

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042423\
 Data File : VW030803.D
 Acq On : 24 Apr 2023 19:21
 Operator : SY/MD
 Sample : 02398-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMN4

Quant Time: Apr 25 03:24:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

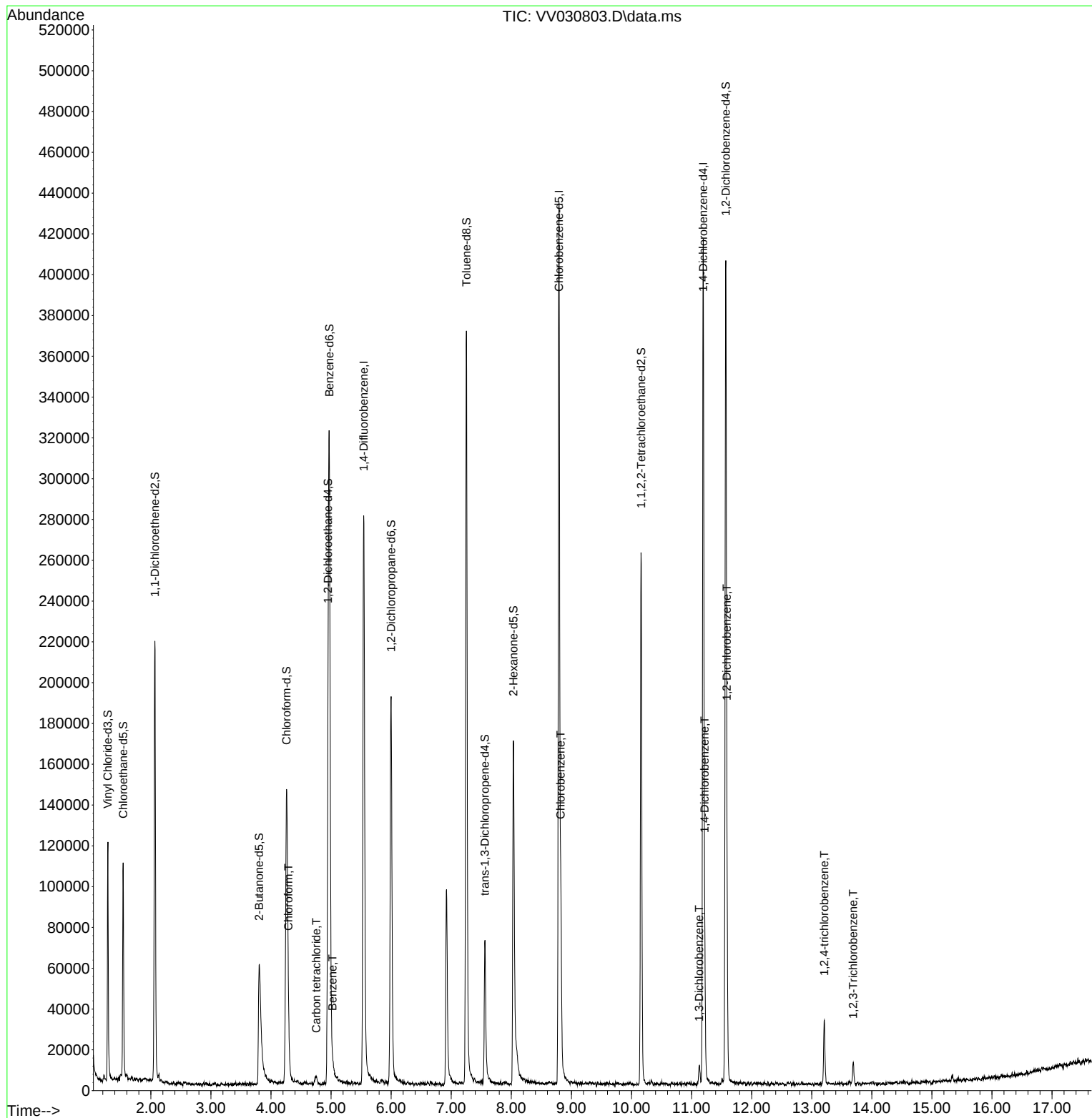
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	233891	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	228348	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	107021	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	73911	43.107	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.220%
7) Chloroethane-d5	1.539	69	64980	45.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.440%
11) 1,1-Dichloroethene-d2	2.066	65	36109	44.408	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.820%
21) 2-Butanone-d5	3.802	46	97190	103.200	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.200%
24) Chloroform-d	4.259	84	147695	47.532	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.060%
26) 1,2-Dichloroethane-d4	4.950	65	101936	51.026	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.060%
32) Benzene-d6	4.969	84	266574	49.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.760%
36) 1,2-Dichloropropane-d6	5.998	67	81554	48.631	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.260%
41) Toluene-d8	7.252	98	244001	48.136	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.280%
43) trans-1,3-Dichloroprop...	7.561	79	39412	46.628	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.260%
47) 2-Hexanone-d5	8.033	63	57541	87.099	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.100%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	113108	46.481	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.960%
66) 1,2-Dichlorobenzene-d4	11.570	152	99644	58.578	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.160%
Target Compounds						Qvalue
25) Chloroform	4.288	83	11669	3.345	ug/L	94
31) Carbon tetrachloride	4.754	117	2820	0.983	ug/L	95
33) Benzene	5.024	78	4377	0.631	ug/L	100
51) Chlorobenzene	8.821	112	44703	9.088	ug/L	97
64) 1,3-Dichlorobenzene	11.127	146	3426	1.025	ug/L	97
65) 1,4-Dichlorobenzene	11.217	146	21937	6.226	ug/L	97
67) 1,2-Dichlorobenzene	11.586	146	27790	8.244	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	8651	4.036	ug/L	88
72) 1,2,3-Trichlorobenzene	13.689	180	2881	1.356	ug/L #	93

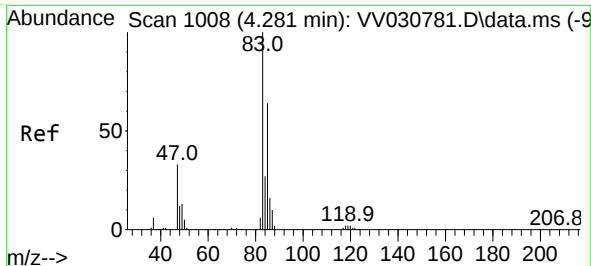
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 22 00:43:23 2023
Response via : Initial Calibration





#25

Chloroform

Concen: 3.345 ug/L

RT: 4.288 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

Instrument :

MSVOA_V

ClientSampleId :

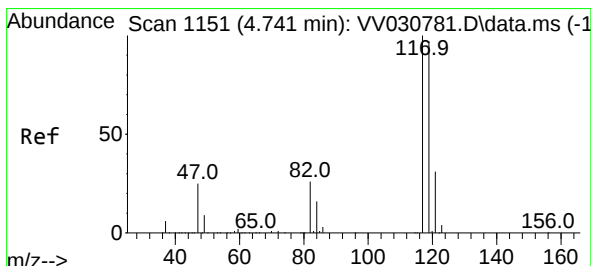
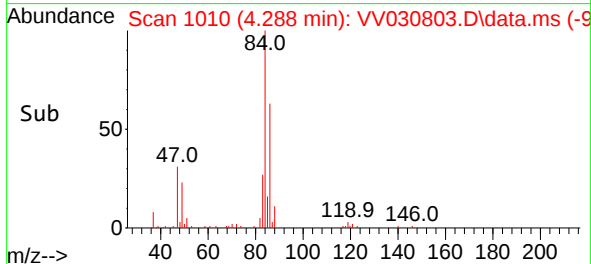
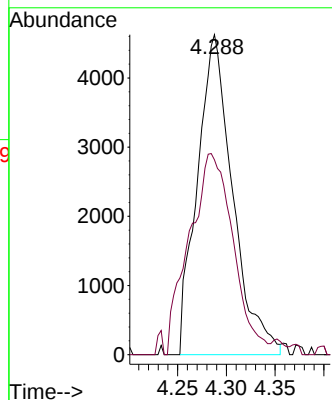
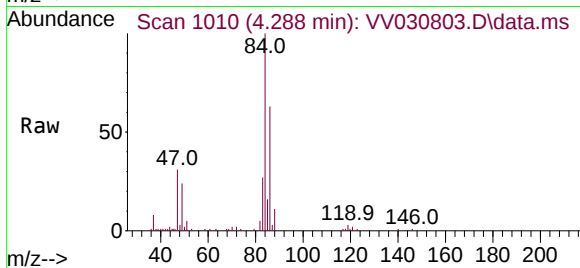
COMN4

Tgt Ion: 83 Resp: 11669

Ion Ratio Lower Upper

83 100

85 60.9 45.8 85.2



#31

Carbon tetrachloride

Concen: 0.983 ug/L

RT: 4.754 min Scan# 1155

Delta R.T. 0.009 min

Lab File: VV030803.D

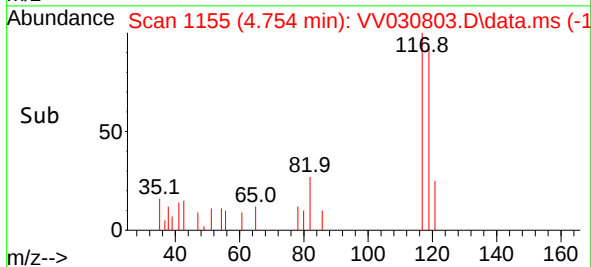
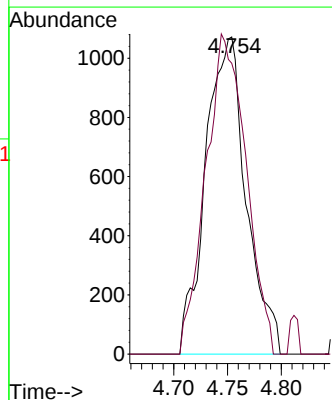
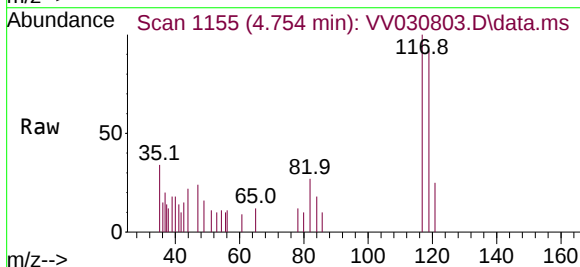
Acq: 24 Apr 2023 19:21

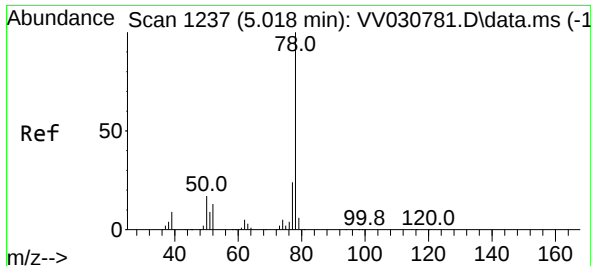
Tgt Ion: 117 Resp: 2820

Ion Ratio Lower Upper

117 100

119 100.0 75.9 113.9





#33

Benzene

Concen: 0.631 ug/L

RT: 5.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

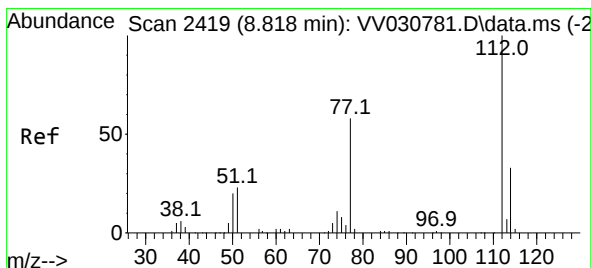
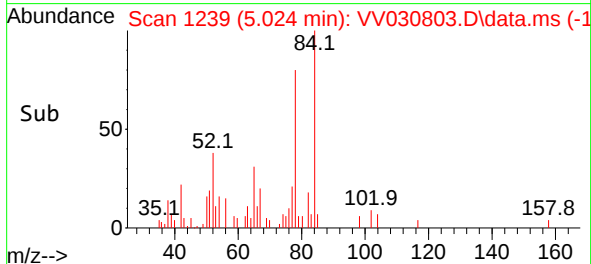
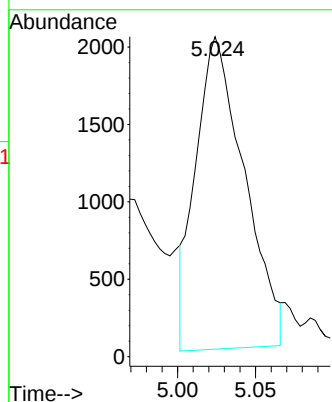
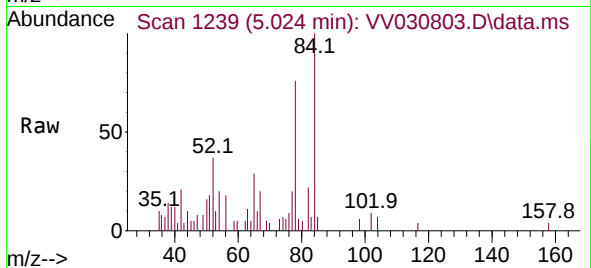
Instrument :

MSVOA_V

ClientSampleId :

COMN4

Tgt Ion: 78 Resp: 4377



#51

Chlorobenzene

Concen: 9.088 ug/L

RT: 8.821 min Scan# 2420

Delta R.T. -0.000 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

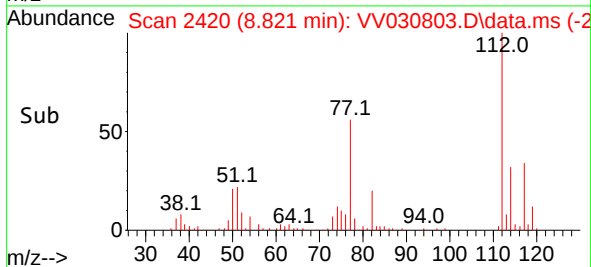
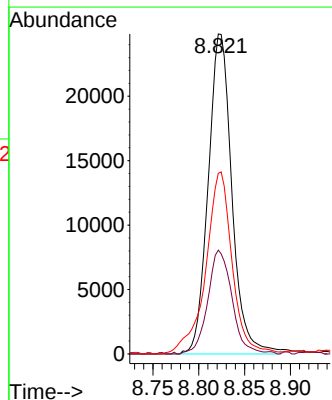
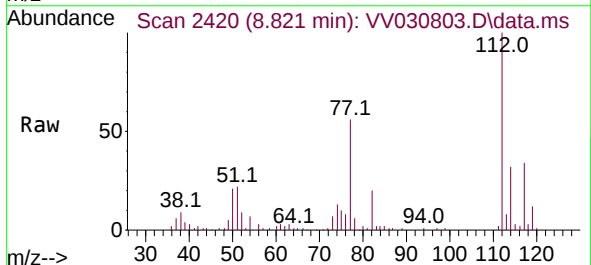
Tgt Ion: 112 Resp: 44703

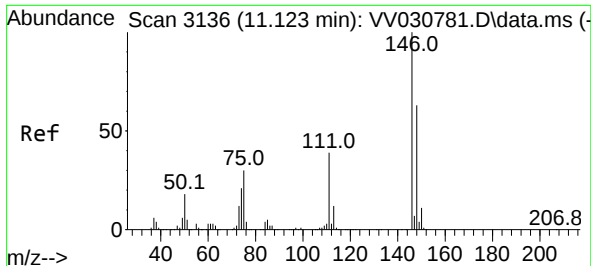
Ion Ratio Lower Upper

112 100

114 32.5 22.4 41.6

77 56.4 47.4 71.0

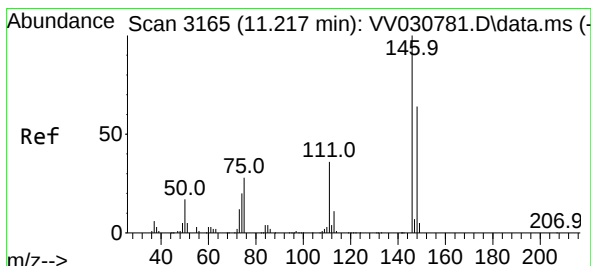
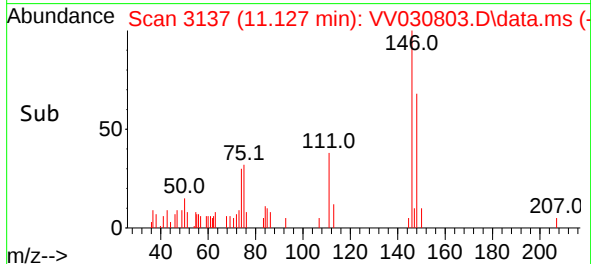
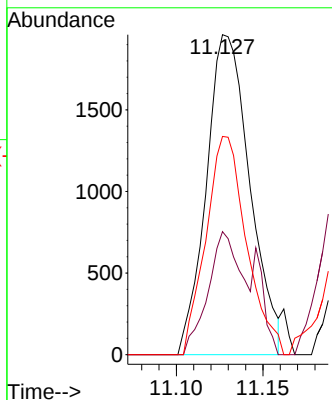
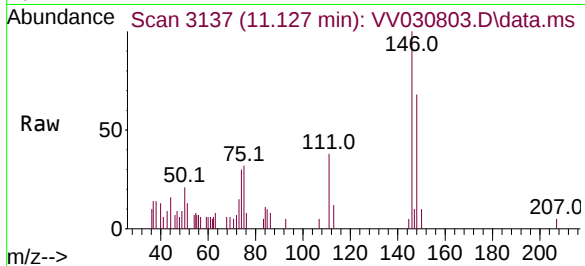




#64
1,3-Dichlorobenzene
Concen: 1.025 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030803.D
Acq: 24 Apr 2023 19:21

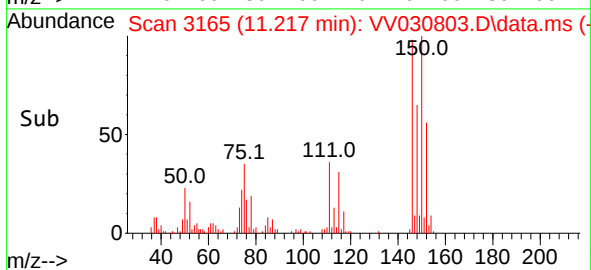
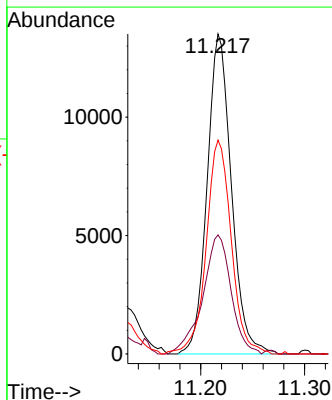
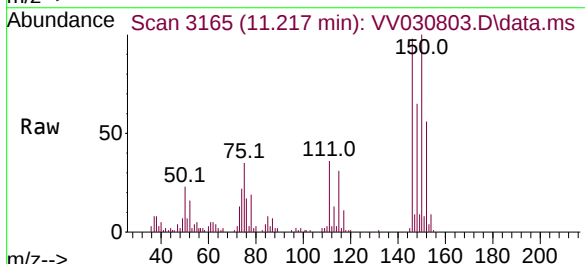
Instrument :
MSVOA_V
ClientSampleId :
COMN4

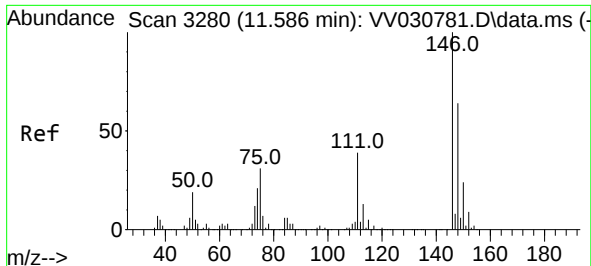
Tgt Ion:146 Resp: 3426
Ion Ratio Lower Upper
146 100
111 38.4 27.0 50.2
148 68.2 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 6.226 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030803.D
Acq: 24 Apr 2023 19:21

Tgt Ion:146 Resp: 21937
Ion Ratio Lower Upper
146 100
111 37.2 26.5 49.1
148 66.8 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 8.244 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

Instrument :

MSVOA_V

ClientSampleId :

COMN4

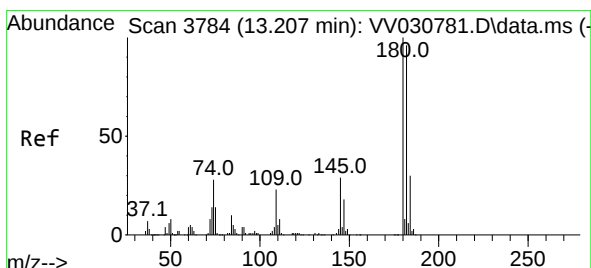
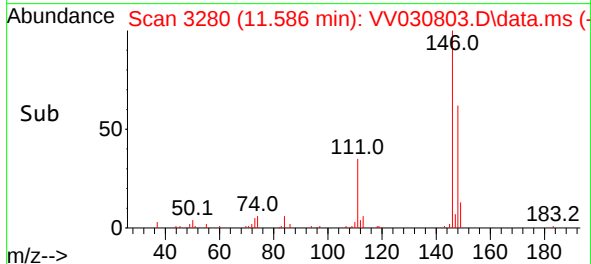
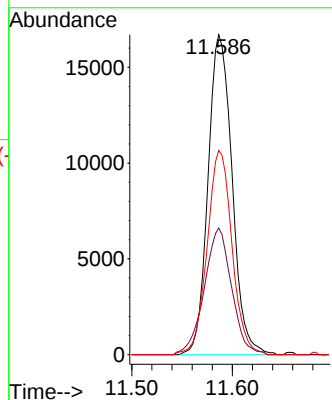
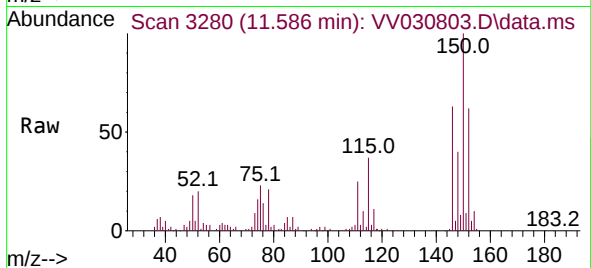
Tgt Ion:146 Resp: 27790

Ion Ratio Lower Upper

146 100

111 39.5 32.0 48.0

148 63.8 50.6 76.0



#70

1,2,4-trichlorobenzene

Concen: 4.036 ug/L

RT: 13.210 min Scan# 3785

Delta R.T. 0.003 min

Lab File: VV030803.D

Acq: 24 Apr 2023 19:21

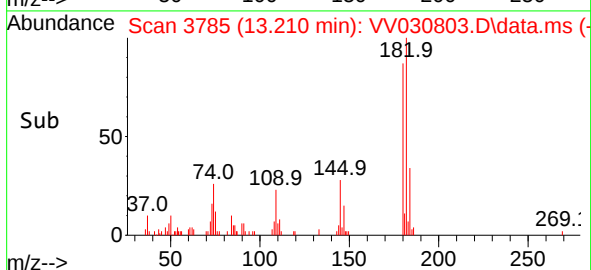
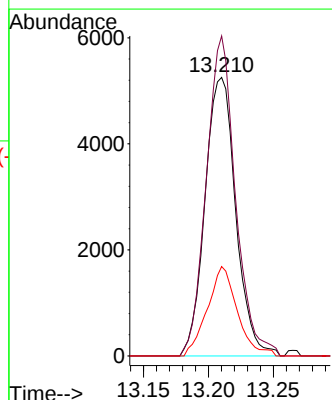
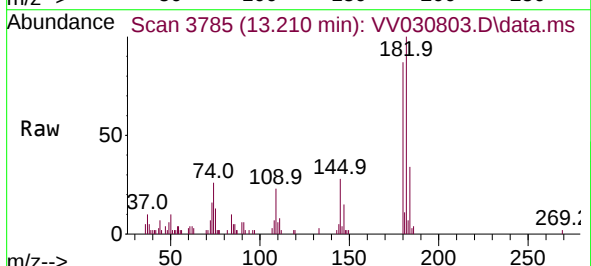
Tgt Ion:180 Resp: 8651

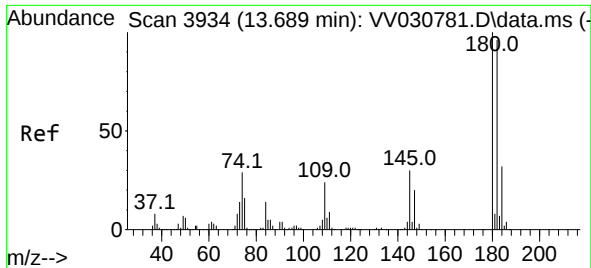
Ion Ratio Lower Upper

180 100

182 109.0 75.9 113.9

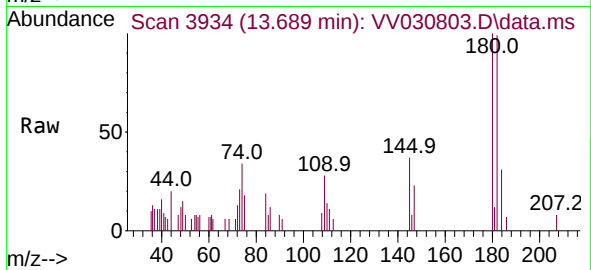
145 30.7 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.356 ug/L
 RT: 13.689 min Scan# 3934
 Delta R.T. -0.000 min
 Lab File: VV030803.D
 Acq: 24 Apr 2023 19:21

Instrument :
 MSVOA_V
 ClientSampleId :
 COMN4



Tgt Ion:	180	Resp:	2881
Ion	Ratio	Lower	Upper
180	100		
182	101.0	76.2	114.4
145	37.9	25.1	37.7#

