

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071922\
 Data File : VW023877.D
 Acq On : 19 Jul 2022 12:15
 Operator : SY/VA
 Sample : N3709-07
 Misc : 9.07g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 H0B23

Quant Time: Jul 20 01:19:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 20 01:17:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	189209	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	152891	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	52663	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.343	65	52082	10.777	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	43.120%		
7) Chloroethane-d5	2.879	69	39590	12.280	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	49.120%		
11) 1,1-Dichloroethene-d2	4.001	63	54408	13.826	ug/L	-0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	55.320%		
21) 2-Butanone-d5	7.086	46	34846	46.487	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	92.980%		
24) Chloroform-d	7.647	84	113231	20.555	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	82.200%		
26) 1,2-Dichloroethane-d4	8.305	65	63719	18.912	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	75.640%		
32) Benzene-d6	8.275	84	193828	24.388	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	97.560%		
36) 1,2-Dichloropropane-d6	9.274	67	66774	27.892	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	111.560%		
41) Toluene-d8	10.323	98	156633	19.430	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	77.720%		
43) trans-1,3-Dichloroprop...	10.573	79	12682	11.301	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	45.200%		
47) 2-Hexanone-d5	10.927	63	23887	47.450	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.900%		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	54420	20.569	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	82.280%		
66) 1,2-Dichlorobenzene-d4	13.853	152	43909	23.356	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	93.440%		
Target Compounds						Qvalue
13) Acetone	4.129	43	27582	52.045	ug/L	99
14) Carbon disulfide	4.373	76	18798	3.186	ug/L #	91
16) Methylene chloride	4.909	84	15390	5.202	ug/L	90
22) 2-Butanone	7.183	43	10201	11.713	ug/L	81
25) Chloroform	7.671	83	3389	0.655	ug/L	83
33) Benzene	8.323	78	7976	0.918	ug/L	100
45) 1,1,2-Trichloroethane	10.756	97	1110	0.583	ug/L #	26
51) Chlorobenzene	11.658	112	108547	16.243	ug/L	96
53) m,p-Xylene	11.841	106	16066	3.657	ug/L	96
60) Isopropylbenzene	12.463	105	68151	9.634	ug/L	99
61) 1,2,3-Trichloropropane	12.804	75	1066	0.923	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.938	105	9325	1.610	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	55002	9.499	ug/L	98
65) 1,4-Dichlorobenzene	13.572	146	371798	108.804	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	5152	1.701	ug/L #	83
68) 1,2-Dibromo-3-chloropr...	14.200	75	1223	4.592	ug/L #	13
71) Naphthalene	15.359	128	33040	9.383	ug/L	98

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Quant Time: Jul 20 01:19:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071322SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jul 20 01:17:09 2022
Response via : Initial Calibration

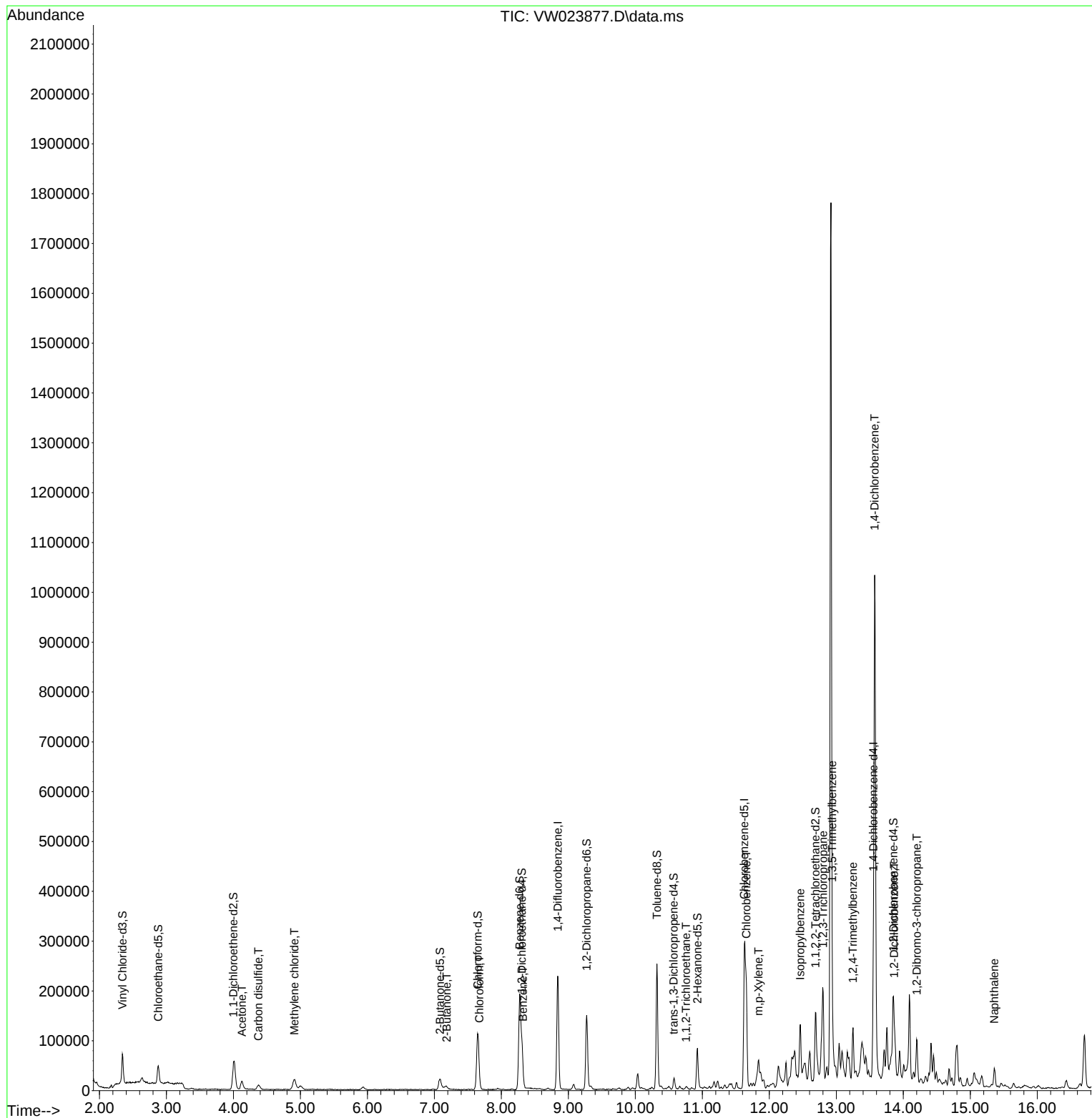
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

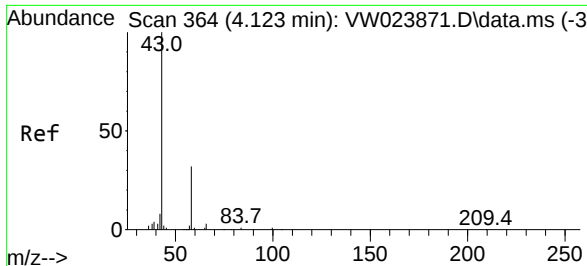
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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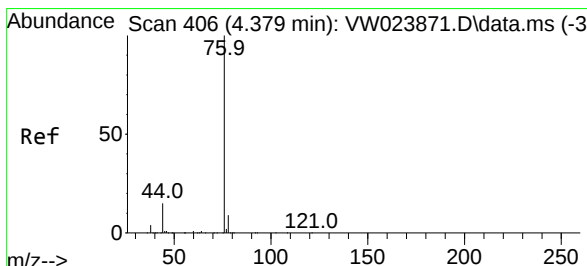
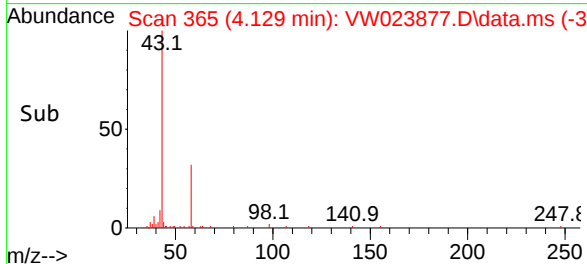
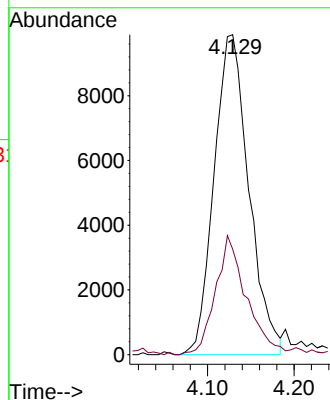
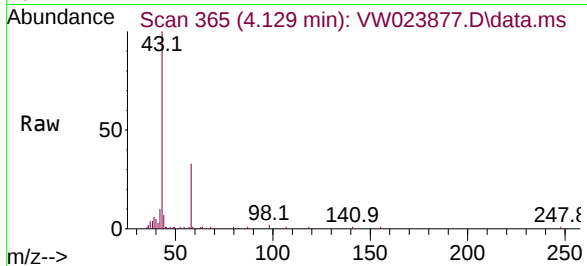




#13
Acetone
Concen: 52.045 ug/L
RT: 4.129 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

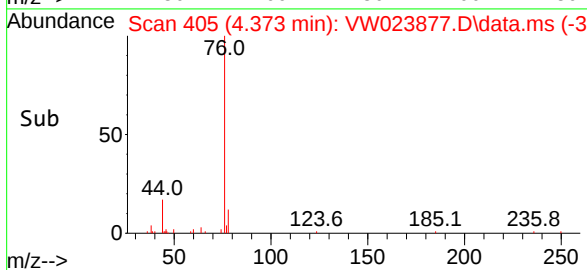
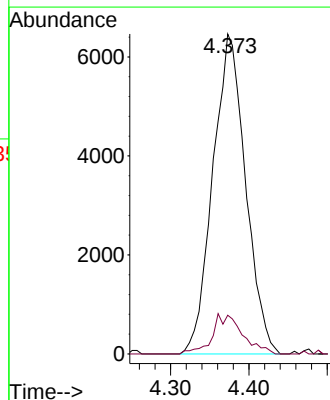
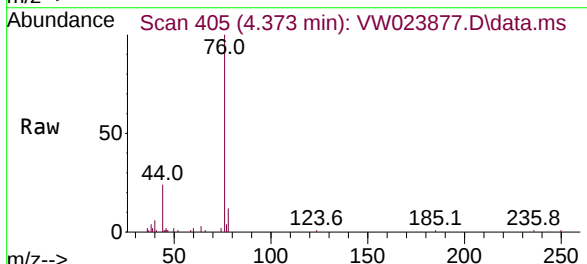
Instrument :
MSVOA_W
ClientSampleId :
H0B23

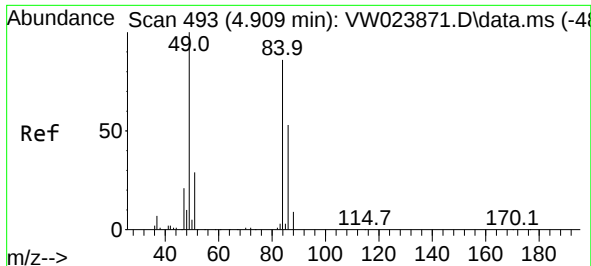
Tgt Ion: 43 Resp: 27582
Ion Ratio Lower Upper
43 100
58 32.9 0.0 64.2



#14
Carbon disulfide
Concen: 3.186 ug/L
RT: 4.373 min Scan# 405
Delta R.T. -0.006 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

Tgt Ion: 76 Resp: 18798
Ion Ratio Lower Upper
76 100
78 12.1 7.2 10.8#

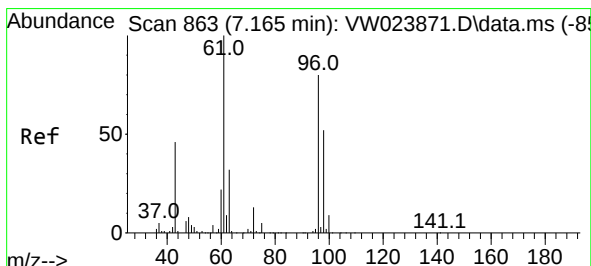
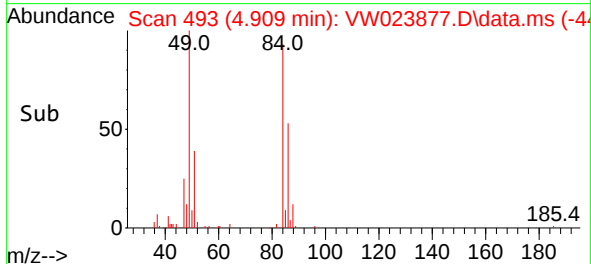
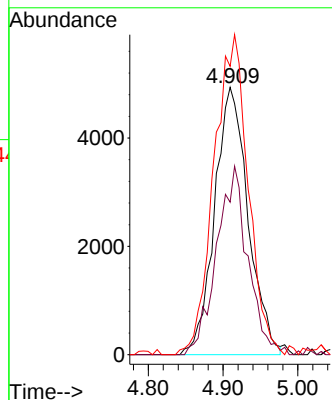
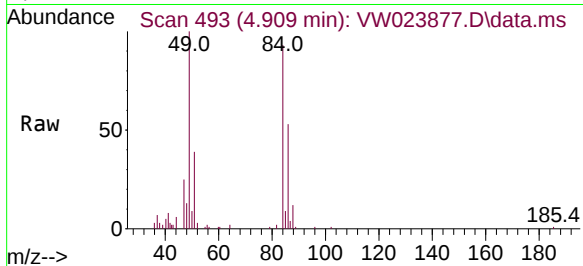




#16
Methylene chloride
Concen: 5.202 ug/L
RT: 4.909 min Scan# 493
Delta R.T. 0.000 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

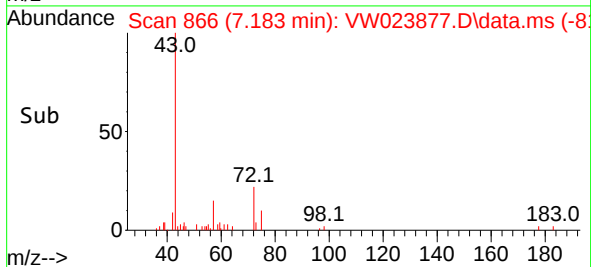
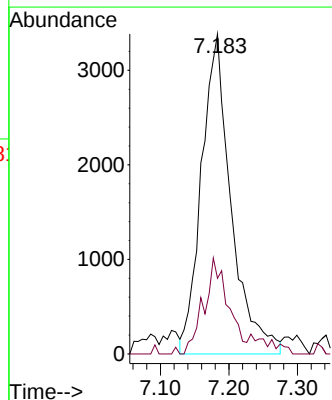
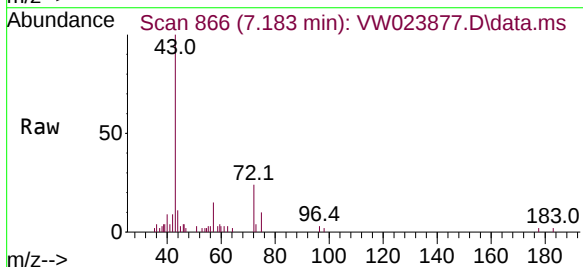
Instrument :
MSVOA_W
ClientSampleId :
H0B23

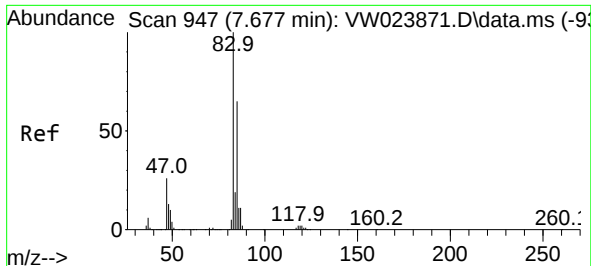
Tgt Ion: 84 Resp: 15390
Ion Ratio Lower Upper
84 100
86 57.1 42.8 79.6
49 107.9 85.4 158.6



#22
2-Butanone
Concen: 11.713 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

Tgt Ion: 43 Resp: 10201
Ion Ratio Lower Upper
43 100
72 18.9 14.7 44.1

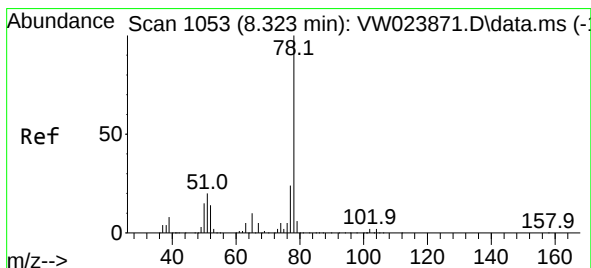
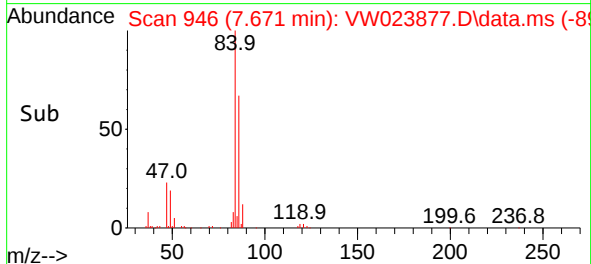
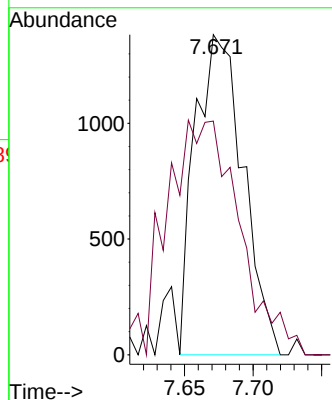
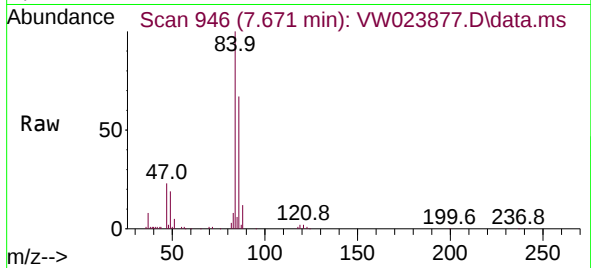




#25
Chloroform
Concen: 0.655 ug/L
RT: 7.671 min Scan# 947
Delta R.T. -0.006 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

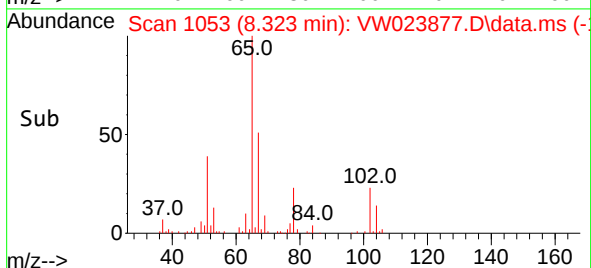
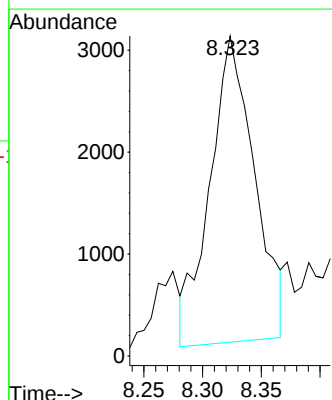
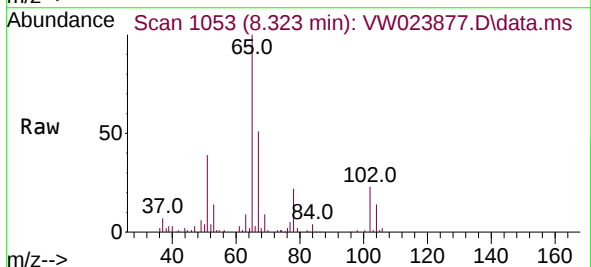
Instrument :
MSVOA_W
ClientSampleId :
H0B23

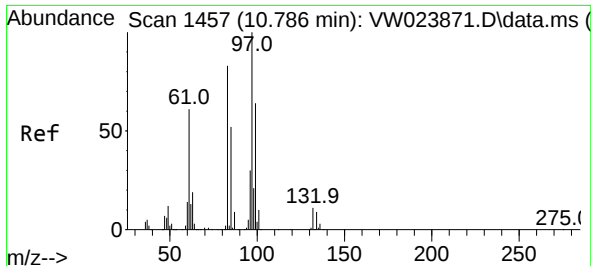
Tgt Ion: 83 Resp: 3389
Ion Ratio Lower Upper
83 100
85 73.0 41.9 77.9



#33
Benzene
Concen: 0.918 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

Tgt Ion: 78 Resp: 7976

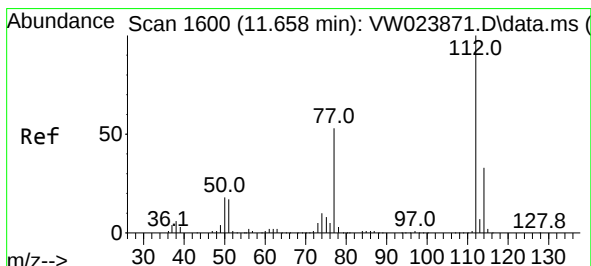
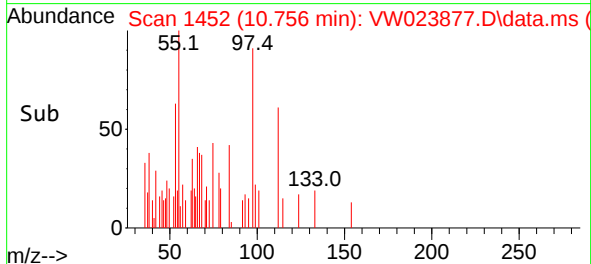
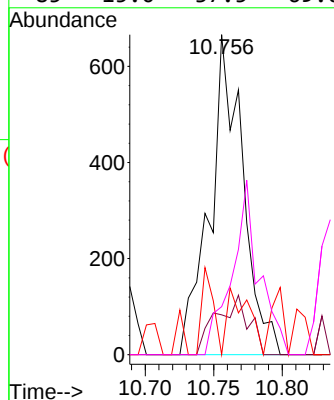
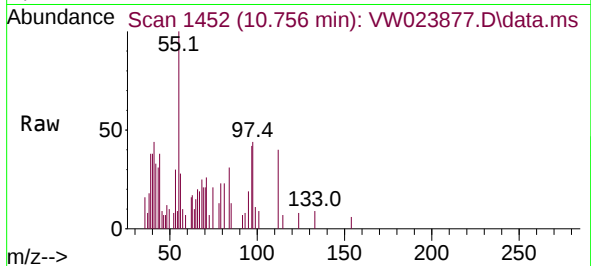




#45
1,1,2-Trichloroethane
Concen: 0.583 ug/L
RT: 10.756 min Scan# 1457
Delta R.T. -0.030 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

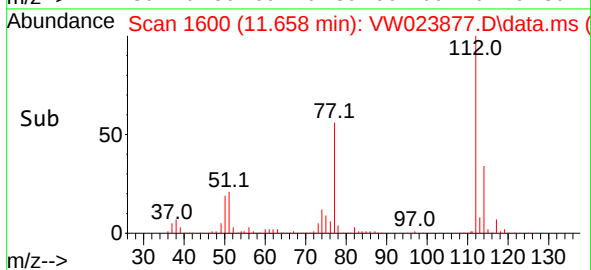
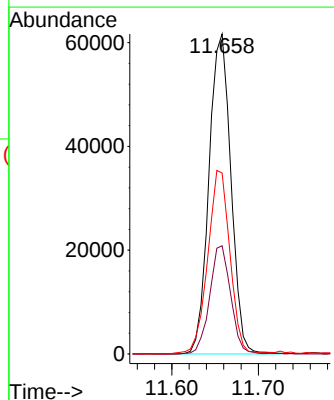
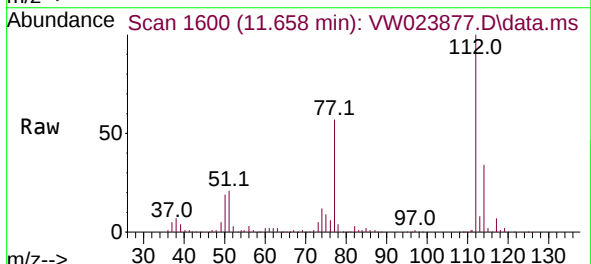
Instrument :
MSVOA_W
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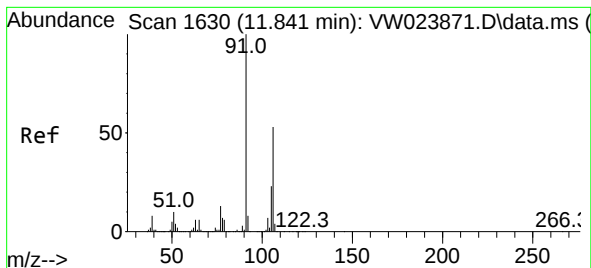
Tgt Ion: 97	Resp:	1110
Ion Ratio	Lower	Upper
97	100	
99	12.5	44.2 82.2#
83	0.0	59.8 111.0#
85	15.0	37.5 69.6#



#51
Chlorobenzene
Concen: 16.243 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

Tgt Ion: 112	Resp:	108547
Ion Ratio	Lower	Upper
112	100	
114	33.8	21.1 39.3
77	56.5	46.6 69.8





#53

m,p-Xylene

Concen: 3.657 ug/L

RT: 11.841 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW023877.D

Acq: 19 Jul 2022 12:15

Instrument :

MSVOA_W

ClientSampleId :

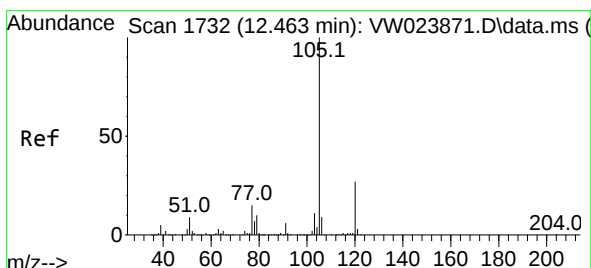
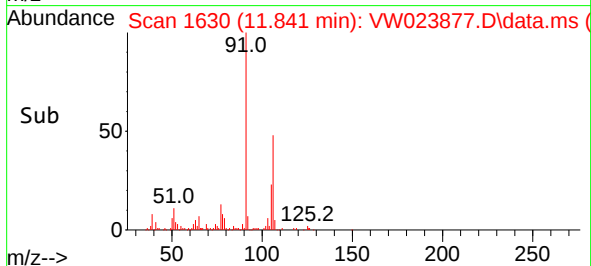
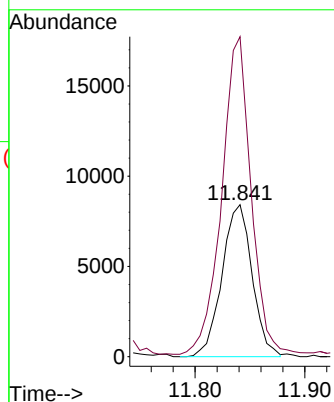
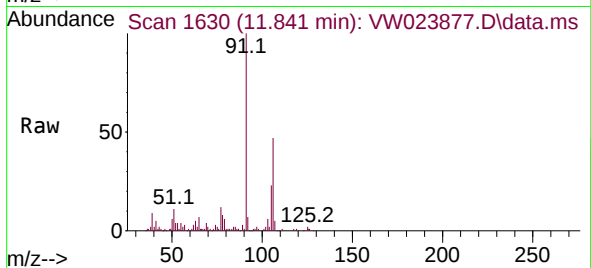
H0B23

Tgt Ion:106 Resp: 16066

Ion Ratio Lower Upper

106 100

91 210.6 142.8 265.2



#60

Isopropylbenzene

Concen: 9.634 ug/L

RT: 12.463 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VW023877.D

Acq: 19 Jul 2022 12:15

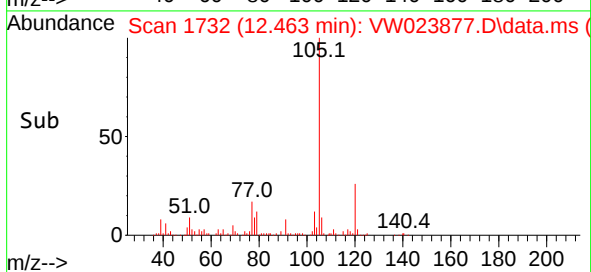
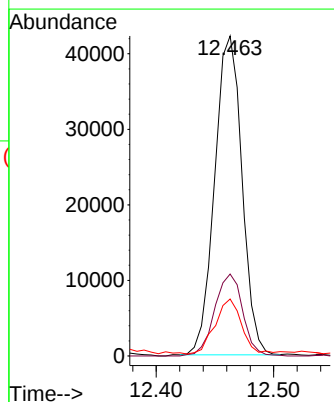
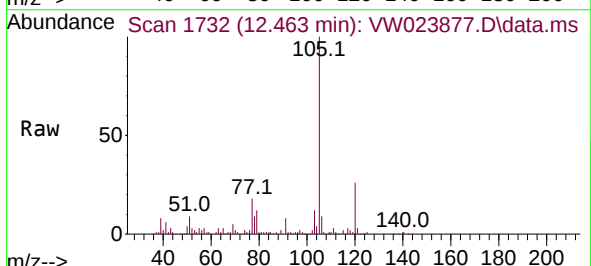
Tgt Ion:105 Resp: 68151

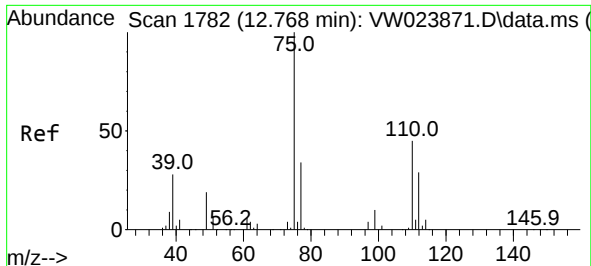
Ion Ratio Lower Upper

105 100

120 26.4 20.7 31.1

77 16.4 13.2 19.8





#61

1,2,3-Trichloropropane

Concen: 0.923 ug/L

RT: 12.804 min Scan# 11

Delta R.T. 0.037 min

Lab File: VW023877.D

Acq: 19 Jul 2022 12:15

Instrument :

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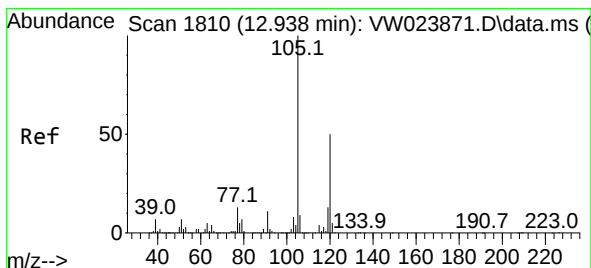
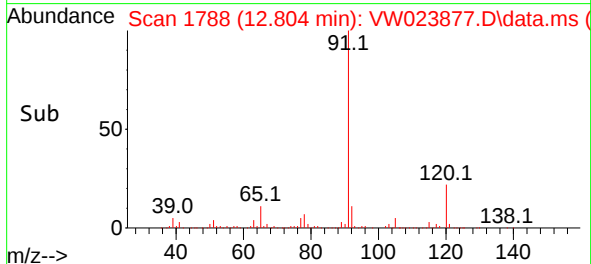
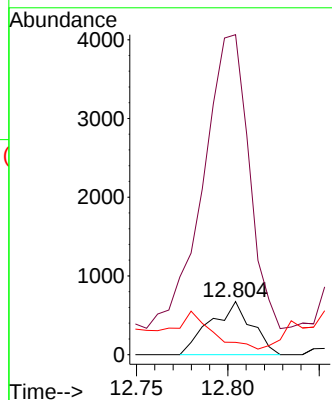
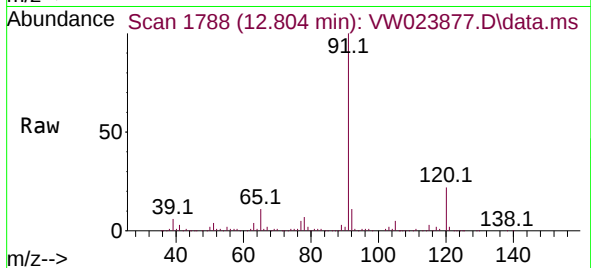
Tgt Ion: 75 Resp: 1066

Ion Ratio Lower Upper

75 100

77 609.7 25.0 37.4#

110 26.4 31.9 47.9#



#62

1,3,5-Trimethylbenzene

Concen: 1.610 ug/L

RT: 12.938 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VW023877.D

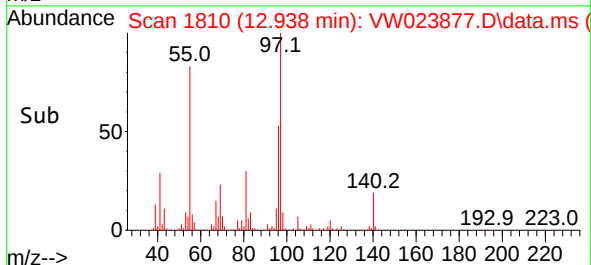
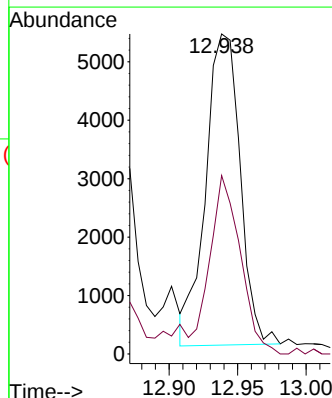
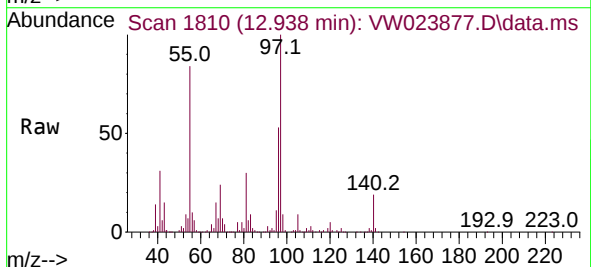
Acq: 19 Jul 2022 12:15

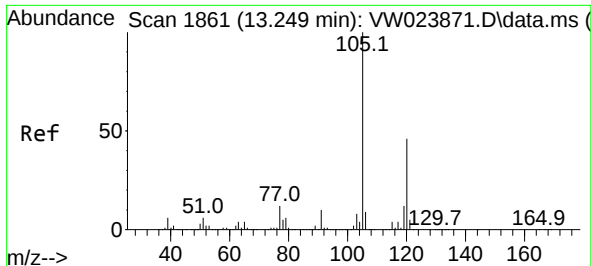
Tgt Ion: 105 Resp: 9325

Ion Ratio Lower Upper

105 100

120 50.8 38.7 58.1

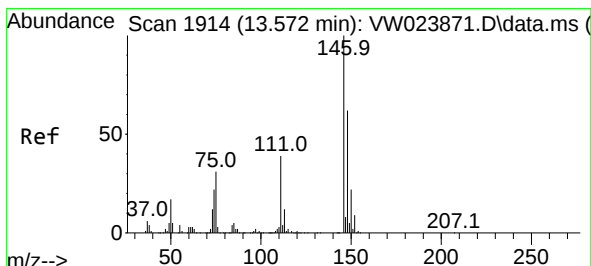
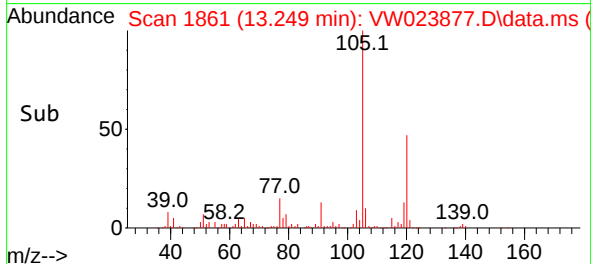
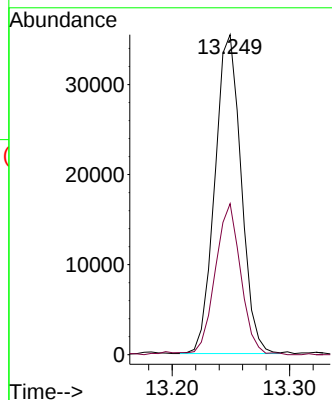
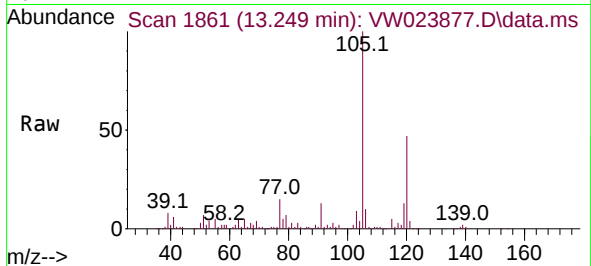




#63
1,2,4-Trimethylbenzene
Concen: 9.499 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

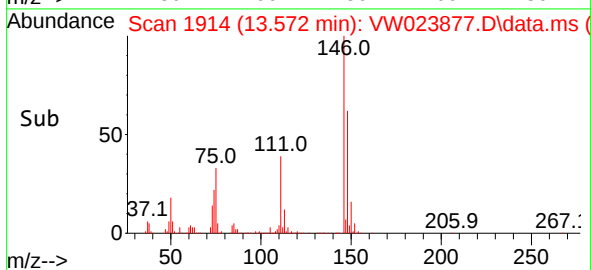
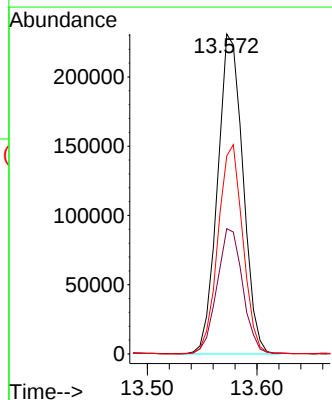
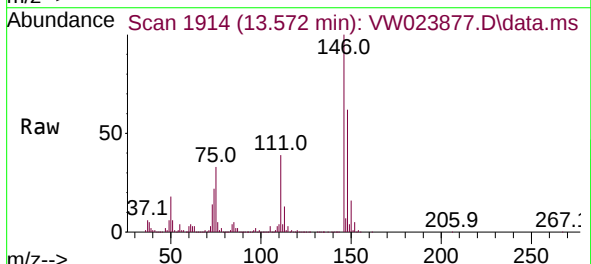
Instrument :
MSVOA_W
ClientSampleId :
H0B23

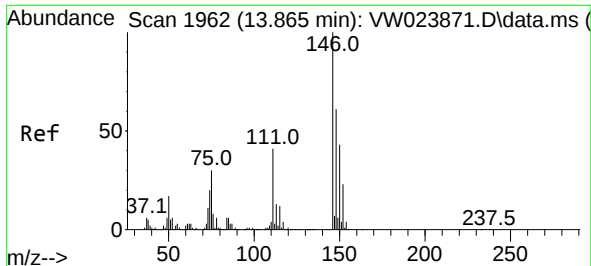
Tgt Ion:105 Resp: 55002
Ion Ratio Lower Upper
105 100
120 45.7 35.5 53.3



#65
1,4-Dichlorobenzene
Concen: 108.804 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

Tgt Ion:146 Resp: 371798
Ion Ratio Lower Upper
146 100
111 39.2 29.4 54.6
148 61.9 44.4 82.5





#67

1,2-Dichlorobenzene

Concen: 1.701 ug/L

RT: 13.865 min Scan# 1962

Delta R.T. -0.000 min

Lab File: VW023877.D

Acq: 19 Jul 2022 12:15

Instrument :

MSVOA_W

ClientSampleId :

H0B23

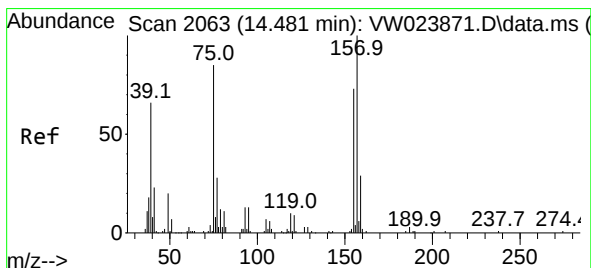
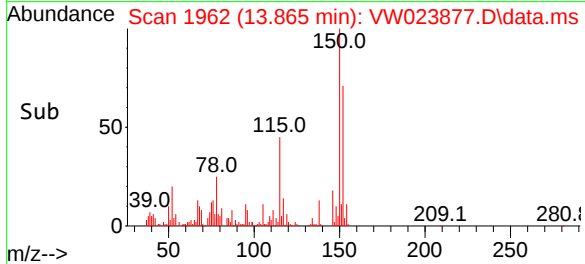
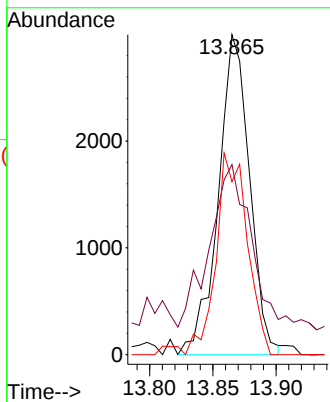
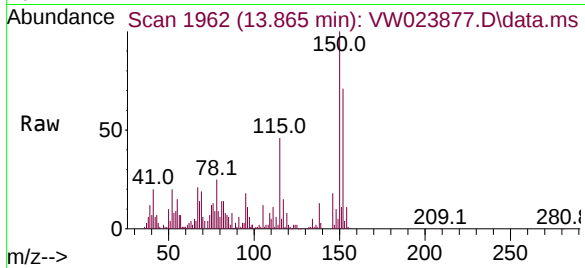
Tgt Ion:146 Resp: 5152

Ion Ratio Lower Upper

146 100

111 59.4 35.9 53.9#

148 54.0 51.3 76.9



#68

1,2-Dibromo-3-chloropropane

Concen: 4.592 ug/L

RT: 14.200 min Scan# 2017

Delta R.T. -0.280 min

Lab File: VW023877.D

Acq: 19 Jul 2022 12:15

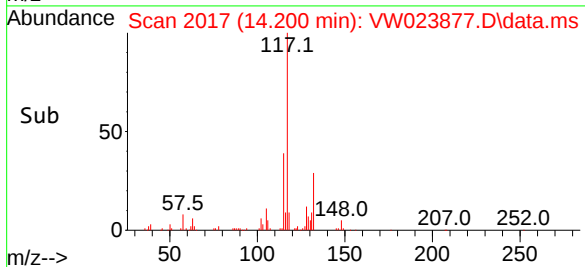
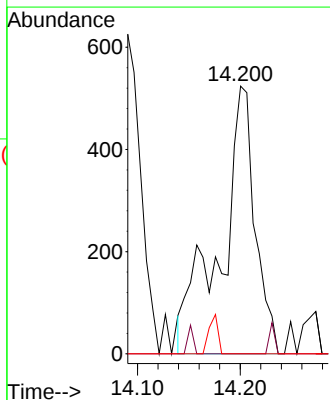
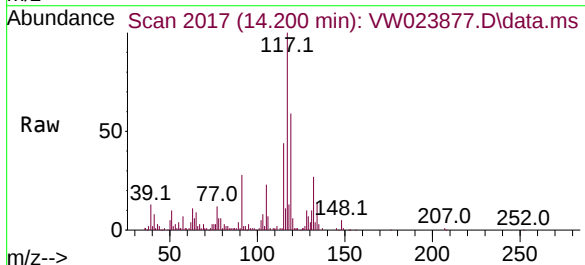
Tgt Ion: 75 Resp: 1223

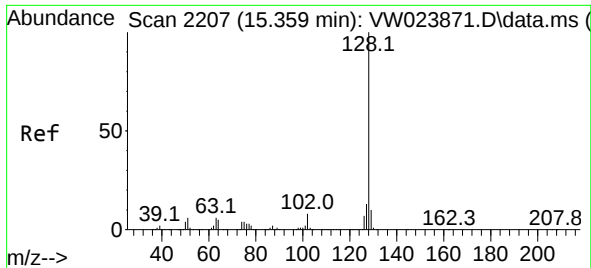
Ion Ratio Lower Upper

75 100

155 0.0 51.7 77.5#

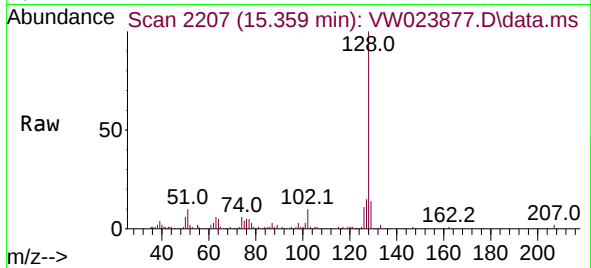
157 0.0 63.5 95.3#





#71
Naphthalene
Concen: 9.383 ug/L
RT: 15.359 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW023877.D
Acq: 19 Jul 2022 12:15

Instrument :
MSVOA_W
ClientSampleId :
H0B23



Tgt Ion:128 Resp: 33040
Ion Ratio Lower Upper
128 100
127 14.4 11.0 16.4
129 10.2 9.0 13.4

