

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032024\
 Data File : VV034766.D
 Acq On : 20 Mar 2024 16:08
 Operator : SY/MD
 Sample : P1757-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 21 02:21:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 21 02:16:15 2024
 Response via : Initial Calibration

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

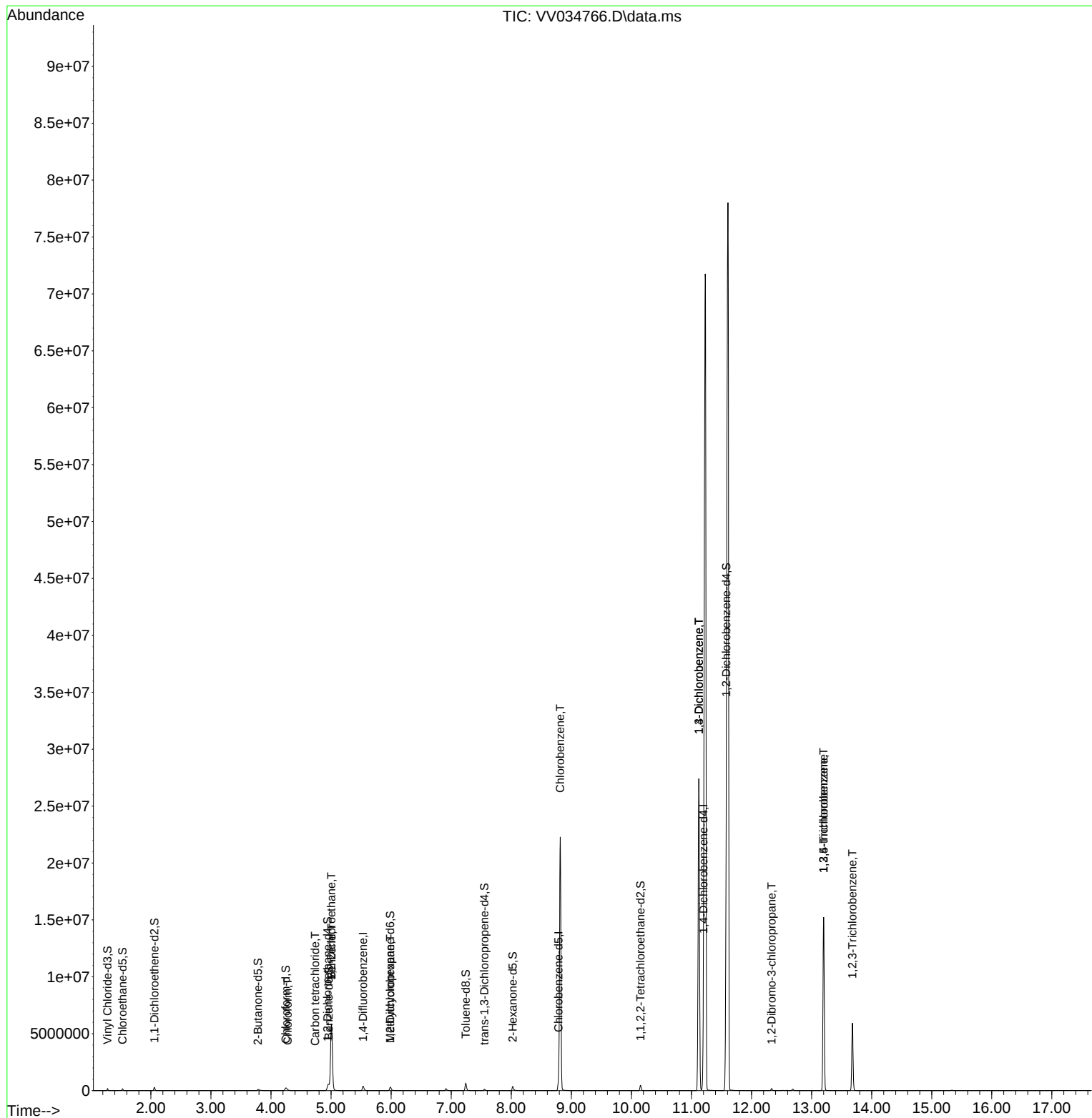
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	342000	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	333448	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.197	152	205196	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	112261	37.865	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	75.720%		
7) Chloroethane-d5	1.529	69	101930	44.130	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.260%		
11) 1,1-Dichloroethene-d2	2.060	65	47327	35.297	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.600%		
21) 2-Butanone-d5	3.783	46	179935	90.754	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	90.750%		
24) Chloroform-d	4.246	84	243579	46.466	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.940%		
26) 1,2-Dichloroethane-d4	4.940	65	167673	48.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.900%		
32) Benzene-d6	4.960	84	478169	47.515	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.020%		
36) 1,2-Dichloropropane-d6	5.985	67	145045	47.227	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.460%		
41) Toluene-d8	7.243	98	421080	46.237	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.480%		
43) trans-1,3-Dichloroprop...	7.551	79	71940	46.646	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.300%		
47) 2-Hexanone-d5	8.024	63	125471	81.813	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.810%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	201111	49.760	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.520%		
66) 1,2-Dichlorobenzene-d4	11.580	152	201350	48.006	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.020%		
Target Compounds						Qvalue
25) Chloroform	4.278	83	50551	10.045	ug/L	97
27) 1,2-Dichloroethane	5.005	62	55231	13.508	ug/L #	77
31) Carbon tetrachloride	4.735	117	12614	2.980	ug/L	100
33) Benzene	5.008	78	5811956	561.531	ug/L	100
35) Methylcyclohexane	5.985	83	35052	7.837	ug/L #	18
51) Chlorobenzene	8.815	112	10833419	1529.796	ug/L	95
64) 1,3-Dichlorobenzene	11.123	146	10571217	1575.449	ug/L	94
65) 1,4-Dichlorobenzene	11.123	146	10571217	1551.390	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.332	75	31061	26.621	ug/L #	6
69) 1,3,5-Trichlorobenzene	13.201	180	4193817	833.139	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	4193817	925.907	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	1638652	370.852	ug/L	99

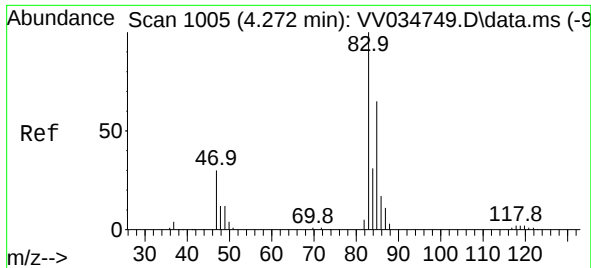
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM022924WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 21 02:16:15 2024
Response via : Initial Calibration





#25

Chloroform

Concen: 10.045 ug/L

RT: 4.278 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV034766.D

Acq: 20 Mar 2024 16:08

Instrument :

MSVOA_V

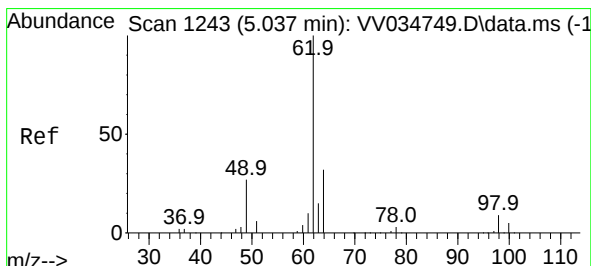
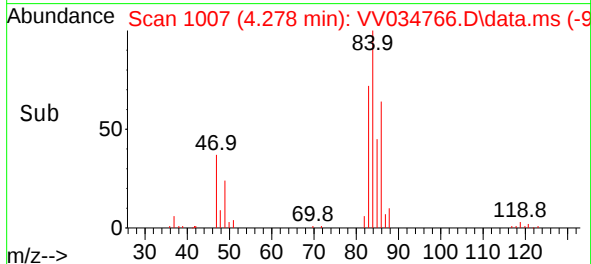
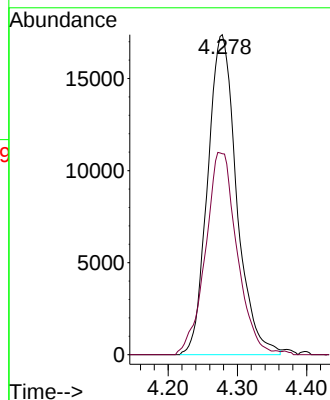
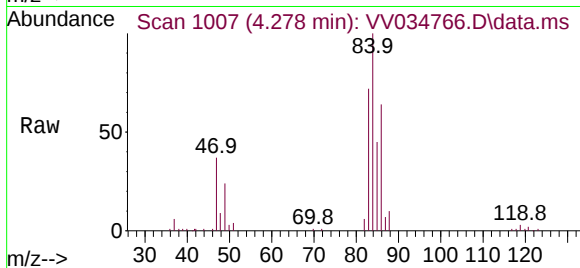
ClientSampleId :

Tgt Ion: 83 Resp: 50551

Ion Ratio Lower Upper

83 100

85 62.8 45.5 84.5



#27

1,2-Dichloroethane

Concen: 13.508 ug/L

RT: 5.005 min Scan# 1233

Delta R.T. -0.032 min

Lab File: VV034766.D

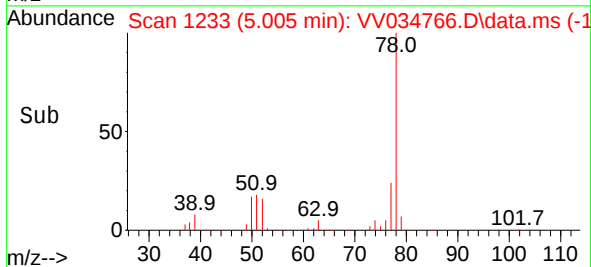
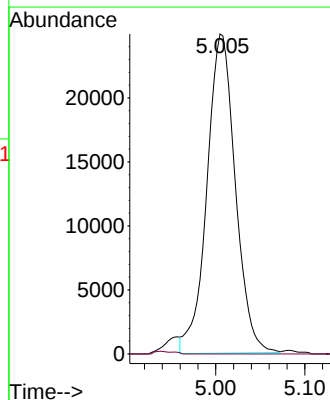
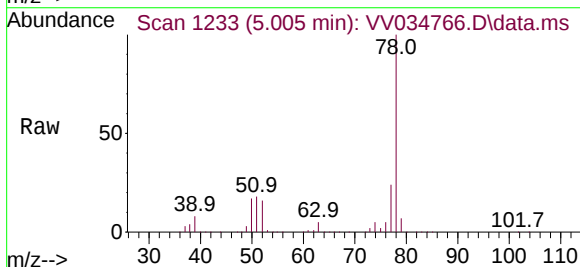
Acq: 20 Mar 2024 16:08

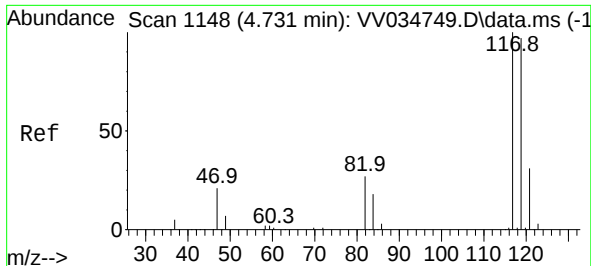
Tgt Ion: 62 Resp: 55231

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#

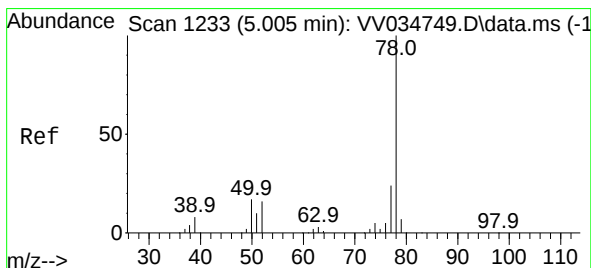
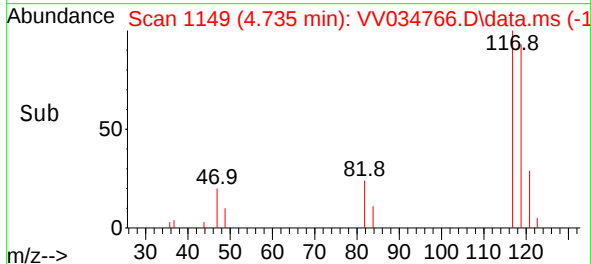
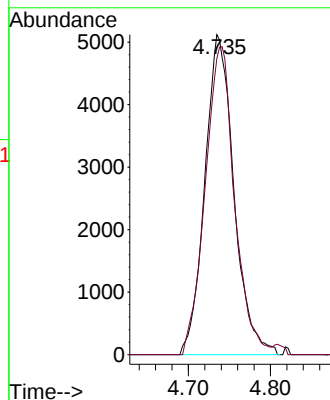
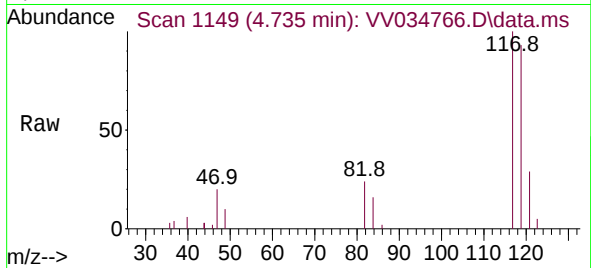




#31
Carbon tetrachloride
Concen: 2.980 ug/L
RT: 4.735 min Scan# 1148
Delta R.T. 0.003 min
Lab File: VV034766.D
Acq: 20 Mar 2024 16:08

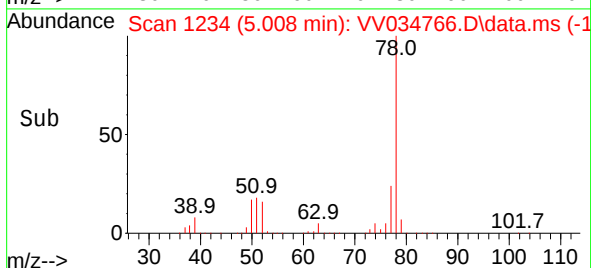
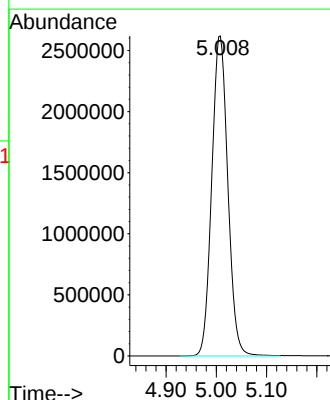
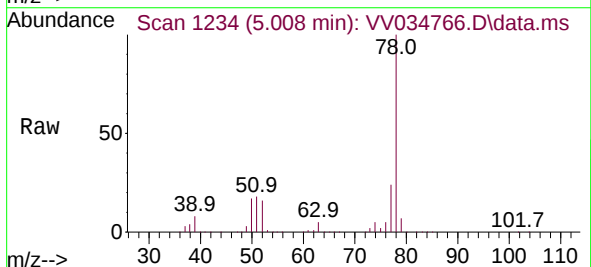
Instrument :
MSVOA_V
ClientSampleId :

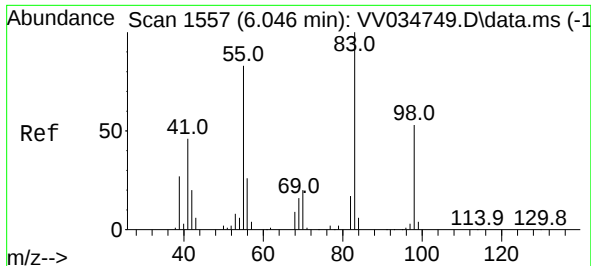
Tgt Ion:117 Resp: 12614
Ion Ratio Lower Upper
117 100
119 97.2 77.5 116.3



#33
Benzene
Concen: 561.531 ug/L
RT: 5.008 min Scan# 1234
Delta R.T. 0.003 min
Lab File: VV034766.D
Acq: 20 Mar 2024 16:08

Tgt Ion: 78 Resp: 5811956





#35

Methylcyclohexane

Concen: 7.837 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.061 min

Lab File: VV034766.D

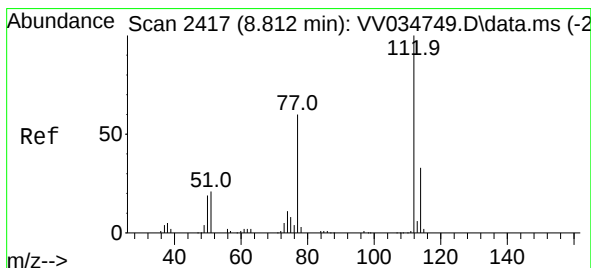
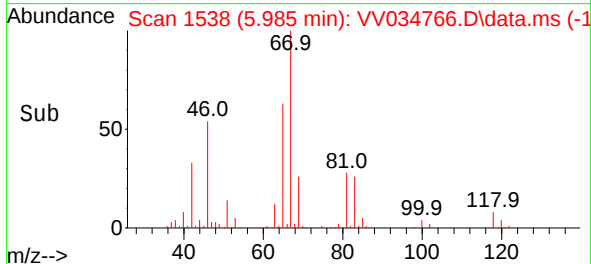
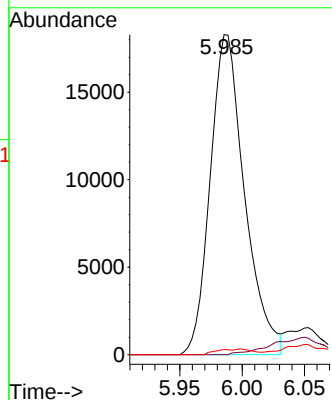
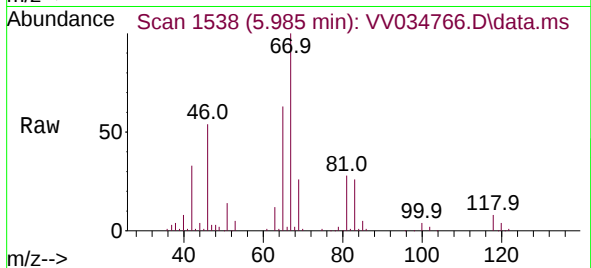
Acq: 20 Mar 2024 16:08

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	35052
Ion Ratio	Lower	Upper	
83	100		
55	0.0	62.6	94.0#
98	0.9	39.5	59.3#



#51

Chlorobenzene

Concen: 1529.796 ug/L

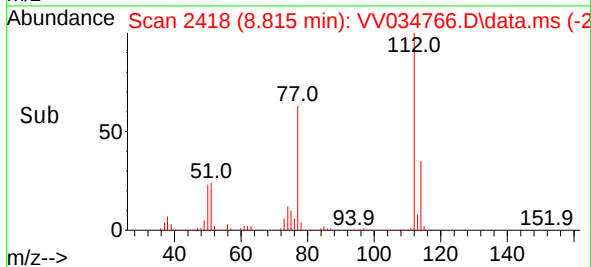
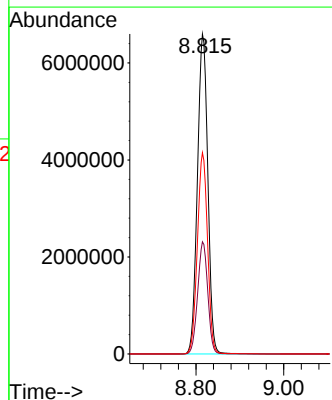
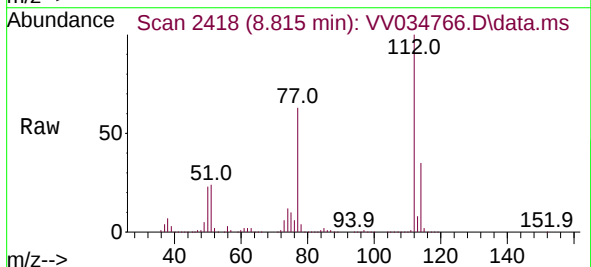
RT: 8.815 min Scan# 2418

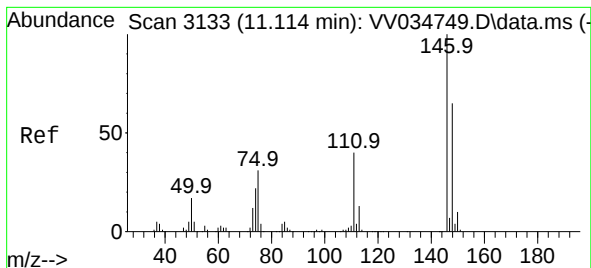
Delta R.T. 0.003 min

Lab File: VV034766.D

Acq: 20 Mar 2024 16:08

Tgt Ion:	112	Resp:	10833419
Ion Ratio	Lower	Upper	
112	100		
114	35.0	22.3	41.5
77	62.9	47.7	71.5





#64

1,3-Dichlorobenzene

Concen: 1575.449 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.010 min

Lab File: VV034766.D

Acq: 20 Mar 2024 16:08

Instrument :

MSVOA_V

ClientSampleId :

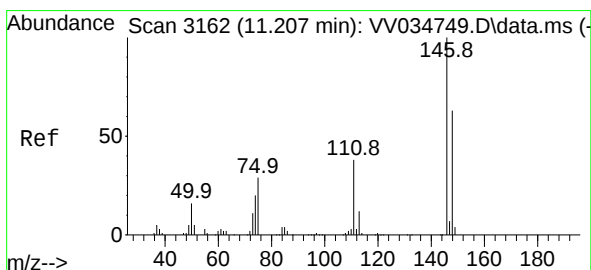
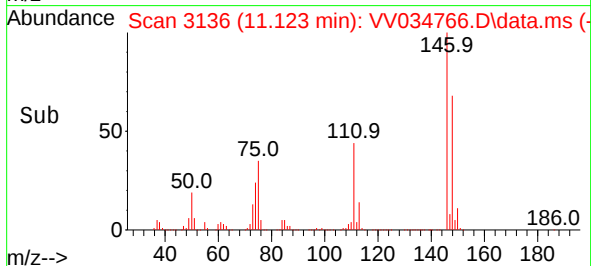
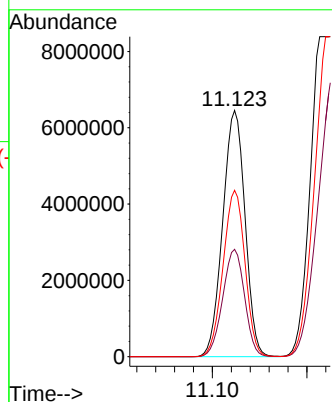
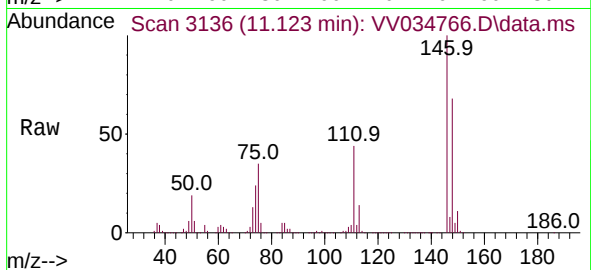
Tgt Ion:146 Resp:10571217

Ion Ratio Lower Upper

146 100

111 43.6 27.9 51.7

148 67.6 44.2 82.0



#65

1,4-Dichlorobenzene

Concen: 1551.390 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.084 min

Lab File: VV034766.D

Acq: 20 Mar 2024 16:08

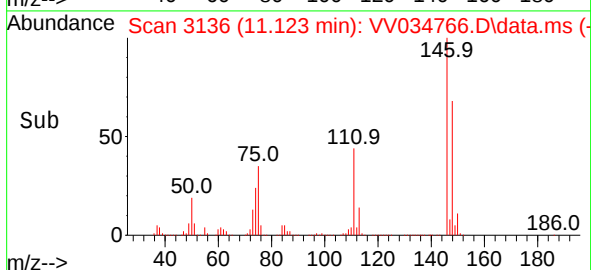
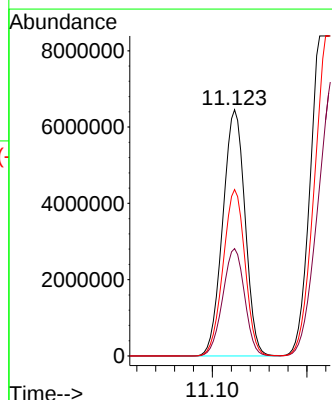
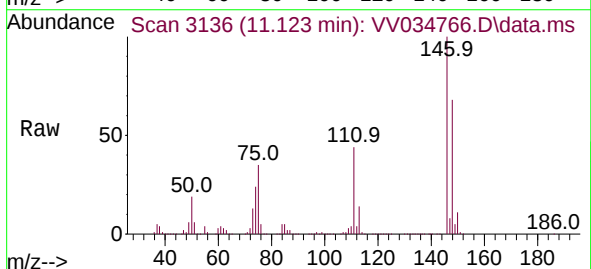
Tgt Ion:146 Resp:10571217

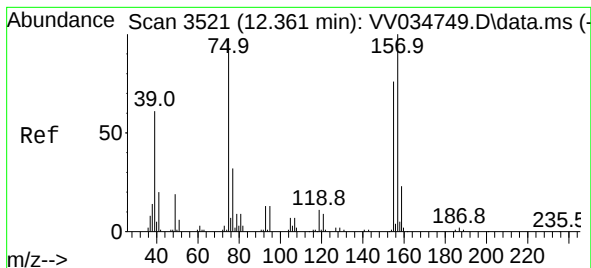
Ion Ratio Lower Upper

146 100

111 43.6 26.5 49.1

148 67.6 44.0 81.8

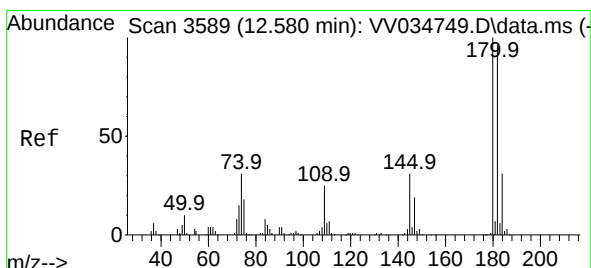
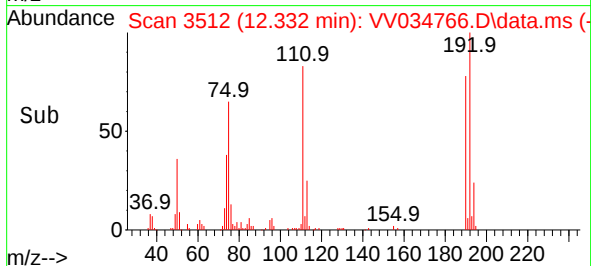
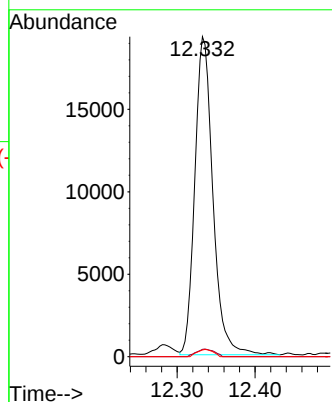
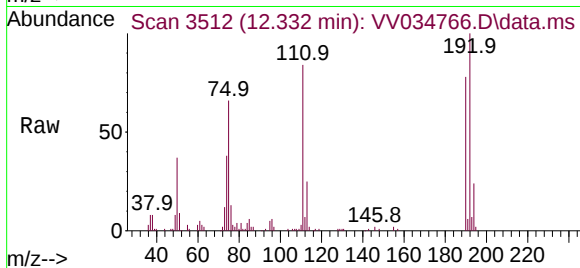




#68
1,2-Dibromo-3-chloropropane
Concen: 26.621 ug/L
RT: 12.332 min Scan# 31061
Delta R.T. -0.029 min
Lab File: VV034766.D
Acq: 20 Mar 2024 16:08

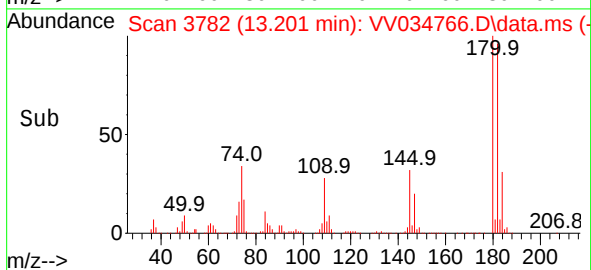
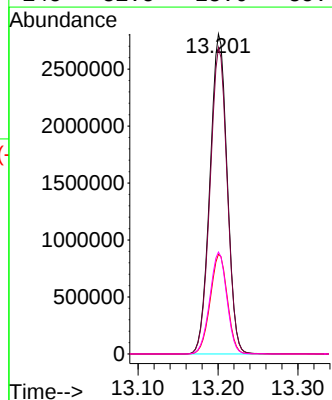
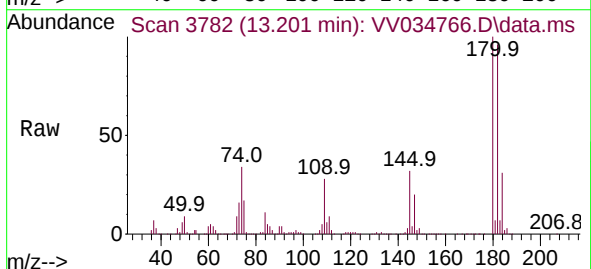
Instrument :
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ClientSampleId :

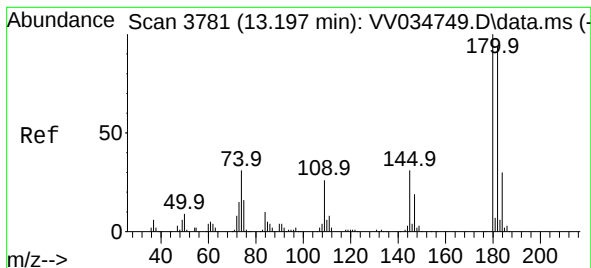
Tgt Ion: 75 Resp: 31061
Ion Ratio Lower Upper
75 100
155 2.3 63.3 94.9#
157 2.1 81.4 122.0#



#69
1,3,5-Trichlorobenzene
Concen: 833.139 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.621 min
Lab File: VV034766.D
Acq: 20 Mar 2024 16:08

Tgt Ion:180 Resp: 4193817
Ion Ratio Lower Upper
180 100
182 95.7 74.6 112.0
184 31.1 23.6 35.4
145 31.5 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 925.907 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV034766.D

Acq: 20 Mar 2024 16:08

Instrument :

MSVOA_V

ClientSampleId :

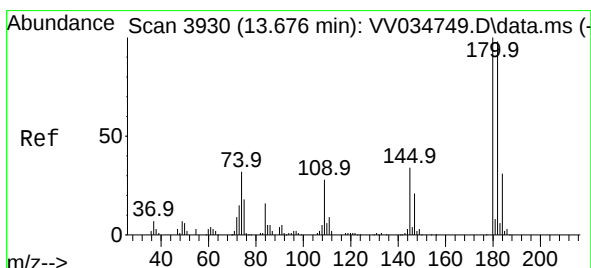
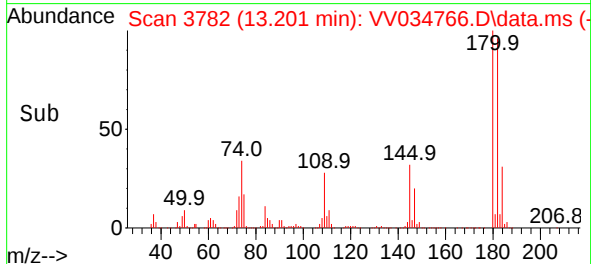
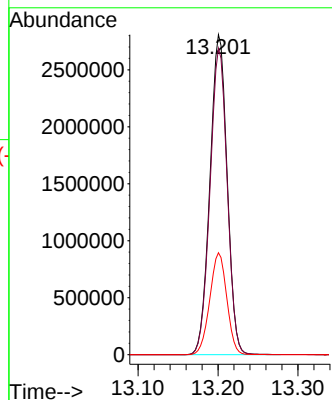
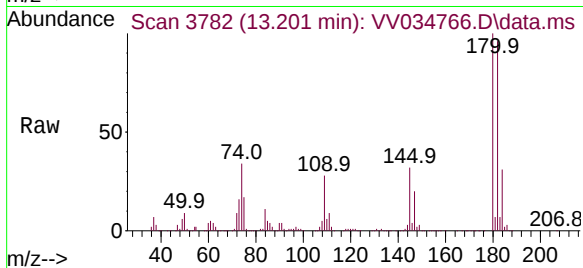
Tgt Ion:180 Resp: 4193817

Ion Ratio Lower Upper

180 100

182 95.7 74.8 112.2

145 31.5 24.2 36.4



#72

1,2,3-Trichlorobenzene

Concen: 370.852 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

Lab File: VV034766.D

Acq: 20 Mar 2024 16:08

Tgt Ion:180 Resp: 1638652

Ion Ratio Lower Upper

180 100

182 95.9 75.9 113.9

145 33.0 25.5 38.3

