

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043127.D
 Acq On : 24 Sep 2024 16:58
 Operator : JC/MD
 Sample : P4164-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW8-MW02D-20240919

Quant Time: Sep 25 01:32:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

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

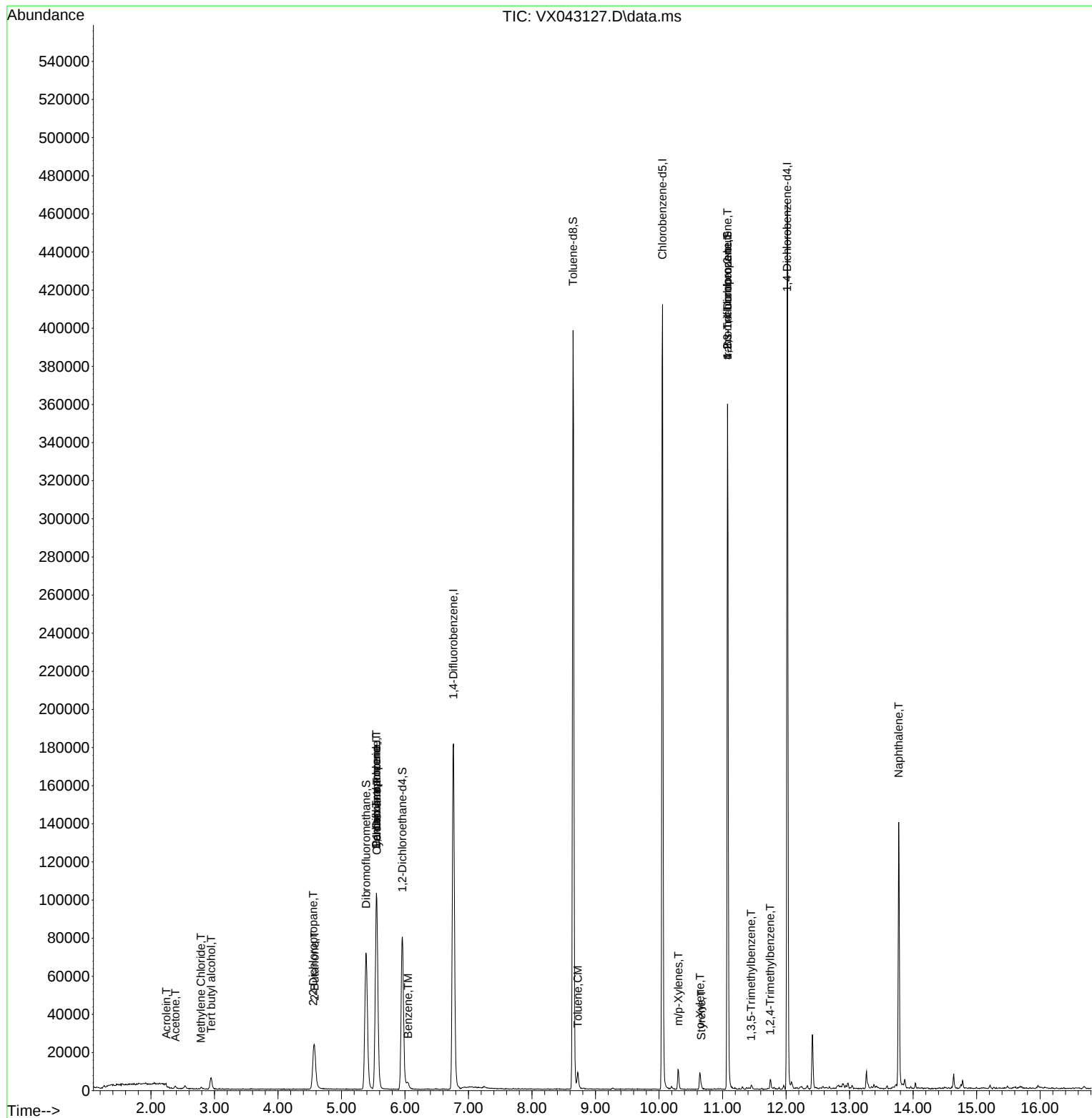
Internal Standards						
1) Pentafluorobenzene	5.550	168	92435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	184620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	93546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	82650	53.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.660%			
35) Dibromofluoromethane	5.385	113	62442	47.945	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.880%			
50) Toluene-d8	8.647	98	232091	52.674	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.340%			
62) 4-Bromofluorobenzene	11.079	95	95519	53.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.660%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	3362	9.807	ug/l #	73
13) Acrolein	2.239	56	83	1.838	ug/l #	15
16) Acetone	2.386	43	1001	1.394	ug/l #	87
20) Methylene Chloride	2.788	84	458	0.401	ug/l #	79
25) 2-Butanone	4.574	43	1948	2.105	ug/l #	49
26) 2,2-Dichloropropane	4.556	77	1073	0.538	ug/l #	54
31) Cyclohexane	5.556	56	2342	1.551	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	8293	5.182	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10278	4.986	ug/l #	15
40) Benzene	6.050	78	3817	0.808	ug/l	91
52) Toluene	8.720	92	3074	1.011	ug/l	94
68) m/p-Xylenes	10.305	106	2566	1.035	ug/l	93
69) o-Xylene	10.646	106	1926	0.775	ug/l	96
70) Styrene	10.665	104	1101	0.265	ug/l #	78
76) 1,2,3-Trichloropropane	11.079	75	52176	26.234	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	1237	0.213	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	52176	62.505	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.750	105	2842	0.492	ug/l	96
95) Naphthalene	13.774	128	90895	13.947	ug/l	100

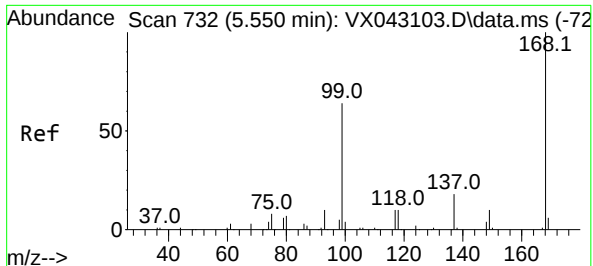
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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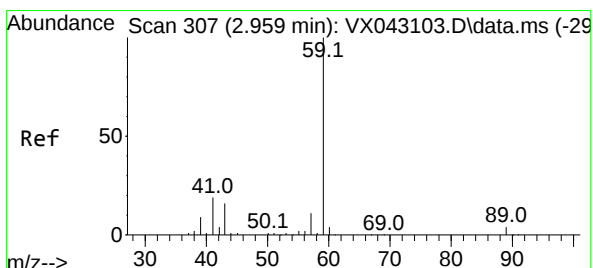
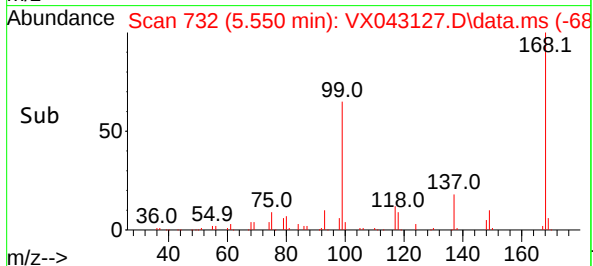
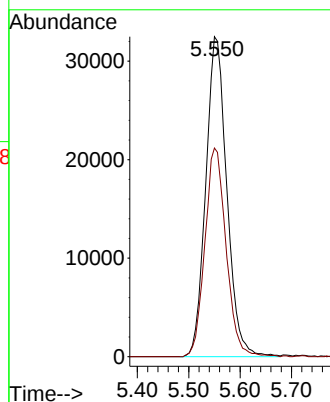
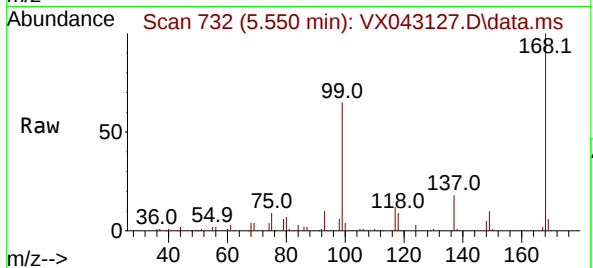




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

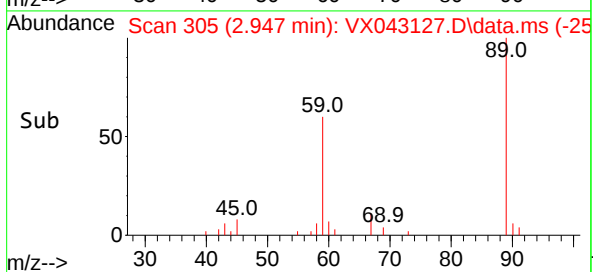
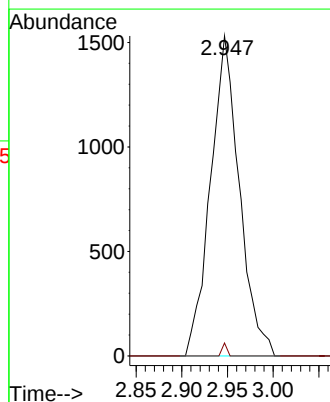
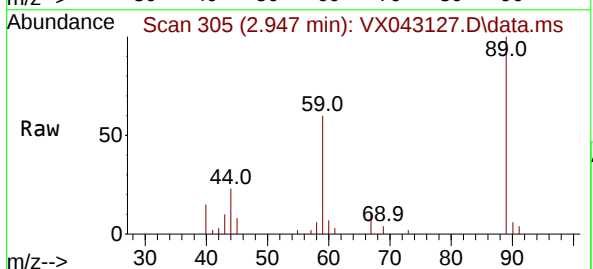
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

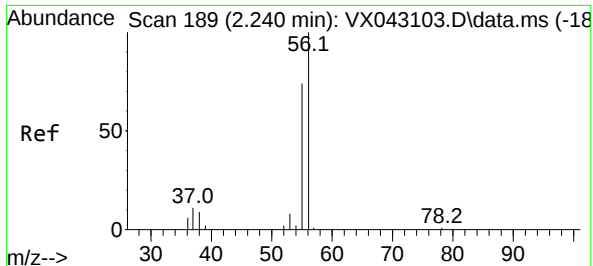
Tgt Ion:168 Resp: 92435
Ion Ratio Lower Upper
168 100
99 65.2 50.8 76.2



#11
Tert butyl alcohol
Concen: 9.807 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion: 59 Resp: 3362
Ion Ratio Lower Upper
59 100
57 0.7 8.6 13.0#

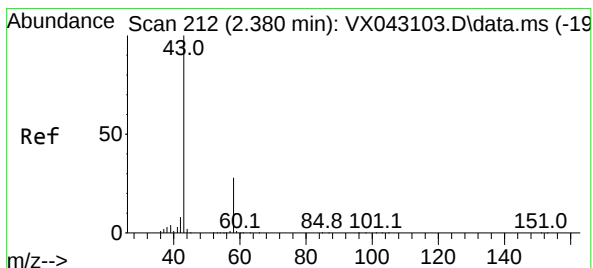
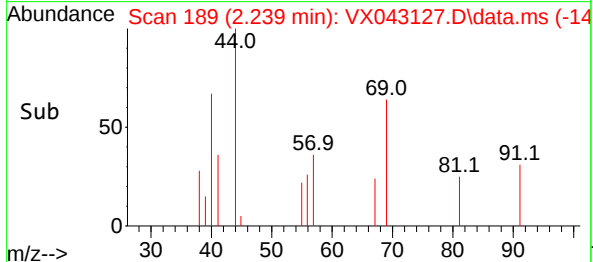
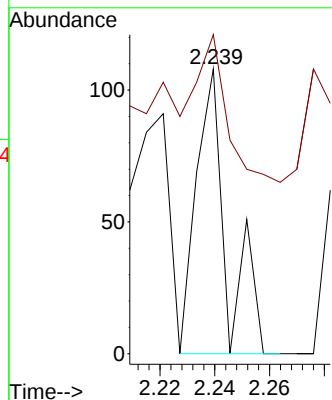
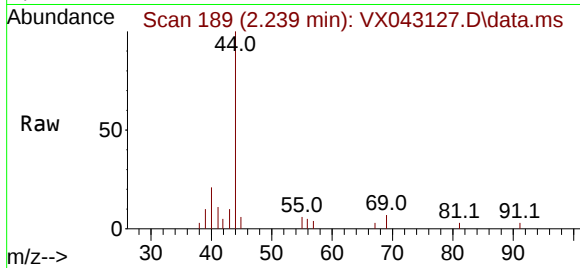




#13
Acrolein
Concen: 1.838 ug/l
RT: 2.239 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

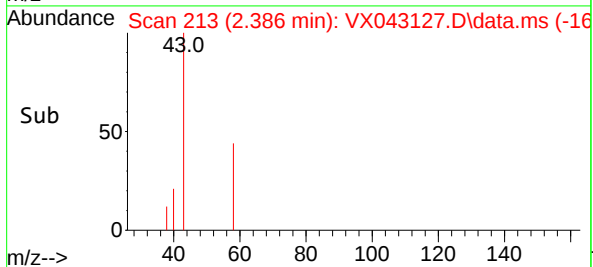
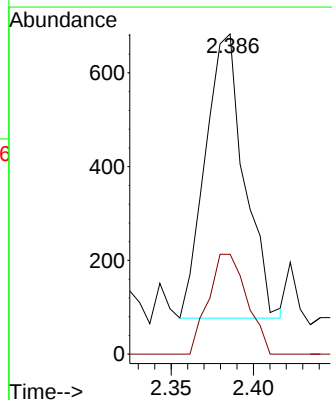
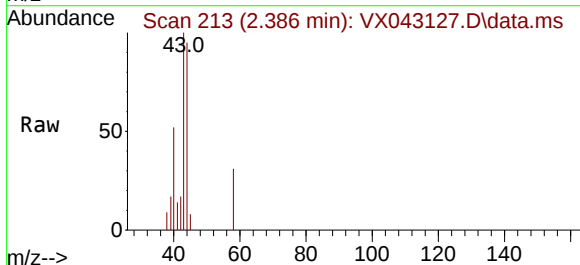
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

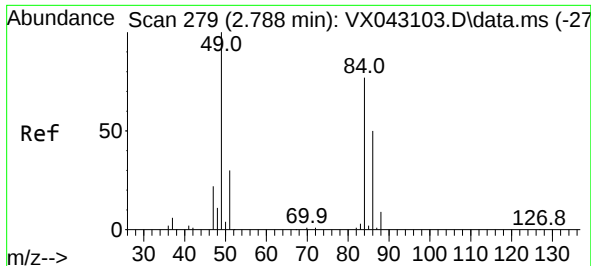
Tgt Ion: 56 Resp: 83
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 1.394 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion: 43 Resp: 1001
Ion Ratio Lower Upper
43 100
58 35.1 22.6 34.0#





#20

Methylene Chloride

Concen: 0.401 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043127.D

Acq: 24 Sep 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW02D-20240919

Tgt Ion: 84 Resp: 458

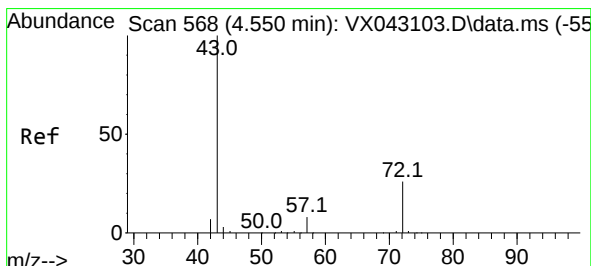
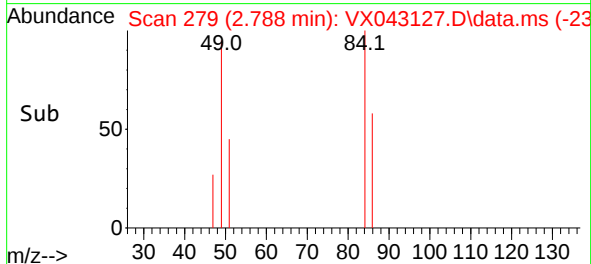
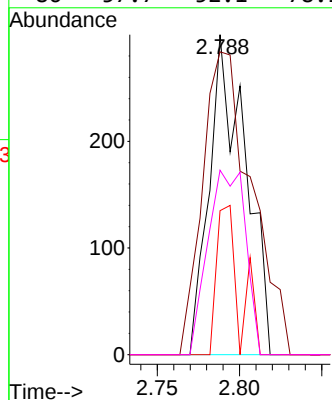
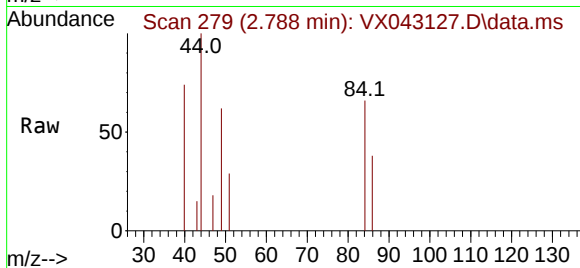
Ion Ratio Lower Upper

84 100

49 94.7 104.1 156.1#

51 45.0 31.1 46.7

86 57.7 52.1 78.1



#25

2-Butanone

Concen: 2.105 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.024 min

Lab File: VX043127.D

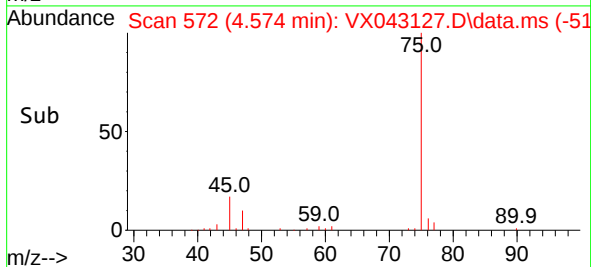
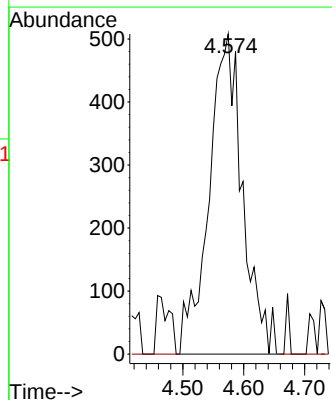
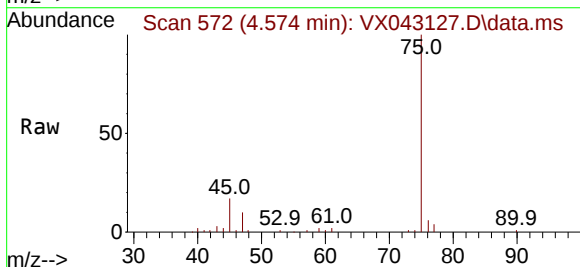
Acq: 24 Sep 2024 16:58

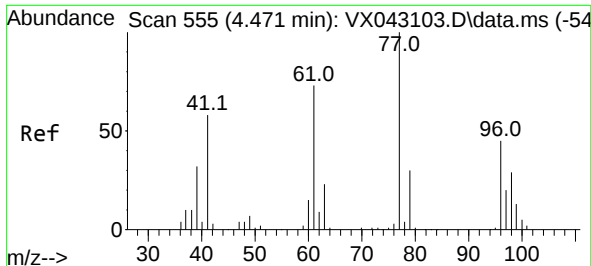
Tgt Ion: 43 Resp: 1948

Ion Ratio Lower Upper

43 100

72 0.0 20.7 31.1#





#26

2,2-Dichloropropane

Concen: 0.538 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.085 min

Lab File: VX043127.D

Acq: 24 Sep 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

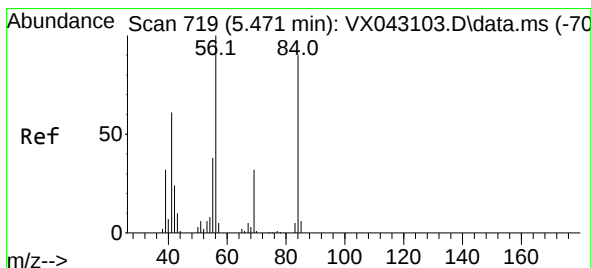
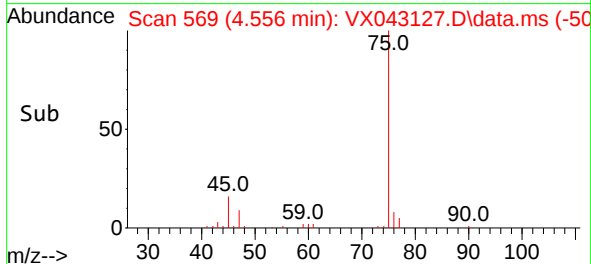
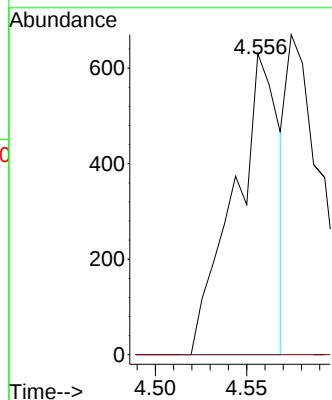
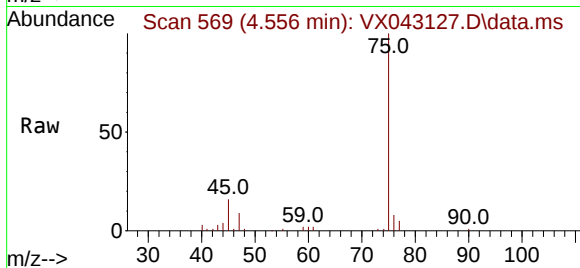
RW8-MW02D-20240919

Tgt Ion: 77 Resp: 1073

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.551 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX043127.D

Acq: 24 Sep 2024 16:58

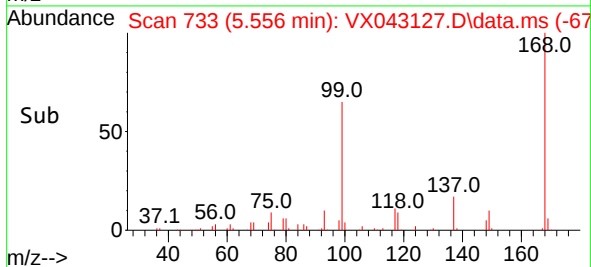
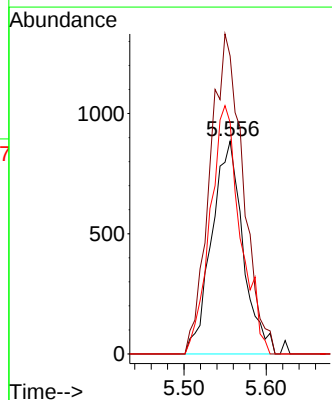
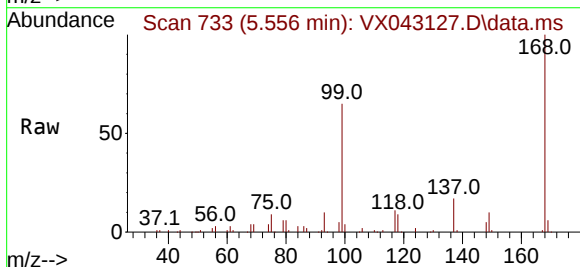
Tgt Ion: 56 Resp: 2342

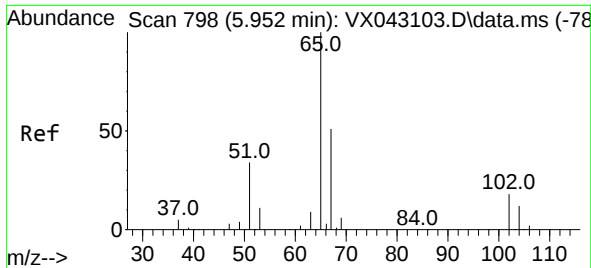
Ion Ratio Lower Upper

56 100

69 140.0 25.8 38.6#

84 108.8 72.4 108.6#

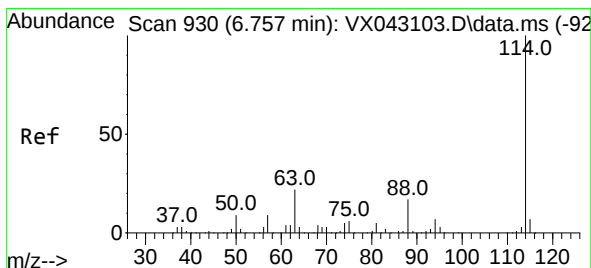
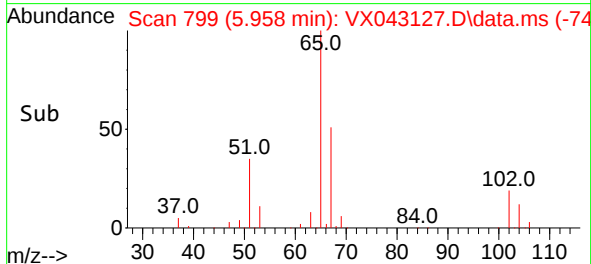
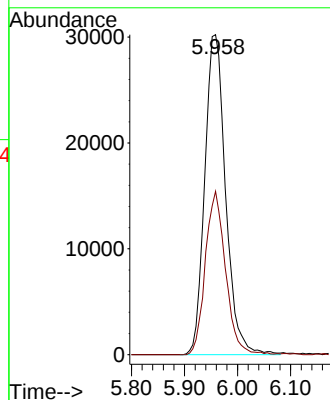
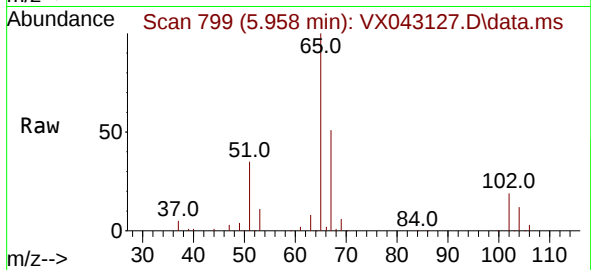




#33
1,2-Dichloroethane-d4
Concen: 53.830 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

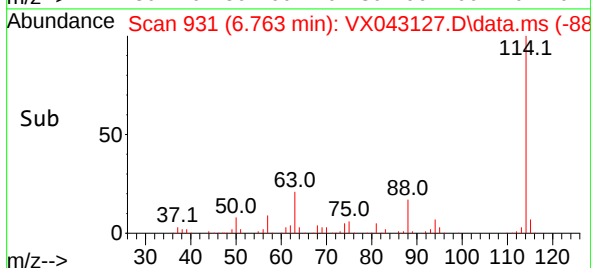
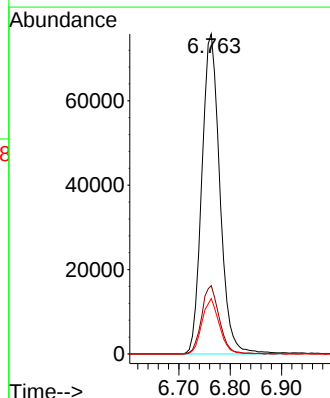
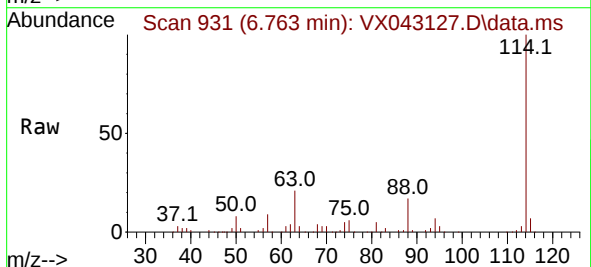
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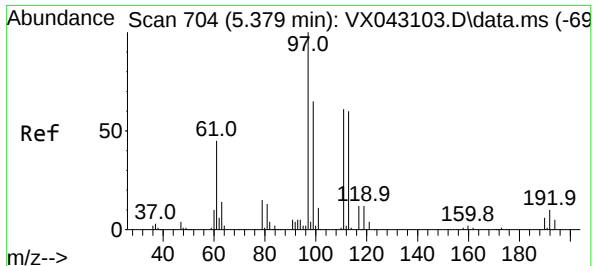
Tgt Ion: 65 Resp: 82650
Ion Ratio Lower Upper
65 100
67 49.4 0.0 99.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion: 114 Resp: 184620
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.2
88 17.3 0.0 33.4

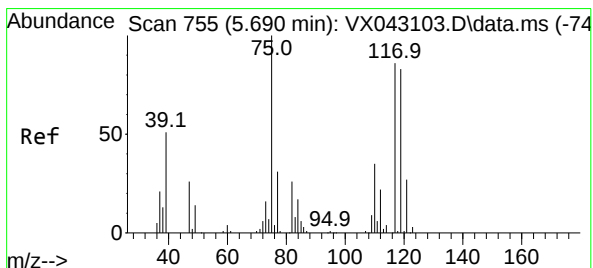
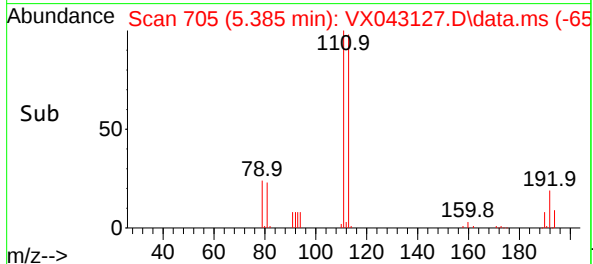
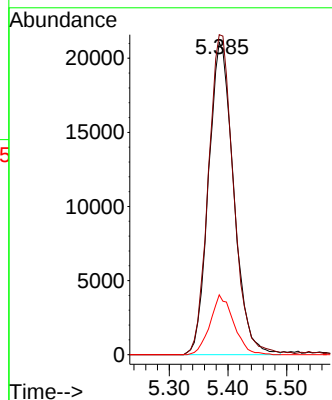
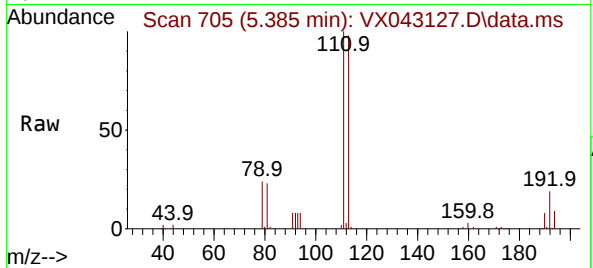




#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

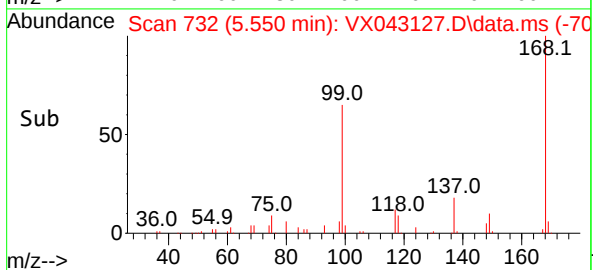
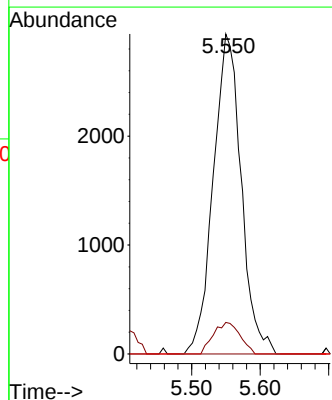
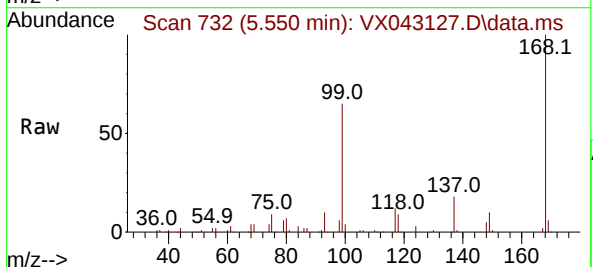
Instrument :
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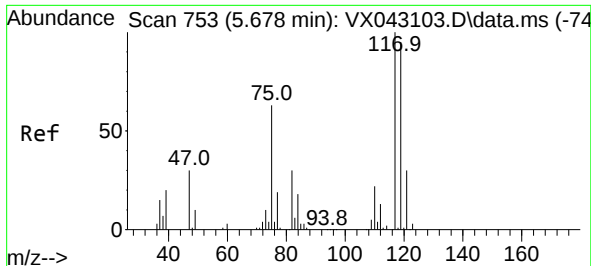
Tgt Ion:113 Resp: 62442
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 18.0 14.6 22.0



#36
1,1-Dichloropropene
Concen: 5.182 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

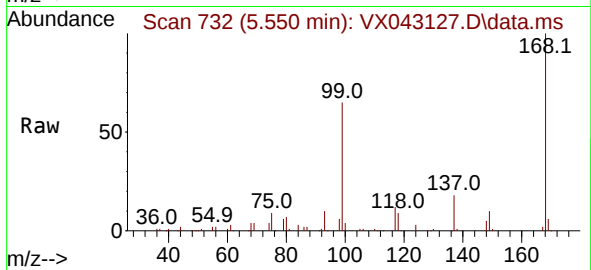
Tgt Ion: 75 Resp: 8293
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.4#
77 0.0 25.2 37.8#



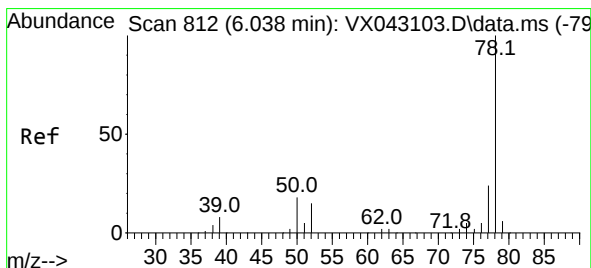
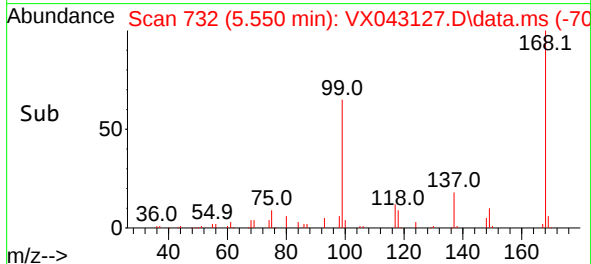
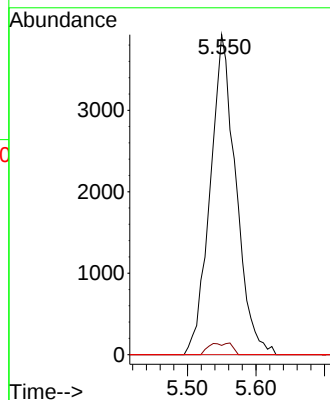


#38
Carbon Tetrachloride
Concen: 4.986 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

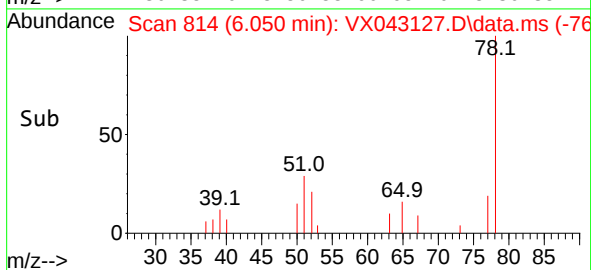
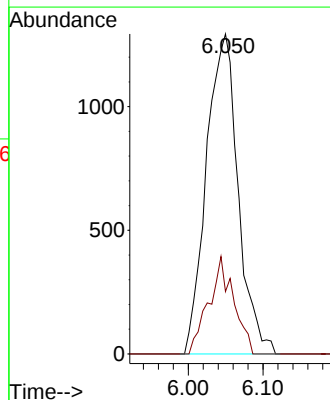
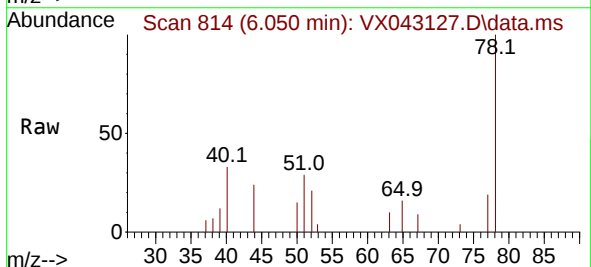


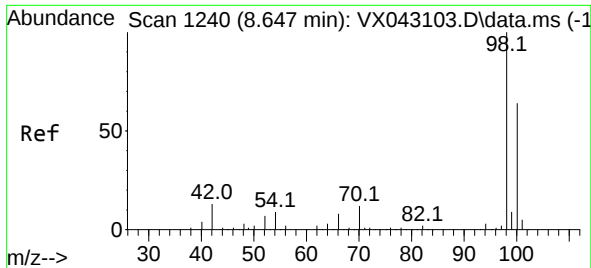
Tgt Ion:117 Resp: 10278
Ion Ratio Lower Upper
117 100
119 2.9 75.5 113.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.808 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.012 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion: 78 Resp: 3817
Ion Ratio Lower Upper
78 100
77 19.5 19.3 28.9

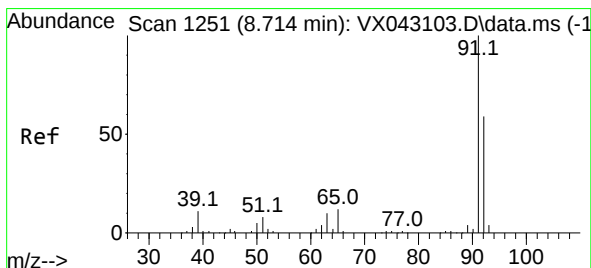
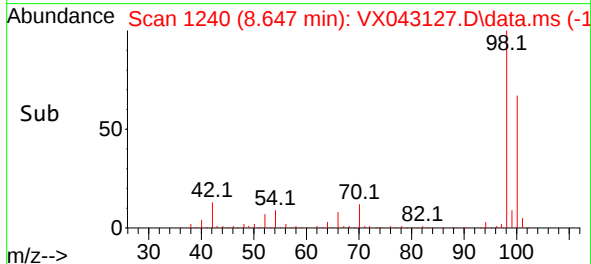
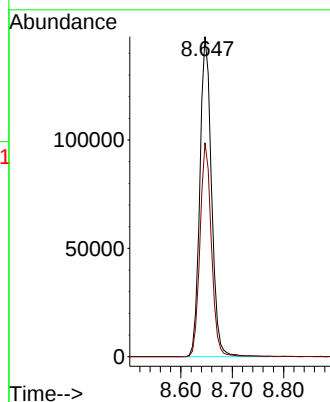
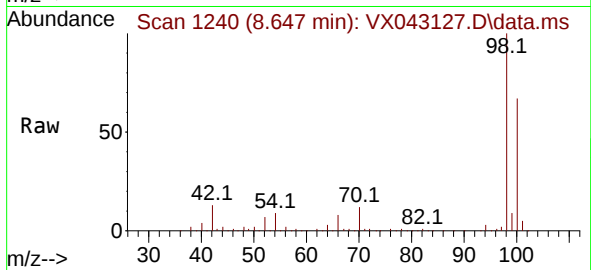




#50
Toluene-d8
Concen: 52.674 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

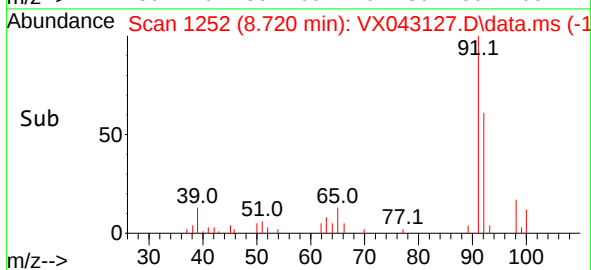
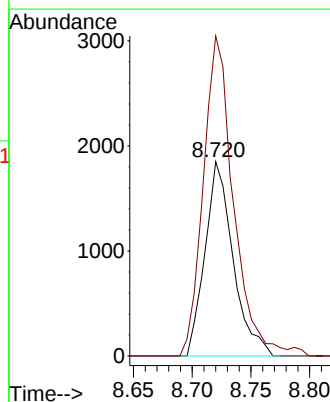
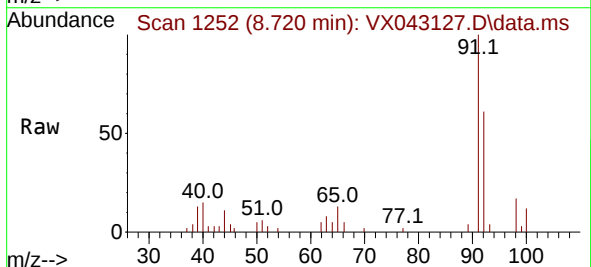
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

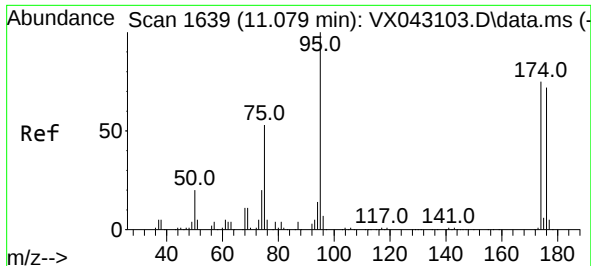
Tgt Ion: 98 Resp: 232091
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#52
Toluene
Concen: 1.011 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion: 92 Resp: 3074
Ion Ratio Lower Upper
92 100
91 178.0 135.9 203.9





#62

4-Bromofluorobenzene

Concen: 53.831 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043127.D

Acq: 24 Sep 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

RW8-MW02D-20240919

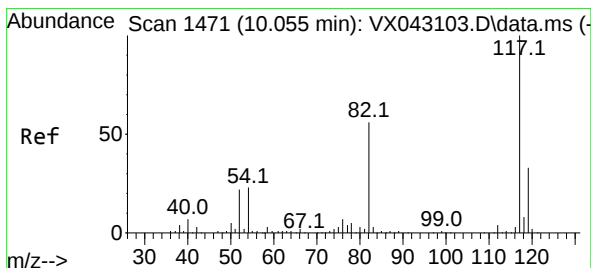
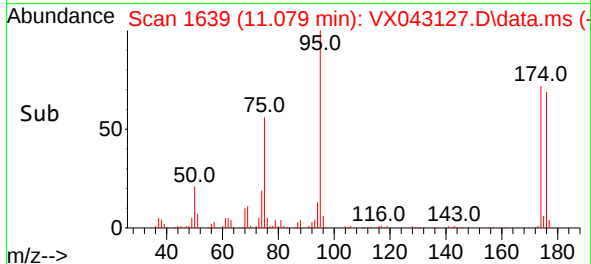
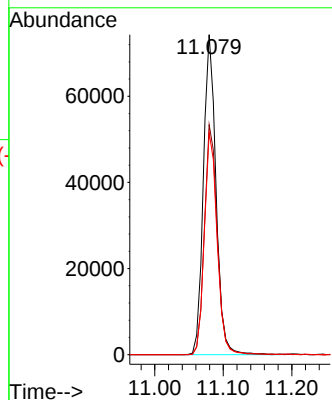
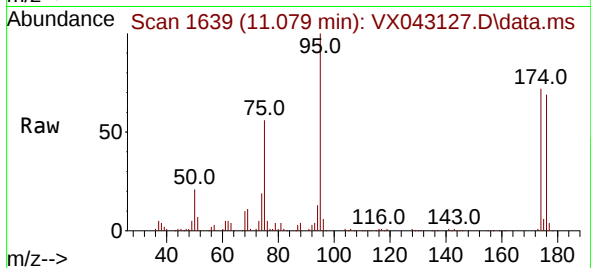
Tgt Ion: 95 Resp: 95519

Ion Ratio Lower Upper

95 100

174 73.0 0.0 146.0

176 70.2 0.0 142.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043127.D

Acq: 24 Sep 2024 16:58

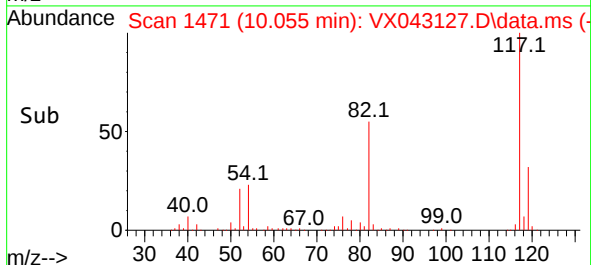
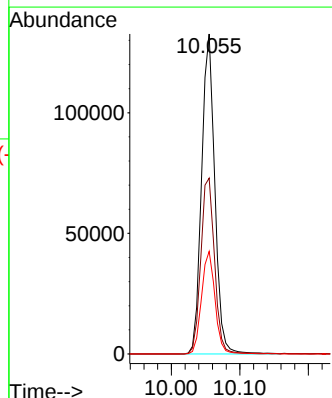
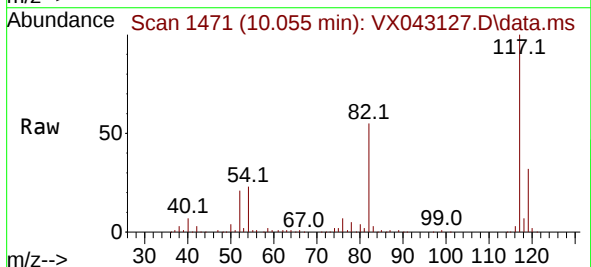
Tgt Ion: 117 Resp: 178502

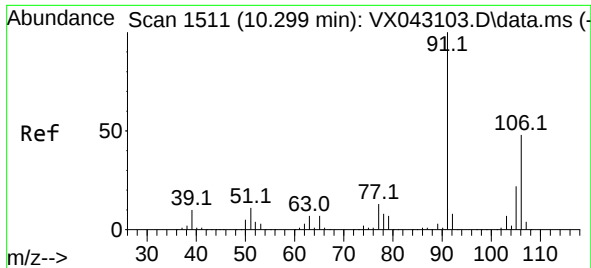
Ion Ratio Lower Upper

117 100

82 54.9 44.7 67.1

119 32.1 26.3 39.5

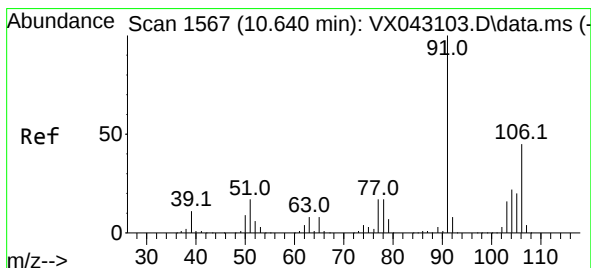
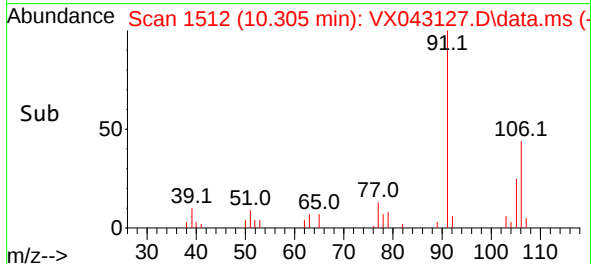
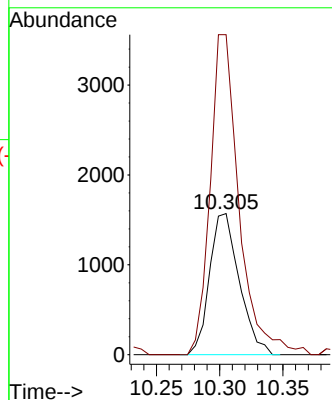
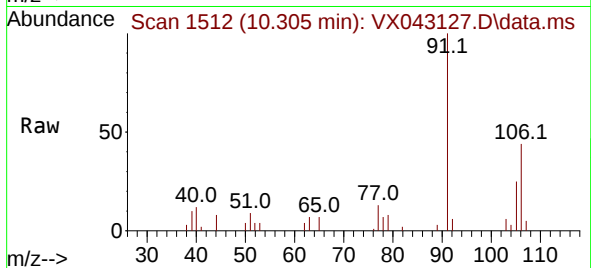




#68
m/p-Xylenes
Concen: 1.035 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

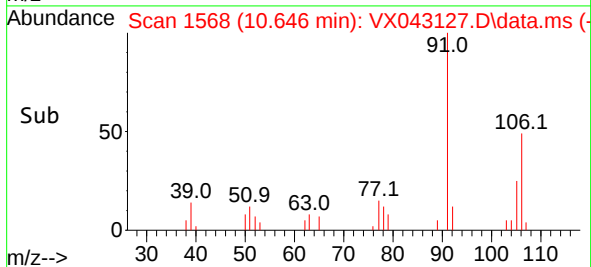
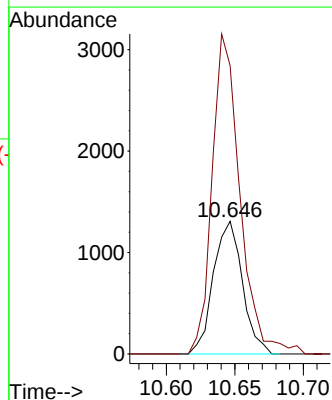
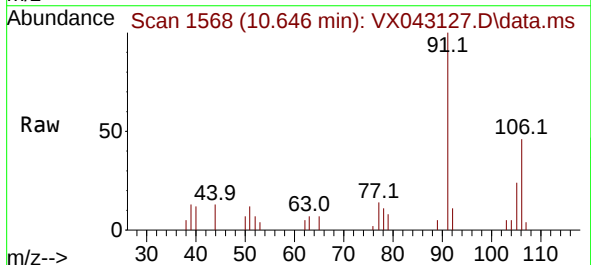
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

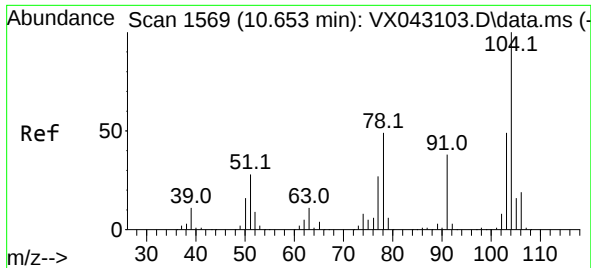
Tgt Ion:106 Resp: 2566
Ion Ratio Lower Upper
106 100
91 220.6 167.5 251.3



#69
o-Xylene
Concen: 0.775 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion:106 Resp: 1926
Ion Ratio Lower Upper
106 100
91 231.3 112.5 337.4

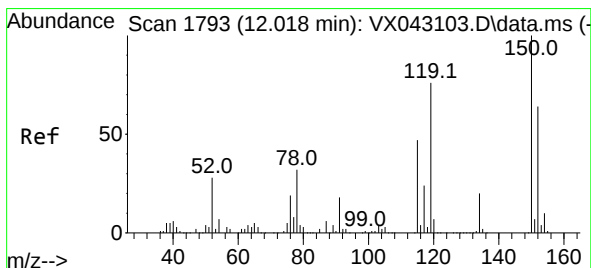
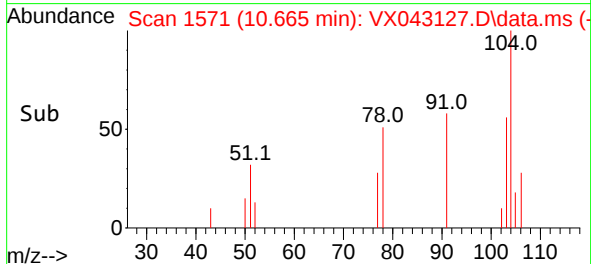
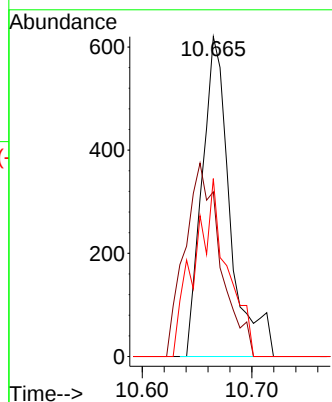
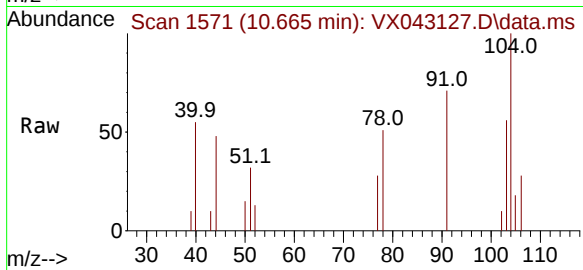




#70
Styrene
Concen: 0.265 ug/l
RT: 10.665 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

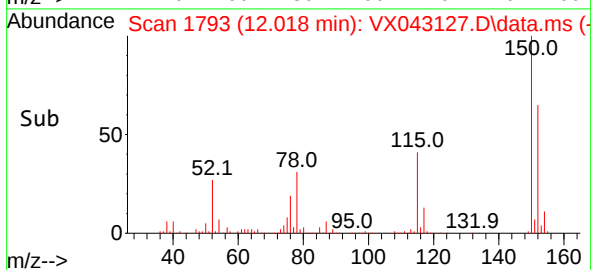
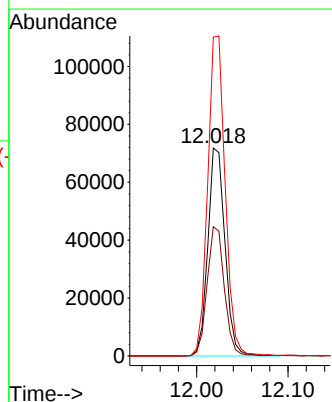
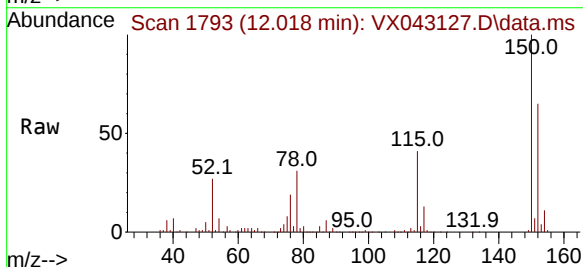
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

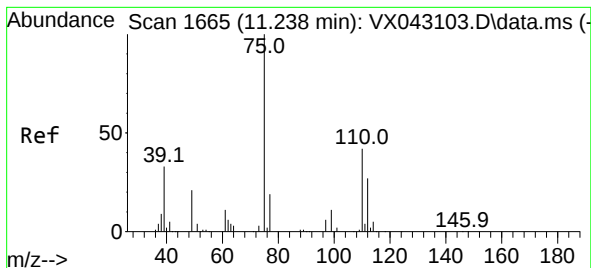
Tgt Ion:104 Resp: 1101
Ion Ratio Lower Upper
104 100
78 76.9 44.3 66.5#
103 64.7 43.4 65.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Tgt Ion:152 Resp: 93546
Ion Ratio Lower Upper
152 100
115 62.2 43.7 131.1
150 156.5 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 26.234 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX043127.D

Acq: 24 Sep 2024 16:58

Instrument :

MSVOA_X

ClientSampleId :

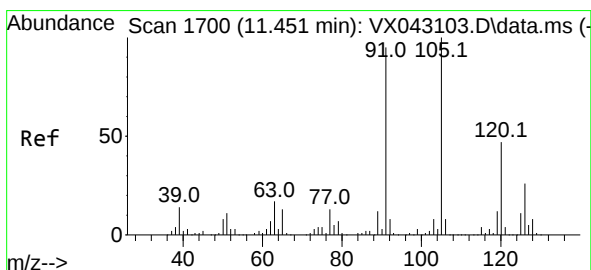
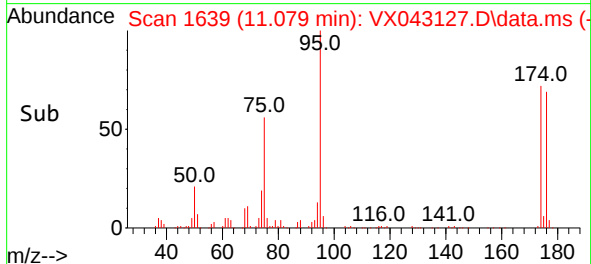
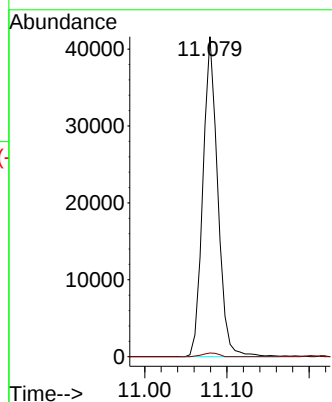
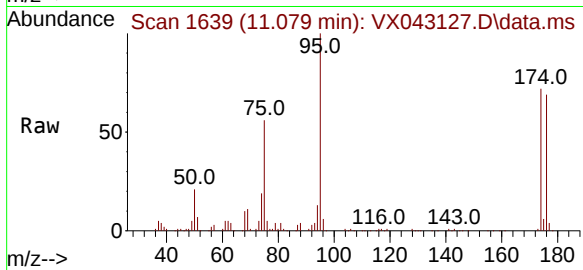
RW8-MW02D-20240919

Tgt Ion: 75 Resp: 52176

Ion Ratio Lower Upper

75 100

77 1.3 21.9 65.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.213 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043127.D

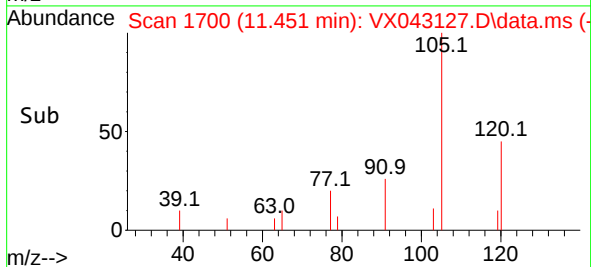
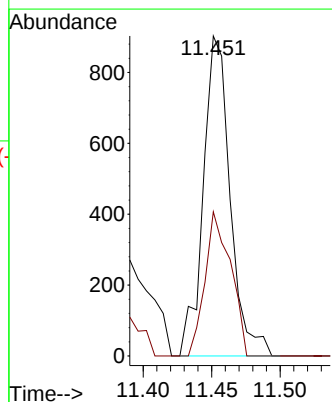
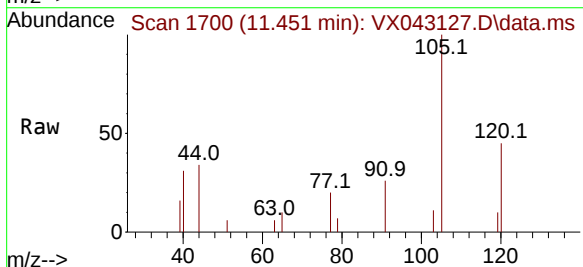
Acq: 24 Sep 2024 16:58

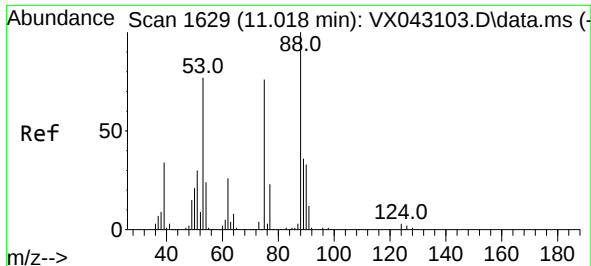
Tgt Ion:105 Resp: 1237

Ion Ratio Lower Upper

105 100

120 42.8 23.5 70.5

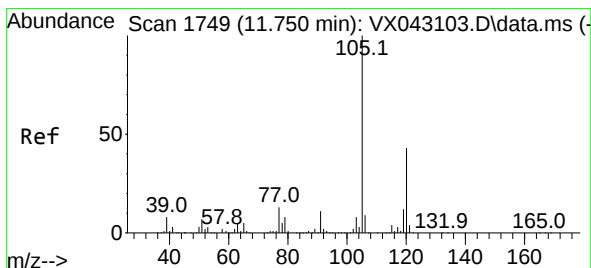
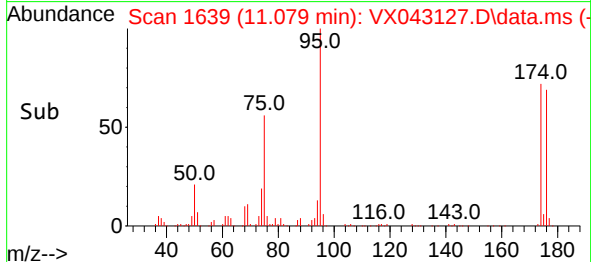
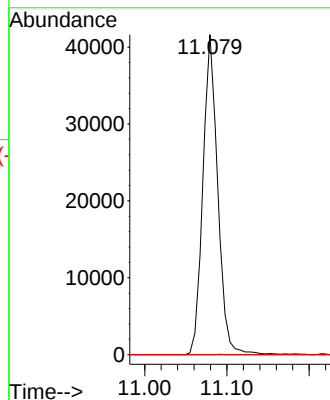
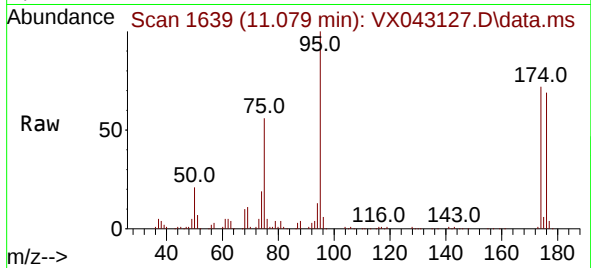




#81
trans-1,4-Dichloro-2-butene
Concen: 62.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

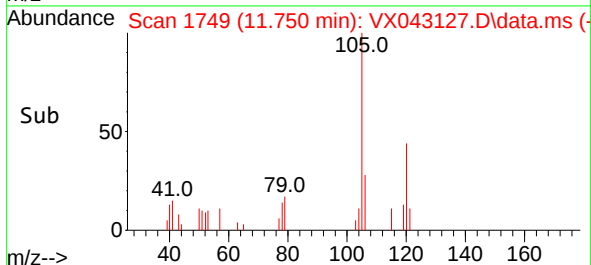
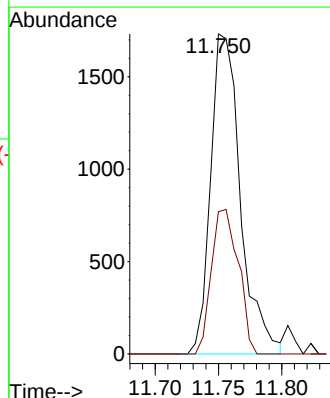
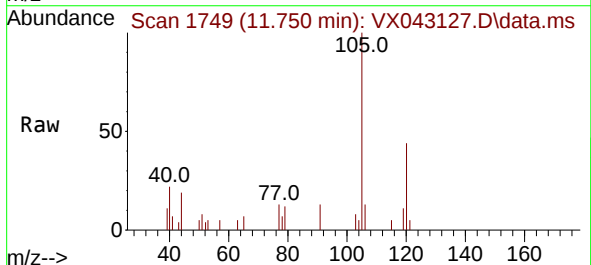
Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919

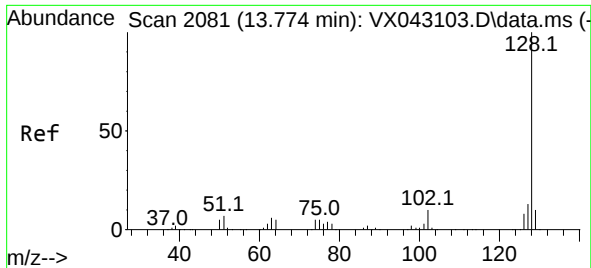
Tgt Ion: 75 Resp: 52176
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.492 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

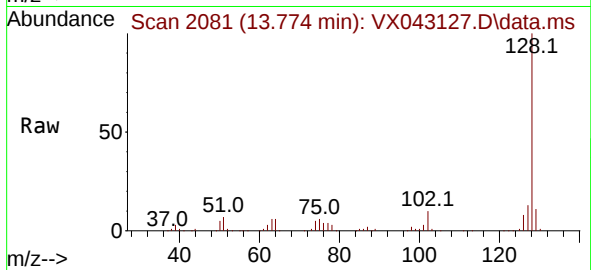
Tgt Ion: 105 Resp: 2842
Ion Ratio Lower Upper
105 100
120 40.8 21.8 65.4





#95
Naphthalene
Concen: 13.947 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX043127.D
Acq: 24 Sep 2024 16:58

Instrument :
MSVOA_X
ClientSampleId :
RW8-MW02D-20240919



Tgt Ion:128 Resp: 90895
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.9 8.6 13.0

