

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111023\
 Data File : VW032911.D
 Acq On : 10 Nov 2023 23:29
 Operator : SY/MD
 Sample : 05296-12 10X
 Misc : 4.56gm/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3S6

Quant Time: Nov 11 01:31:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 08 01:37:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	392714	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	383265	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	205554	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	127875	34.235	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.460%		
7) Chloroethane-d5	1.523	69	122599	39.245	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	78.480%		
11) 1,1-Dichloroethene-d2	2.056	65	58083	37.647	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.300%		
21) 2-Butanone-d5	3.783	46	141149	87.120	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	87.120%		
24) Chloroform-d	4.249	84	252673	42.380	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.760%		
26) 1,2-Dichloroethane-d4	4.940	65	164888	44.498	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.000%		
32) Benzene-d6	4.960	84	495348	50.267	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.540%		
36) 1,2-Dichloropropane-d6	5.989	67	162041	54.125	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.260%		
41) Toluene-d8	7.243	98	444203	45.779	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.560%		
43) trans-1,3-Dichloroprop...	7.555	79	77785	49.888	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	99.780%		
47) 2-Hexanone-d5	8.024	63	116396	106.497	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.500%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	224396	49.393	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.780%		
66) 1,2-Dichlorobenzene-d4	11.561	152	200440	50.601	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.200%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	3.815	96	59149	19.104	ug/L	97
34) Trichloroethene	5.838	95	14115	4.989	ug/L	96
42) Toluene	7.317	91	405673	35.051	ug/L	98
46) Tetrachloroethene	7.908	164	100916	39.534	ug/L	97
51) Chlorobenzene	8.818	112	100426	12.257	ug/L	97
52) Ethylbenzene	8.947	91	883151	69.175	ug/L	100
53) m,p-Xylene	9.072	106	2551414	525.100	ug/L	99
54) o-Xylene	9.480	106	1170975	248.761	ug/L	98
60) Isopropylbenzene	9.873	105	13283	1.066	ug/L #	91
62) 1,3,5-Trimethylbenzene	10.480	105	14876	1.516	ug/L	94
63) 1,2,4-Trimethylbenzene	10.853	105	31360	3.342	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	50090	7.713	ug/L	100
65) 1,4-Dichlorobenzene	11.210	146	152519	22.258	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	108101	16.305	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	1783643	439.921	ug/L	99
71) Naphthalene	13.445	128	22612	2.233	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.683	180	1113660	275.105	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Wed Nov 08 01:37:19 2023
Response via : Initial Calibration

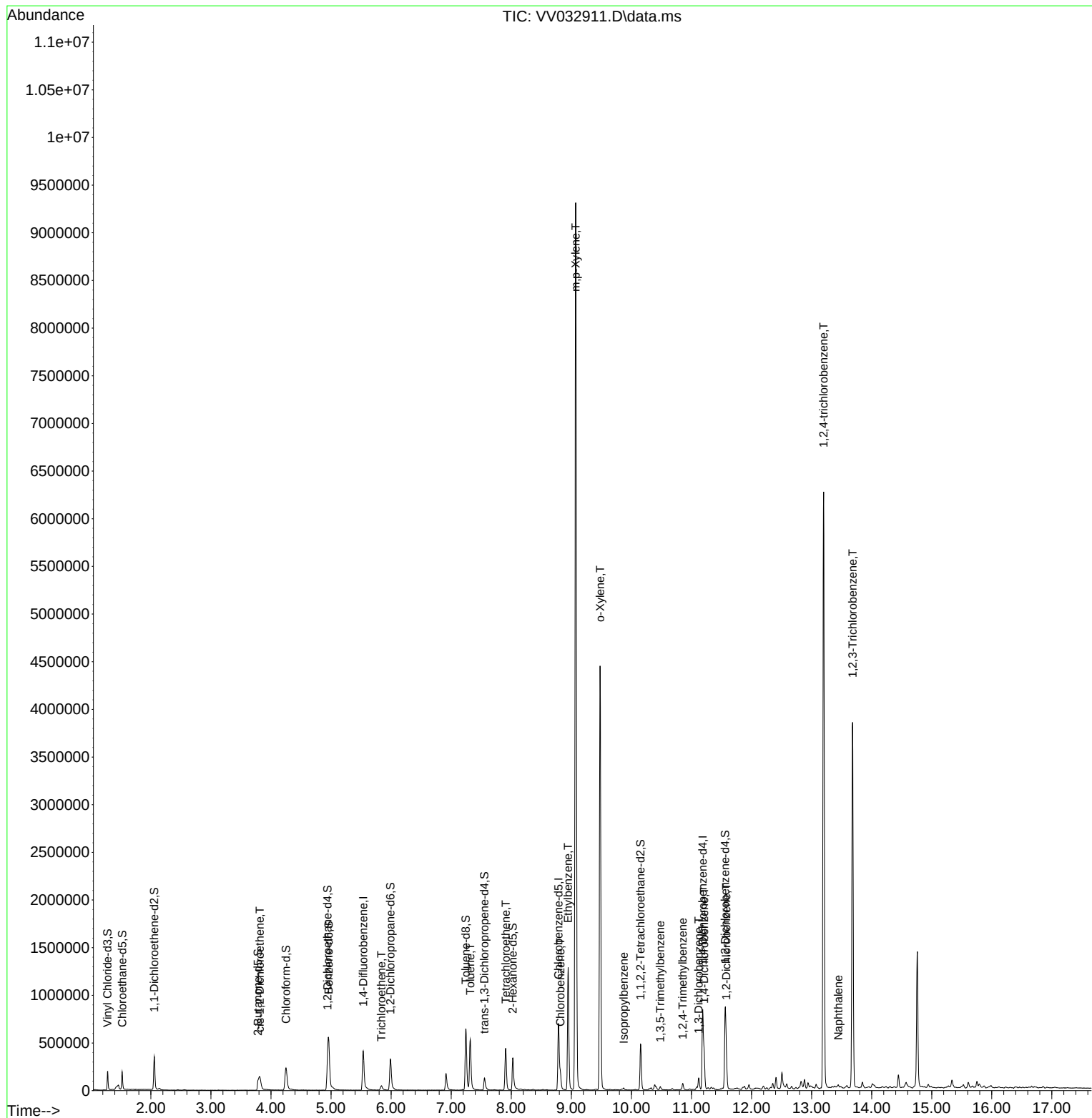
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

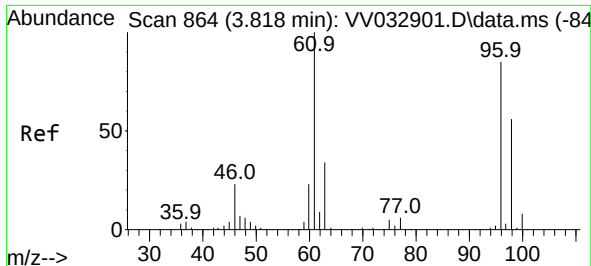
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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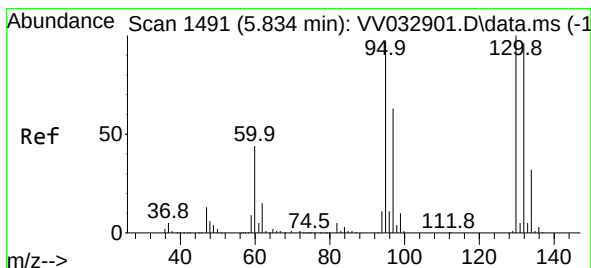
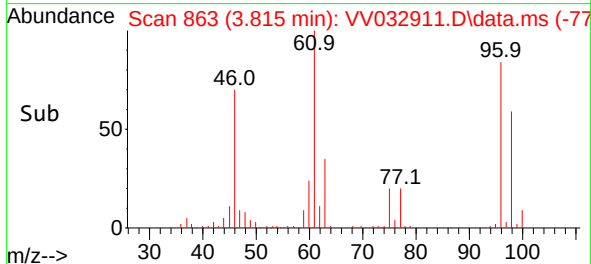
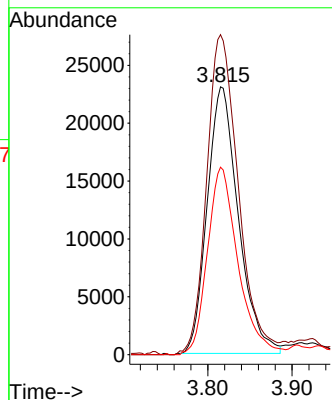
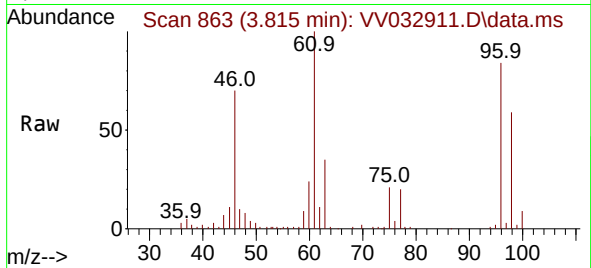




#20
cis-1,2-Dichloroethene
Concen: 19.104 ug/L
RT: 3.815 min Scan# 863
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

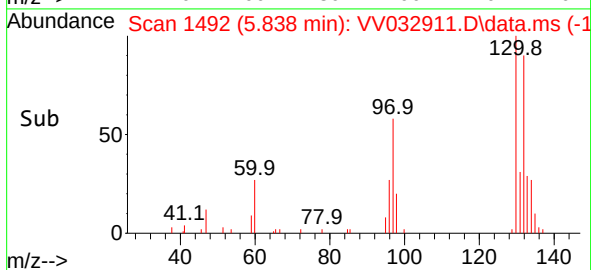
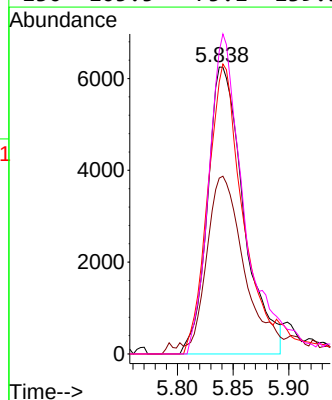
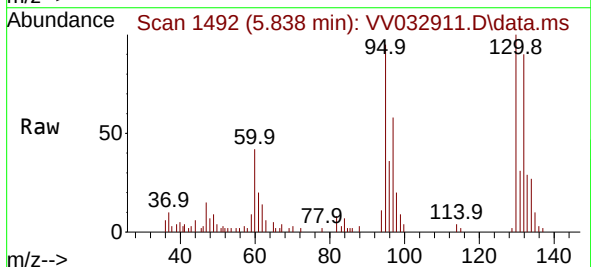
Instrument :
MSVOA_V
ClientSampleId :
BH3S6

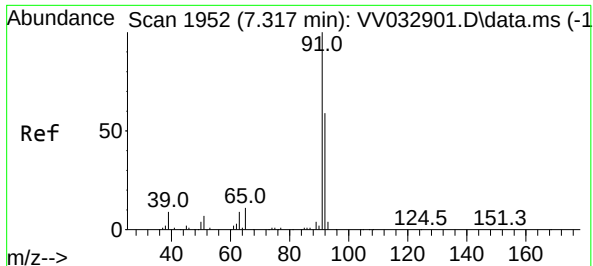
Tgt Ion: 96 Resp: 59149
Ion Ratio Lower Upper
96 100
61 119.5 83.3 154.7
98 70.1 44.2 82.2



#34
Trichloroethene
Concen: 4.989 ug/L
RT: 5.838 min Scan# 1492
Delta R.T. 0.003 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

Tgt Ion: 95 Resp: 14115
Ion Ratio Lower Upper
95 100
97 61.3 46.3 85.9
132 94.8 69.0 128.2
130 105.5 75.1 139.5

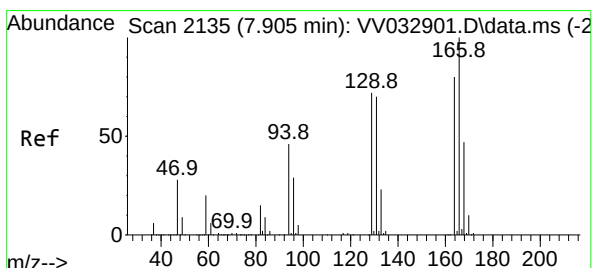
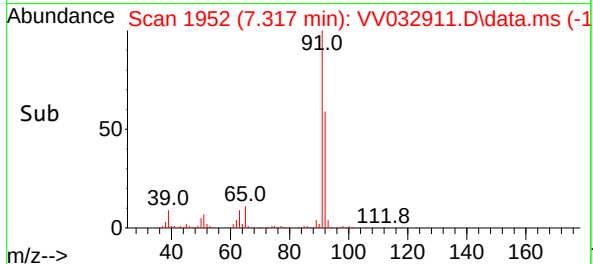
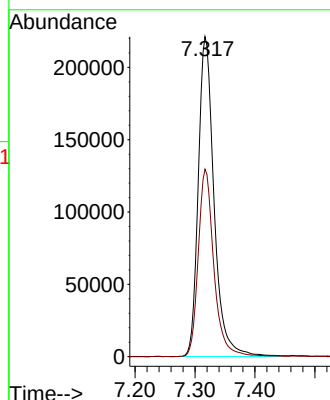
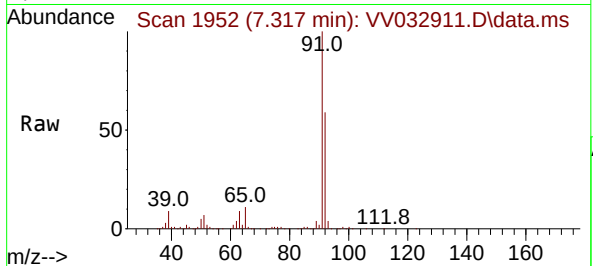




#42
Toluene
Concen: 35.051 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

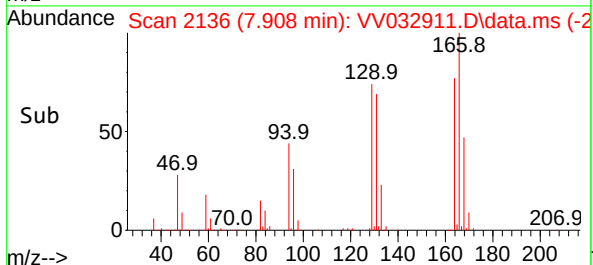
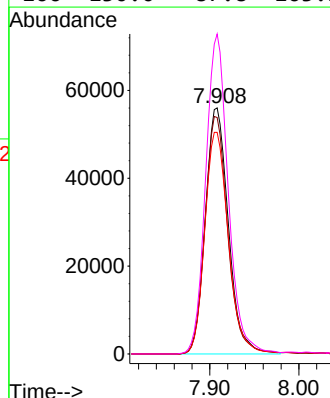
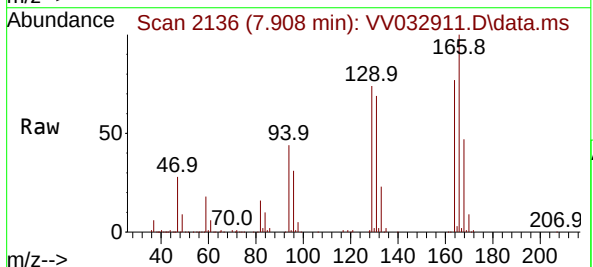
Instrument :
MSVOA_V
ClientSampleId :
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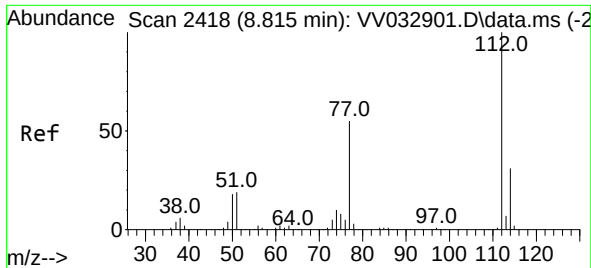
Tgt Ion: 91 Resp: 405673
Ion Ratio Lower Upper
91 100
92 58.6 40.0 74.2



#46
Tetrachloroethene
Concen: 39.534 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

Tgt Ion:164 Resp: 100916
Ion Ratio Lower Upper
164 100
129 96.1 65.3 121.3
131 90.1 65.0 120.8
166 130.0 87.8 163.2

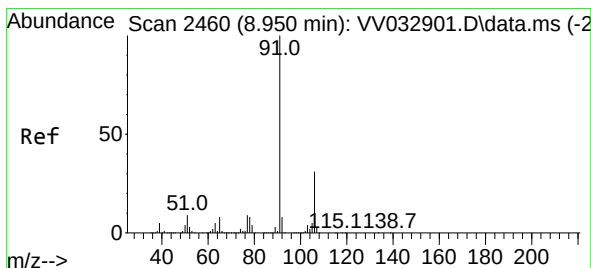
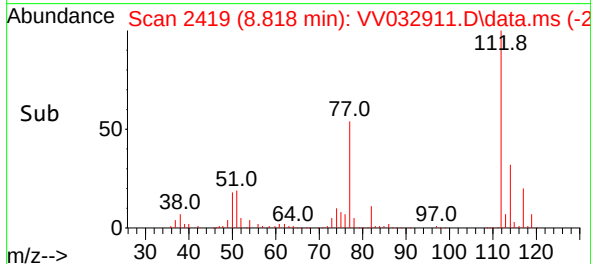
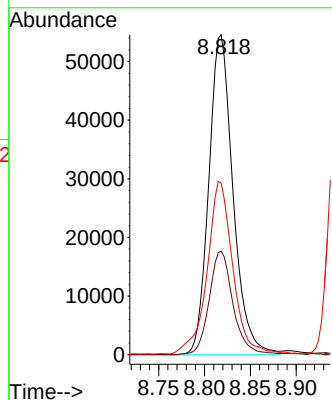
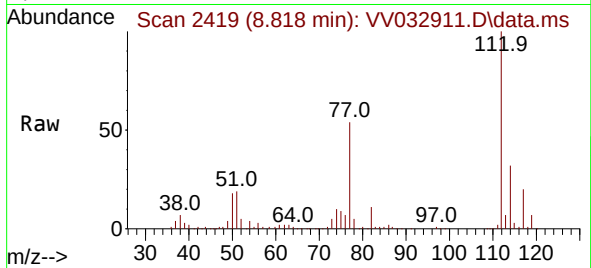




#51
Chlorobenzene
Concen: 12.257 ug/L
RT: 8.818 min Scan# 2418
Delta R.T. 0.003 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

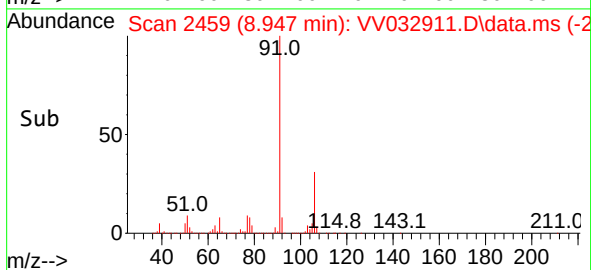
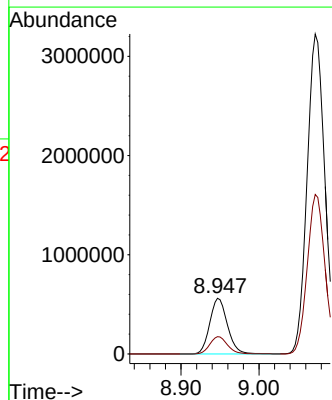
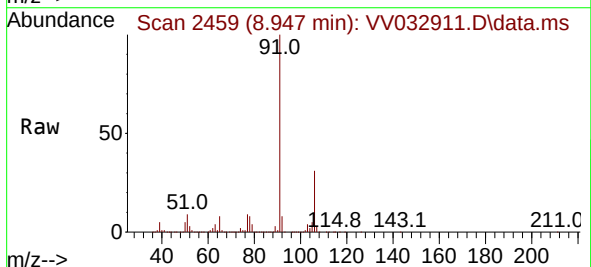
Instrument :
MSVOA_V
ClientSampleId :
BH3S6

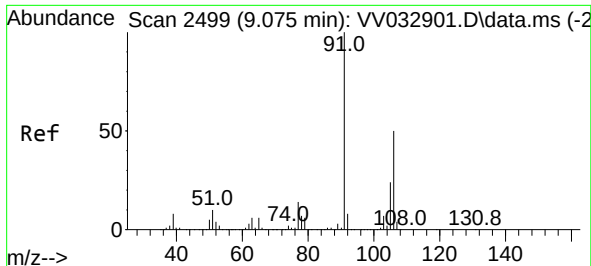
Tgt Ion:112 Resp: 100426
Ion Ratio Lower Upper
112 100
114 32.3 21.6 40.2
77 53.7 44.4 66.6



#52
Ethylbenzene
Concen: 69.175 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

Tgt Ion: 91 Resp: 883151
Ion Ratio Lower Upper
91 100
106 31.1 21.7 40.3

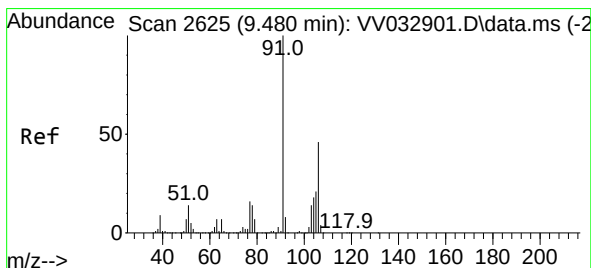
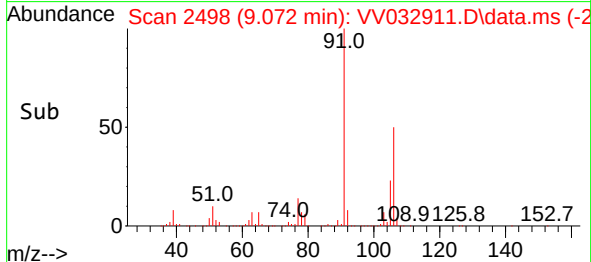
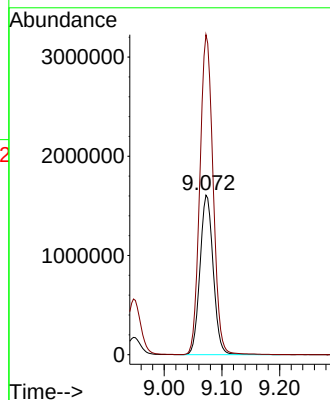
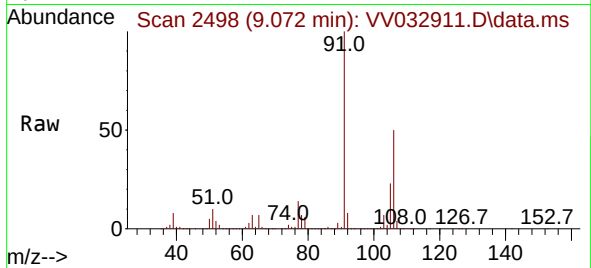




#53
m,p-Xylene
Concen: 525.100 ug/L
RT: 9.072 min Scan# 2499
Delta R.T. -0.003 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

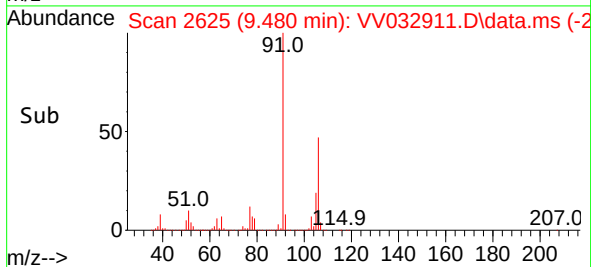
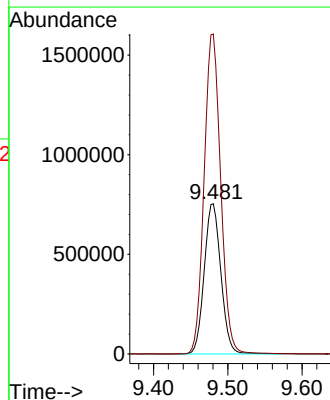
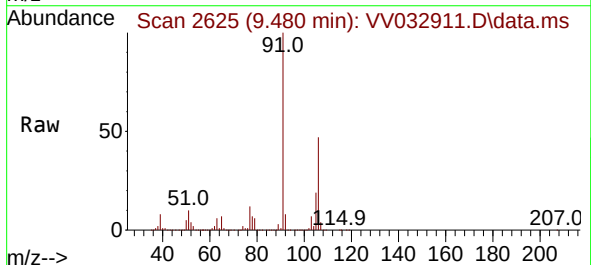
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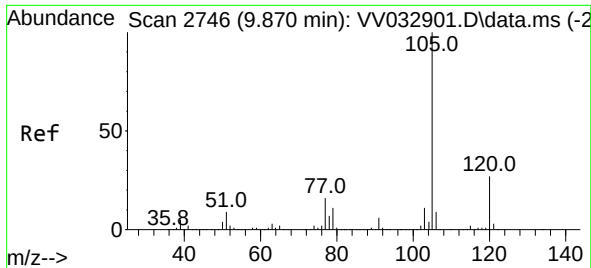
Tgt Ion:106 Resp: 2551414
Ion Ratio Lower Upper
106 100
91 200.5 139.7 259.5



#54
o-Xylene
Concen: 248.761 ug/L
RT: 9.480 min Scan# 2625
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

Tgt Ion:106 Resp: 1170975
Ion Ratio Lower Upper
106 100
91 213.0 151.0 280.4

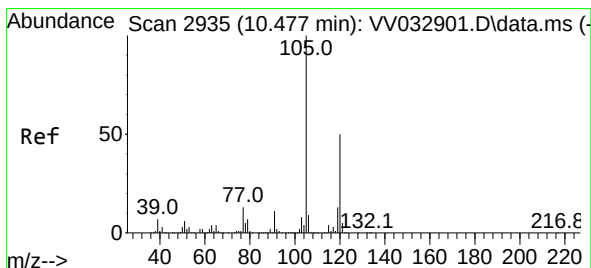
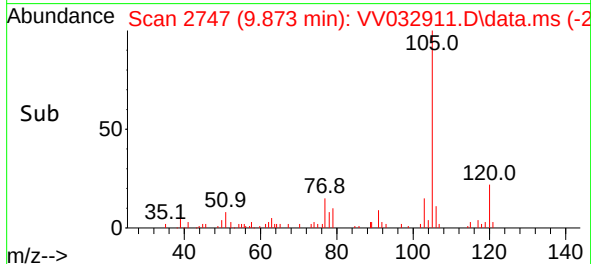
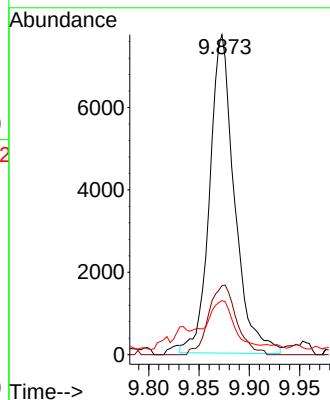
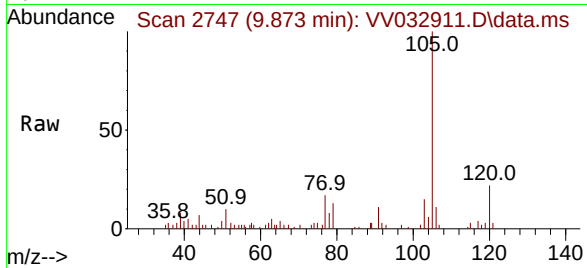




#60
Isopropylbenzene
Concen: 1.066 ug/L
RT: 9.873 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

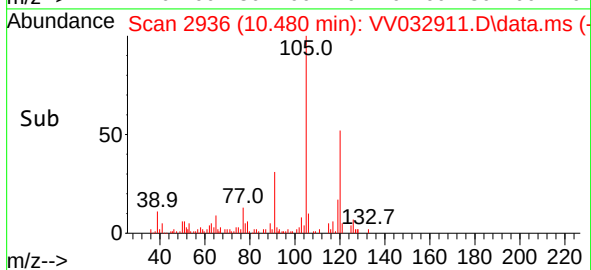
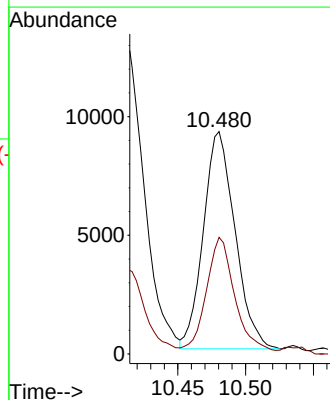
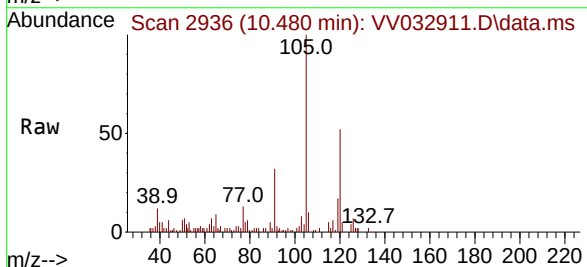
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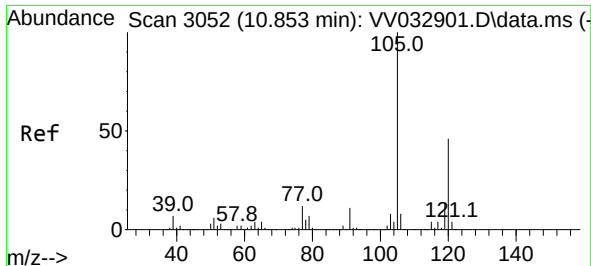
Tgt Ion:105 Resp: 13283
Ion Ratio Lower Upper
105 100
120 20.8 21.1 31.7#
77 13.4 12.6 19.0



#62
1,3,5-Trimethylbenzene
Concen: 1.516 ug/L
RT: 10.480 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

Tgt Ion:105 Resp: 14876
Ion Ratio Lower Upper
105 100
120 45.4 39.9 59.9

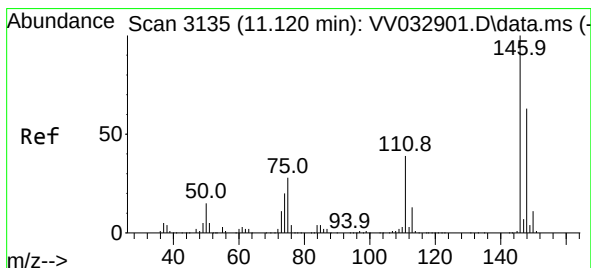
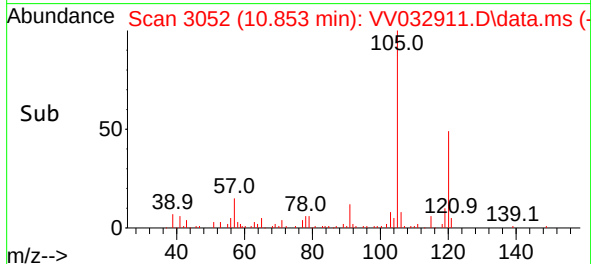
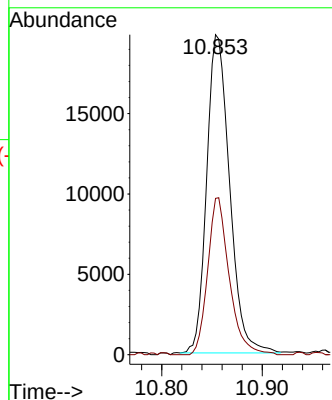
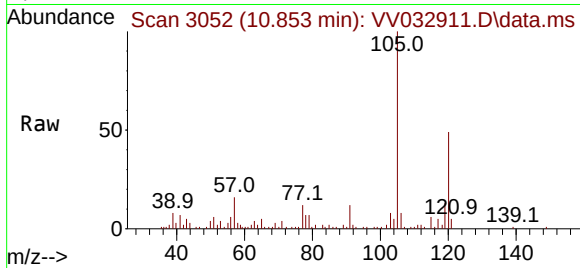




#63
1,2,4-Trimethylbenzene
Concen: 3.342 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

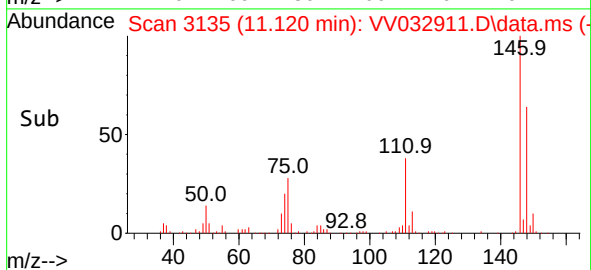
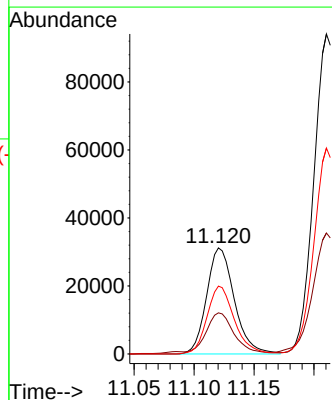
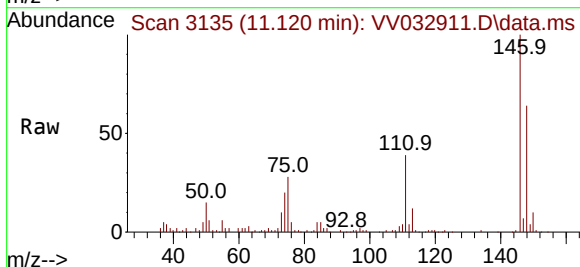
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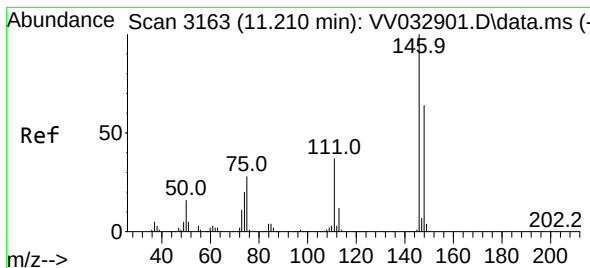
Tgt Ion:105 Resp: 31360
Ion Ratio Lower Upper
105 100
120 46.5 37.0 55.6



#64
1,3-Dichlorobenzene
Concen: 7.713 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. -0.000 min
Lab File: VV032911.D
Acq: 10 Nov 2023 23:29

Tgt Ion:146 Resp: 50090
Ion Ratio Lower Upper
146 100
111 38.8 27.2 50.4
148 63.9 44.6 82.8





#65

1,4-Dichlorobenzene

Concen: 22.258 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. -0.000 min

Lab File: VV032911.D

Acq: 10 Nov 2023 23:29

Instrument :

MSVOA_V

ClientSampleId :

BH3S6

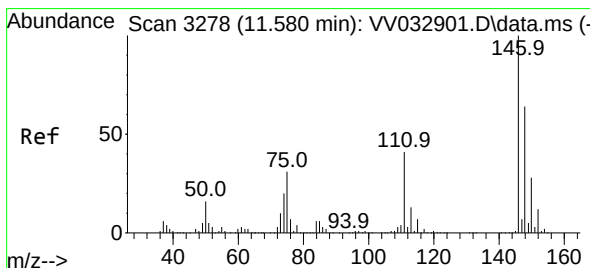
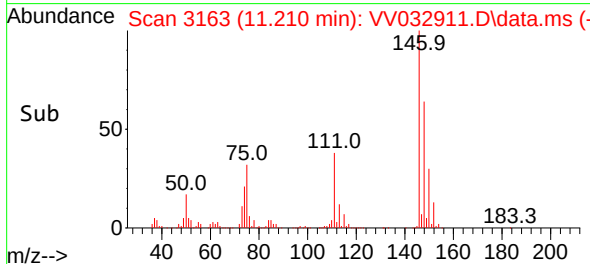
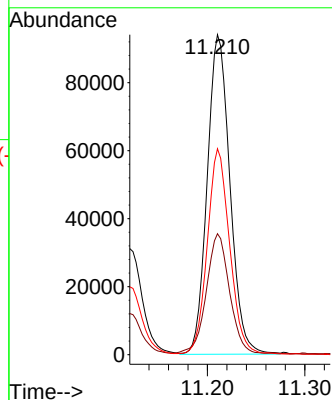
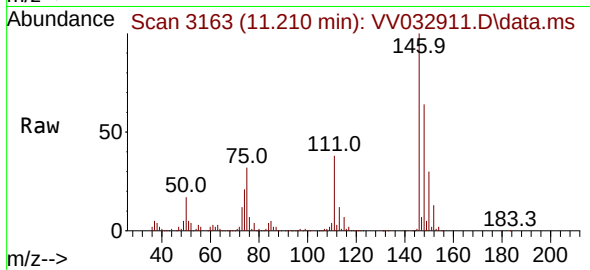
Tgt Ion:146 Resp: 152519

Ion Ratio Lower Upper

146 100

111 37.8 26.5 49.1

148 64.4 44.9 83.5



#67

1,2-Dichlorobenzene

Concen: 16.305 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VV032911.D

Acq: 10 Nov 2023 23:29

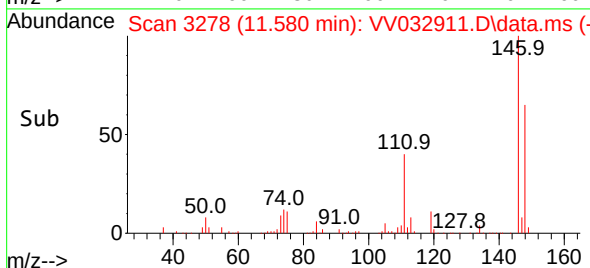
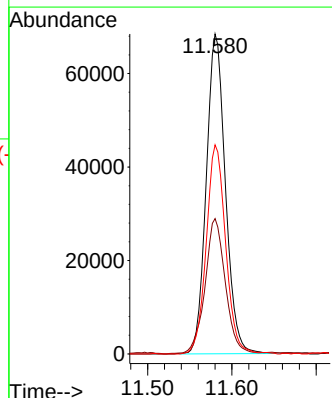
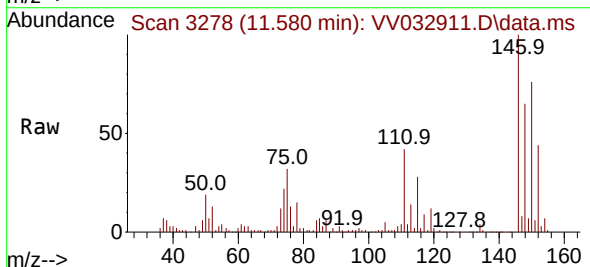
Tgt Ion:146 Resp: 108101

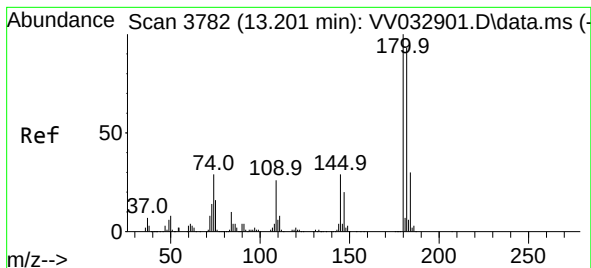
Ion Ratio Lower Upper

146 100

111 42.3 32.5 48.7

148 65.4 50.6 76.0





#70

1,2,4-trichlorobenzene

Concen: 439.921 ug/L

RT: 13.201 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV032911.D

Acq: 10 Nov 2023 23:29

Instrument :

MSVOA_V

ClientSampleId :

BH3S6

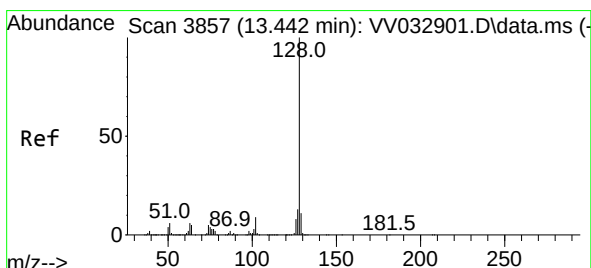
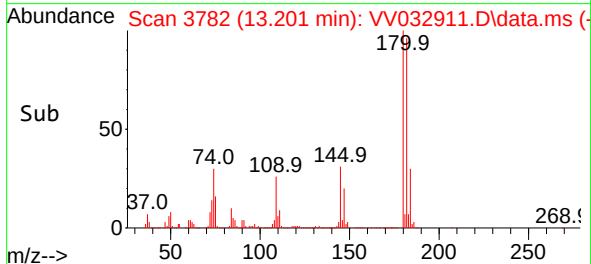
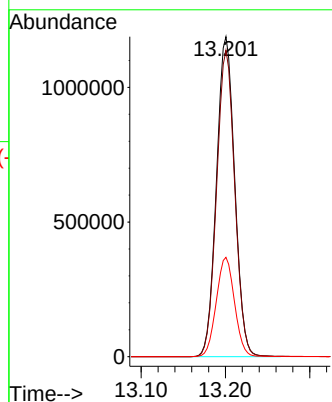
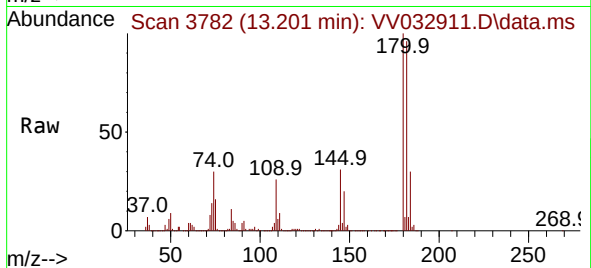
Tgt Ion:180 Resp: 1783643

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 31.0 24.7 37.1



#71

Naphthalene

Concen: 2.233 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.003 min

Lab File: VV032911.D

Acq: 10 Nov 2023 23:29

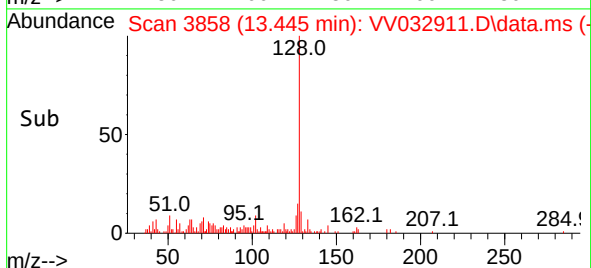
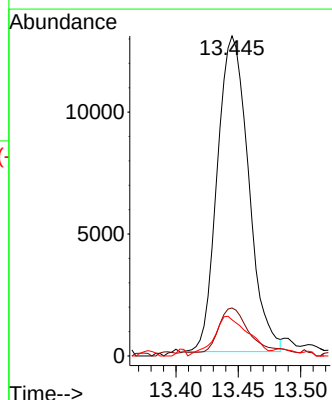
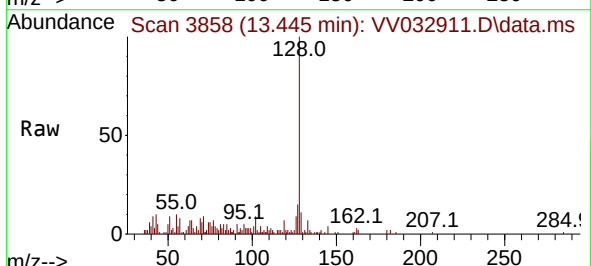
Tgt Ion:128 Resp: 22612

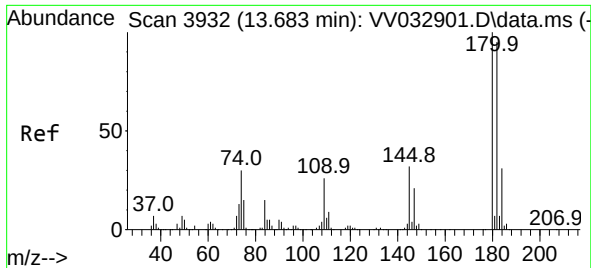
Ion Ratio Lower Upper

128 100

127 14.4 10.6 15.8

129 13.8 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 275.105 ug/L
 RT: 13.683 min Scan# 3932
 Delta R.T. -0.000 min
 Lab File: VV032911.D
 Acq: 10 Nov 2023 23:29

Instrument :
 MSVOA_V
 ClientSampleId :
 BH3S6

Tgt Ion:180 Resp: 1113660
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.4
 145 33.0 25.8 38.8

