

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036204.D
 Acq On : 21 Jun 2024 14:09
 Operator : SY/MD
 Sample : VIBLK299
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 22 00:13:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

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

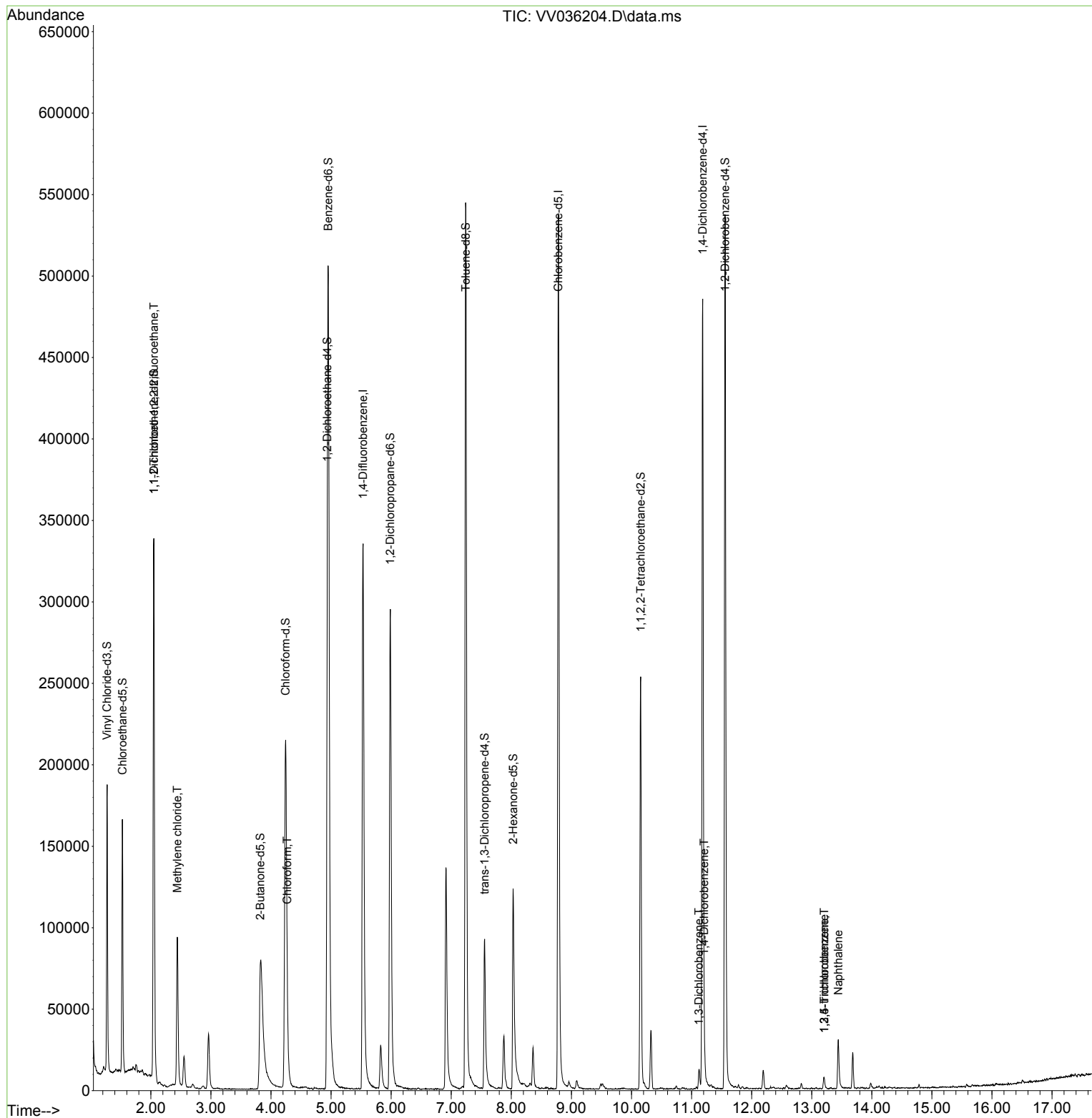
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	301410	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	300558	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	131184	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	118759	21.431	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.720%
7) Chloroethane-d5	1.526	69	104163	23.574	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.280%
11) 1,1-Dichloroethene-d2	2.050	65	57403	23.269	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.080%
21) 2-Butanone-d5	3.821	46	71722	56.412	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.820%
24) Chloroform-d	4.243	84	235500	24.576	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.320%
26) 1,2-Dichloroethane-d4	4.937	65	137203	27.309	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.240%
32) Benzene-d6	4.953	84	457986	25.635	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.520%
36) 1,2-Dichloropropane-d6	5.985	67	150710	26.787	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.160%
41) Toluene-d8	7.239	98	385517	24.456	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.840%
43) trans-1,3-Dichloroprop...	7.554	79	58540	25.377	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.520%
47) 2-Hexanone-d5	8.030	63	48016	62.991	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.980%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	125879	29.941	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.760%
66) 1,2-Dichlorobenzene-d4	11.557	152	138887	28.871	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	115.480%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.050	101	1978	0.382	ug/L	# 28
16) Methylene chloride	2.439	84	40011	5.866	ug/L	96
25) Chloroform	4.268	83	7222	0.719	ug/L	81
64) 1,3-Dichlorobenzene	11.123	146	5677	0.642	ug/L	96
65) 1,4-Dichlorobenzene	11.210	146	4581	0.502	ug/L	93
69) 1,3,5-Trichlorobenzene	13.207	180	2842	0.430	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	2842	0.546	ug/L	97
71) Naphthalene	13.442	128	27059	3.185	ug/L	98

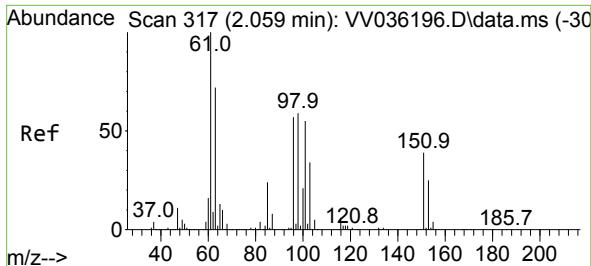
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.382 ug/L

RT: 2.050 min Scan# 317

Delta R.T. -0.010 min

Lab File: VV036204.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

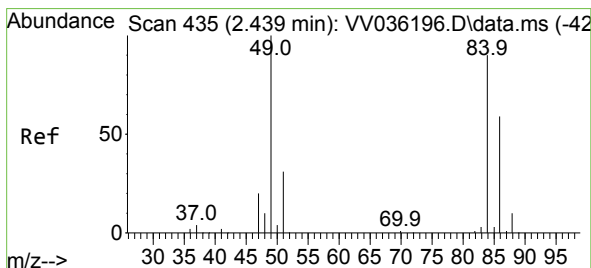
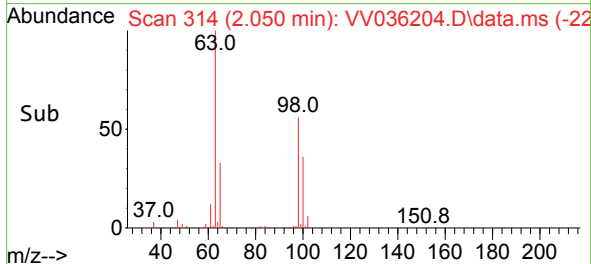
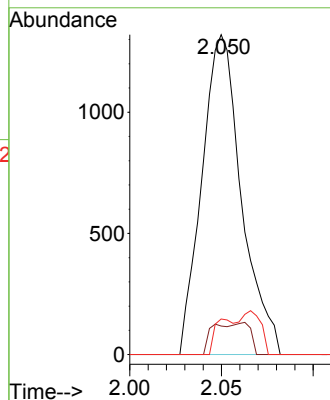
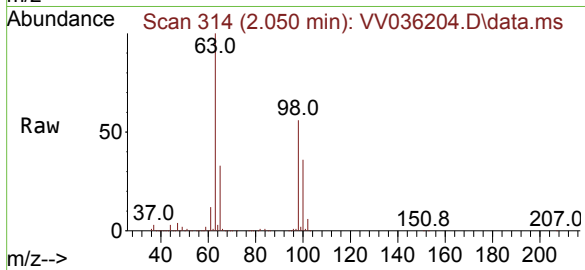
Tgt Ion:101 Resp: 1978

Ion Ratio Lower Upper

101 100

85 4.6 34.5 51.7#

151 5.3 56.3 84.5#



#16

Methylene chloride

Concen: 5.866 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036204.D

Acq: 21 Jun 2024 14:09

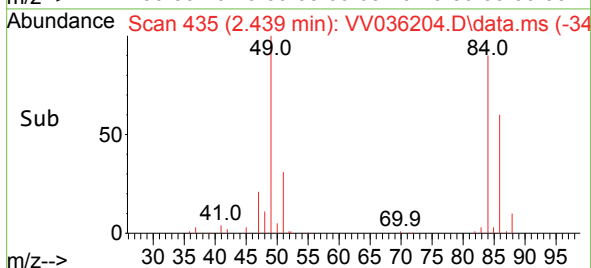
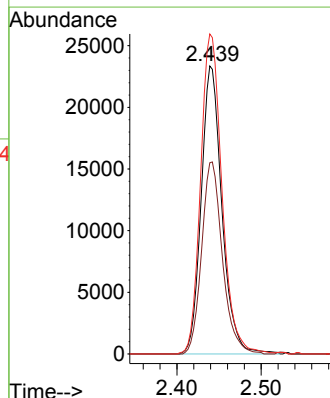
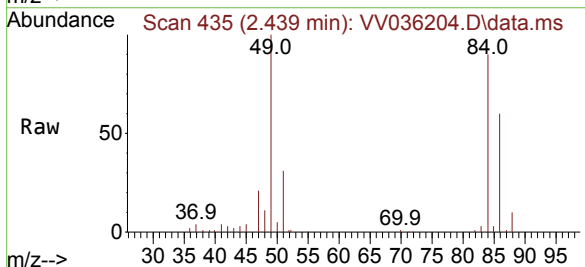
Tgt Ion: 84 Resp: 40011

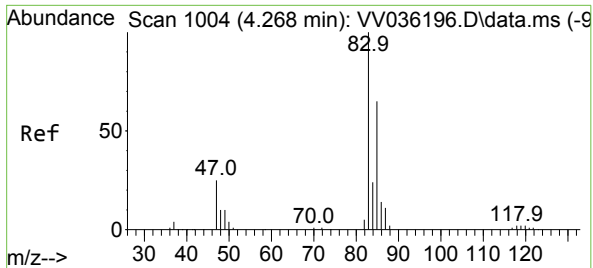
Ion Ratio Lower Upper

84 100

86 66.4 44.6 82.8

49 111.1 81.1 150.5

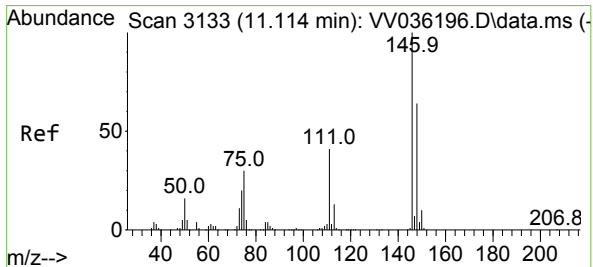
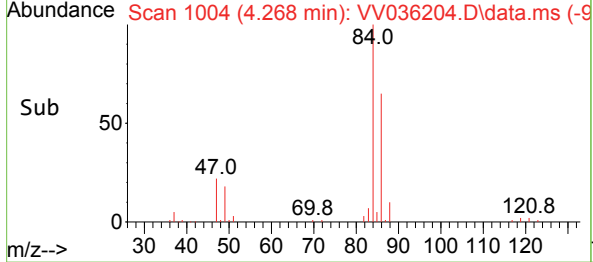
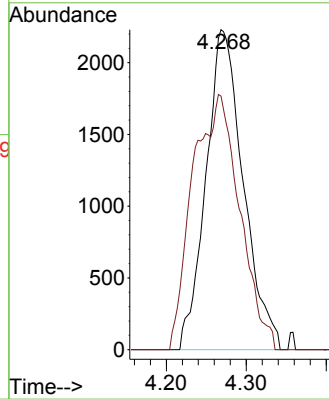
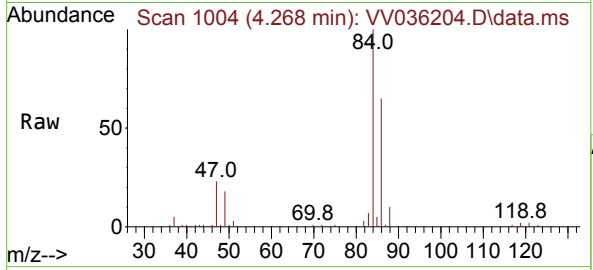




#25
Chloroform
Concen: 0.719 ug/L
RT: 4.268 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VV036204.D
Acq: 21 Jun 2024 14:09

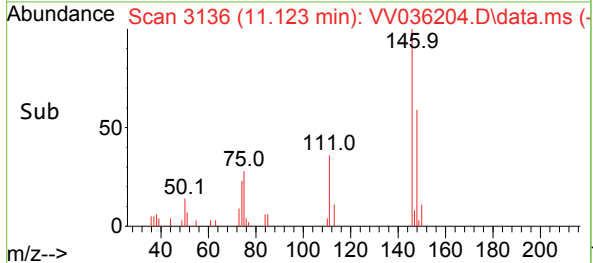
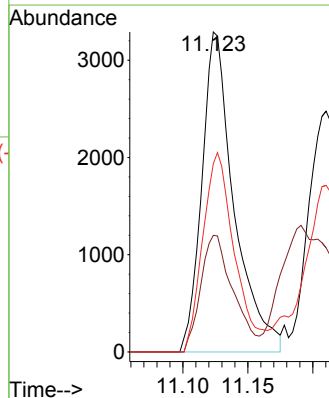
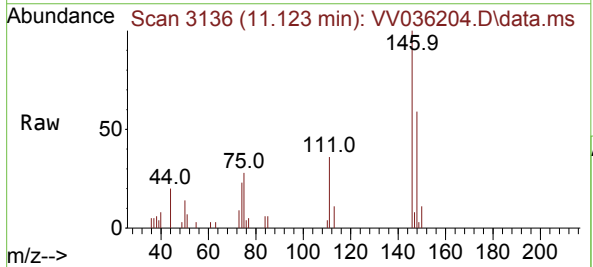
Instrument :
MSVOA_V
ClientSampleId :

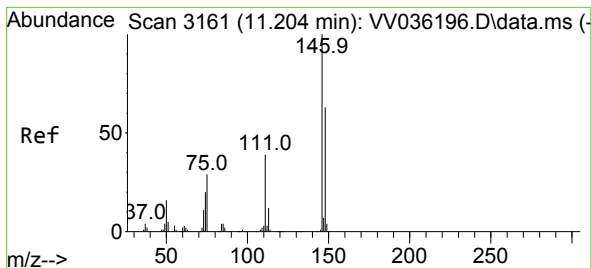
Tgt Ion: 83 Resp: 7222
Ion Ratio Lower Upper
83 100
85 79.2 45.2 84.0



#64
1,3-Dichlorobenzene
Concen: 0.642 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.010 min
Lab File: VV036204.D
Acq: 21 Jun 2024 14:09

Tgt Ion:146 Resp: 5677
Ion Ratio Lower Upper
146 100
111 36.5 28.1 52.1
148 62.3 44.7 83.1





#65

1,4-Dichlorobenzene

Concen: 0.502 ug/L

RT: 11.210 min Scan# 3161

Delta R.T. 0.006 min

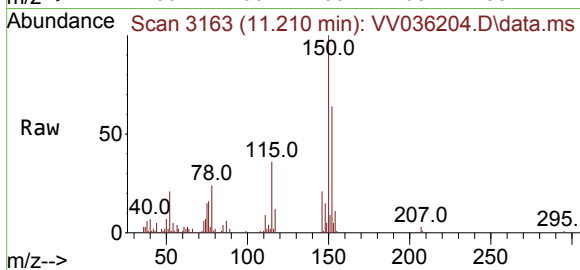
Lab File: VV036204.D

Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :



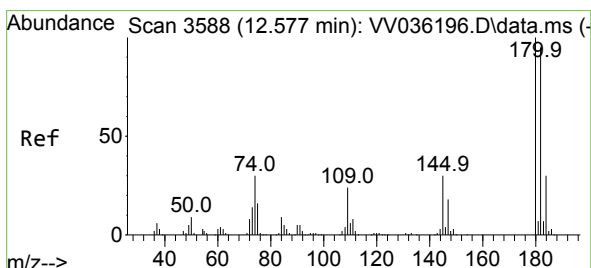
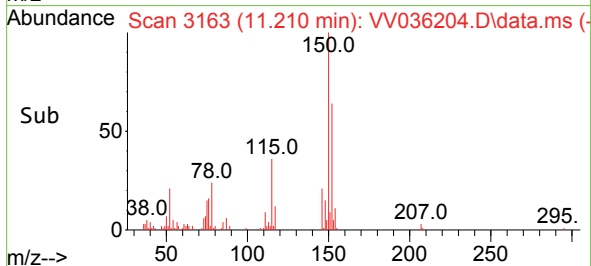
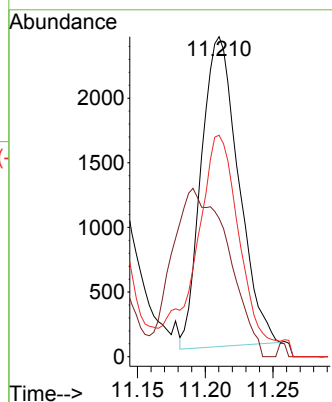
Tgt Ion:146 Resp: 4581

Ion Ratio Lower Upper

146 100

111 43.3 26.9 50.1

148 69.2 44.5 82.7



#69

1,3,5-Trichlorobenzene

Concen: 0.430 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.627 min

Lab File: VV036204.D

Acq: 21 Jun 2024 14:09

Tgt Ion:180 Resp: 2842

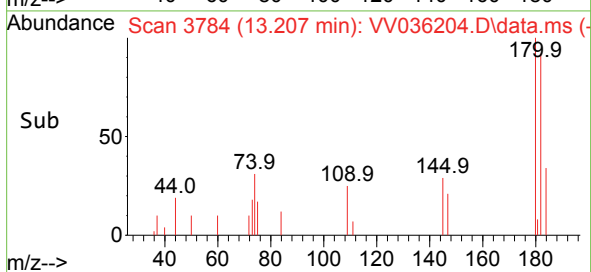
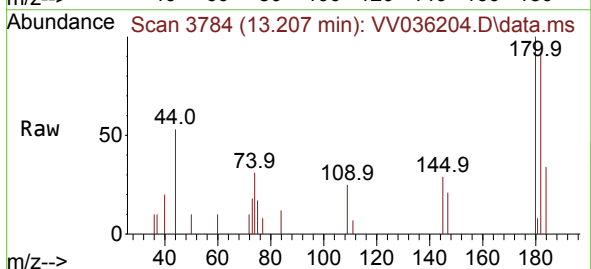
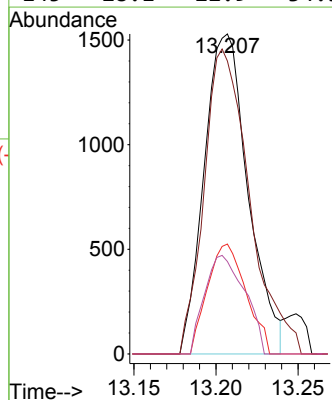
Ion Ratio Lower Upper

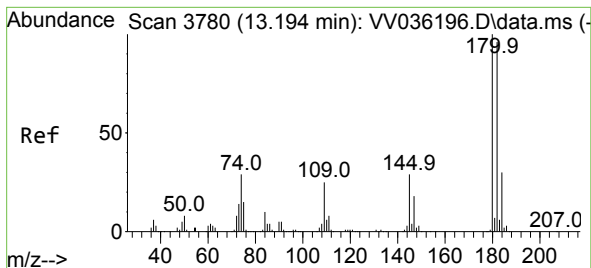
180 100

182 98.8 76.2 114.4

184 30.2 24.2 36.2

145 28.1 22.9 34.3





#70

1,2,4-trichlorobenzene

Concen: 0.546 ug/L

RT: 13.207 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV036204.D

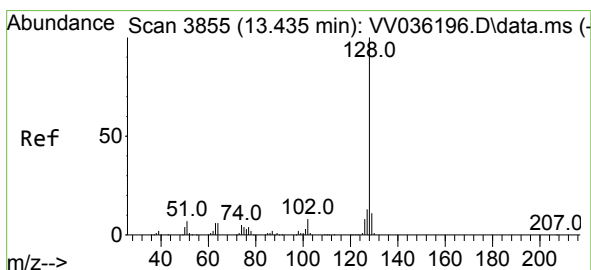
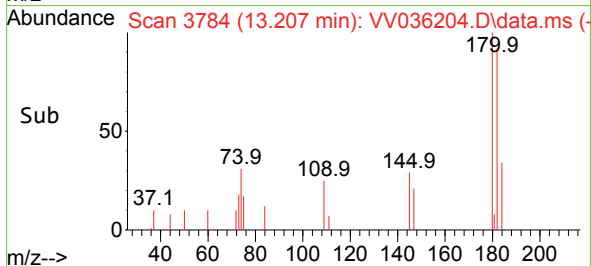
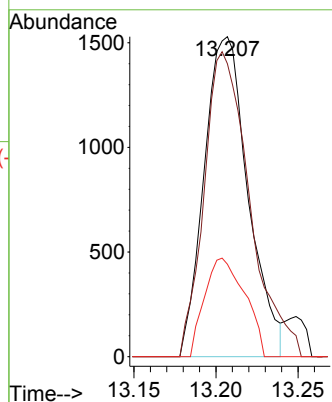
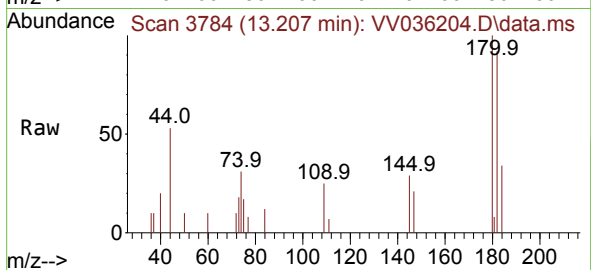
Acq: 21 Jun 2024 14:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	180	Resp:	2842
Ion Ratio	Lower	Upper	
180	100		
182	98.8	76.1	114.1
145	28.1	23.5	35.3



#71

Naphthalene

Concen: 3.185 ug/L

RT: 13.442 min Scan# 3857

Delta R.T. 0.006 min

Lab File: VV036204.D

Acq: 21 Jun 2024 14:09

Tgt Ion:	128	Resp:	27059
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	16.0
129	10.1	8.8	13.2

