

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071123\
 Data File : VW031675.D
 Acq On : 11 Jul 2023 12:29
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK224

Quant Time: Jul 12 08:00:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 12 07:50:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	231484	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	217123	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	83055	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	52179	24.904	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	49.800%#
7) Chloroethane-d5	1.532	69	60284	39.760	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.520%
11) 1,1-Dichloroethene-d2	2.063	65	22991	24.633	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.260%#
21) 2-Butanone-d5	3.796	46	166693	124.498	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	124.500%
24) Chloroform-d	4.259	84	166488	39.816	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.640%
26) 1,2-Dichloroethane-d4	4.950	65	115253	43.835	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.680%
32) Benzene-d6	4.966	84	238968	36.708	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.420%
36) 1,2-Dichloropropane-d6	5.995	67	108712	51.649	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.300%
41) Toluene-d8	7.249	98	156779	26.785	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	53.580%#
43) trans-1,3-Dichloroprop...	7.561	79	41305	39.300	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.600%
47) 2-Hexanone-d5	8.030	63	101118	125.338	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.340%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	166148	52.117	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.240%
66) 1,2-Dichlorobenzene-d4	11.567	152	72554	47.627	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.260%
Target Compounds						
					Qvalue	
13) Acetone	2.121	43	4703	4.065	ug/L	99
14) Carbon disulfide	2.246	76	18198	2.765	ug/L	97
17) trans-1,2-Dichloroethene	2.700	96	2307	1.130	ug/L	93
46) Tetrachloroethene	7.912	164	970	0.612	ug/L #	21
51) Chlorobenzene	8.821	112	3723	0.735	ug/L	93
60) Isopropylbenzene	9.873	105	3364	0.663	ug/L #	87
61) 1,2,3-Trichloropropane	10.214	75	2140	1.239	ug/L	97
62) 1,3,5-Trimethylbenzene	10.857	105	3884	0.937	ug/L	94
63) 1,2,4-Trimethylbenzene	10.857	105	3884	0.941	ug/L	99
64) 1,3-Dichlorobenzene	11.130	146	5002	1.899	ug/L	93
65) 1,4-Dichlorobenzene	11.214	146	6397	2.239	ug/L	97
67) 1,2-Dichlorobenzene	11.587	146	5518	2.042	ug/L #	90
68) 1,2-Dibromo-3-chloropr...	12.371	75	2422	4.595	ug/L #	75
69) 1,3,5-Trichlorobenzene	13.207	180	10895	5.521	ug/L	96
70) 1,2,4-trichlorobenzene	13.207	180	10895	6.231	ug/L	95
71) Naphthalene	13.445	128	66863	13.214	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	15439	8.421	ug/L	99

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Quant Title : VOC Analysis
QLast Update : Wed Jul 12 07:50:48 2023
Response via : Initial Calibration

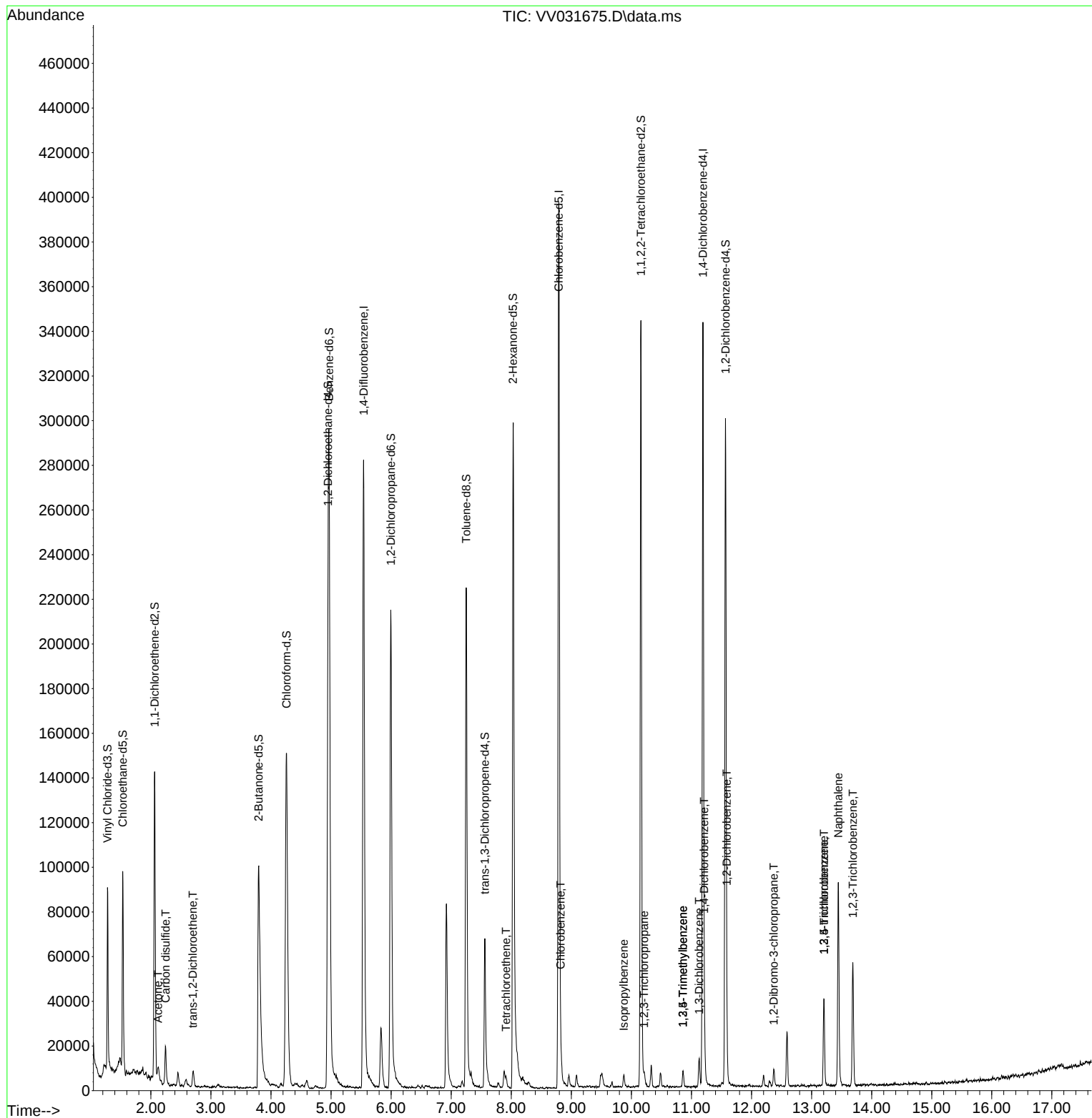
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

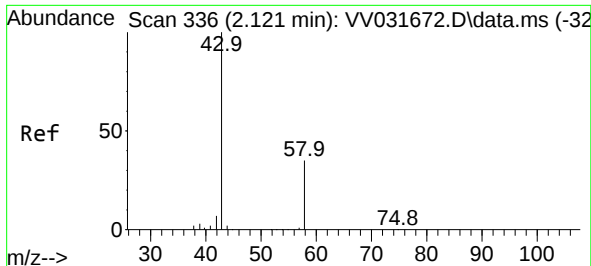
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#13

Acetone

Concen: 4.065 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

Instrument :

MSVOA_V

ClientSampleId :

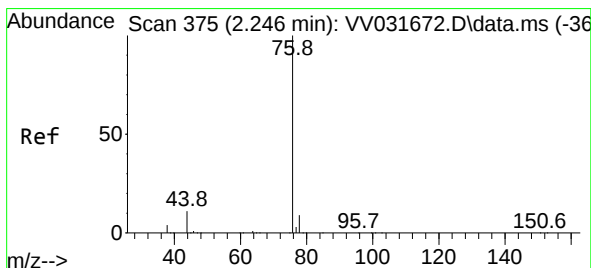
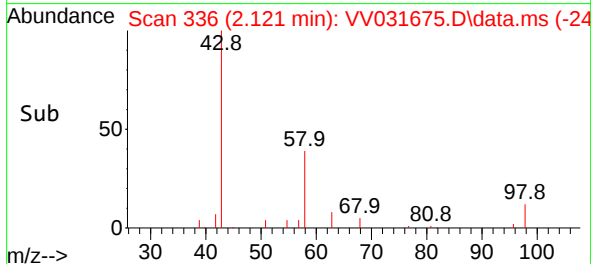
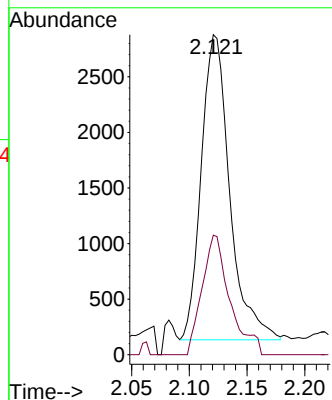
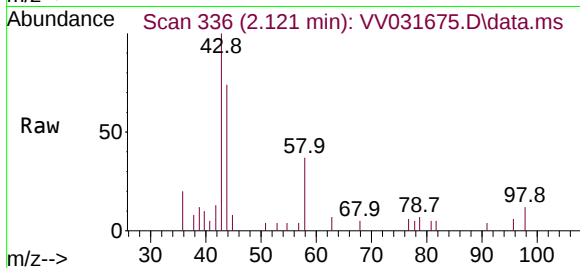
VIBLK224

Tgt Ion: 43 Resp: 4703

Ion Ratio Lower Upper

43 100

58 36.8 0.0 72.0



#14

Carbon disulfide

Concen: 2.765 ug/L

RT: 2.246 min Scan# 375

Delta R.T. 0.000 min

Lab File: VV031675.D

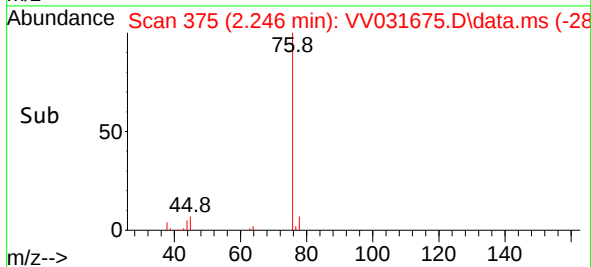
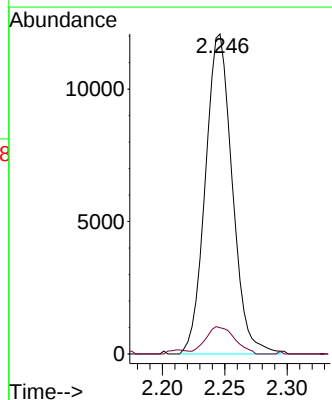
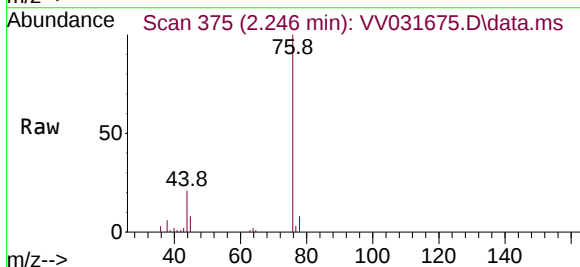
Acq: 11 Jul 2023 12:29

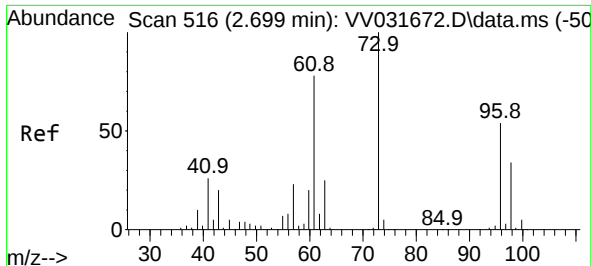
Tgt Ion: 76 Resp: 18198

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.0





#17

trans-1,2-Dichloroethene

Concen: 1.130 ug/L

RT: 2.700 min Scan# 516

Delta R.T. 0.000 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

Instrument :

MSVOA_V

ClientSampleId :

VIBLK224

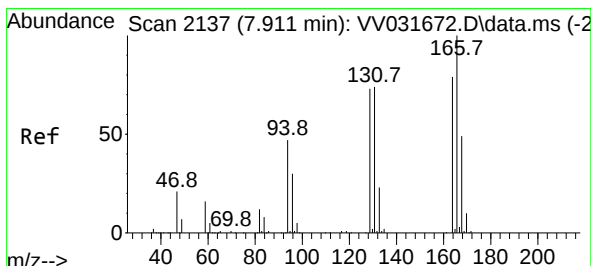
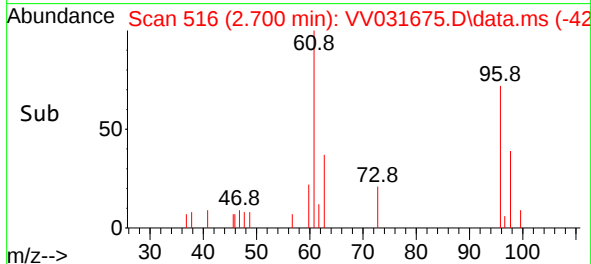
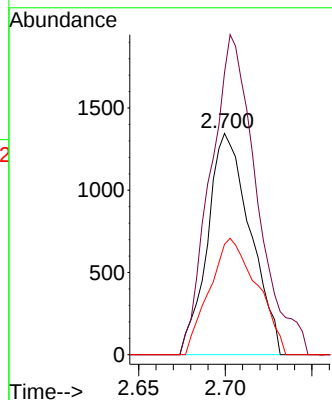
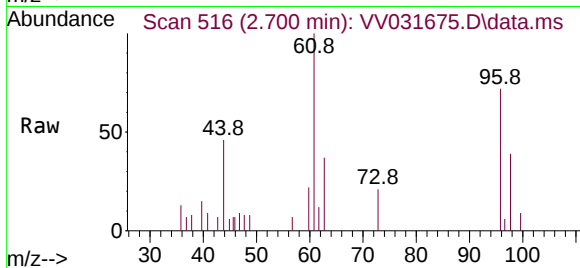
Tgt Ion: 96 Resp: 2307

Ion Ratio Lower Upper

96 100

61 142.3 101.6 188.6

98 49.9 44.7 82.9



#46

Tetrachloroethene

Concen: 0.612 ug/L

RT: 7.912 min Scan# 2137

Delta R.T. 0.000 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

Tgt Ion:164 Resp: 970

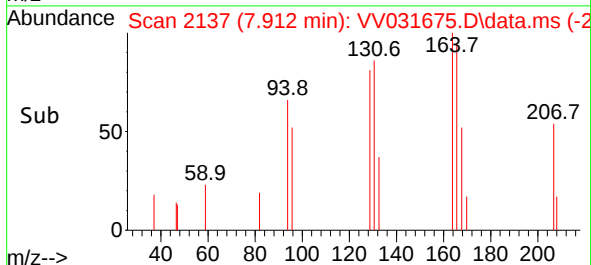
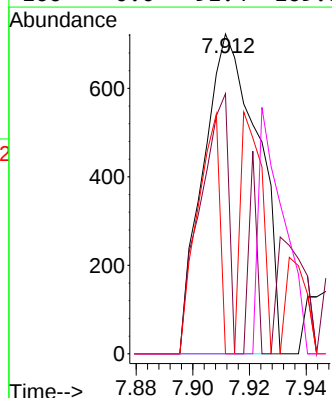
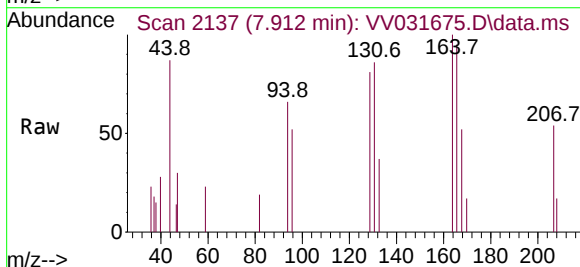
Ion Ratio Lower Upper

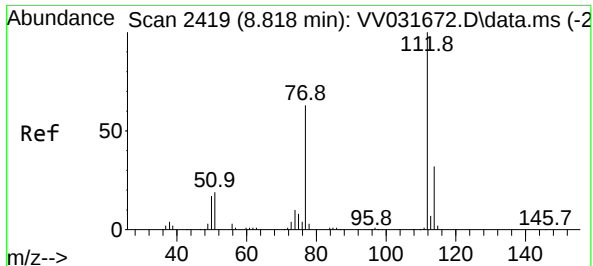
164 100

129 81.3 65.2 121.0

131 0.0 67.1 124.7#

166 0.0 91.4 169.8#

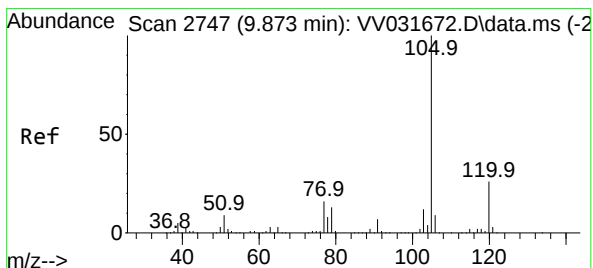
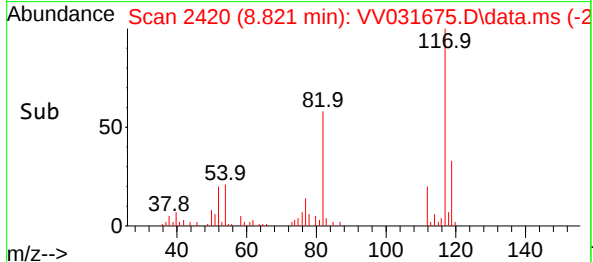
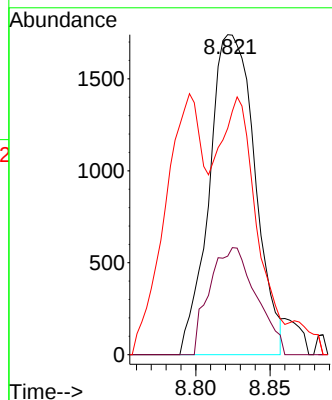
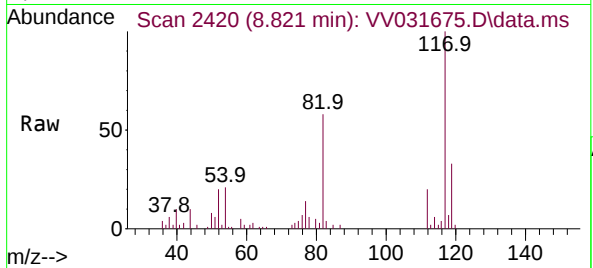




#51
Chlorobenzene
Concen: 0.735 ug/L
RT: 8.821 min Scan# 2419
Delta R.T. 0.003 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

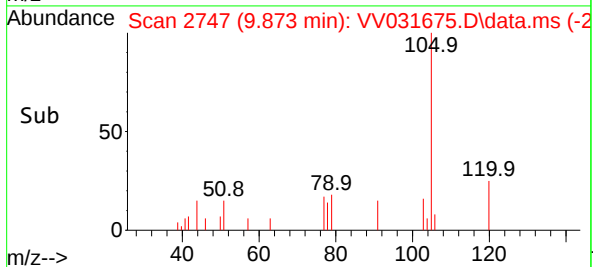
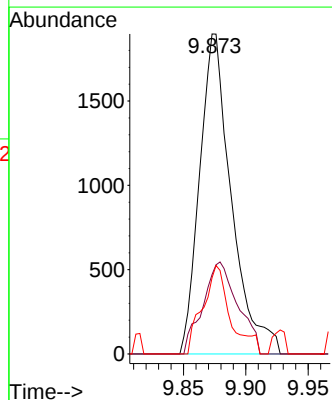
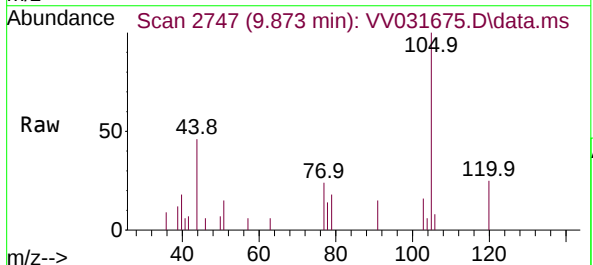
Instrument :
MSVOA_V
ClientSampleId :
VIBLK224

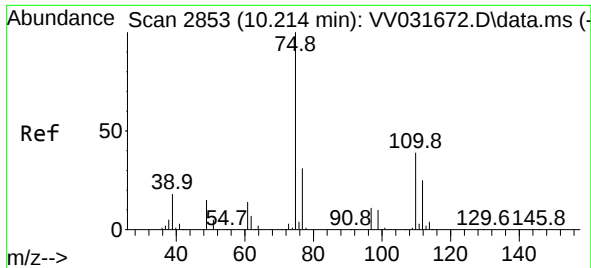
Tgt Ion:112 Resp: 3723
Ion Ratio Lower Upper
112 100
114 30.8 22.2 41.2
77 70.7 50.6 76.0



#60
Isopropylbenzene
Concen: 0.663 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. 0.000 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

Tgt Ion:105 Resp: 3364
Ion Ratio Lower Upper
105 100
120 31.8 20.6 30.8#
77 22.7 13.2 19.8#

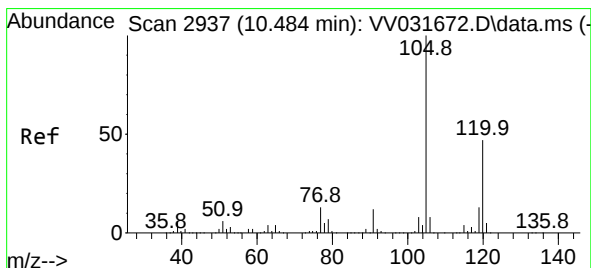
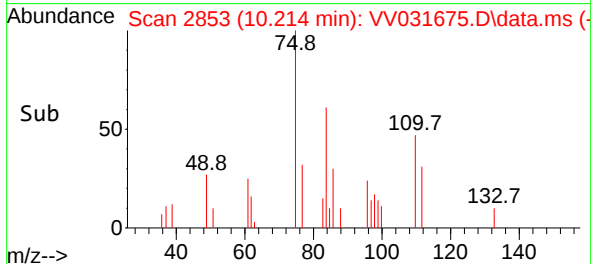
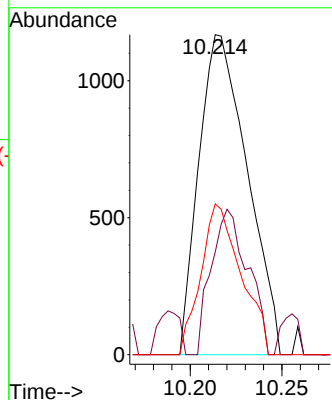
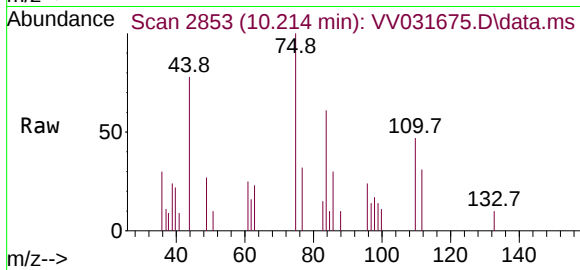




#61
1,2,3-Trichloropropane
Concen: 1.239 ug/L
RT: 10.214 min Scan# 2140
Delta R.T. 0.000 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

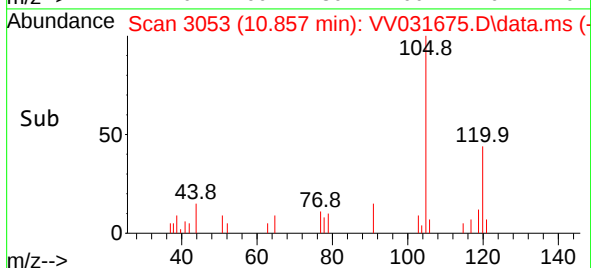
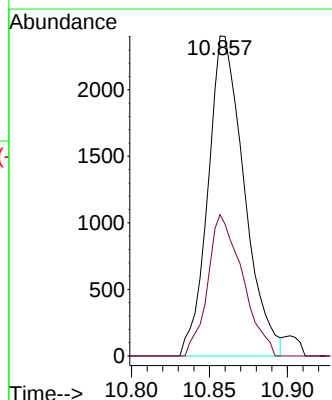
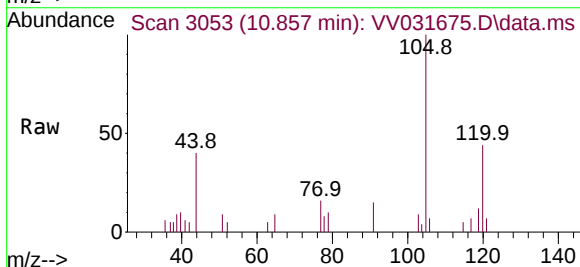
Instrument :
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ClientSampleId :
VIBLK224

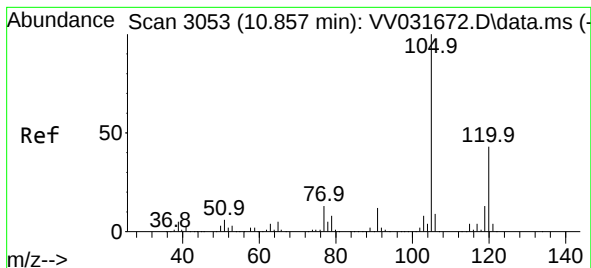
Tgt Ion: 75 Resp: 2140
Ion Ratio Lower Upper
75 100
77 34.5 25.1 37.7
110 39.1 31.4 47.0



#62
1,3,5-Trimethylbenzene
Concen: 0.937 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. 0.373 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

Tgt Ion: 105 Resp: 3884
Ion Ratio Lower Upper
105 100
120 42.5 37.4 56.0





#63

1,2,4-Trimethylbenzene

Concen: 0.941 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

Instrument :

MSVOA_V

ClientSampleId :

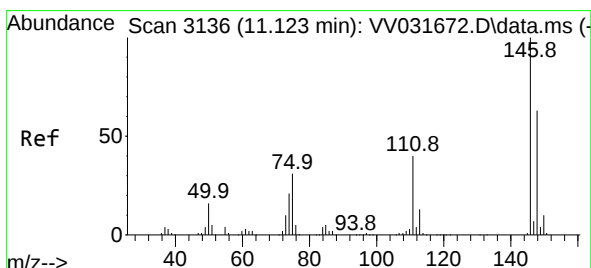
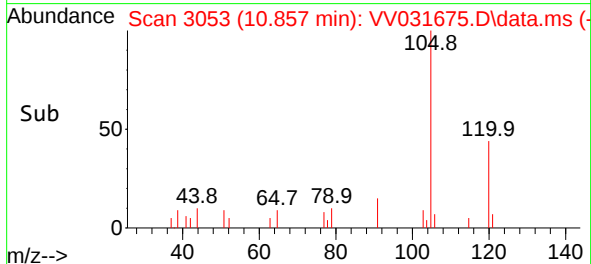
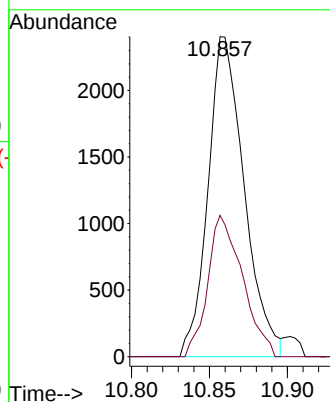
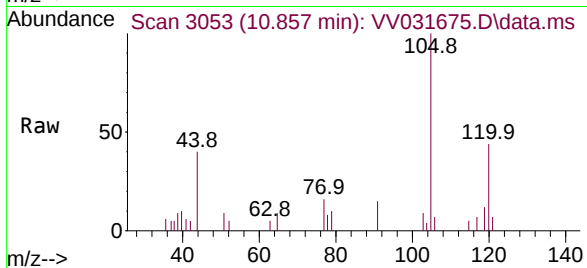
VIBLK224

Tgt Ion:105 Resp: 3884

Ion Ratio Lower Upper

105 100

120 42.5 34.7 52.1



#64

1,3-Dichlorobenzene

Concen: 1.899 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.007 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

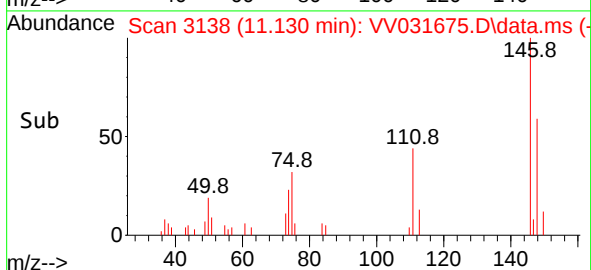
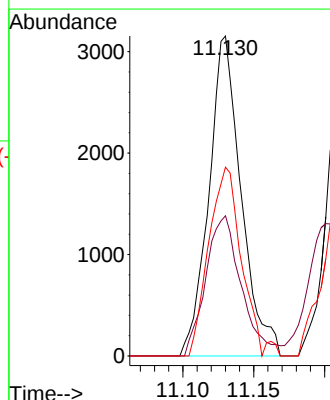
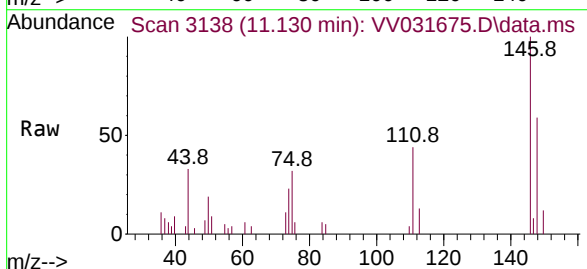
Tgt Ion:146 Resp: 5002

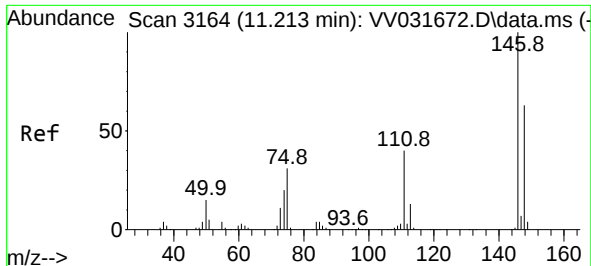
Ion Ratio Lower Upper

146 100

111 40.5 28.3 52.5

148 54.5 44.2 82.2





#65

1,4-Dichlorobenzene

Concen: 2.239 ug/L

RT: 11.214 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

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VIBLK224

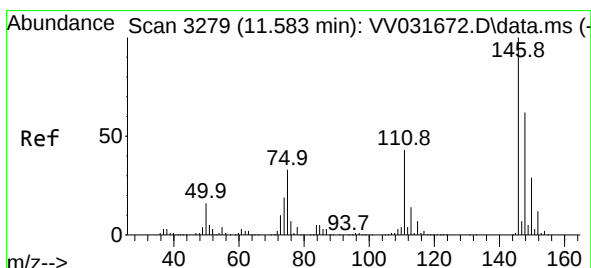
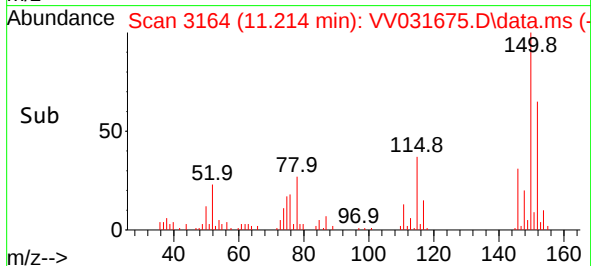
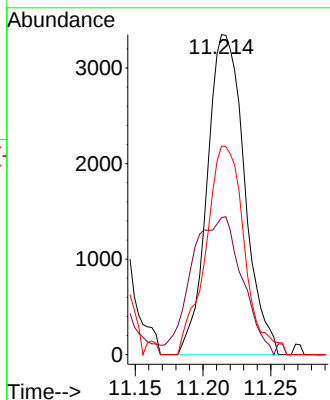
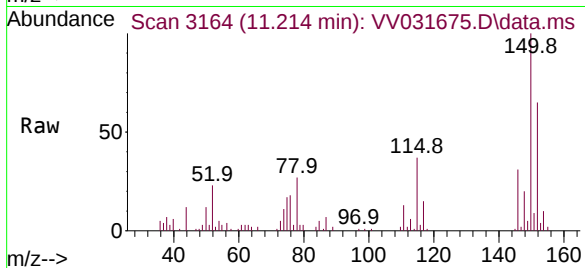
Tgt Ion:146 Resp: 6397

Ion Ratio Lower Upper

146 100

111 42.8 28.3 52.7

148 65.2 44.1 81.9



#67

1,2-Dichlorobenzene

Concen: 2.042 ug/L

RT: 11.587 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VV031675.D

Acq: 11 Jul 2023 12:29

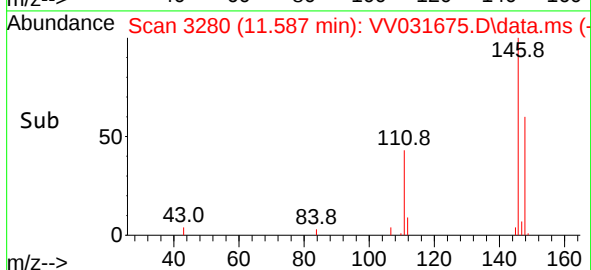
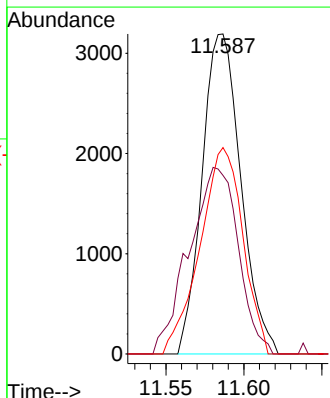
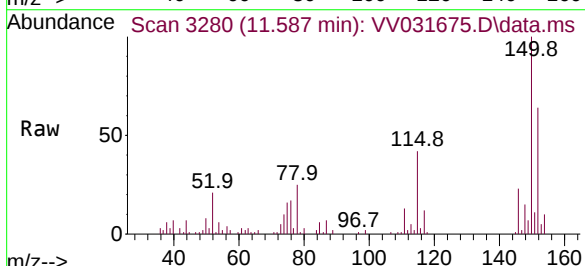
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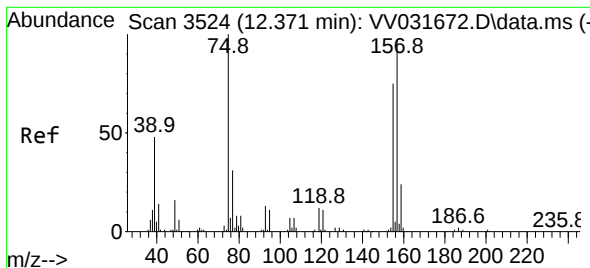
Ion Ratio Lower Upper

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111 55.8 34.8 52.2#

148 64.5 49.8 74.6

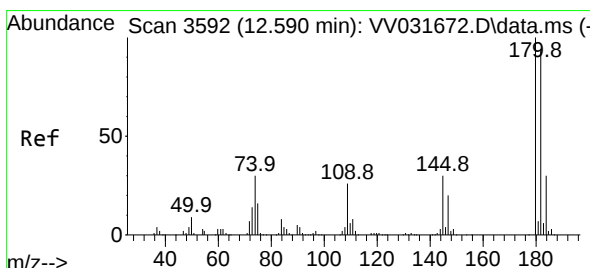
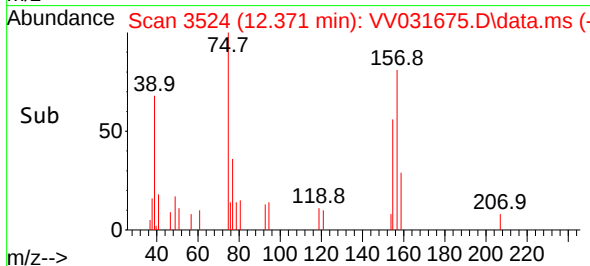
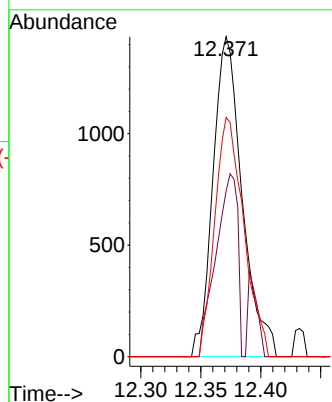
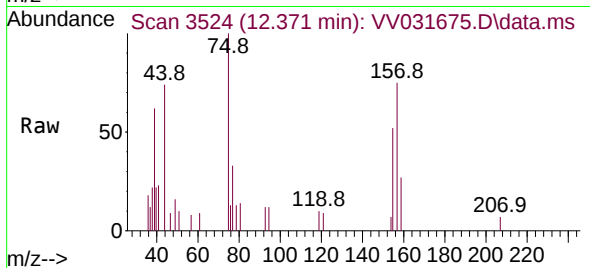




#68
1,2-Dibromo-3-chloropropane
Concen: 4.595 ug/L
RT: 12.371 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

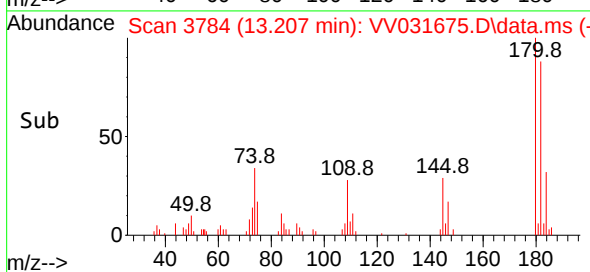
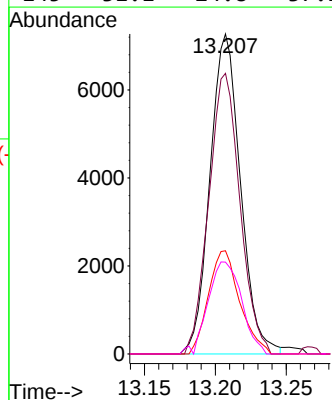
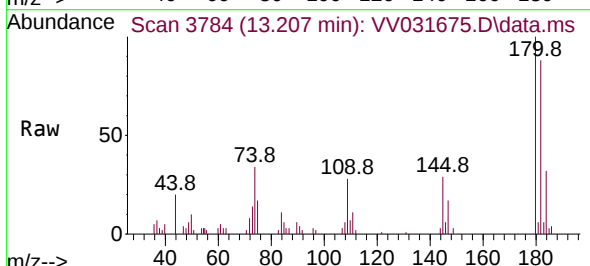
Instrument :
MSVOA_V
ClientSampleId :
VIBLK224

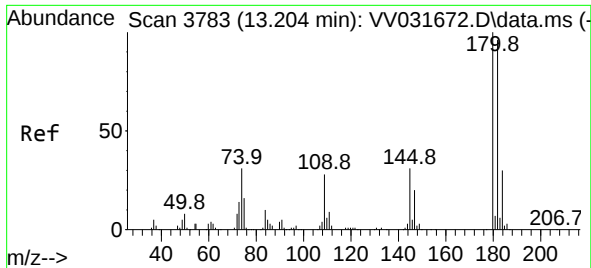
Tgt Ion: 75 Resp: 2422
Ion Ratio Lower Upper
75 100
155 51.8 59.9 89.9#
157 74.8 77.6 116.4#



#69
1,3,5-Trichlorobenzene
Concen: 5.521 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.617 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

Tgt Ion:180 Resp: 10895
Ion Ratio Lower Upper
180 100
182 89.4 75.5 113.3
184 33.0 23.7 35.5
145 31.1 24.8 37.2

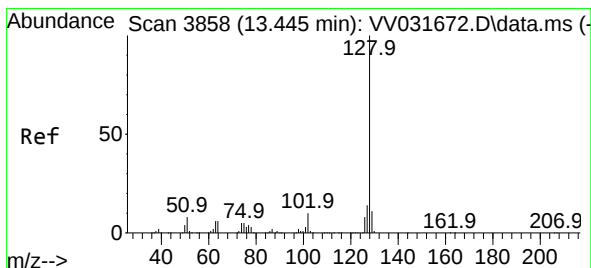
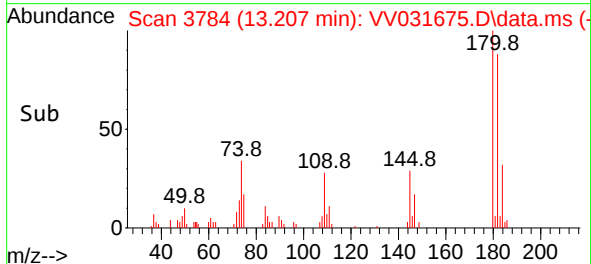
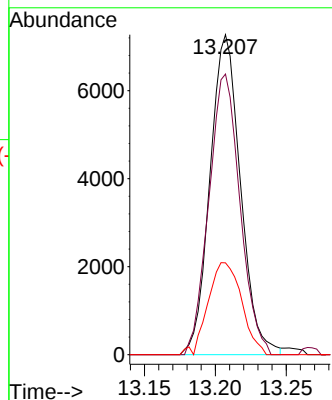
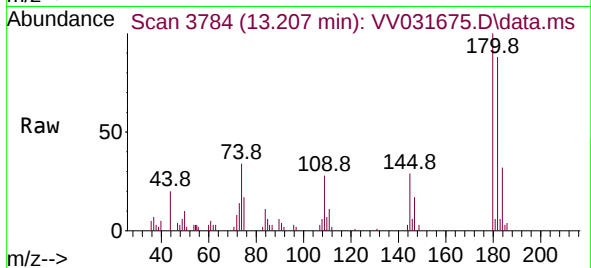




#70
1,2,4-trichlorobenzene
Concen: 6.231 ug/L
RT: 13.207 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

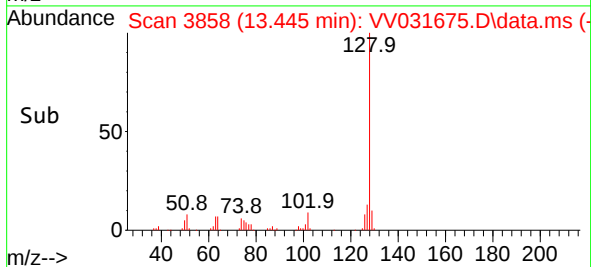
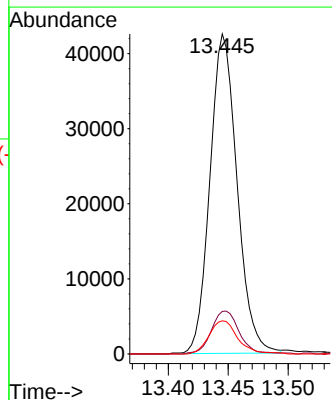
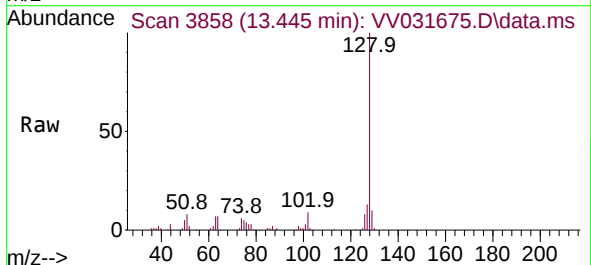
Instrument :
MSVOA_V
ClientSampleId :
VIBLK224

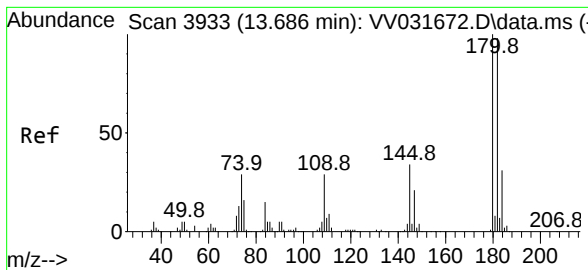
Tgt Ion:180 Resp: 10895
Ion Ratio Lower Upper
180 100
182 89.4 76.6 114.8
145 31.1 25.4 38.2



#71
Naphthalene
Concen: 13.214 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. 0.000 min
Lab File: VV031675.D
Acq: 11 Jul 2023 12:29

Tgt Ion:128 Resp: 66863
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.4
129 10.9 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 8.421 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. 0.000 min
 Lab File: VV031675.D
 Acq: 11 Jul 2023 12:29

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK224

Tgt Ion:	180	Resp:	15439
Ion Ratio	Lower	Upper	
180	100		
182	95.4	76.7	115.1
145	34.9	27.7	41.5

