

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV053124\
 Data File : VV035915.D
 Acq On : 31 May 2024 09:14
 Operator : SY/MD
 Sample : VV0531SBL01
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 31 23:00:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 22:59:48 2024
 Response via : Initial Calibration

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

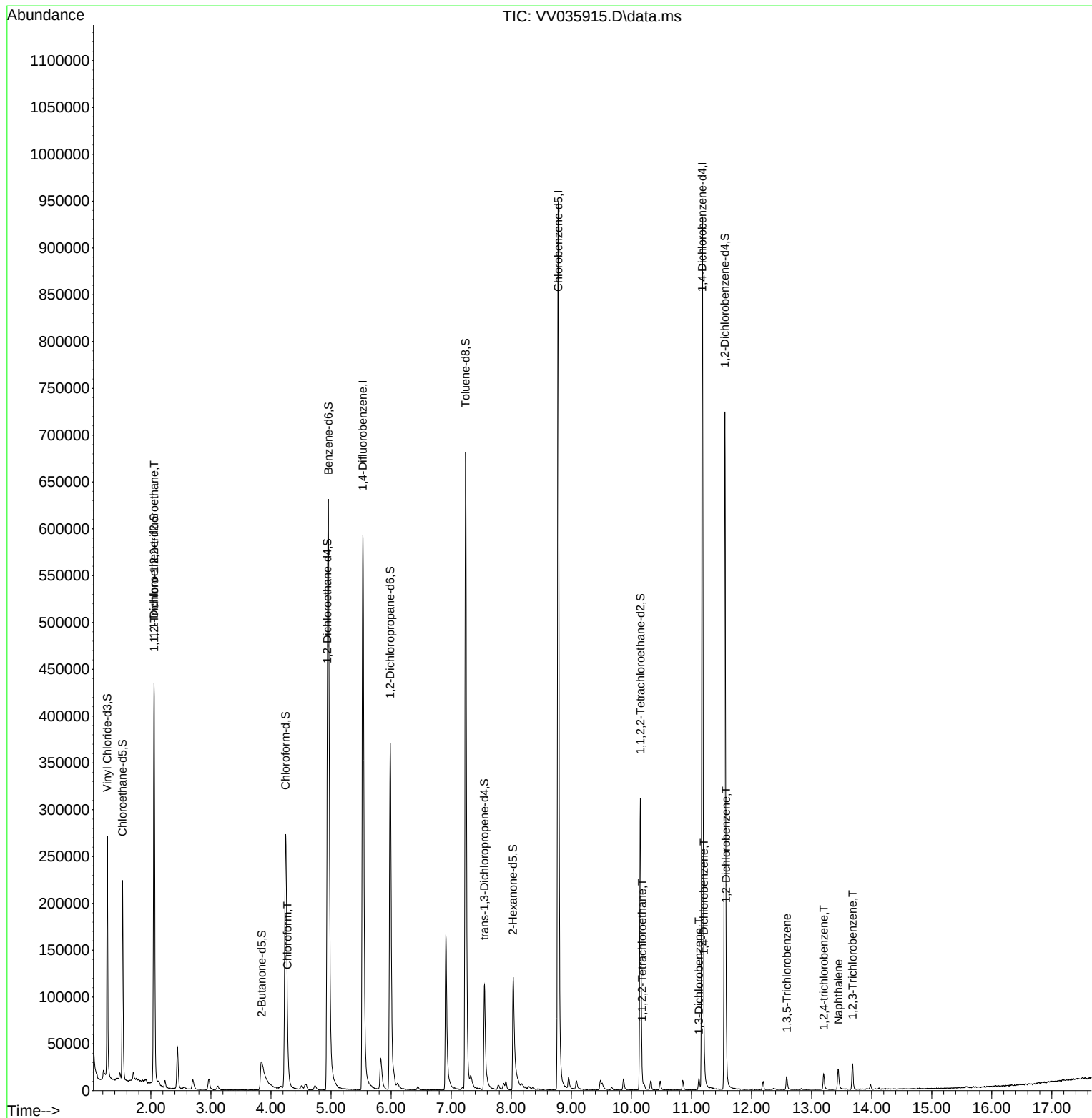
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	536570	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	543880	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	244565	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	160437	16.264	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.040%
7) Chloroethane-d5	1.529	69	138043	17.550	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.200%
11) 1,1-Dichloroethene-d2	2.053	65	72643	16.541	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.160%
21) 2-Butanone-d5	3.847	46	63747	28.165	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	56.320%
24) Chloroform-d	4.243	84	304481	17.849	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	71.400%
26) 1,2-Dichloroethane-d4	4.937	65	167587	18.737	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.960%
32) Benzene-d6	4.957	84	579878	17.937	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.760%
36) 1,2-Dichloropropane-d6	5.985	67	196330	19.284	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.120%
41) Toluene-d8	7.239	98	477221	16.730	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	66.920%
43) trans-1,3-Dichloroprop...	7.554	79	74724	17.900	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.600%
47) 2-Hexanone-d5	8.030	63	49898	36.174	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.340%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	158319	20.810	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	189872	21.171	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.680%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	4169	0.453	ug/L #	72
25) Chloroform	4.275	83	12959	0.725	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.178	83	2826	0.408	ug/L #	88
64) 1,3-Dichlorobenzene	11.123	146	5614	0.341	ug/L	94
65) 1,4-Dichlorobenzene	11.207	146	7493	0.441	ug/L	94
67) 1,2-Dichlorobenzene	11.577	146	6818	0.440	ug/L	93
69) 1,3,5-Trichlorobenzene	12.586	180	4911	0.398	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	6312	0.650	ug/L	98
71) Naphthalene	13.445	128	20907	1.320	ug/L	98
72) 1,2,3-Trichlorobenzene	13.683	180	6024	0.680	ug/L	96

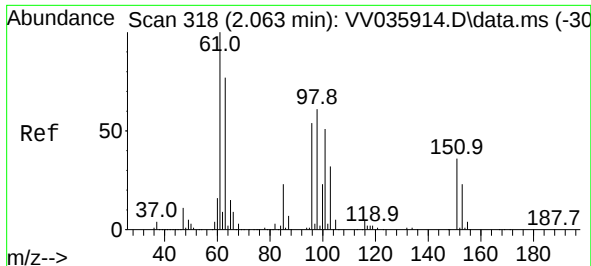
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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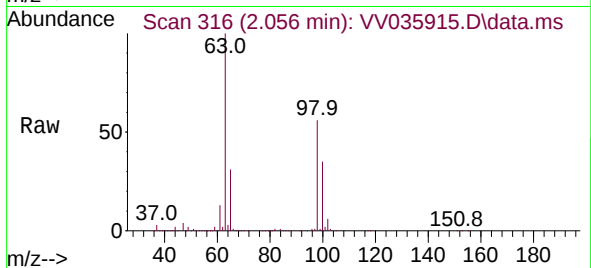
Quant Time: May 31 23:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 22:59:48 2024
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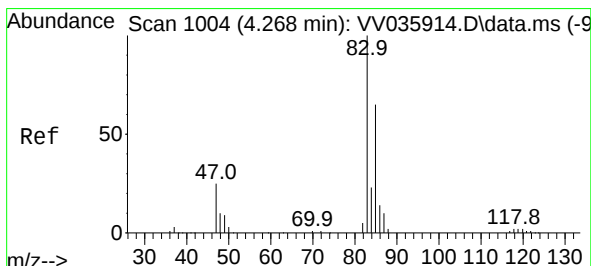
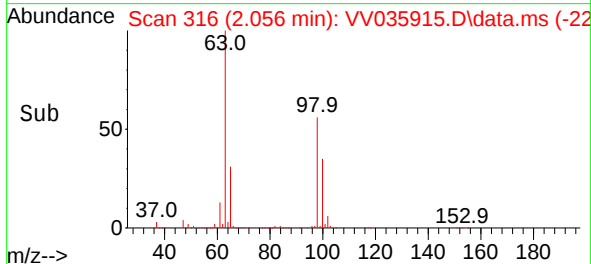
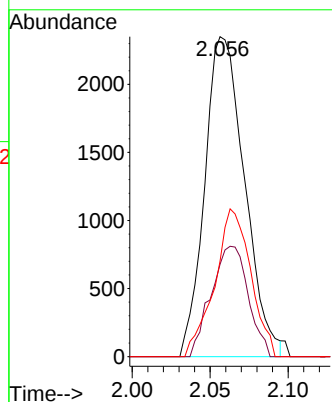


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.453 ug/L
RT: 2.056 min Scan# 316
Delta R.T. -0.006 min
Lab File: VV035915.D
Acq: 31 May 2024 09:14

Instrument :
MSVOA_V
ClientSampleId :

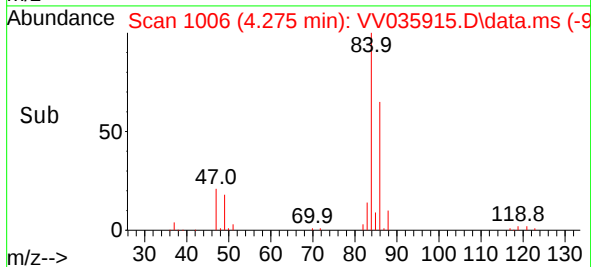
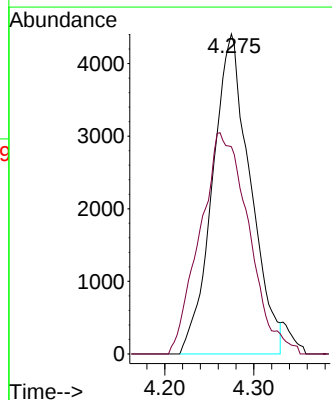
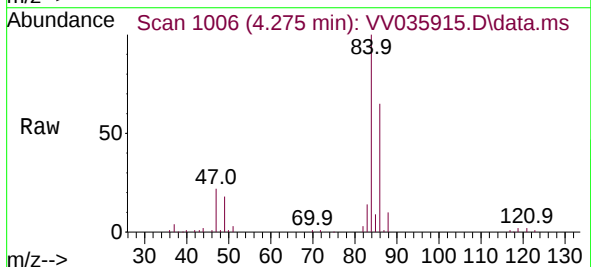


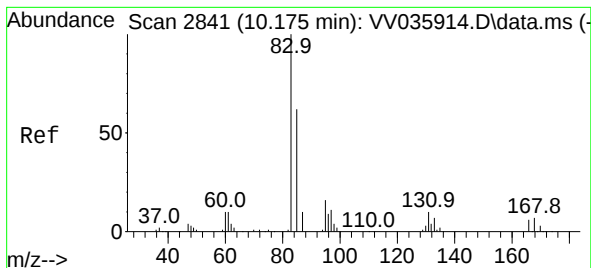
Tgt Ion:101 Resp: 4169
Ion Ratio Lower Upper
101 100
85 32.1 34.5 51.7#
151 42.0 56.3 84.5#



#25
Chloroform
Concen: 0.725 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. 0.006 min
Lab File: VV035915.D
Acq: 31 May 2024 09:14

Tgt Ion: 83 Resp: 12959
Ion Ratio Lower Upper
83 100
85 64.7 45.2 84.0





#57

1,1,2,2-Tetrachloroethane

Concen: 0.408 ug/L

RT: 10.178 min Scan# 2842

Delta R.T. 0.003 min

Lab File: VV035915.D

Acq: 31 May 2024 09:14

Instrument :

MSVOA_V

ClientSampleId :

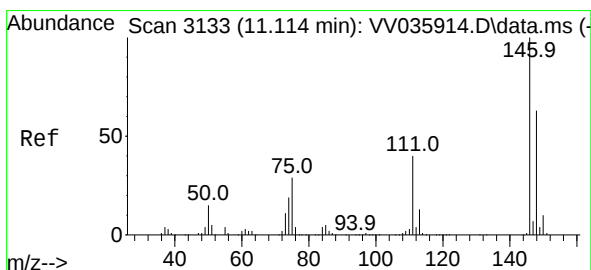
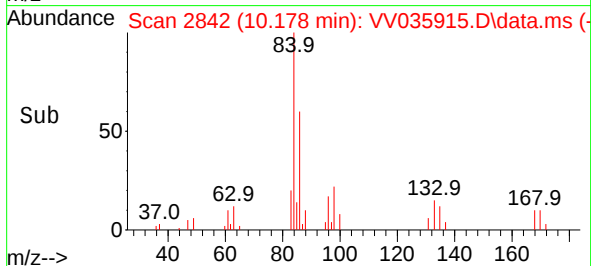
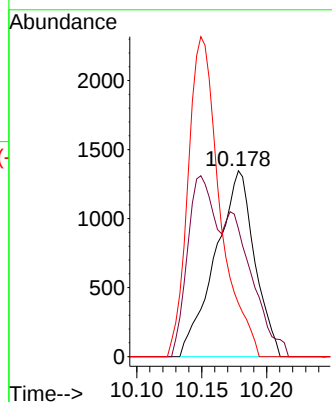
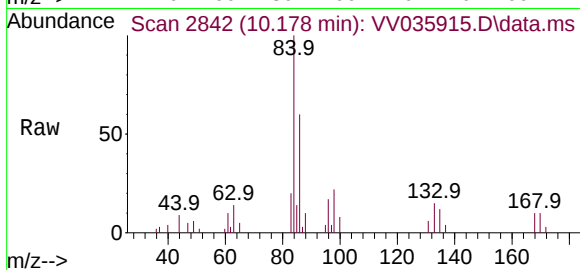
Tgt Ion: 83 Resp: 2826

Ion Ratio Lower Upper

83 100

85 68.7 45.1 83.7

131 28.7 7.6 11.4#



#64

1,3-Dichlorobenzene

Concen: 0.341 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV035915.D

Acq: 31 May 2024 09:14

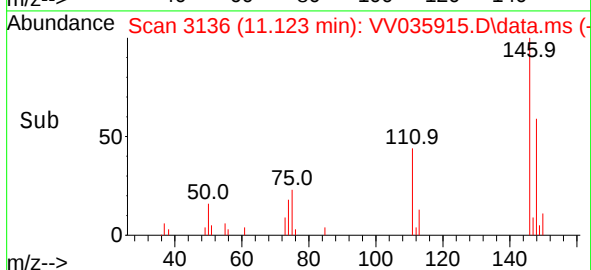
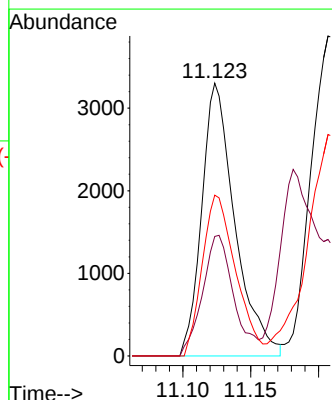
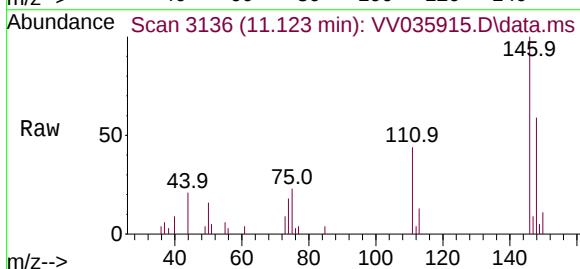
Tgt Ion:146 Resp: 5614

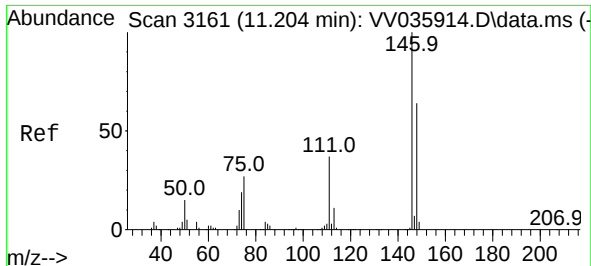
Ion Ratio Lower Upper

146 100

111 43.8 28.1 52.1

148 58.9 44.7 83.1





#65

1,4-Dichlorobenzene

Concen: 0.441 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035915.D

Acq: 31 May 2024 09:14

Instrument :

MSVOA_V

ClientSampleId :

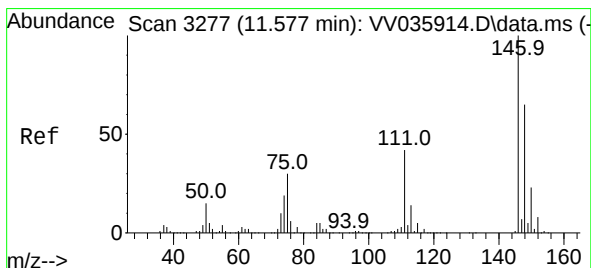
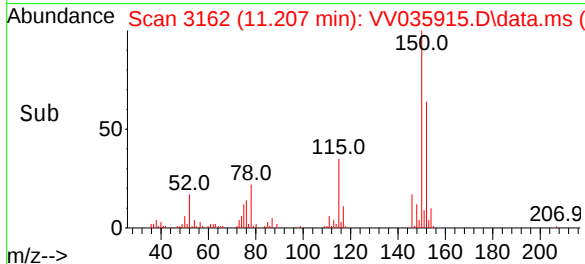
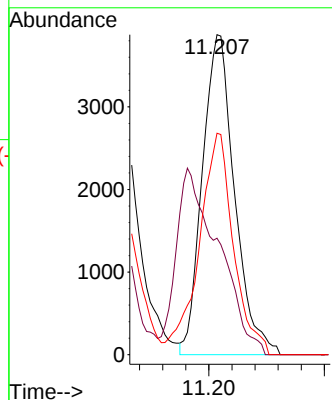
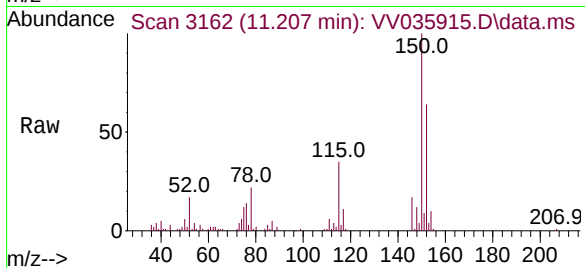
Tgt Ion:146 Resp: 7493

Ion Ratio Lower Upper

146 100

111 36.4 26.9 50.1

148 69.2 44.5 82.7



#67

1,2-Dichlorobenzene

Concen: 0.440 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035915.D

Acq: 31 May 2024 09:14

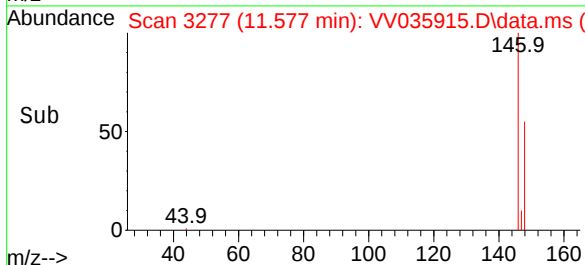
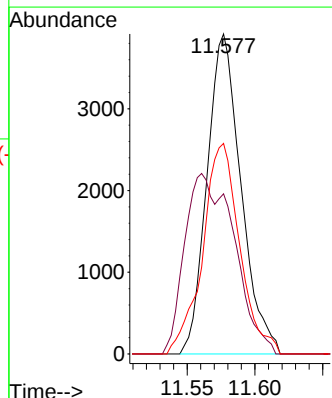
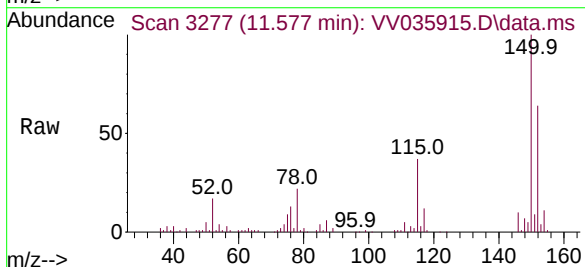
Tgt Ion:146 Resp: 6818

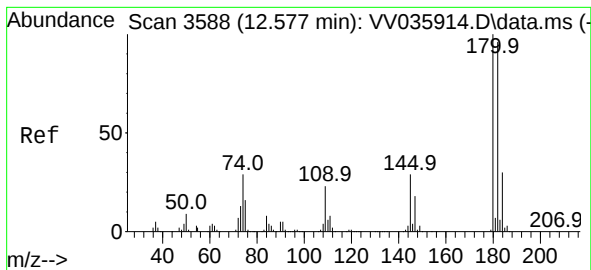
Ion Ratio Lower Upper

146 100

111 50.1 33.5 50.3

148 65.8 50.9 76.3





#69

1,3,5-Trichlorobenzene

Concen: 0.398 ug/L

RT: 12.586 min Scan# 3591

Delta R.T. 0.010 min

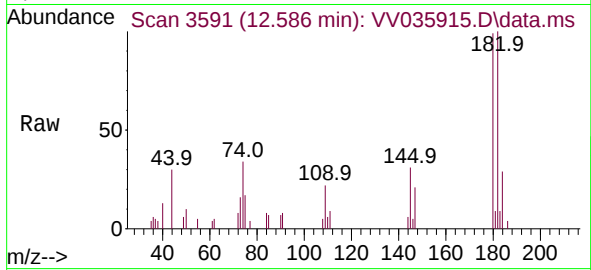
Lab File: VV035915.D

Acq: 31 May 2024 09:14

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 4911

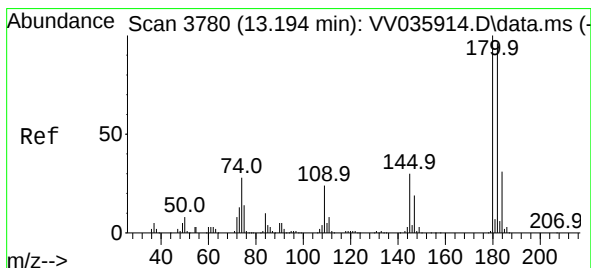
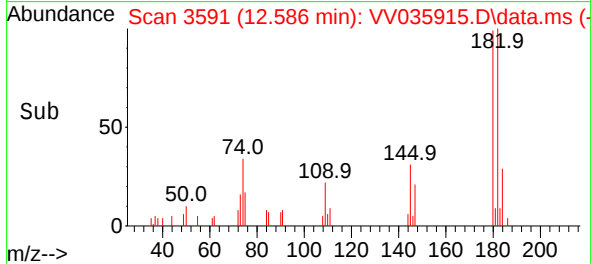
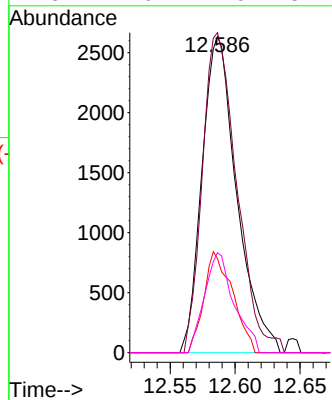
Ion Ratio Lower Upper

180 100

182 99.0 76.2 114.4

184 26.3 24.2 36.2

145 27.0 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 0.650 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.010 min

Lab File: VV035915.D

Acq: 31 May 2024 09:14

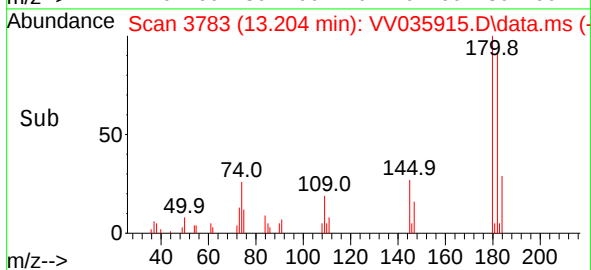
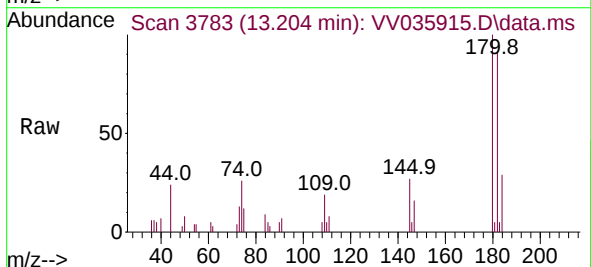
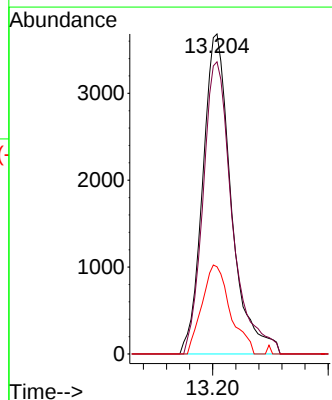
Tgt Ion:180 Resp: 6312

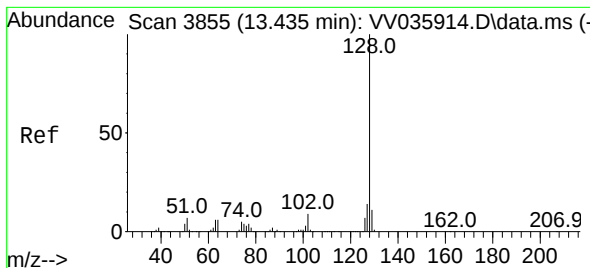
Ion Ratio Lower Upper

180 100

182 93.5 76.1 114.1

145 27.5 23.5 35.3





#71

Naphthalene

Concen: 1.320 ug/L

RT: 13.445 min Scan# 3855

Delta R.T. 0.010 min

Lab File: VV035915.D

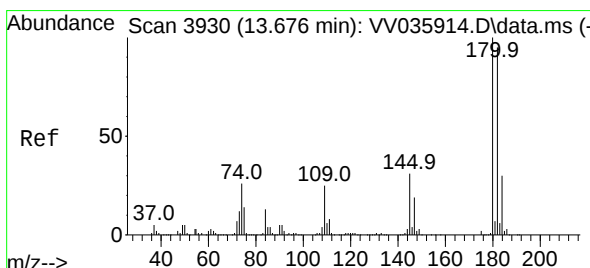
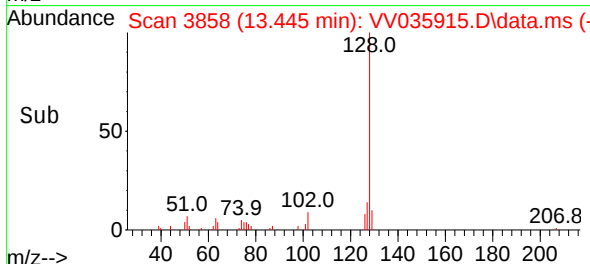
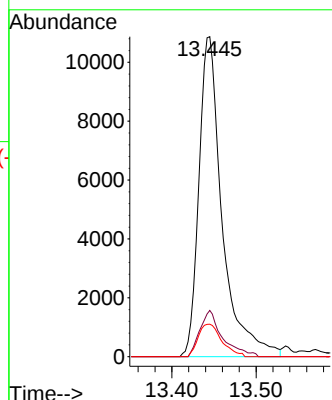
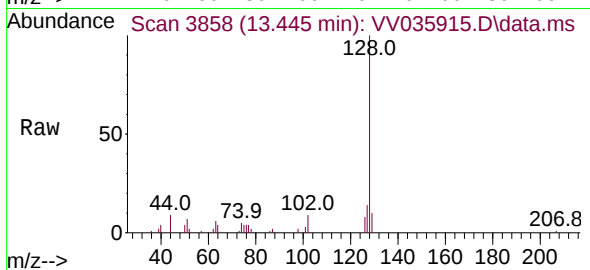
Acq: 31 May 2024 09:14

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	20907
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	16.0
129	10.2	8.8	13.2



#72

1,2,3-Trichlorobenzene

Concen: 0.680 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035915.D

Acq: 31 May 2024 09:14

Tgt Ion:	180	Resp:	6024
Ion Ratio	Lower	Upper	
180	100		
182	98.2	75.1	112.7
145	33.5	25.2	37.8

