

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032024\
 Data File : VV034765.D
 Acq On : 20 Mar 2024 15:44
 Operator : SY/MD
 Sample : P1757-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 21 02:21:03 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)

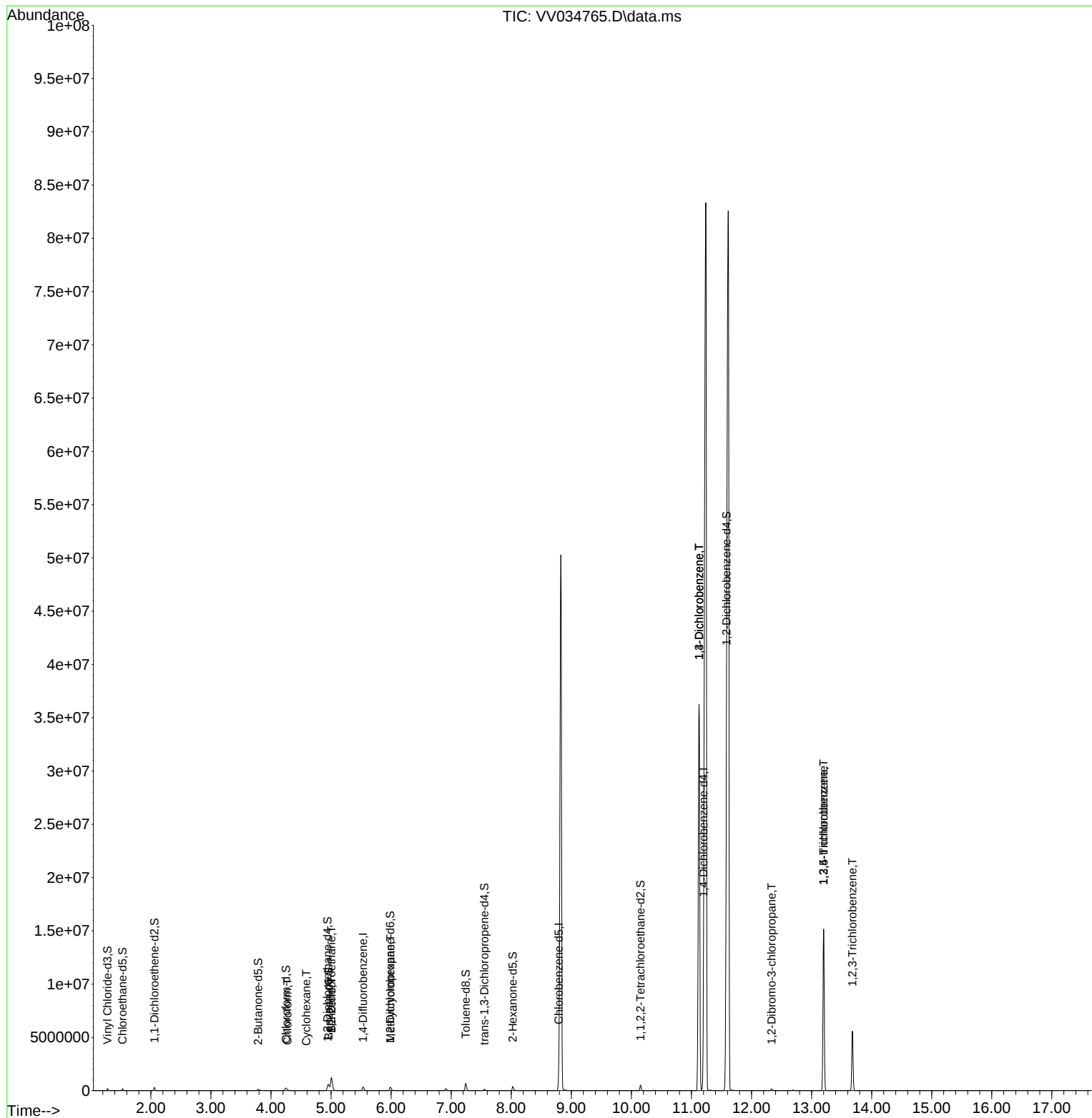
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	298423	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	303195	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.201	152	187928	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	119917	46.353	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.700%
7) Chloroethane-d5	1.529	69	106739	52.960	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.920%
11) 1,1-Dichloroethene-d2	2.060	65	50222	42.926	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.860%
21) 2-Butanone-d5	3.786	46	196861	113.790	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.790%
24) Chloroform-d	4.249	84	252876	55.284	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.560%
26) 1,2-Dichloroethane-d4	4.941	65	176390	59.012	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.020%
32) Benzene-d6	4.960	84	497003	54.314	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.620%
36) 1,2-Dichloropropane-d6	5.986	67	153248	54.877	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.760%
41) Toluene-d8	7.243	98	445718	53.826	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.660%
43) trans-1,3-Dichloroprop...	7.551	79	75538	53.866	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.740%
47) 2-Hexanone-d5	8.024	63	136706	98.034	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.030%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	215503	58.641	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.280%
66) 1,2-Dichlorobenzene-d4	11.583	152	214344	55.800	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.600%
Target Compounds						
					Qvalue	
25) Chloroform	4.275	83	17547	3.996	ug/L	96
27) 1,2-Dichloroethane	5.005	62	12441	3.487	ug/L #	77
29) Cyclohexane	4.587	56	5120	1.284	ug/L #	78
33) Benzene	5.008	78	1227779	130.460	ug/L	100
35) Methylcyclohexane	5.989	83	37408	9.198	ug/L #	18
64) 1,3-Dichlorobenzene	11.127	146	14552295	2368.036	ug/L	91
65) 1,4-Dichlorobenzene	11.127	146	14552295	2331.873	ug/L	89
68) 1,2-Dibromo-3-chloropr...	12.333	75	27629	25.855	ug/L #	7
69) 1,3,5-Trichlorobenzene	13.201	180	4152488	900.729	ug/L	97
70) 1,2,4-trichlorobenzene	13.201	180	4152488	1001.022	ug/L	98
72) 1,2,3-Trichlorobenzene	13.680	180	1549772	382.965	ug/L	99

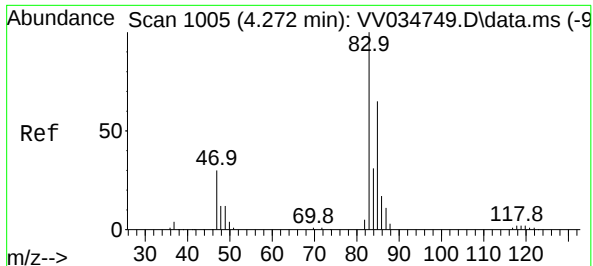
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 21 02:16:15 2024
Response via : Initial Calibration





#25

Chloroform

Concen: 3.996 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Instrument :

MSVOA_V

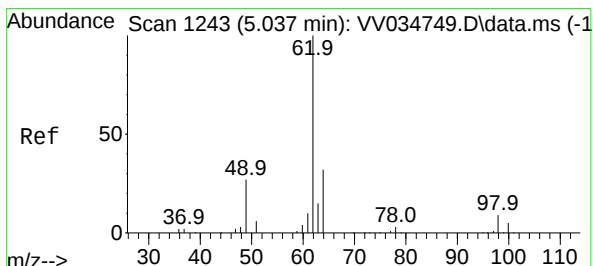
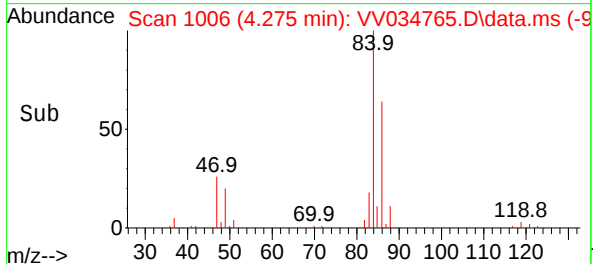
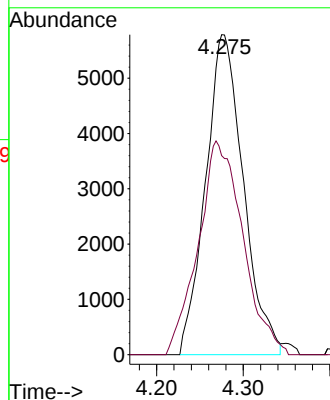
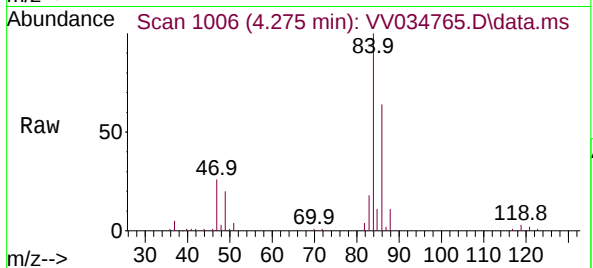
ClientSampleId :

Tgt Ion: 83 Resp: 17547

Ion Ratio Lower Upper

83 100

85 62.2 45.5 84.5



#27

1,2-Dichloroethane

Concen: 3.487 ug/L

RT: 5.005 min Scan# 1233

Delta R.T. -0.032 min

Lab File: VV034765.D

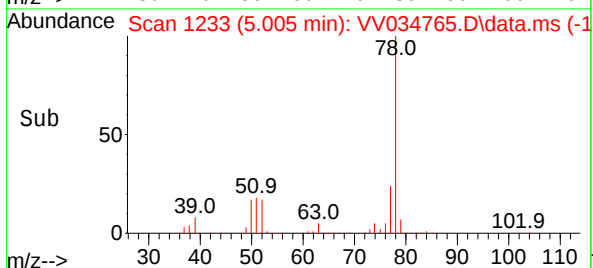
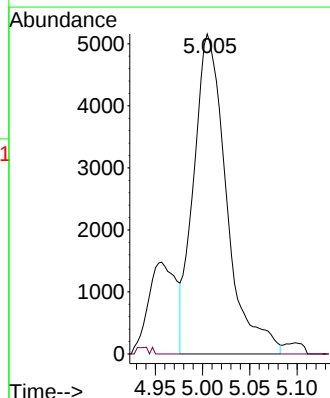
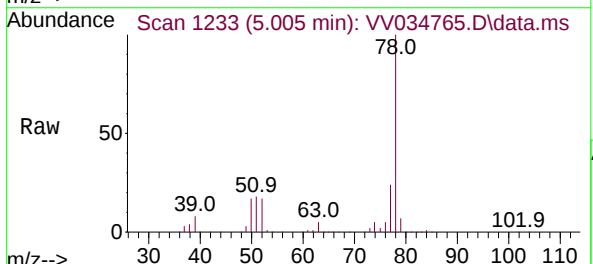
Acq: 20 Mar 2024 15:44

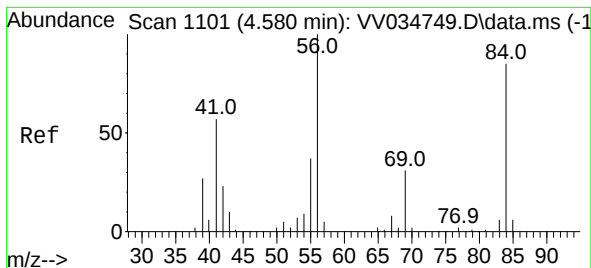
Tgt Ion: 62 Resp: 12441

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#





#29

Cyclohexane

Concen: 1.284 ug/L

RT: 4.587 min Scan# 1101

Delta R.T. 0.007 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Instrument :

MSVOA_V

ClientSampleId :

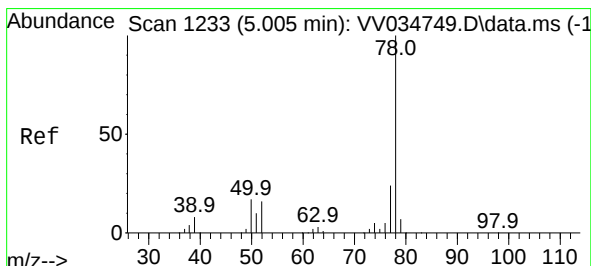
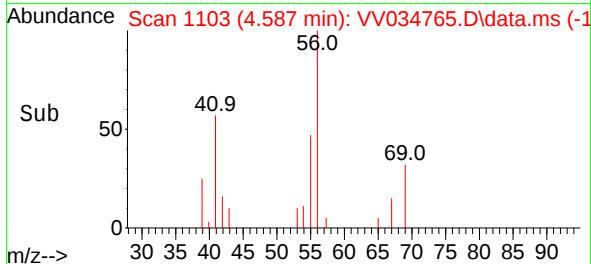
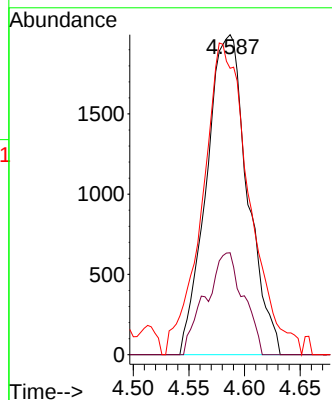
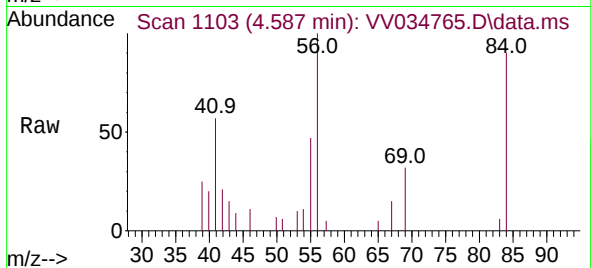
Tgt Ion: 56 Resp: 5120

Ion Ratio Lower Upper

56 100

69 22.4 24.2 36.4#

84 110.8 70.5 105.7#



#33

Benzene

Concen: 130.460 ug/L

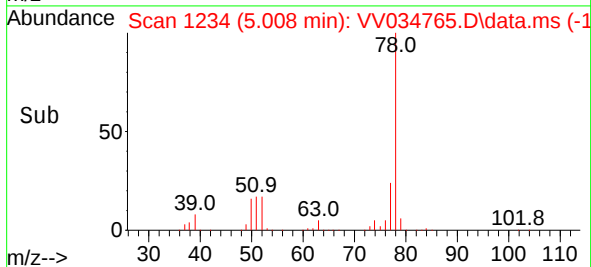
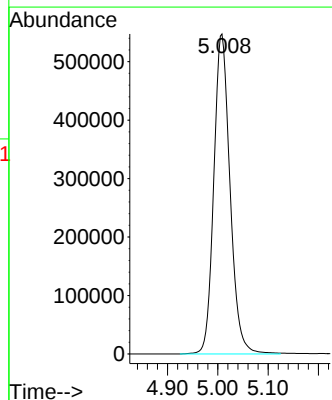
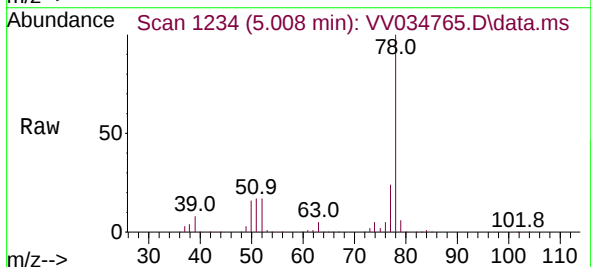
RT: 5.008 min Scan# 1234

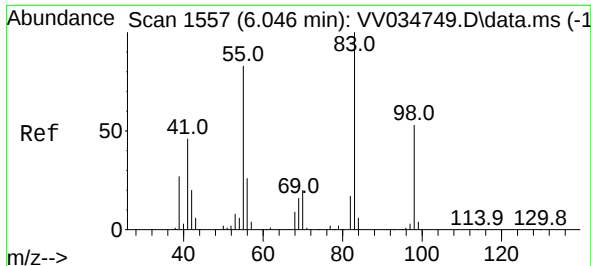
Delta R.T. 0.003 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Tgt Ion: 78 Resp: 1227779





#35

Methylcyclohexane

Concen: 9.198 ug/L

RT: 5.989 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Instrument :

MSVOA_V

ClientSampleId :

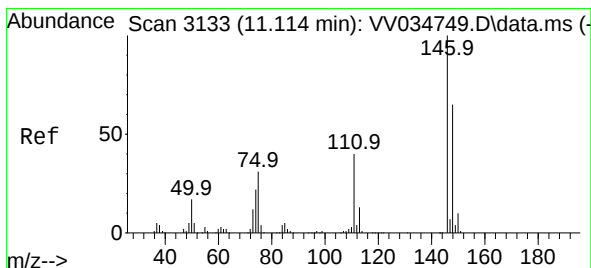
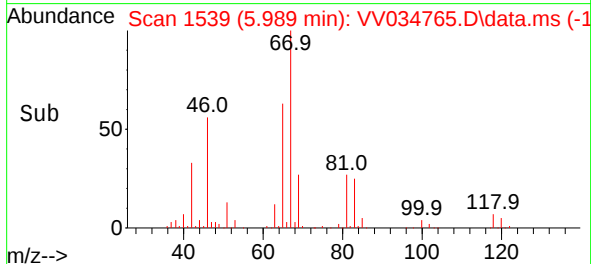
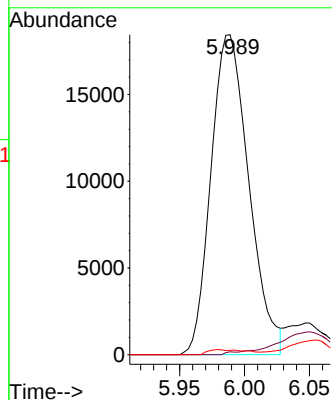
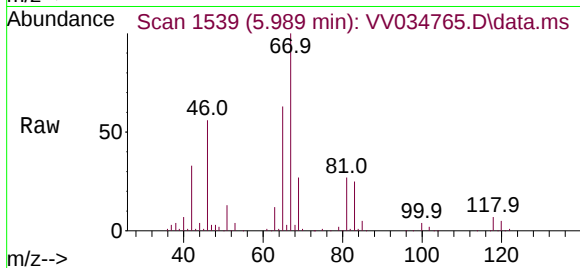
Tgt Ion: 83 Resp: 37408

Ion Ratio Lower Upper

83 100

55 0.3 62.6 94.0#

98 0.7 39.5 59.3#



#64

1,3-Dichlorobenzene

Concen: 2368.036 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.013 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

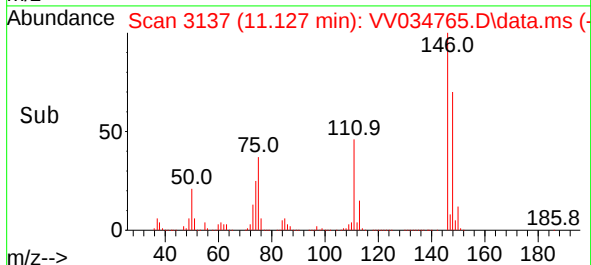
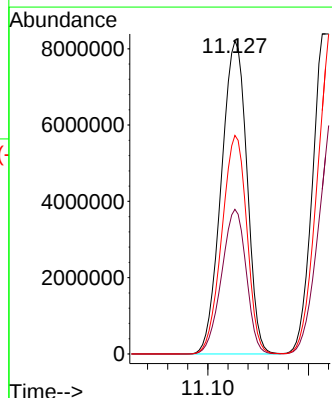
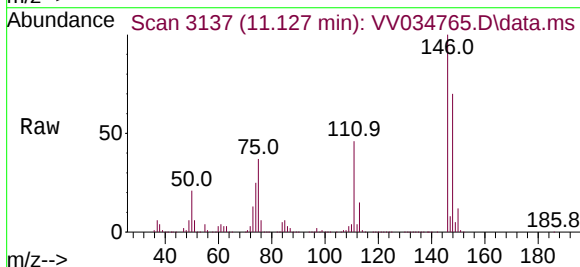
Tgt Ion:146 Resp:14552295

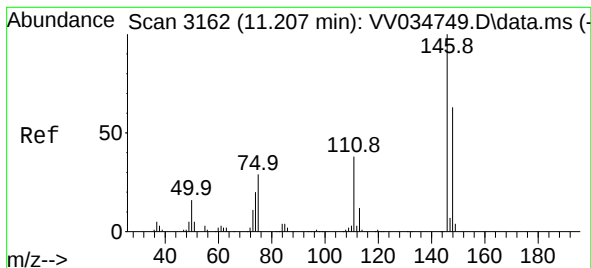
Ion Ratio Lower Upper

146 100

111 46.2 27.9 51.7

148 69.9 44.2 82.0





#65

1,4-Dichlorobenzene

Concen: 2331.873 ug/L

RT: 11.127 min Scan# 3162

Delta R.T. -0.080 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Instrument :

MSVOA_V

ClientSampleId :

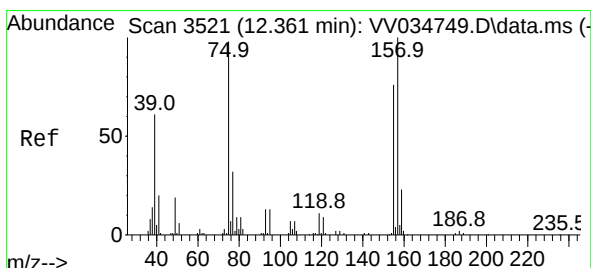
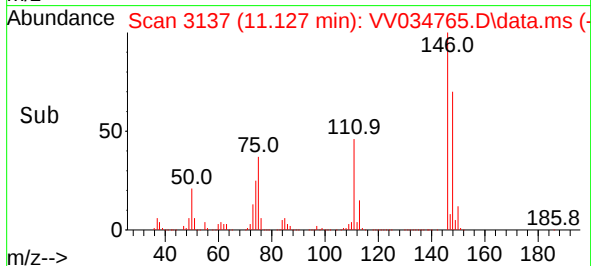
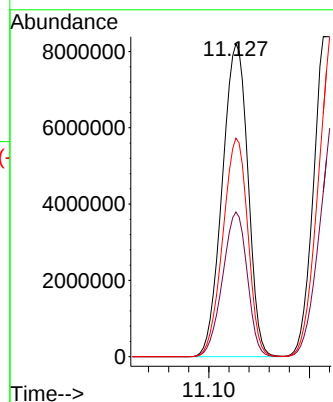
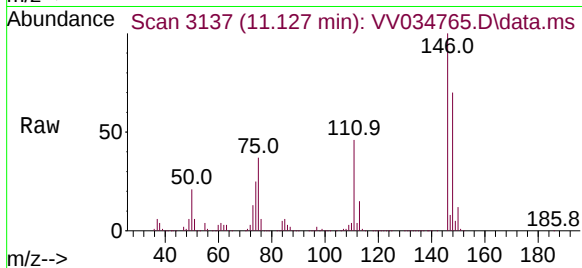
Tgt Ion:146 Resp:14552295

Ion Ratio Lower Upper

146 100

111 46.2 26.5 49.1

148 69.9 44.0 81.8



#68

1,2-Dibromo-3-chloropropane

Concen: 25.855 ug/L

RT: 12.333 min Scan# 3512

Delta R.T. -0.029 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

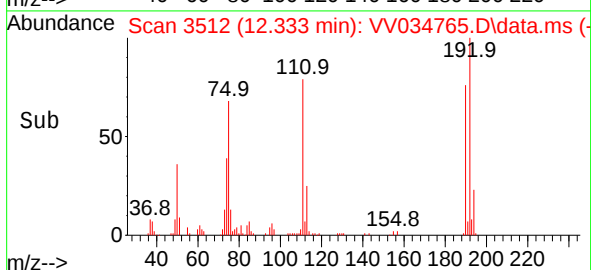
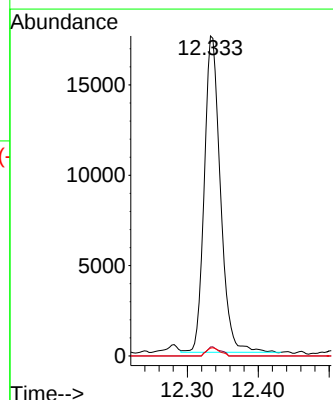
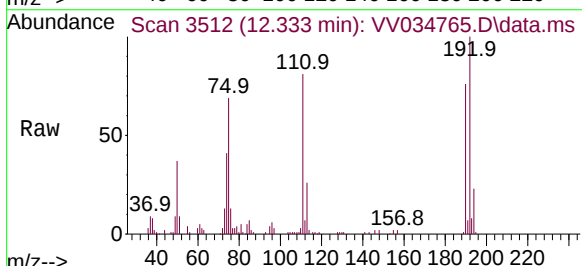
Tgt Ion: 75 Resp: 27629

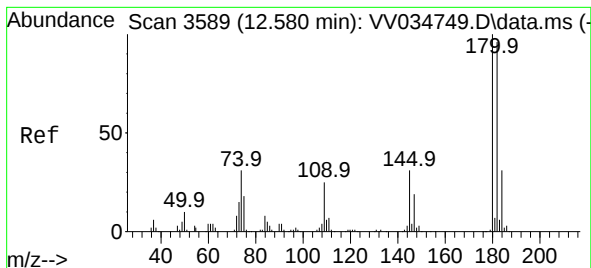
Ion Ratio Lower Upper

75 100

155 2.8 63.3 94.9#

157 2.4 81.4 122.0#





#69

1,3,5-Trichlorobenzene

Concen: 900.729 ug/L

RT: 13.201 min Scan# 31

Delta R.T. 0.621 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 4152488

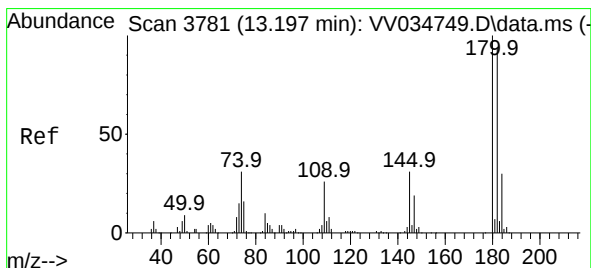
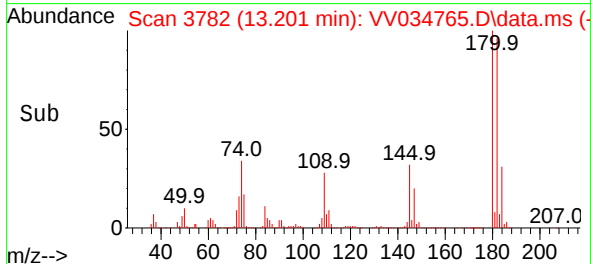
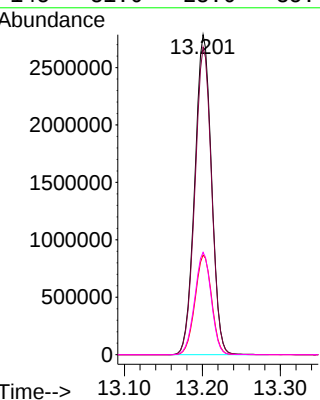
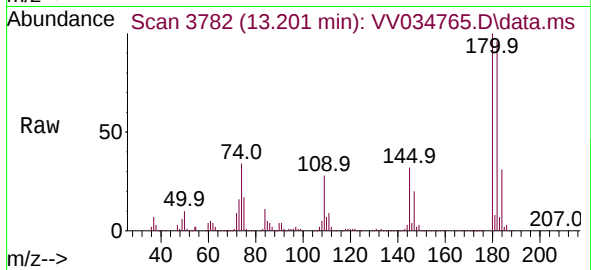
Ion Ratio Lower Upper

180 100

182 95.9 74.6 112.0

184 31.0 23.6 35.4

145 31.6 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 1001.022 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.003 min

Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

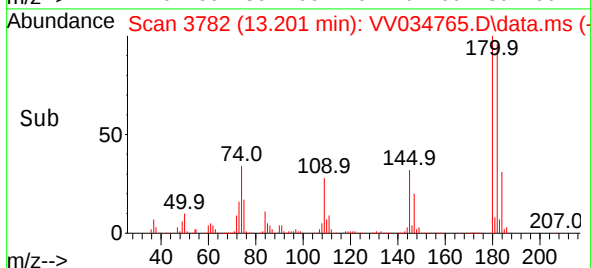
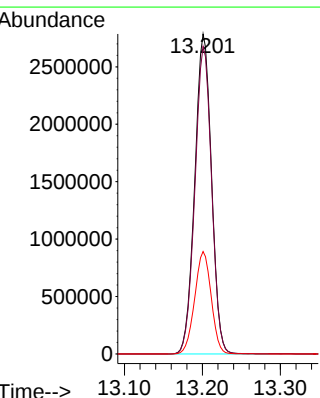
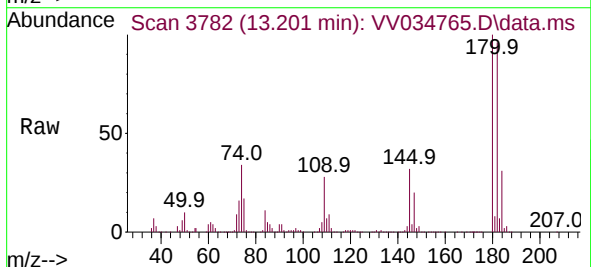
Tgt Ion:180 Resp: 4152488

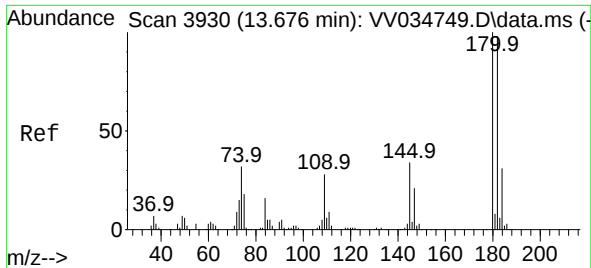
Ion Ratio Lower Upper

180 100

182 95.9 74.8 112.2

145 31.6 24.2 36.4





#72

1,2,3-Trichlorobenzene

Concen: 382.965 ug/L

RT: 13.680 min Scan# 3931

Delta R.T. 0.003 min

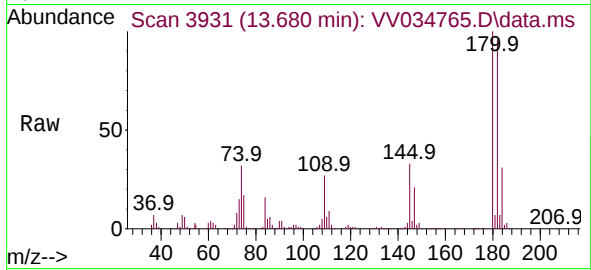
Lab File: VV034765.D

Acq: 20 Mar 2024 15:44

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 1549772

Ion Ratio Lower Upper

180 100

182 96.0 75.9 113.9

145 32.7 25.5 38.3

