

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042023\
 Data File : VW030750.D
 Acq On : 21 Apr 2023 04:52
 Operator : SY/MD
 Sample : 02398-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMN2

Quant Time: Apr 21 06:16:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 21 01:37:39 2023
 Response via : Initial Calibration

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

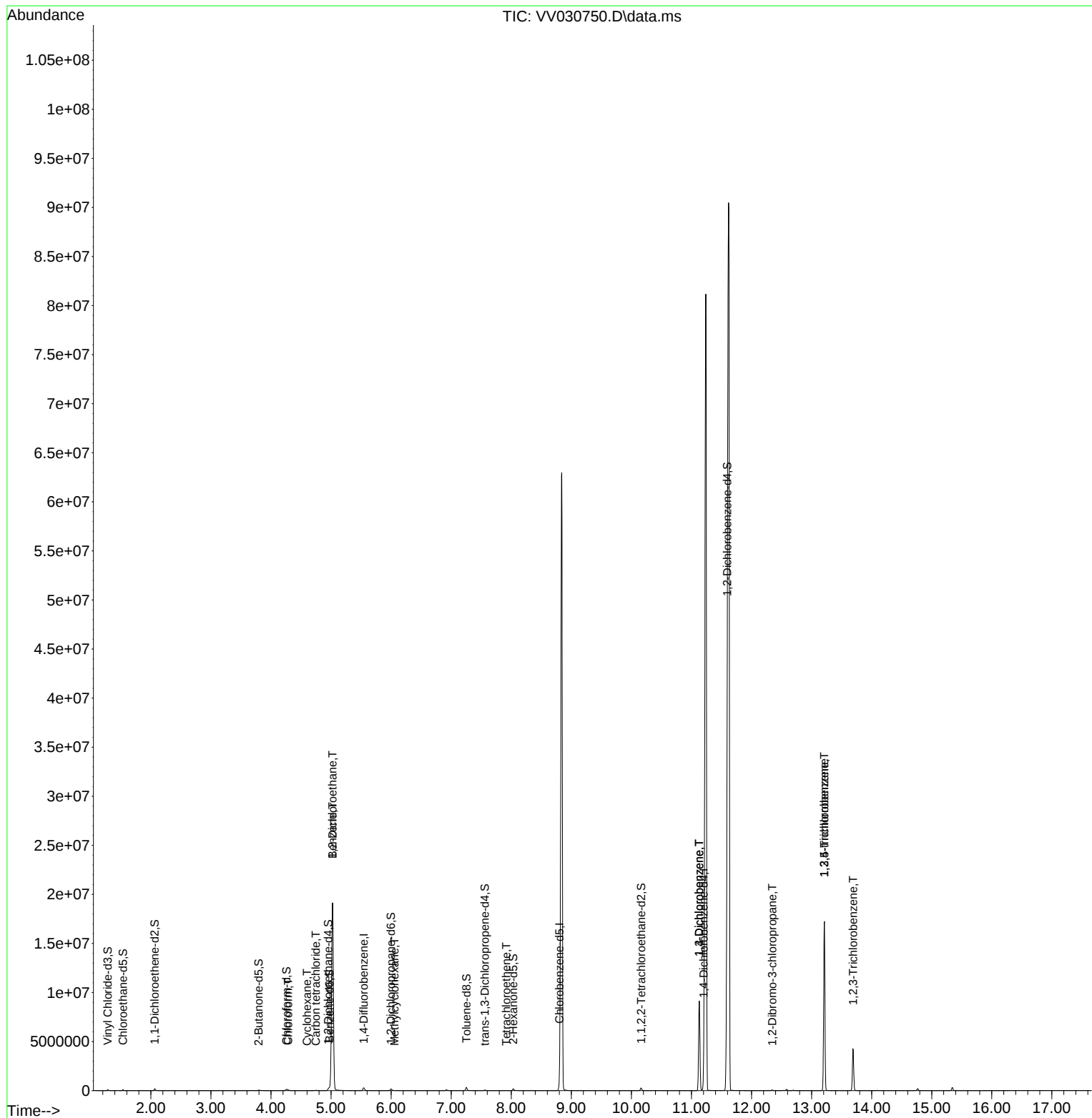
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	236047	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.802	117	256842	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.204	152	183958	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	64300	37.159	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.320%		
7) Chloroethane-d5	1.535	69	55962	38.592	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.180%		
11) 1,1-Dichloroethene-d2	2.063	65	33802	41.191	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.380%		
21) 2-Butanone-d5	3.796	46	87188	91.734	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.730%		
24) Chloroform-d	4.259	84	129962	41.443	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.880%		
26) 1,2-Dichloroethane-d4	4.953	65	91693	45.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.960%		
32) Benzene-d6	4.973	84	239300	39.407	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	78.820%		
36) 1,2-Dichloropropane-d6	5.998	67	73411	38.919	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	77.840%		
41) Toluene-d8	7.252	98	208069	36.494	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	72.980%#		
43) trans-1,3-Dichloroprop...	7.561	79	35203	37.028	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.060%		
47) 2-Hexanone-d5	8.034	63	58384	78.571	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	78.570%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	100893	36.862	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	73.720%		
66) 1,2-Dichlorobenzene-d4	11.596	152	150042	51.315	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.620%		
Target Compounds						Qvalue
25) Chloroform	4.285	83	36711	10.426	ug/L	100
27) 1,2-Dichloroethane	5.024	62	191227	64.156	ug/L #	77
29) Cyclohexane	4.600	56	4175	1.355	ug/L #	21
31) Carbon tetrachloride	4.748	117	27607	8.556	ug/L	98
33) Benzene	5.024	78	16829799	2157.814	ug/L	100
35) Methylcyclohexane	6.056	83	2718	0.855	ug/L #	69
46) Tetrachloroethene	7.918	164	1759	0.991	ug/L	90
64) 1,3-Dichlorobenzene	11.130	146	3410520	593.768	ug/L	98
65) 1,4-Dichlorobenzene	11.130	146	3410520	563.084	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.345	75	10634	10.894	ug/L #	6
69) 1,3,5-Trichlorobenzene	13.213	180	4484327	1033.506	ug/L	99
70) 1,2,4-trichlorobenzene	13.213	180	4484327	1217.240	ug/L	98
72) 1,2,3-Trichlorobenzene	13.693	180	1172888	321.069	ug/L	100

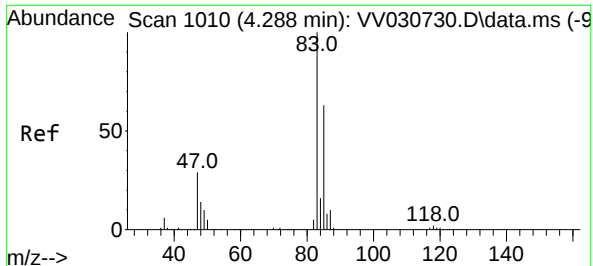
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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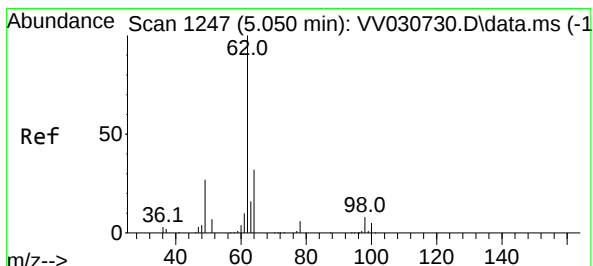
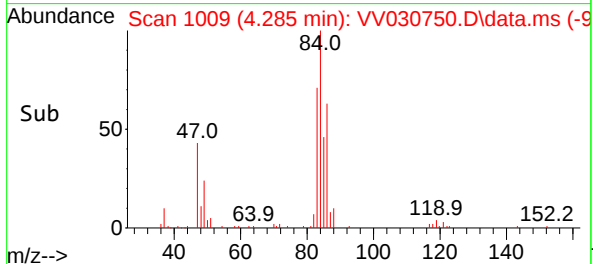
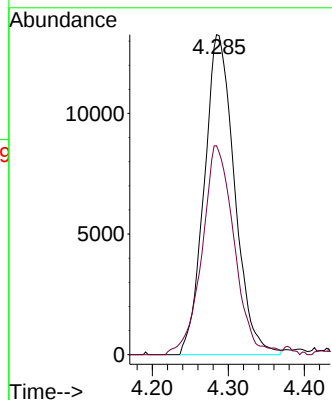
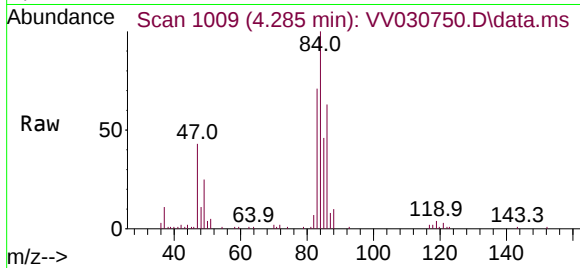




#25
Chloroform
Concen: 10.426 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.003 min
Lab File: VV030750.D
Acq: 21 Apr 2023 04:52

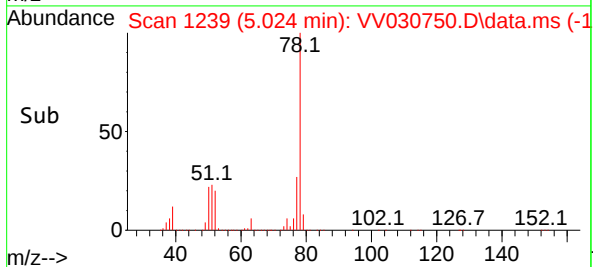
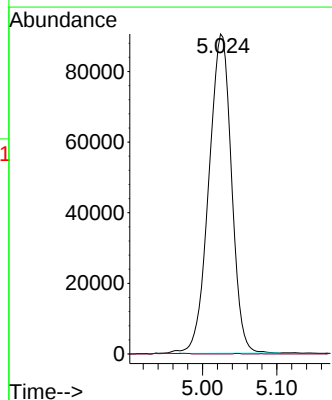
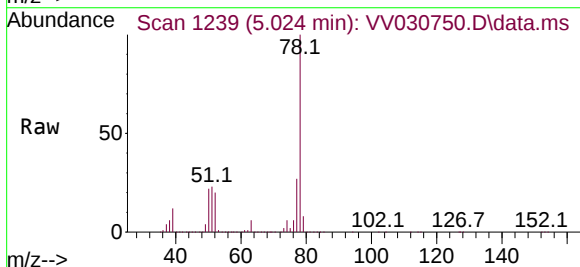
Instrument :
MSVOA_V
ClientSampleId :
COMN2

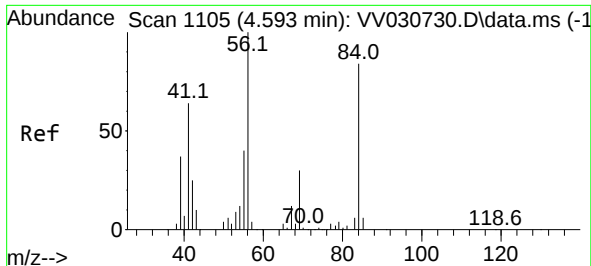
Tgt Ion: 83 Resp: 36711
Ion Ratio Lower Upper
83 100
85 65.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 64.156 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. -0.026 min
Lab File: VV030750.D
Acq: 21 Apr 2023 04:52

Tgt Ion: 62 Resp: 191227
Ion Ratio Lower Upper
62 100
98 0.0 6.4 9.6#





#29

Cyclohexane

Concen: 1.355 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV030750.D

Acq: 21 Apr 2023 04:52

Instrument :

MSVOA_V

ClientSampleId :

COMN2

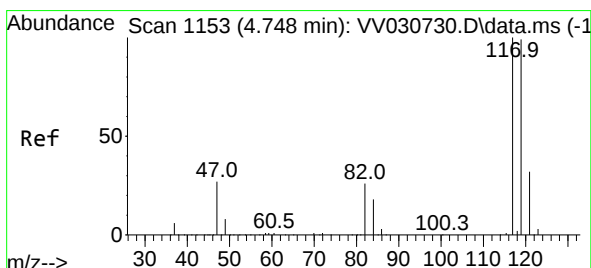
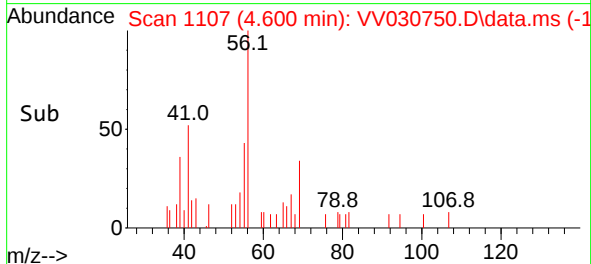
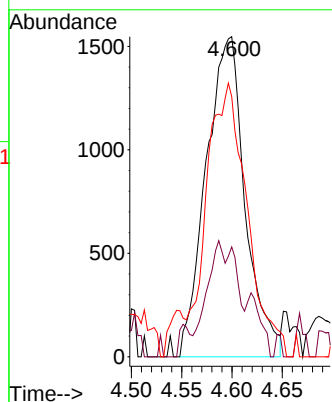
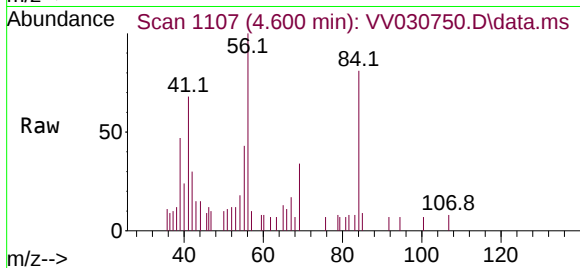
Tgt Ion: 56 Resp: 4175

Ion Ratio Lower Upper

56 100

69 9.5 24.0 36.0#

84 0.0 68.2 102.2#



#31

Carbon tetrachloride

Concen: 8.556 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. -0.000 min

Lab File: VV030750.D

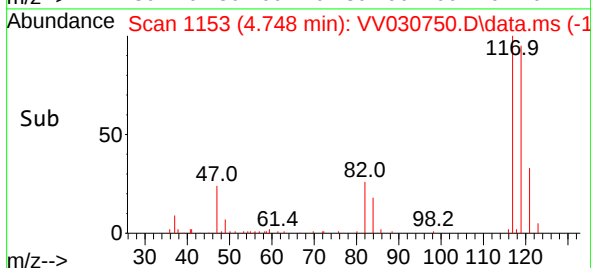
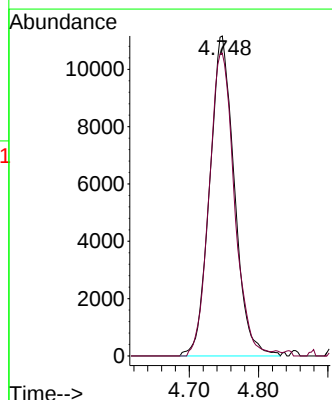
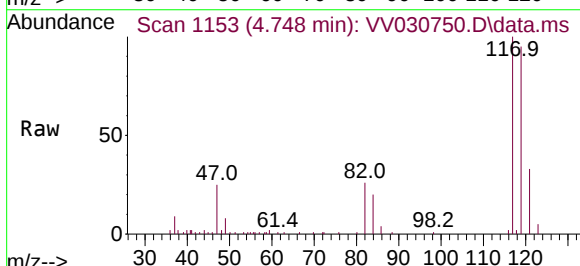
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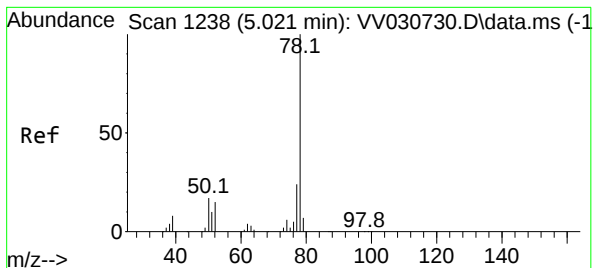
Tgt Ion: 117 Resp: 27607

Ion Ratio Lower Upper

117 100

119 96.9 75.9 113.9





#33

Benzene

Concen: 2157.814 ug/L

RT: 5.024 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030750.D

Acq: 21 Apr 2023 04:52

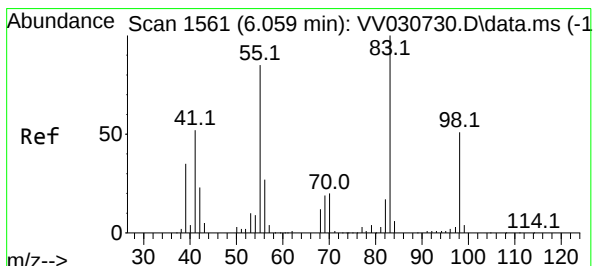
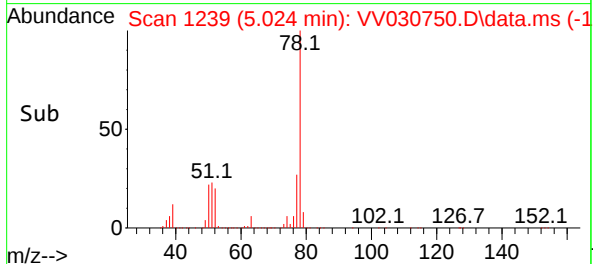
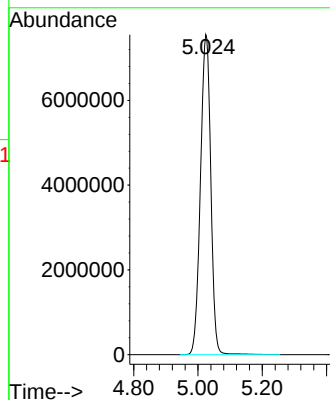
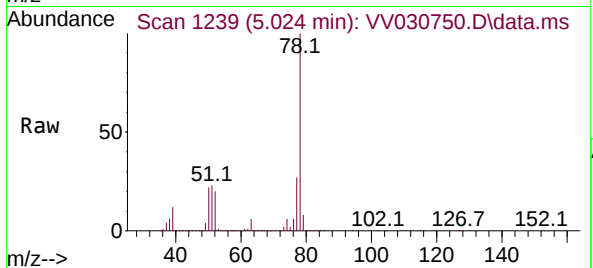
Instrument :

MSVOA_V

ClientSampleId :

COMN2

Tgt Ion: 78 Resp:16829799



#35

Methylcyclohexane

Concen: 0.855 ug/L

RT: 6.056 min Scan# 1560

Delta R.T. -0.003 min

Lab File: VV030750.D

Acq: 21 Apr 2023 04:52

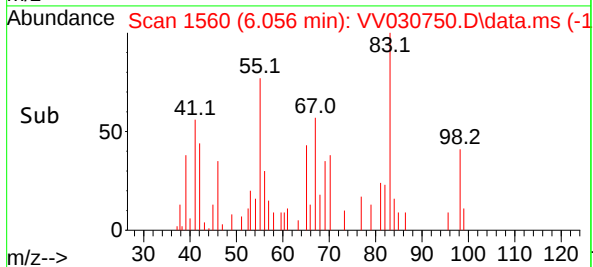
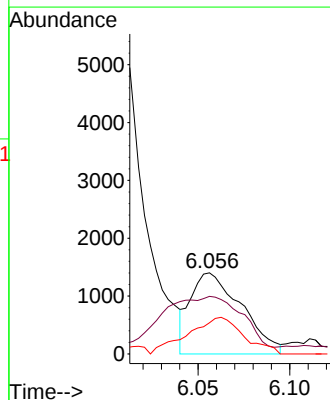
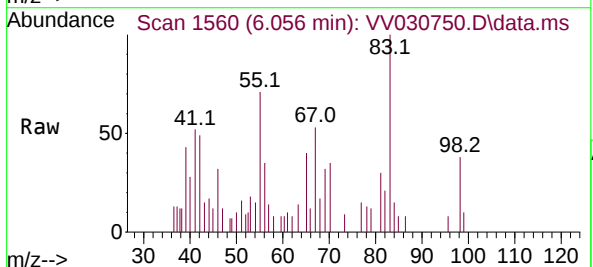
Tgt Ion: 83 Resp: 2718

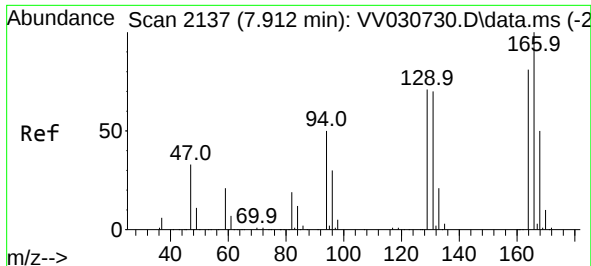
Ion Ratio Lower Upper

83 100

55 40.3 65.5 98.3#

98 44.9 38.7 58.1

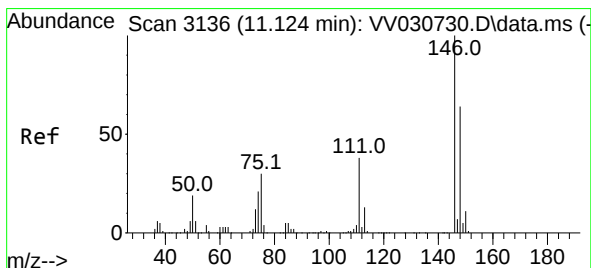
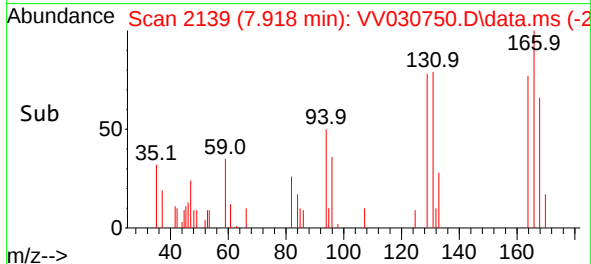
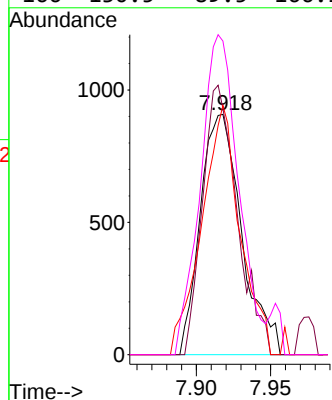
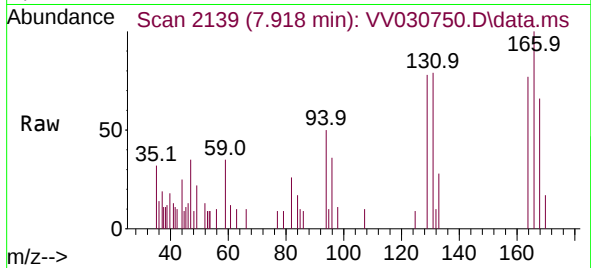




#46
Tetrachloroethene
Concen: 0.991 ug/L
RT: 7.918 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV030750.D
Acq: 21 Apr 2023 04:52

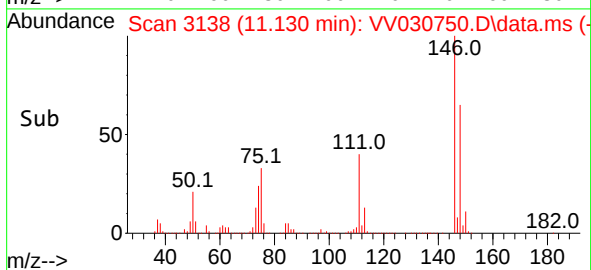
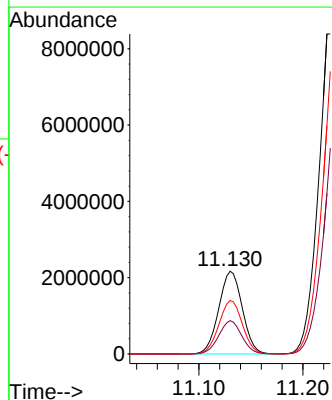
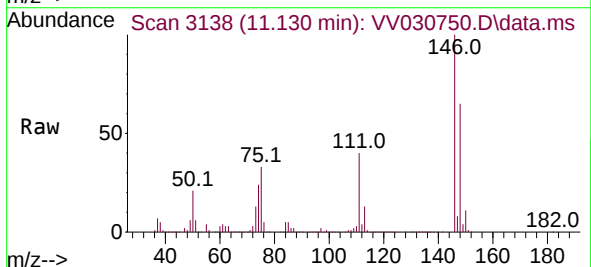
Instrument :
MSVOA_V
ClientSampleId :
COMN2

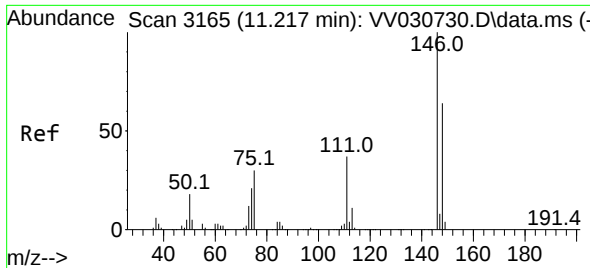
Tgt Ion:164 Resp: 1759
Ion Ratio Lower Upper
164 100
129 102.4 63.8 118.6
131 103.7 60.3 111.9
166 130.5 89.5 166.1



#64
1,3-Dichlorobenzene
Concen: 593.768 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.006 min
Lab File: VV030750.D
Acq: 21 Apr 2023 04:52

Tgt Ion:146 Resp: 3410520
Ion Ratio Lower Upper
146 100
111 40.2 27.0 50.2
148 64.7 44.8 83.2

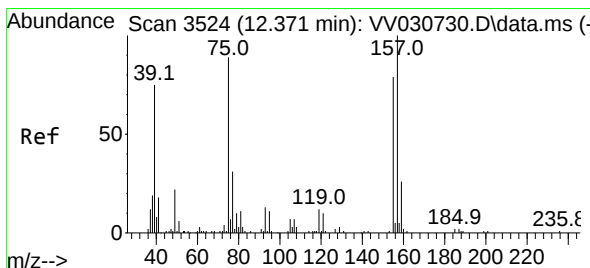
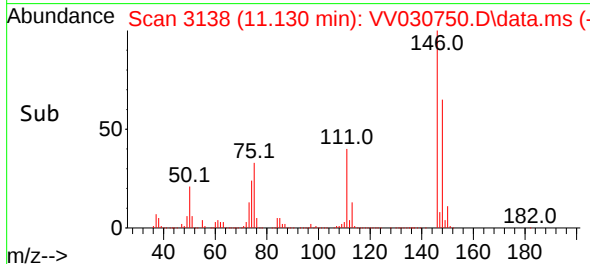
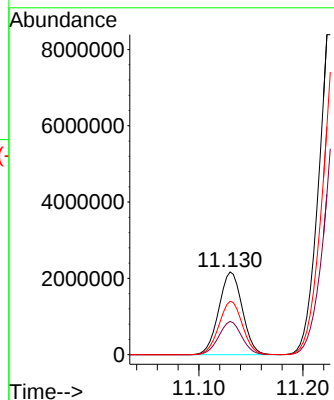
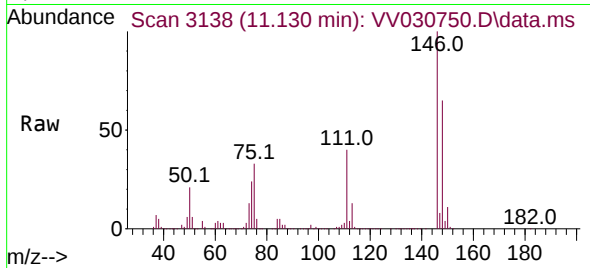




#65
1,4-Dichlorobenzene
Concen: 563.084 ug/L
RT: 11.130 min Scan# 3165
Delta R.T. -0.087 min
Lab File: VV030750.D
Acq: 21 Apr 2023 04:52

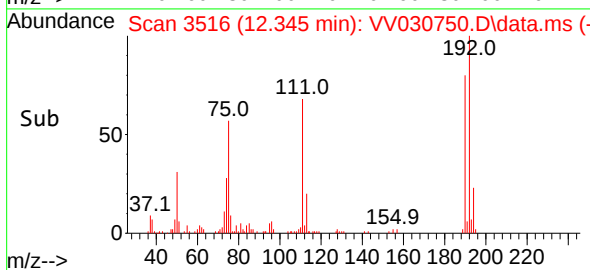
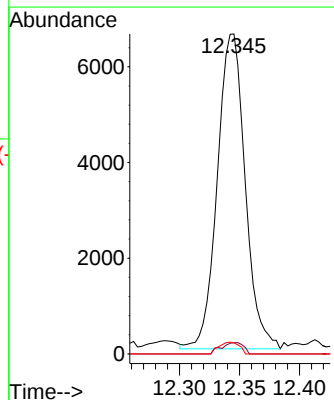
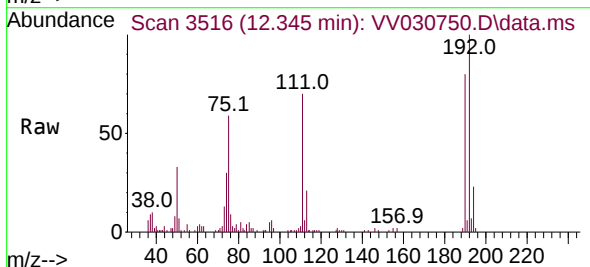
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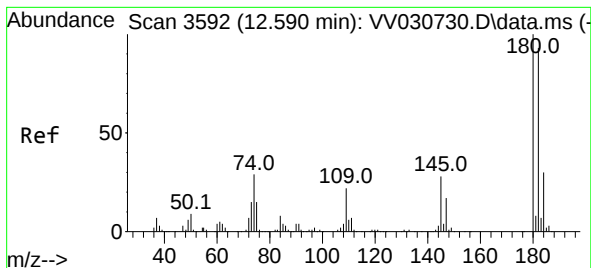
Tgt Ion:146 Resp: 3410520
Ion Ratio Lower Upper
146 100
111 40.2 26.5 49.1
148 64.7 44.7 83.1



#68
1,2-Dibromo-3-chloropropane
Concen: 10.894 ug/L
RT: 12.345 min Scan# 3516
Delta R.T. -0.026 min
Lab File: VV030750.D
Acq: 21 Apr 2023 04:52

Tgt Ion: 75 Resp: 10634
Ion Ratio Lower Upper
75 100
155 3.5 65.0 97.6#
157 3.4 84.4 126.6#





#69

1,3,5-Trichlorobenzene

Concen: 1033.506 ug/L

RT: 13.213 min Scan# 3786

Delta R.T. 0.624 min

Lab File: VV030750.D

Acq: 21 Apr 2023 04:52

Instrument :

MSVOA_V

ClientSampleId :

COMN2

Tgt Ion:180 Resp: 4484327

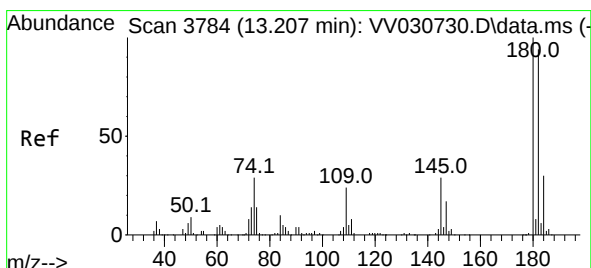
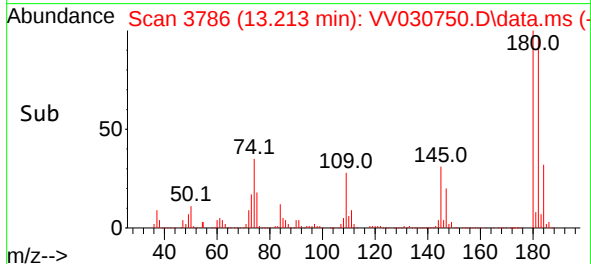
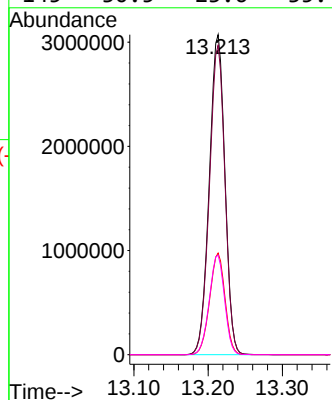
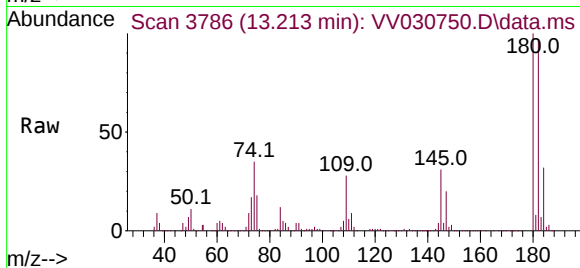
Ion Ratio Lower Upper

180 100

182 96.1 76.4 114.6

184 31.2 24.1 36.1

145 30.5 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 1217.240 ug/L

RT: 13.213 min Scan# 3786

Delta R.T. 0.006 min

Lab File: VV030750.D

Acq: 21 Apr 2023 04:52

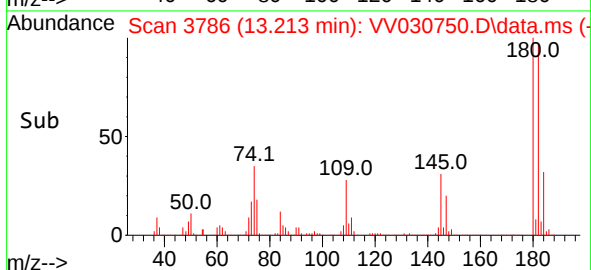
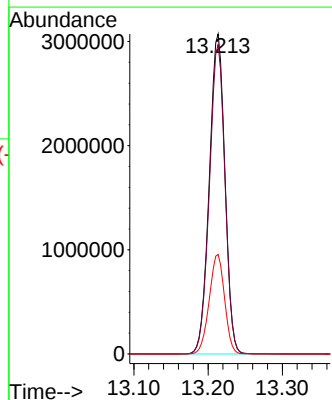
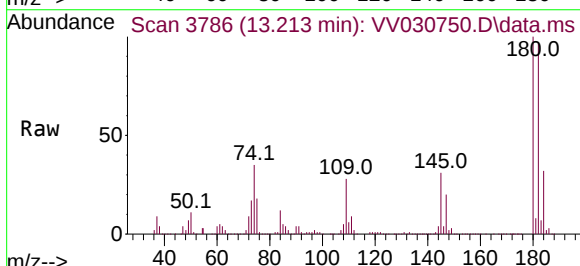
Tgt Ion:180 Resp: 4484327

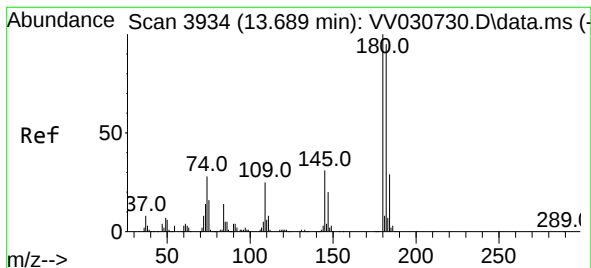
Ion Ratio Lower Upper

180 100

182 96.1 75.9 113.9

145 30.5 23.4 35.2





#72

1,2,3-Trichlorobenzene

Concen: 321.069 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030750.D

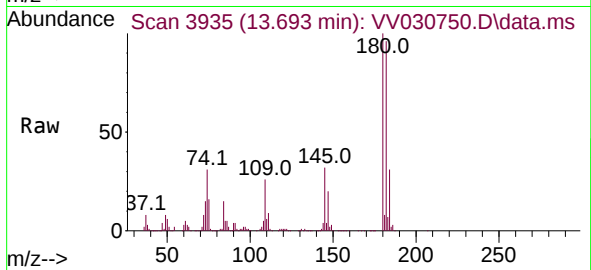
Acq: 21 Apr 2023 04:52

Instrument :

MSVOA_V

ClientSampleId :

COMN2



Tgt Ion:180 Resp: 1172888

Ion Ratio Lower Upper

180 100

182 95.8 76.2 114.4

145 31.4 25.1 37.7

