

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV035029.D
 Acq On : 06 Apr 2024 01:27
 Operator : SY/MD
 Sample : P2009-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 06 03:20:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

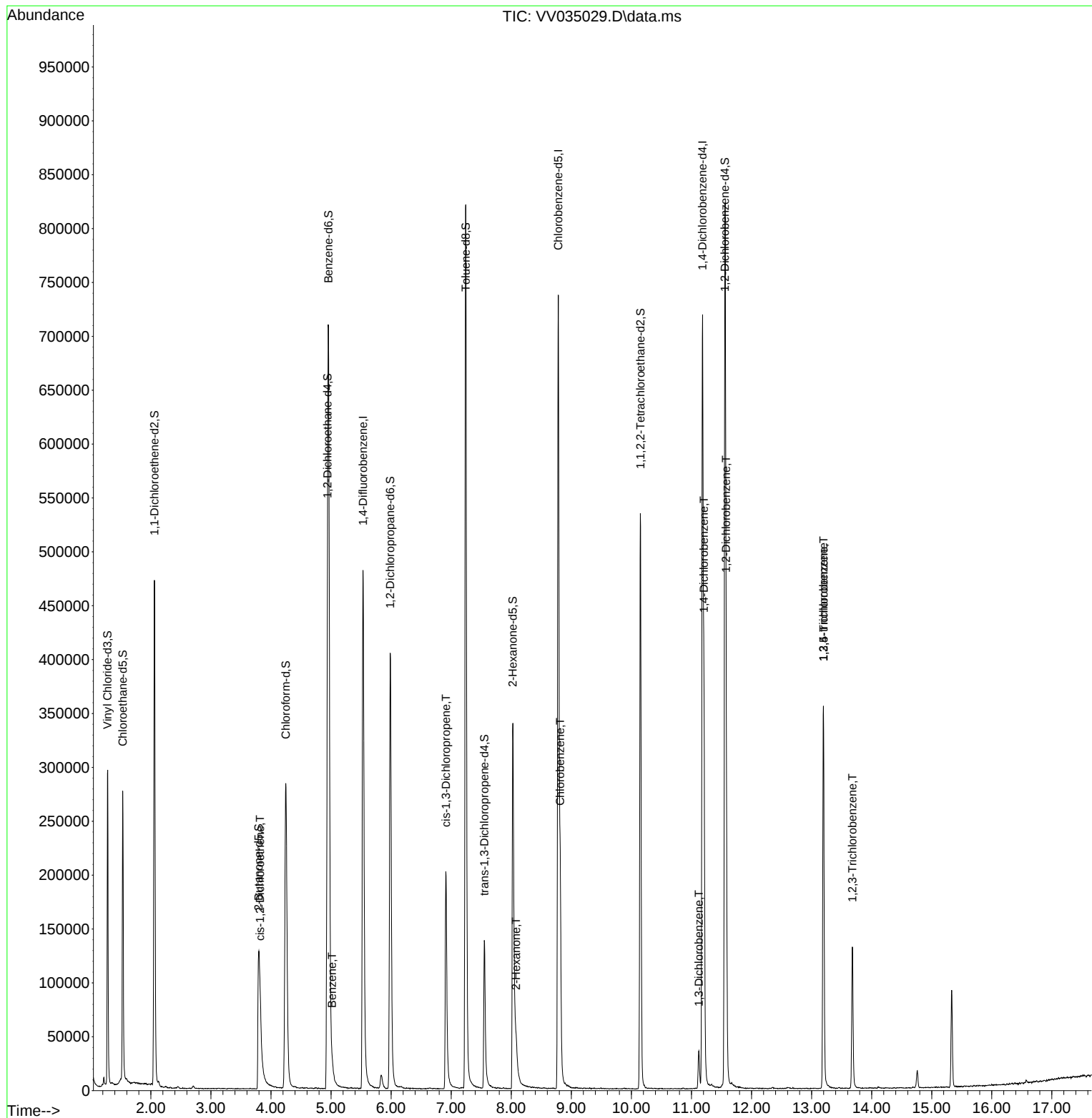
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	421361	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	397051	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	172672	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	191787	47.130	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.260%		
7) Chloroethane-d5	1.532	69	167177	47.299	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.600%		
11) 1,1-Dichloroethene-d2	2.060	65	80913	45.360	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.720%		
21) 2-Butanone-d5	3.793	46	202854	84.052	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.050%		
24) Chloroform-d	4.246	84	309449	45.229	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.460%		
26) 1,2-Dichloroethane-d4	4.941	65	202364	46.587	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.180%		
32) Benzene-d6	4.957	84	639273	47.932	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.860%		
36) 1,2-Dichloropropane-d6	5.985	67	205734	48.577	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.160%		
41) Toluene-d8	7.243	98	557785	46.439	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.880%		
43) trans-1,3-Dichloroprop...	7.551	79	86925	42.219	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.440%		
47) 2-Hexanone-d5	8.024	63	116584	72.808	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	72.810%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	259304	44.461	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.920%		
66) 1,2-Dichlorobenzene-d4	11.558	152	190262	49.076	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.160%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	3.818	96	20690	5.959	ug/L	96
33) Benzene	5.014	78	16875	1.303	ug/L	100
39) cis-1,3-Dichloropropene	6.911	75	4724	0.838	ug/L #	74
48) 2-Hexanone	8.082	43	25694	6.613	ug/L	92
51) Chlorobenzene	8.815	112	115452	13.142	ug/L	100
64) 1,3-Dichlorobenzene	11.124	146	14666	2.521	ug/L	97
65) 1,4-Dichlorobenzene	11.207	146	138869	23.474	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	112865	19.476	ug/L	100
69) 1,3,5-Trichlorobenzene	13.197	180	109253	26.059	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	109253	28.369	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	39728	10.465	ug/L	98

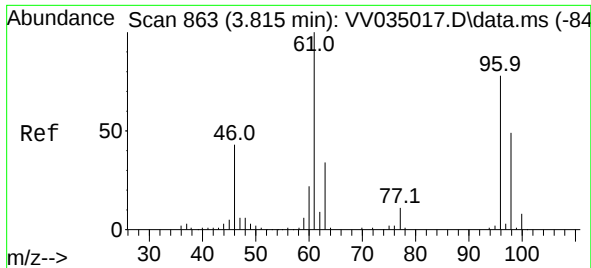
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 06 03:20:31 2024
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Quant Title : VOC Analysis
QLast Update : Sat Apr 06 02:25:24 2024
Response via : Initial Calibration





#20

cis-1,2-Dichloroethene

Concen: 5.959 ug/L

RT: 3.818 min Scan# 863

Delta R.T. 0.003 min

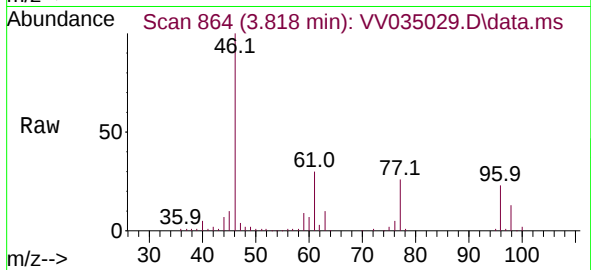
Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

Instrument :

MSVOA_V

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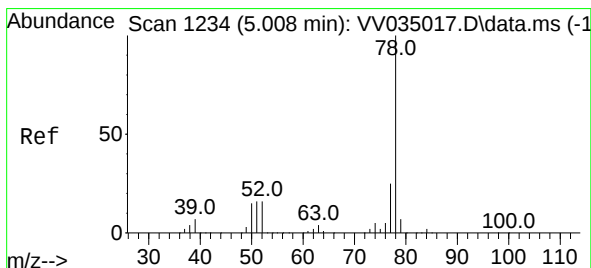
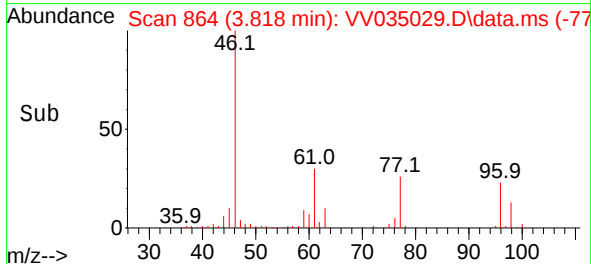
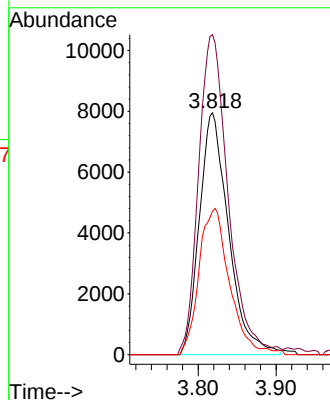
Tgt Ion: 96 Resp: 20690

Ion Ratio Lower Upper

96 100

61 132.2 94.9 176.3

98 59.3 45.6 84.8



#33

Benzene

Concen: 1.303 ug/L

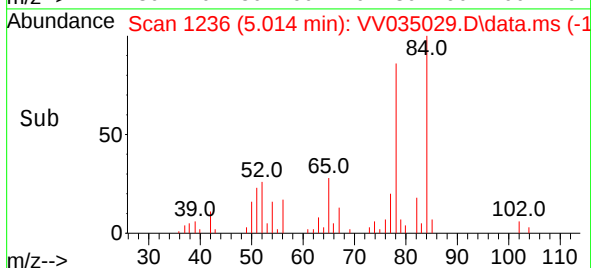
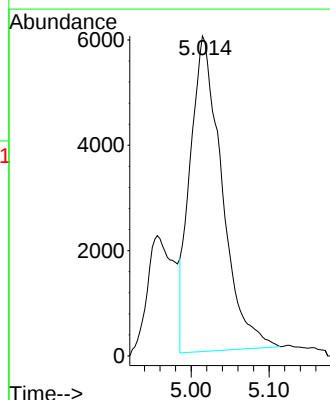
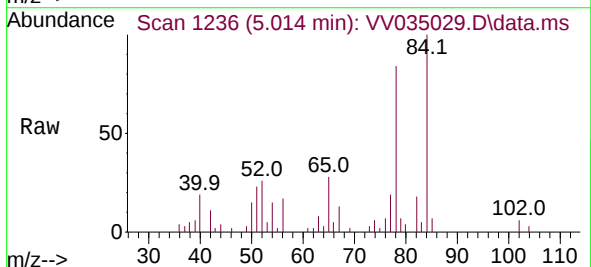
RT: 5.014 min Scan# 1236

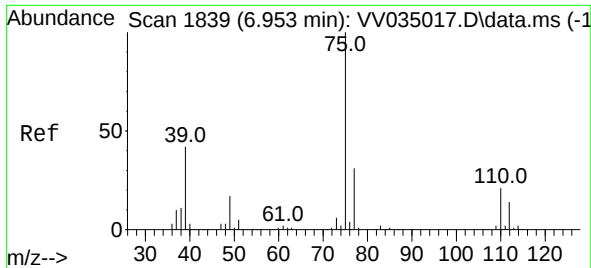
Delta R.T. 0.006 min

Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

Tgt Ion: 78 Resp: 16875

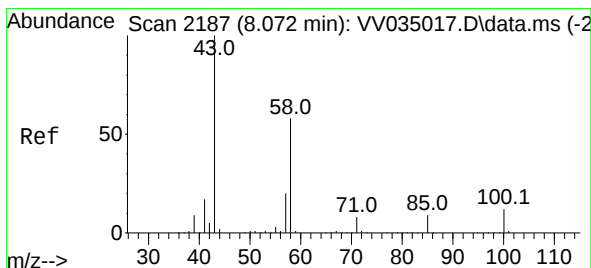
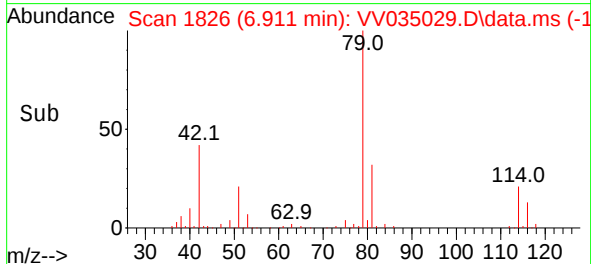
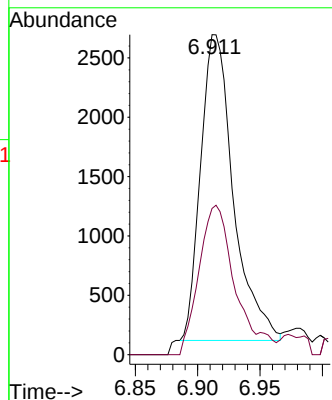
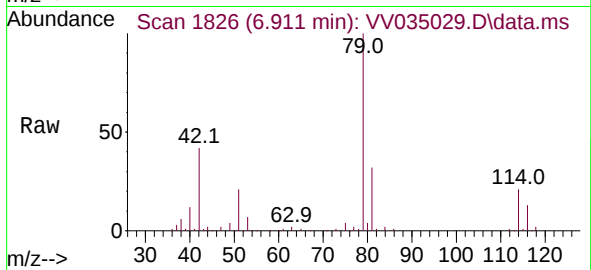




#39
cis-1,3-Dichloropropene
Concen: 0.838 ug/L
RT: 6.911 min Scan# 11
Delta R.T. -0.042 min
Lab File: VV035029.D
Acq: 06 Apr 2024 01:27

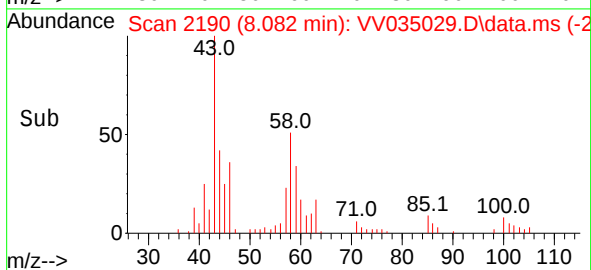
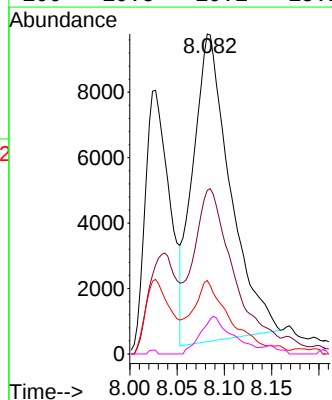
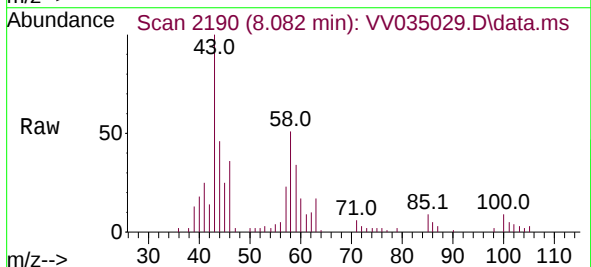
Instrument :
MSVOA_V
ClientSampleId :

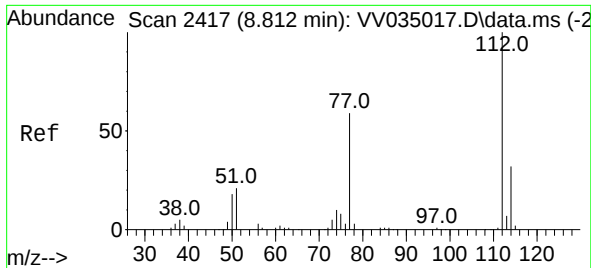
Tgt Ion: 75 Resp: 4724
Ion Ratio Lower Upper
75 100
77 45.7 21.9 40.7#



#48
2-Hexanone
Concen: 6.613 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. 0.010 min
Lab File: VV035029.D
Acq: 06 Apr 2024 01:27

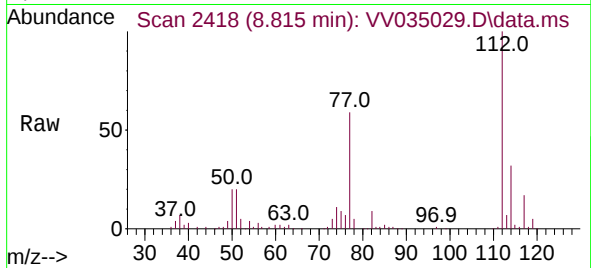
Tgt Ion: 43 Resp: 25694
Ion Ratio Lower Upper
43 100
58 49.4 45.4 68.2
57 18.0 16.2 24.4
100 10.5 10.1 15.1



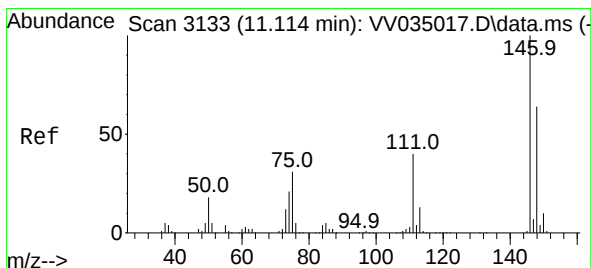
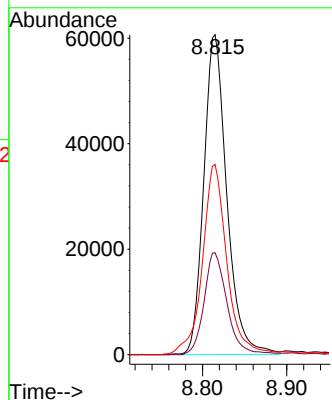
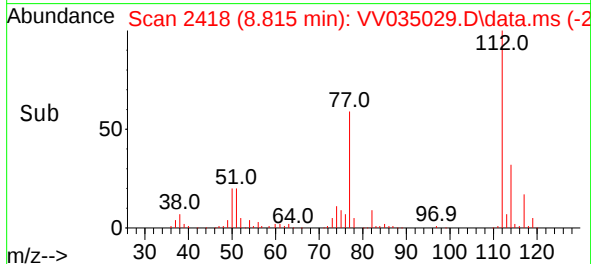


#51
Chlorobenzene
Concen: 13.142 ug/L
RT: 8.815 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035029.D
Acq: 06 Apr 2024 01:27

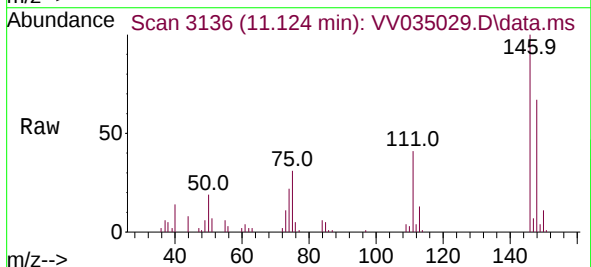
Instrument :
MSVOA_V
ClientSampleId :



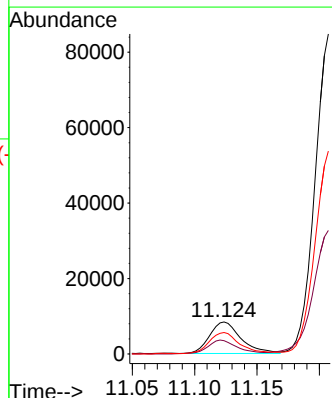
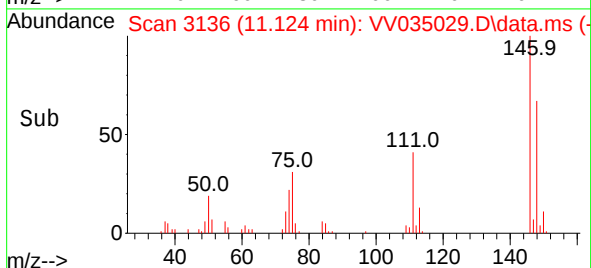
Tgt Ion:112 Resp: 115452
Ion Ratio Lower Upper
112 100
114 31.8 22.0 41.0
77 59.4 47.4 71.2

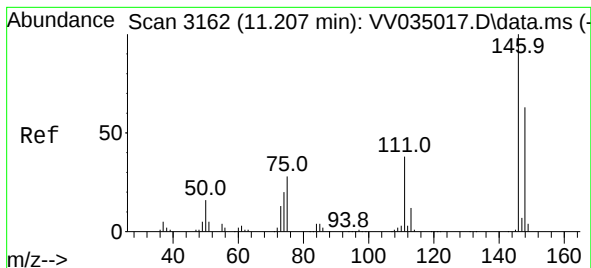


#64
1,3-Dichlorobenzene
Concen: 2.521 ug/L
RT: 11.124 min Scan# 3136
Delta R.T. 0.010 min
Lab File: VV035029.D
Acq: 06 Apr 2024 01:27



Tgt Ion:146 Resp: 14666
Ion Ratio Lower Upper
146 100
111 41.3 28.7 53.3
148 66.9 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 23.474 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

Instrument :

MSVOA_V

ClientSampleId :

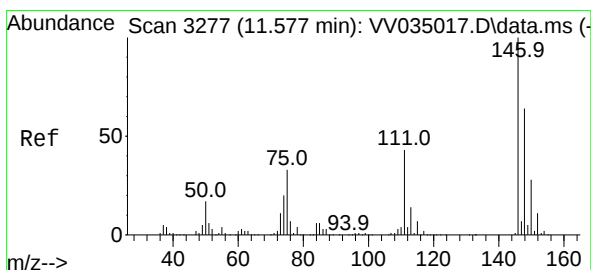
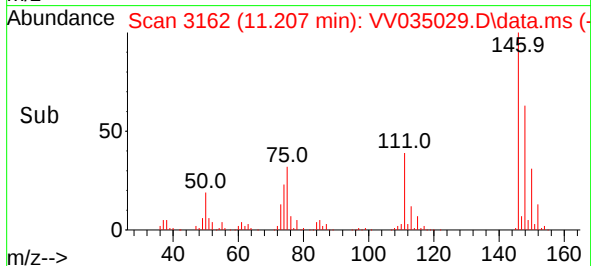
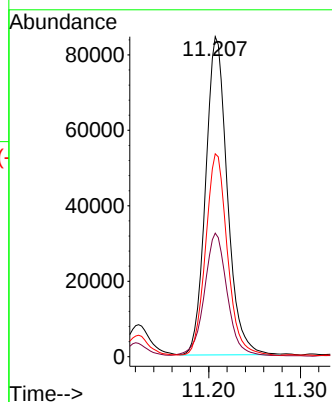
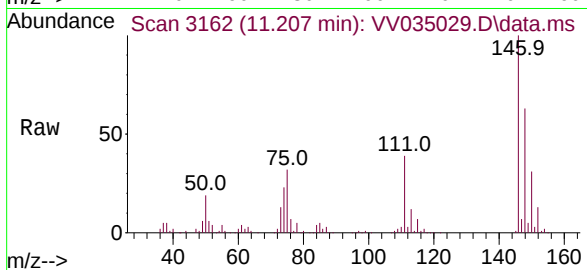
Tgt Ion:146 Resp: 138869

Ion Ratio Lower Upper

146 100

111 38.6 27.4 50.8

148 63.4 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 19.476 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. -0.000 min

Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

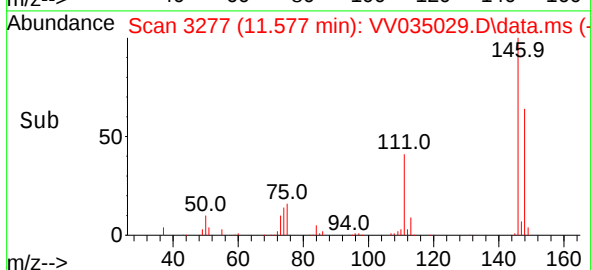
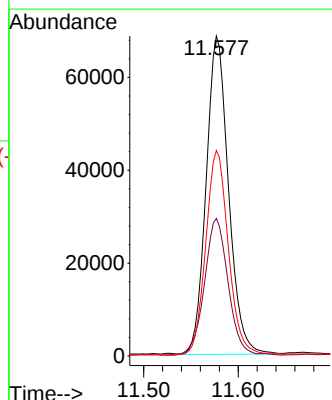
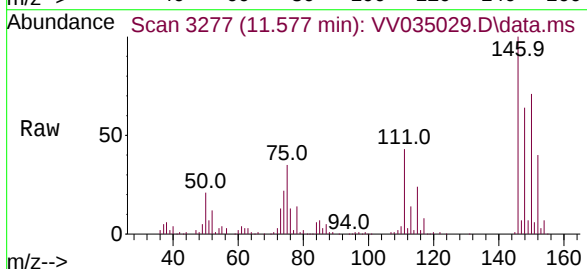
Tgt Ion:146 Resp: 112865

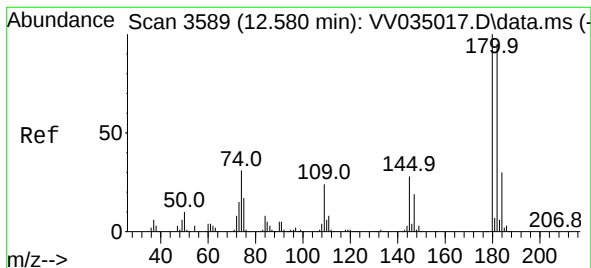
Ion Ratio Lower Upper

146 100

111 43.0 34.6 52.0

148 64.2 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 26.059 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.617 min

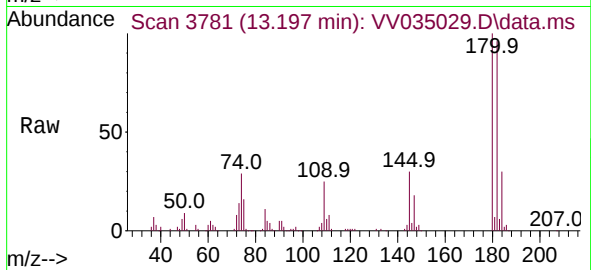
Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 109253

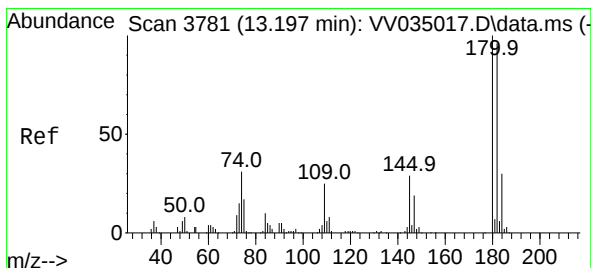
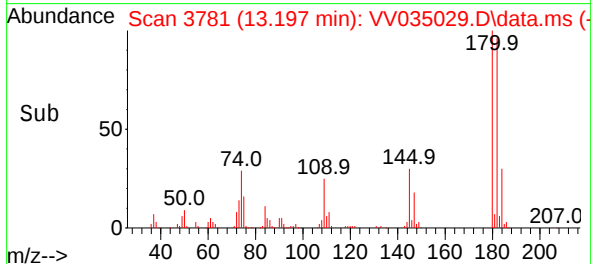
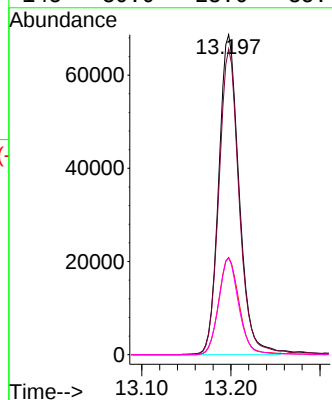
Ion Ratio Lower Upper

180 100

182 95.0 74.7 112.1

184 30.9 24.0 36.0

145 30.0 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 28.369 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.000 min

Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

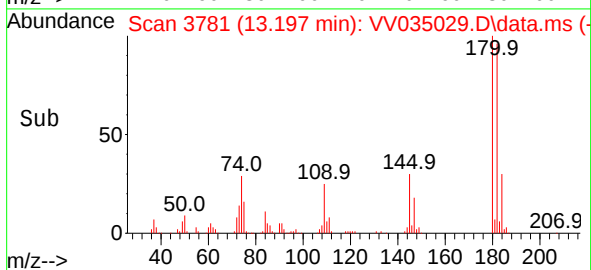
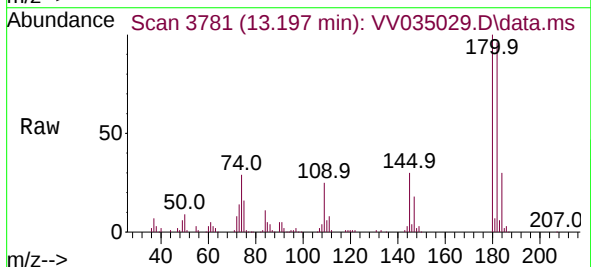
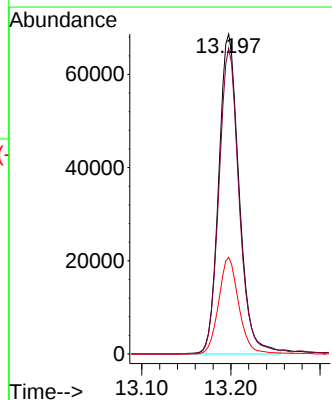
Tgt Ion:180 Resp: 109253

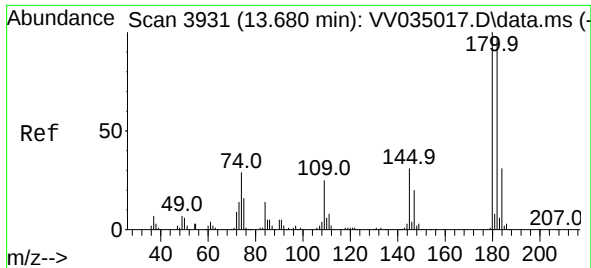
Ion Ratio Lower Upper

180 100

182 95.0 75.6 113.4

145 30.0 24.1 36.1





#72

1,2,3-Trichlorobenzene

Concen: 10.465 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.000 min

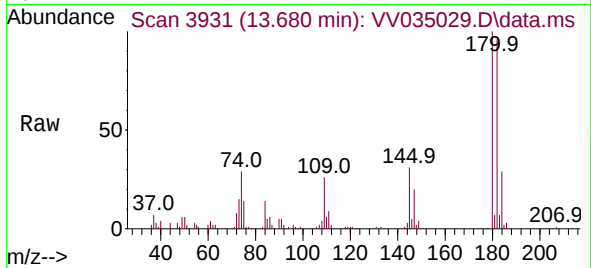
Lab File: VV035029.D

Acq: 06 Apr 2024 01:27

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 39728

Ion Ratio Lower Upper

180 100

182 97.6 76.2 114.2

145 31.7 25.8 38.6

