9 206.9



#59
2-Hexanone
Concen: 0.489 ug/l
RT: 9.458 min Scan# 1373
Delta R.T. 0.031 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 43 Resp: 1379
Ion Ratio Lower Upper
43 100
58 27.3 27.1 81.3

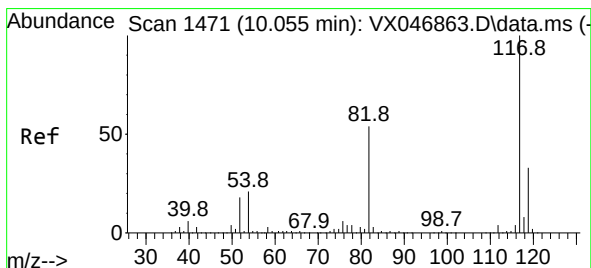
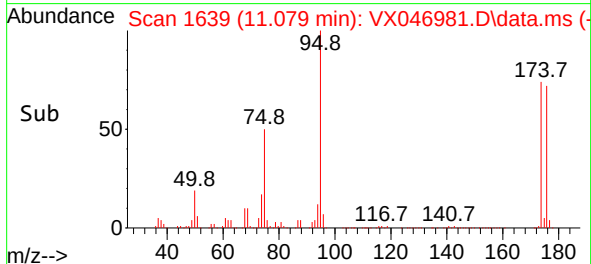
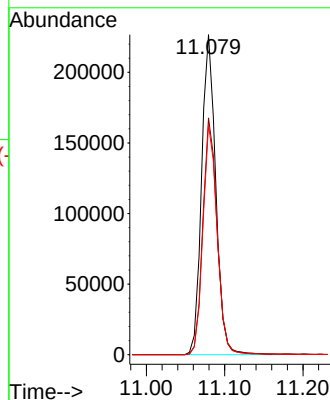
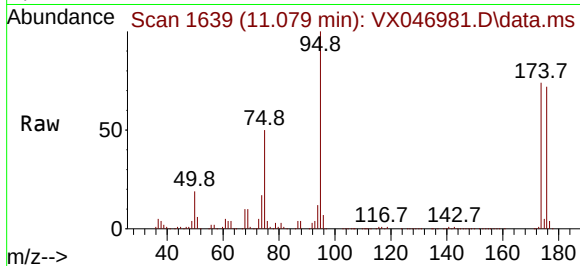




#62
4-Bromofluorobenzene
Concen: 51.965 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

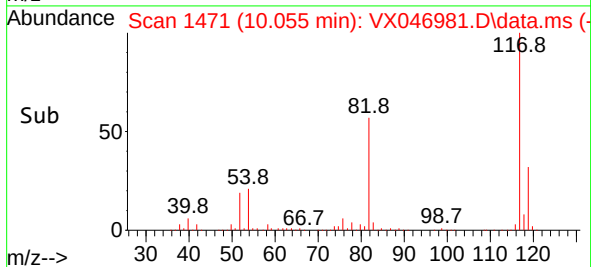
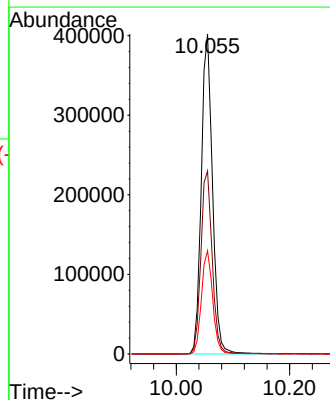
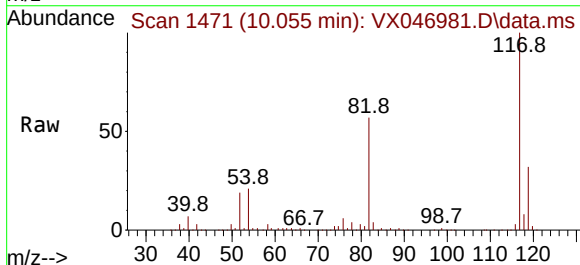
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

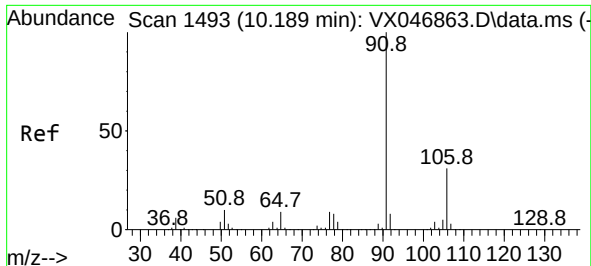
Tgt Ion: 95 Resp: 285220
Ion Ratio Lower Upper
95 100
174 74.0 0.0 152.0
176 72.0 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 117 Resp: 549695
Ion Ratio Lower Upper
117 100
82 57.2 43.3 64.9
119 32.2 26.4 39.6





#67

Ethyl Benzene

Concen: 0.755 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.012 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

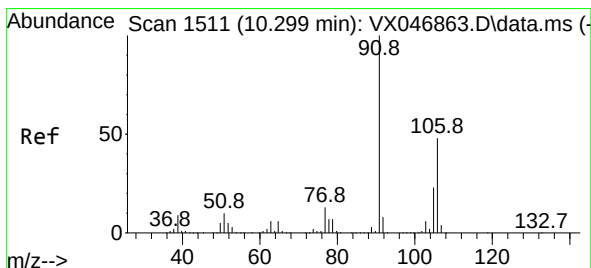
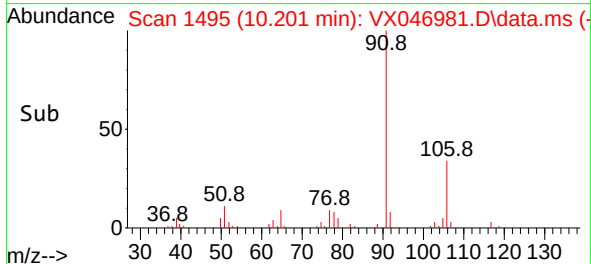
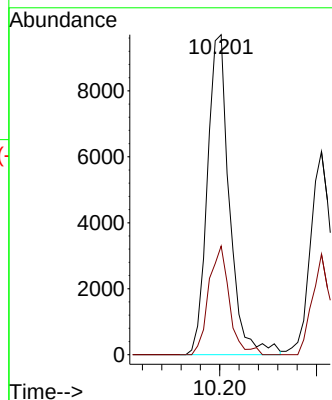
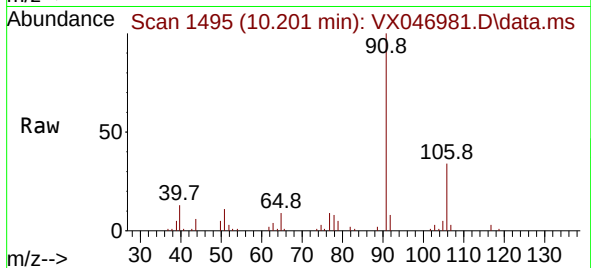
WC-A2-13-G

Tgt Ion: 91 Resp: 15375

Ion Ratio Lower Upper

91 100

106 33.9 24.4 36.6



#68

m/p-Xylenes

Concen: 0.603 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046981.D

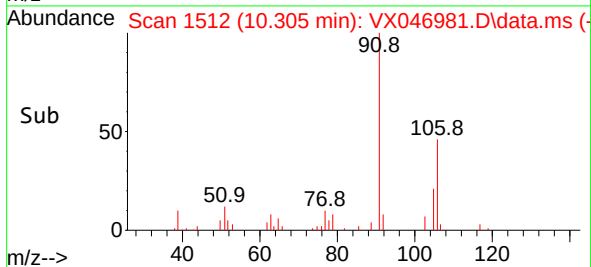
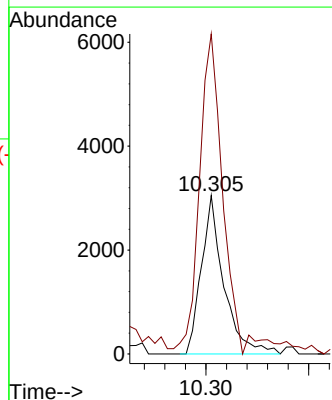
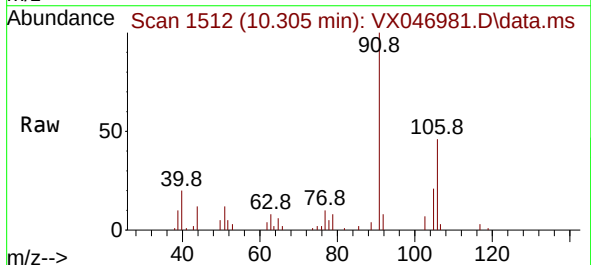
Acq: 14 Jul 2025 17:53

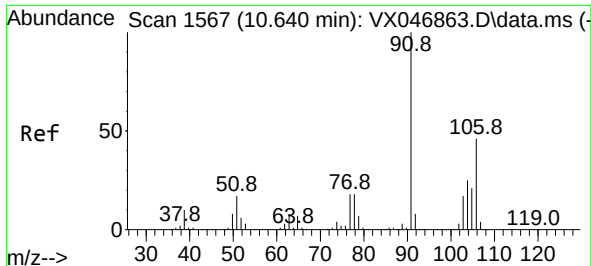
Tgt Ion: 106 Resp: 4626

Ion Ratio Lower Upper

106 100

91 209.6 164.6 246.8





#69

o-Xylene

Concen: 0.527 ug/l

RT: 10.647 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

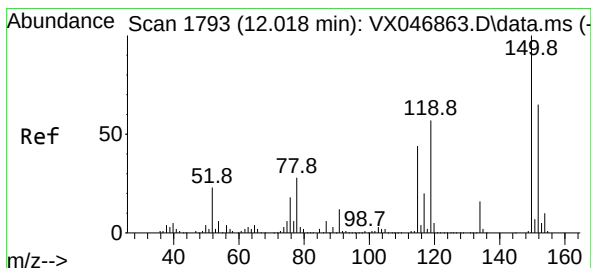
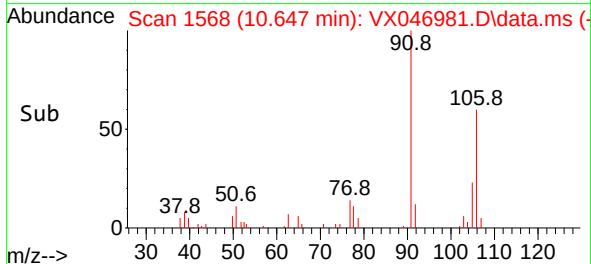
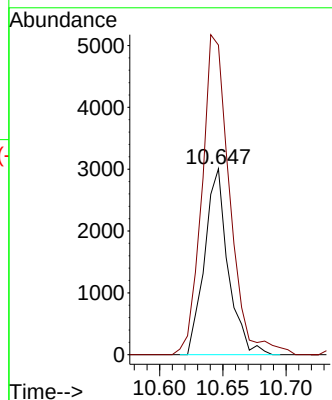
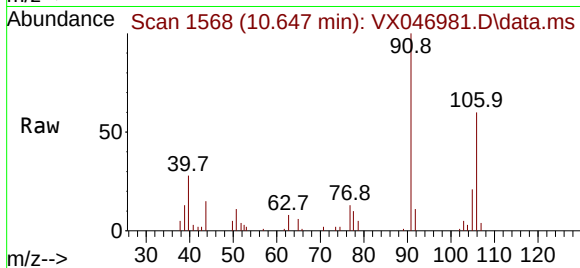
WC-A2-13-G

Tgt Ion:106 Resp: 3902

Ion Ratio Lower Upper

106 100

91 202.7 109.5 328.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

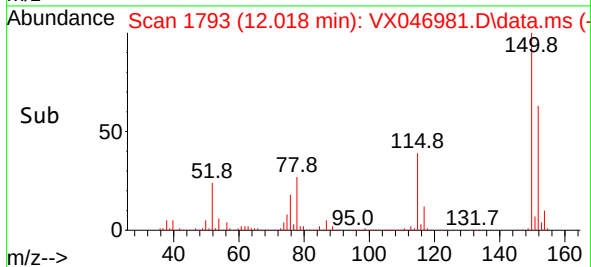
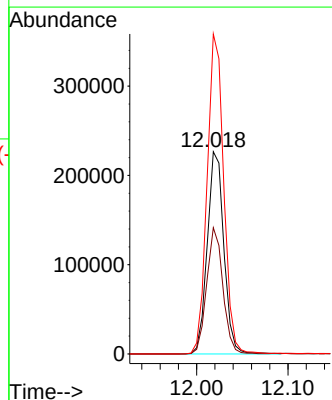
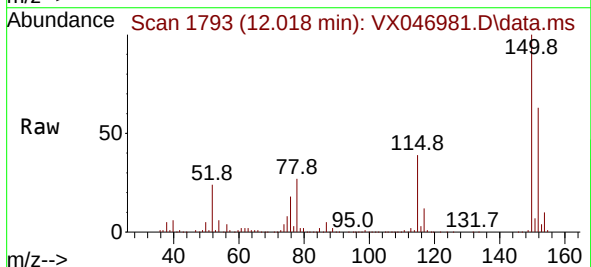
Tgt Ion:152 Resp: 285450

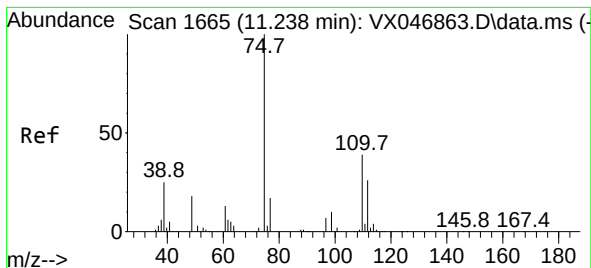
Ion Ratio Lower Upper

152 100

115 60.9 42.4 127.1

150 158.1 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 33.000 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX046981.D

Acq: 14 Jul 2025 17:53

Instrument :

MSVOA_X

ClientSampleId :

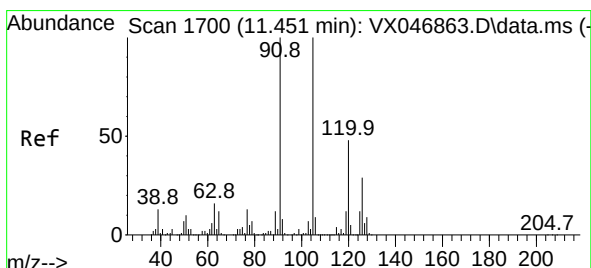
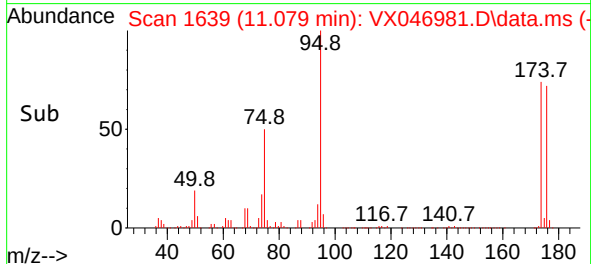
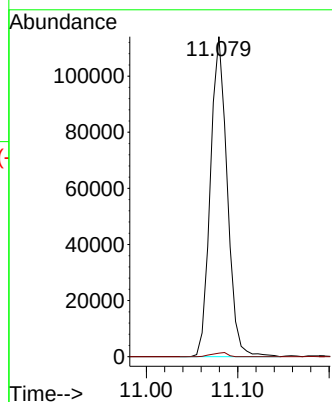
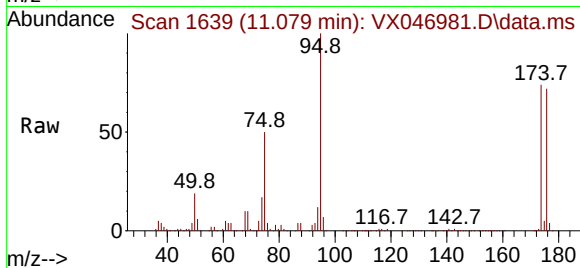
WC-A2-13-G

Tgt Ion: 75 Resp: 145551

Ion Ratio Lower Upper

75 100

77 1.2 20.6 61.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.205 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046981.D

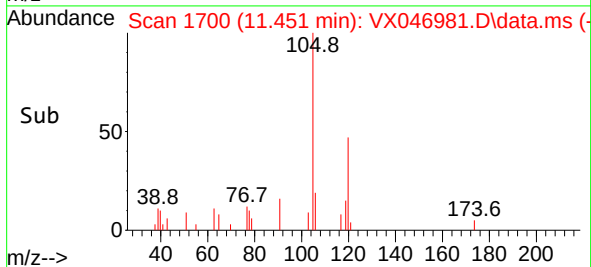
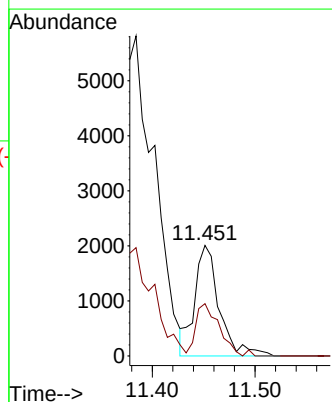
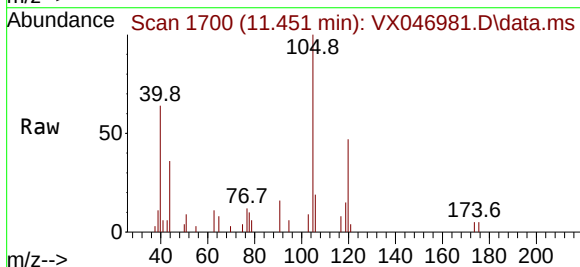
Acq: 14 Jul 2025 17:53

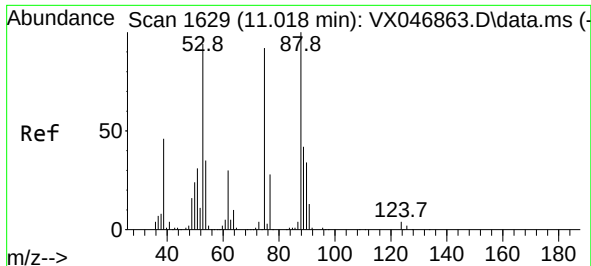
Tgt Ion:105 Resp: 3344

Ion Ratio Lower Upper

105 100

120 44.3 24.1 72.4

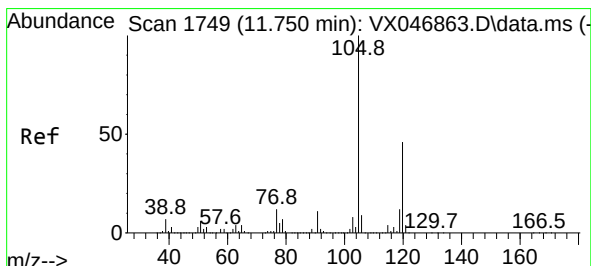
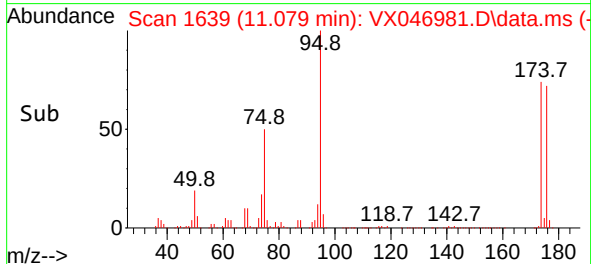
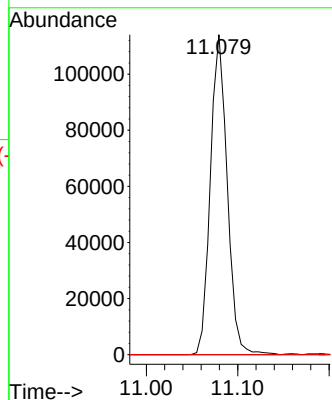
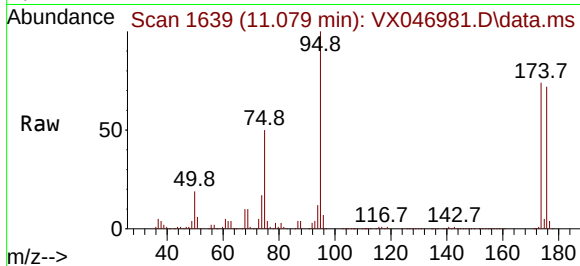




#81
trans-1,4-Dichloro-2-butene
Concen: 88.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

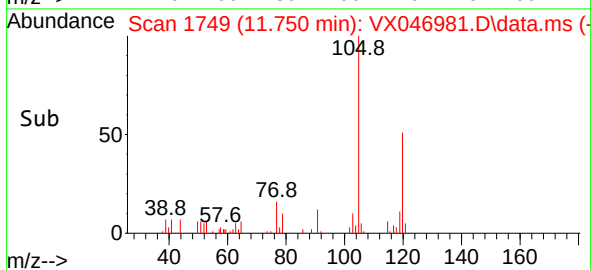
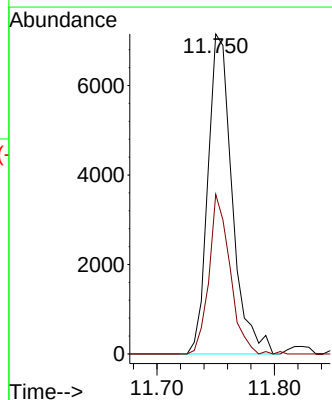
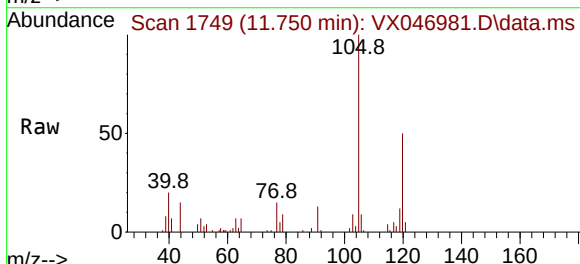
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

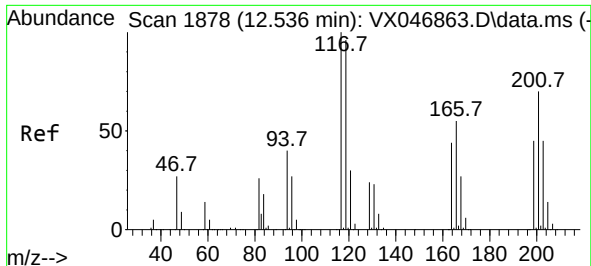
Tgt Ion: 75 Resp: 145551
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.620 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion: 105 Resp: 10226
Ion Ratio Lower Upper
105 100
120 43.3 23.3 69.8

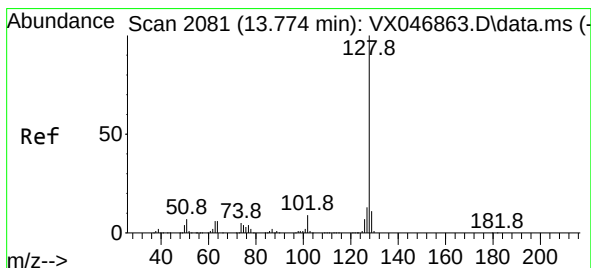
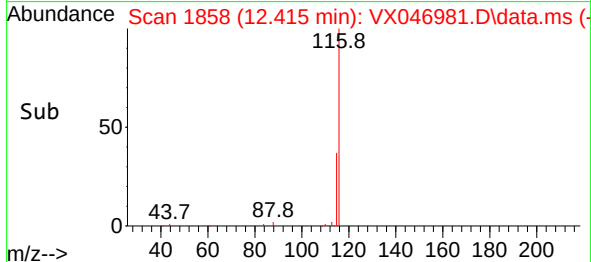
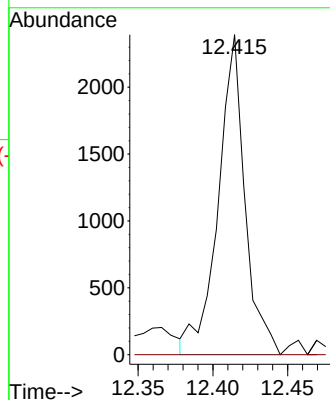
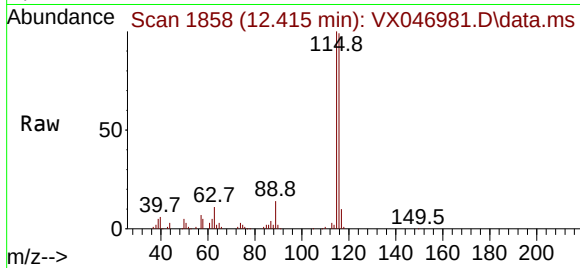




#90
Hexachloroethane
Concen: 0.942 ug/l
RT: 12.415 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-G

Tgt Ion:117 Resp: 2968
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#95
Naphthalene
Concen: 106.357 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046981.D
Acq: 14 Jul 2025 17:53

Tgt Ion:128 Resp: 1724711
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0

