

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092324\
 Data File : VV037472.D
 Acq On : 23 Sep 2024 11:37
 Operator : SY/MD
 Sample : P4106-04 400X
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 24 03:57:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 03:56:17 2024
 Response via : Initial Calibration

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

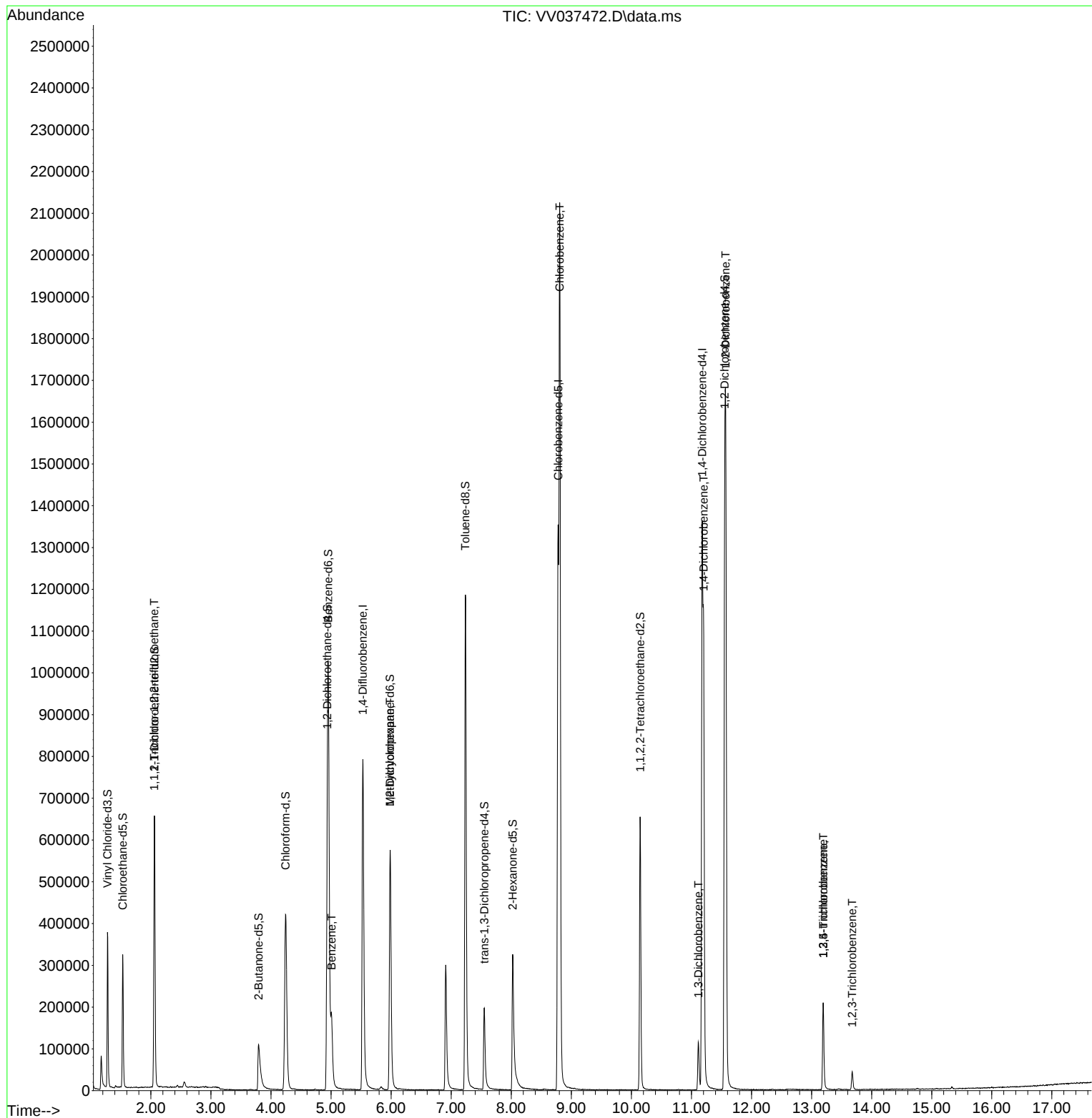
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	696913	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	686931	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	325559	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	247575	38.835	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.660%		
7) Chloroethane-d5	1.532	69	207546	42.124	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.240%		
11) 1,1-Dichloroethene-d2	2.060	65	107129	39.982	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.960%		
21) 2-Butanone-d5	3.793	46	182548	73.944	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	73.940%		
24) Chloroform-d	4.243	84	454334	45.536	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.080%		
26) 1,2-Dichloroethane-d4	4.937	65	275225	43.802	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.600%		
32) Benzene-d6	4.953	84	920874	44.384	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.760%		
36) 1,2-Dichloropropane-d6	5.982	67	292533	45.015	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.040%		
41) Toluene-d8	7.236	98	794027	42.404	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.800%		
43) trans-1,3-Dichloroprop...	7.551	79	119572	39.771	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	79.540%		
47) 2-Hexanone-d5	8.024	63	108874	61.387	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	61.390%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	318962	40.470	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	80.940%		
66) 1,2-Dichlorobenzene-d4	11.555	152	302532	46.398	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.800%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	3647	0.756	ug/L #	23
33) Benzene	5.008	78	192653	9.718	ug/L	100
35) Methylcyclohexane	5.982	83	70678	8.314	ug/L #	19
51) Chlorobenzene	8.805	112	1139231	83.369	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	48668	4.994	ug/L	97
65) 1,4-Dichlorobenzene	11.204	146	428760	42.984	ug/L	99
67) 1,2-Dichlorobenzene	11.571	146	537157	56.055	ug/L	99
69) 1,3,5-Trichlorobenzene	13.194	180	63791	9.407	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	63791	9.990	ug/L	98
72) 1,2,3-Trichlorobenzene	13.677	180	13010	2.067	ug/L	100

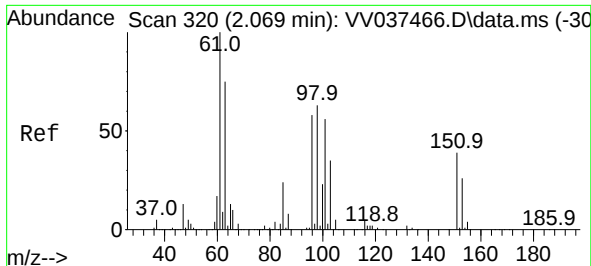
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.756 ug/L

RT: 2.056 min Scan# 316

Delta R.T. -0.013 min

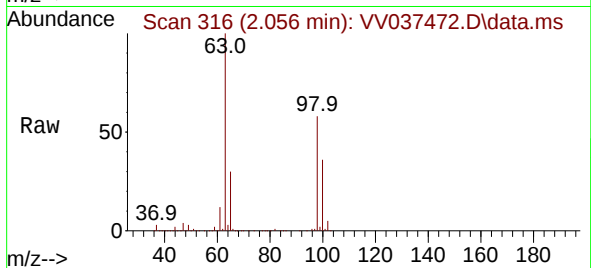
Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :



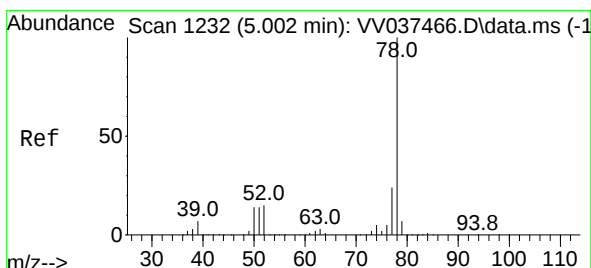
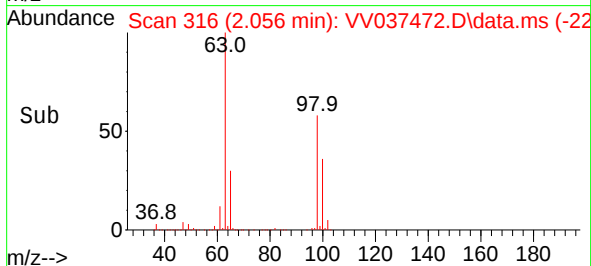
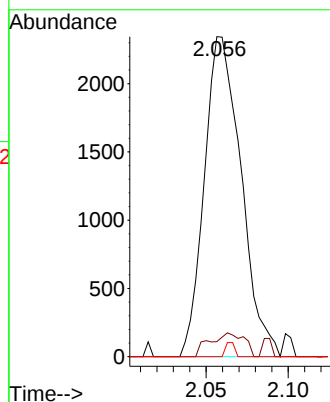
Tgt Ion:101 Resp: 3647

Ion Ratio Lower Upper

101 100

85 1.8 35.6 53.4#

151 0.0 55.0 82.4#



#33

Benzene

Concen: 9.718 ug/L

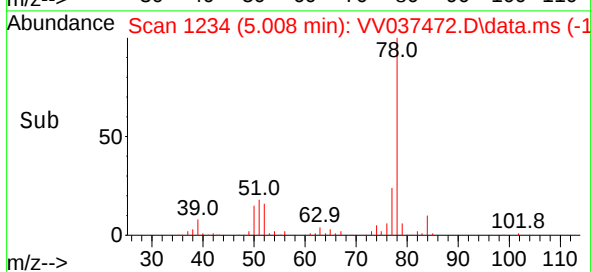
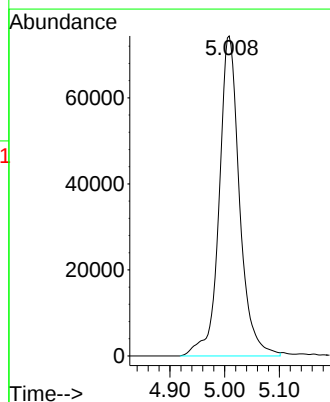
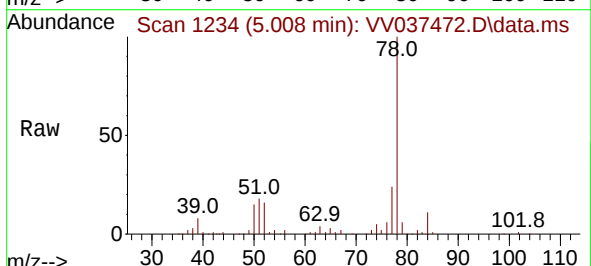
RT: 5.008 min Scan# 1234

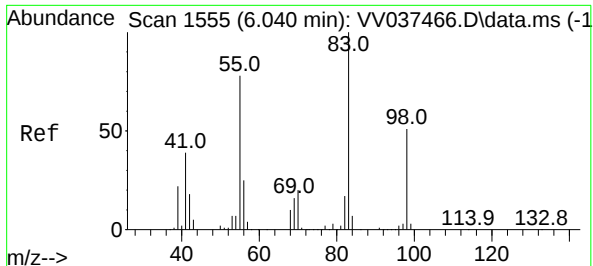
Delta R.T. 0.006 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Tgt Ion: 78 Resp: 192653





#35

Methylcyclohexane

Concen: 8.314 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

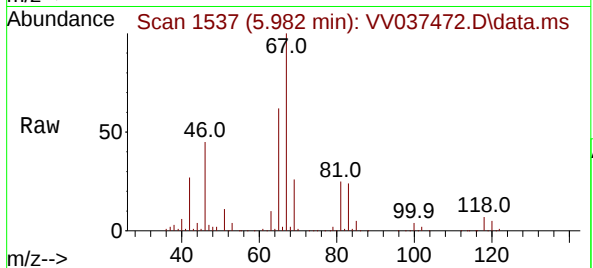
Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :



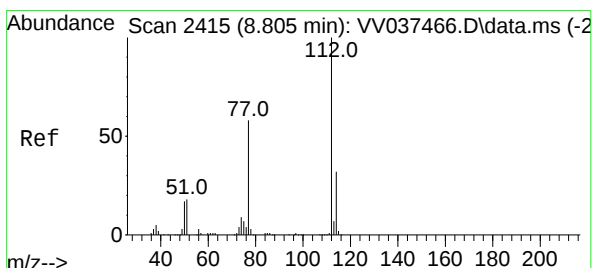
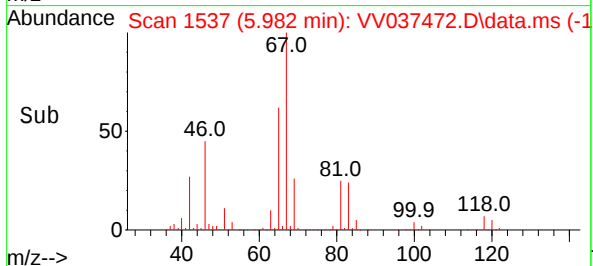
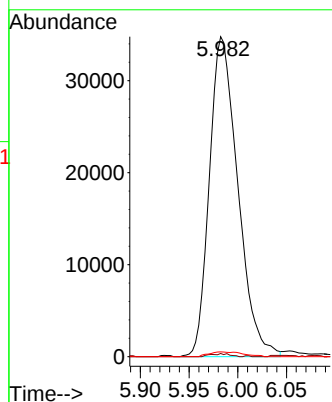
Tgt Ion: 83 Resp: 70678

Ion Ratio Lower Upper

83 100

55 0.4 61.2 91.8#

98 1.1 39.3 58.9#



#51

Chlorobenzene

Concen: 83.369 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

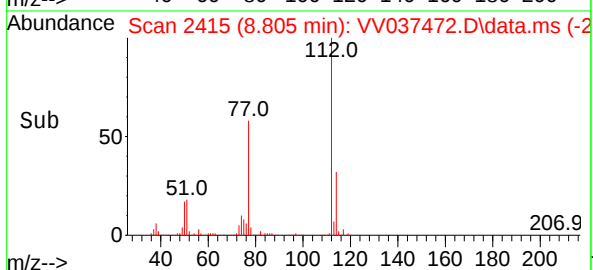
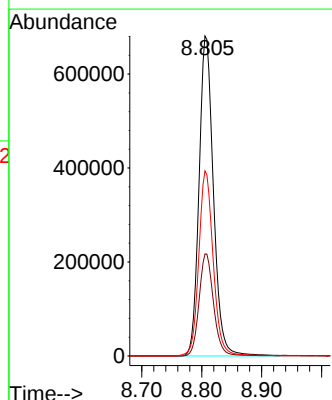
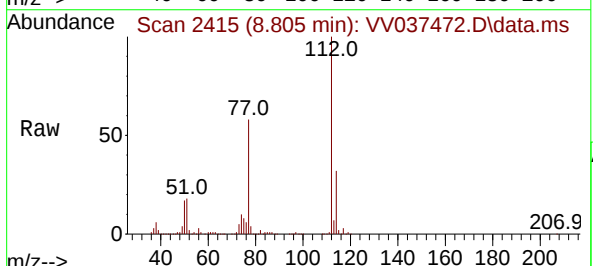
Tgt Ion: 112 Resp: 1139231

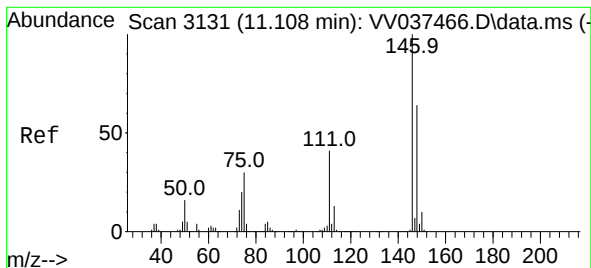
Ion Ratio Lower Upper

112 100

114 31.9 22.3 41.5

77 57.9 47.8 71.8





#64

1,3-Dichlorobenzene

Concen: 4.994 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.007 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

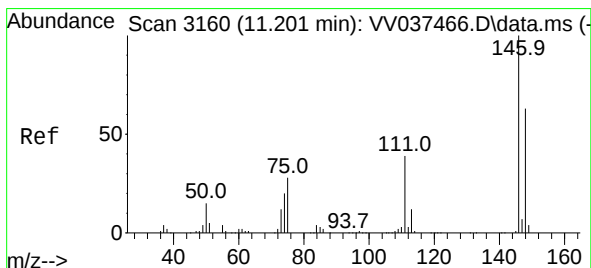
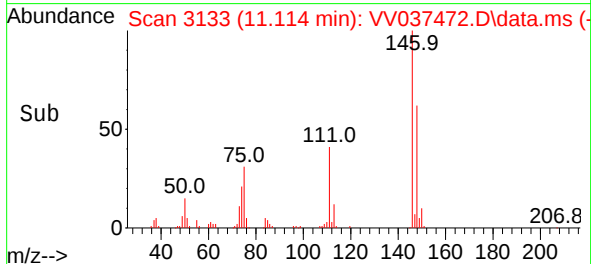
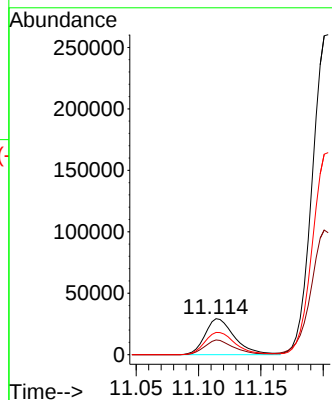
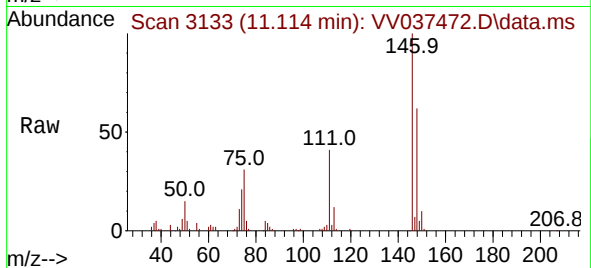
Tgt Ion:146 Resp: 48668

Ion Ratio Lower Upper

146 100

111 40.7 29.7 55.1

148 61.5 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 42.984 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

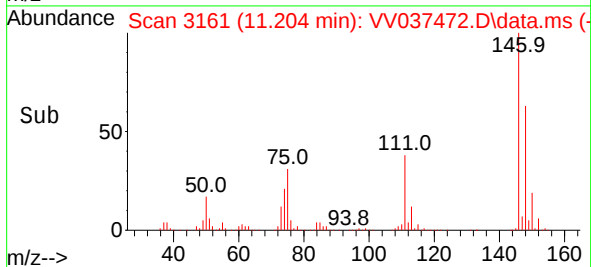
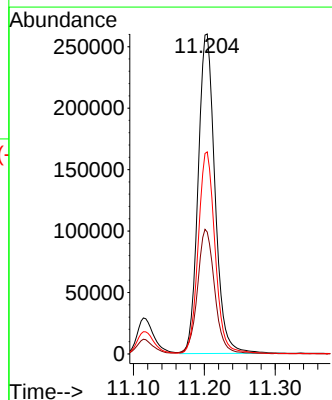
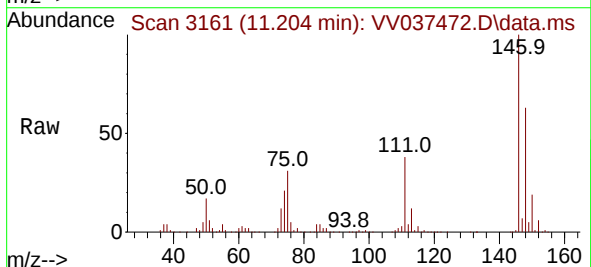
Tgt Ion:146 Resp: 428760

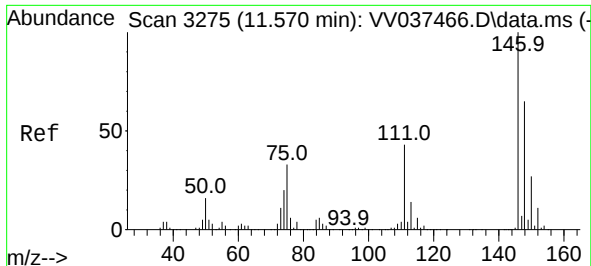
Ion Ratio Lower Upper

146 100

111 38.1 28.1 52.1

148 63.2 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 56.055 ug/L

RT: 11.571 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

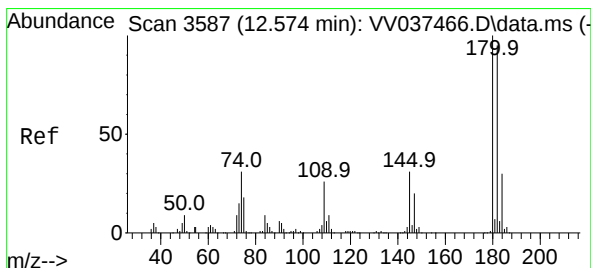
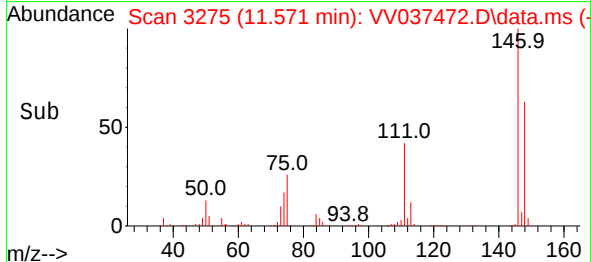
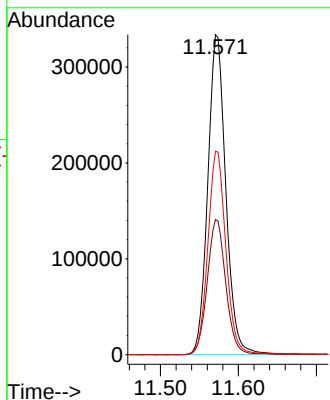
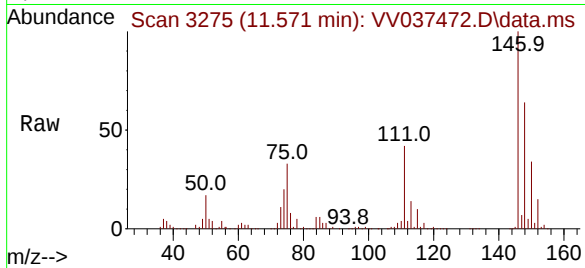
Tgt Ion:146 Resp: 537157

Ion Ratio Lower Upper

146 100

111 42.2 34.6 51.8

148 63.5 50.2 75.4



#69

1,3,5-Trichlorobenzene

Concen: 9.407 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.621 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Tgt Ion:180 Resp: 63791

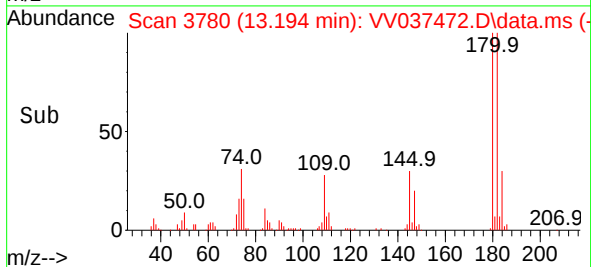
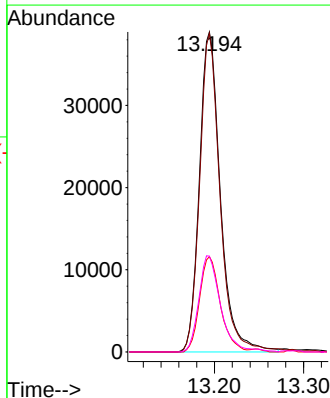
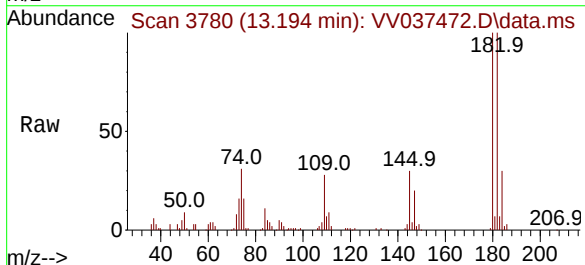
Ion Ratio Lower Upper

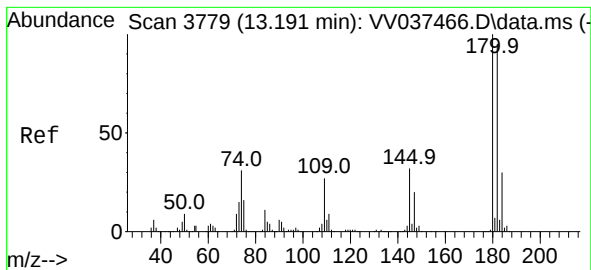
180 100

182 96.0 76.7 115.1

184 29.4 24.2 36.2

145 30.7 25.5 38.3





#70

1,2,4-trichlorobenzene

Concen: 9.990 ug/L

RT: 13.194 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Instrument :

MSVOA_V

ClientSampleId :

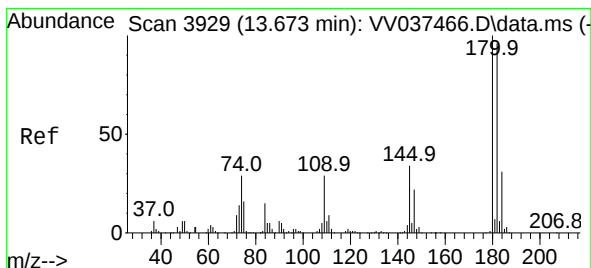
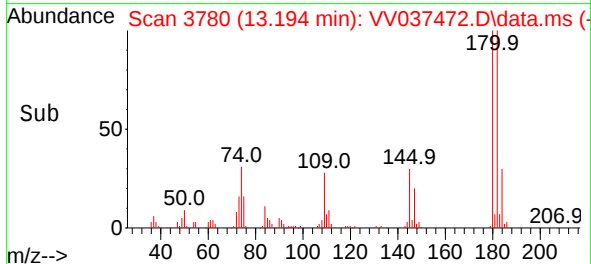
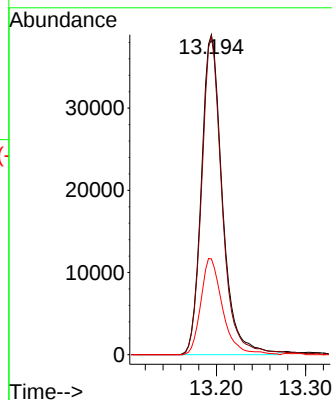
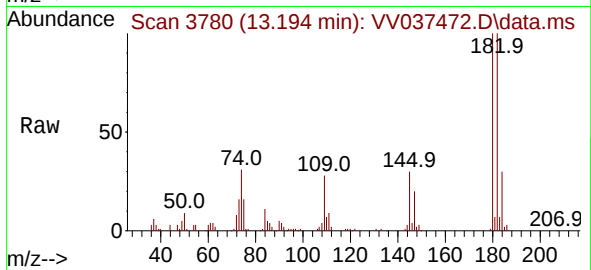
Tgt Ion:180 Resp: 63791

Ion Ratio Lower Upper

180 100

182 96.0 75.7 113.5

145 30.7 26.0 39.0



#72

1,2,3-Trichlorobenzene

Concen: 2.067 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.003 min

Lab File: VV037472.D

Acq: 23 Sep 2024 11:37

Tgt Ion:180 Resp: 13010

Ion Ratio Lower Upper

180 100

182 94.3 75.1 112.7

145 33.5 27.0 40.4

