

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042224\
 Data File : VV035342.D
 Acq On : 22 Apr 2024 18:44
 Operator : SY/MD
 Sample : P2158-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:33:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 23 00:28:07 2024
 Response via : Initial Calibration

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

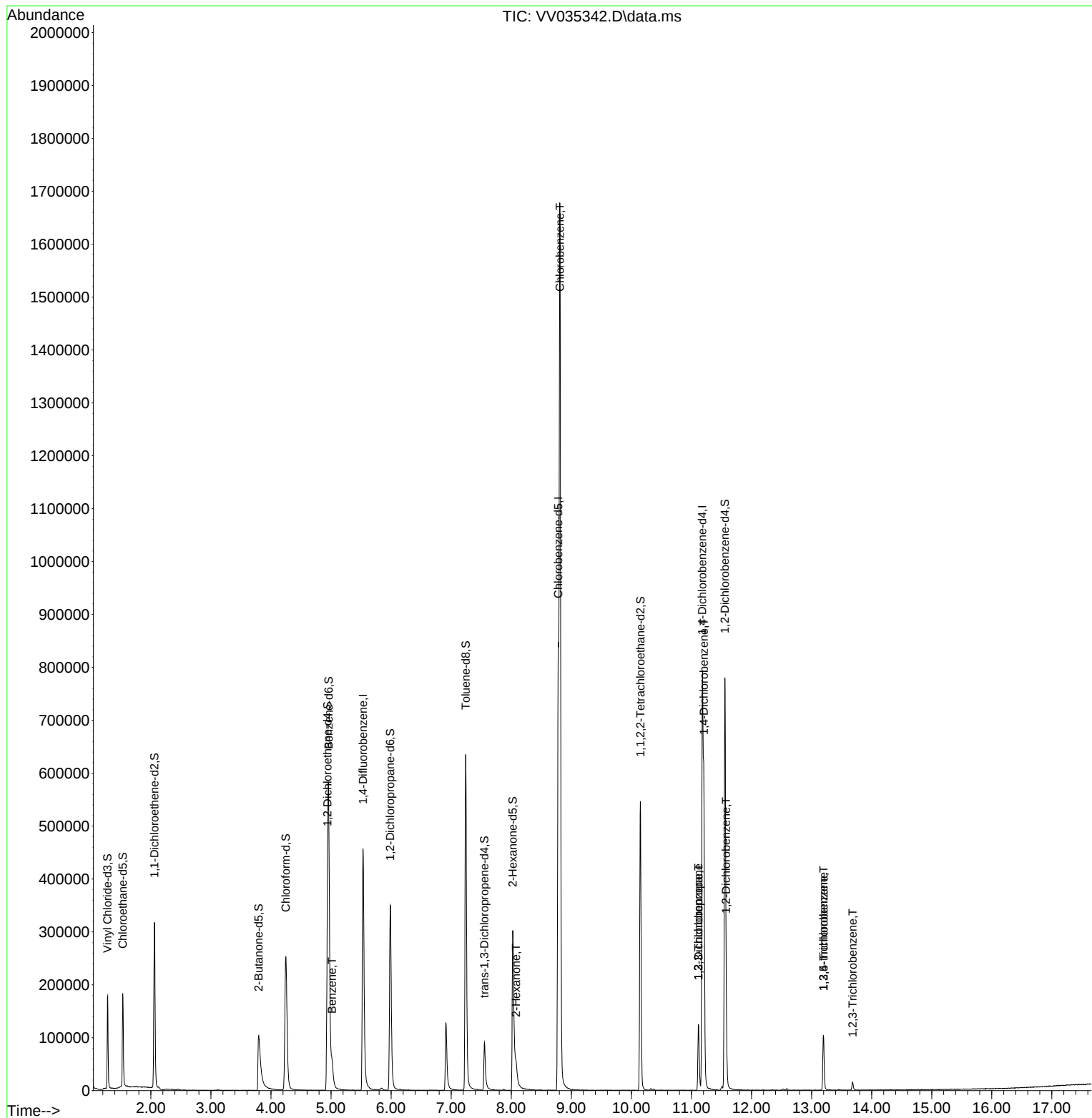
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	414489	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	418697	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	194734	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	115171	28.772	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	57.540%#
7) Chloroethane-d5	1.532	69	113119	32.535	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	65.080%#
11) 1,1-Dichloroethene-d2	2.060	65	54965	31.325	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.640%
21) 2-Butanone-d5	3.796	46	191651	80.727	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.730%
24) Chloroform-d	4.246	84	282489	41.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.940%
26) 1,2-Dichloroethane-d4	4.941	65	178063	41.672	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.340%
32) Benzene-d6	4.960	84	529304	37.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	75.260%
36) 1,2-Dichloropropane-d6	5.986	67	182589	40.883	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.760%
41) Toluene-d8	7.243	98	442197	34.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	69.820%#
43) trans-1,3-Dichloroprop...	7.555	79	58010	26.718	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.440%#
47) 2-Hexanone-d5	8.024	63	102758	60.856	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	60.860%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	269286	43.785	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.580%
66) 1,2-Dichlorobenzene-d4	11.558	152	196366	44.912	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.820%
Target Compounds						Qvalue
33) Benzene	5.015	78	52861	3.872	ug/L	100
48) 2-Hexanone	8.082	43	25783	6.293	ug/L	96
51) Chlorobenzene	8.809	112	900840	97.239	ug/L	99
61) 1,2,3-Trichloropropane	11.117	75	15316	3.630	ug/L #	49
64) 1,3-Dichlorobenzene	11.117	146	53300	8.124	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	222709	33.382	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	48758	7.461	ug/L	98
69) 1,3,5-Trichlorobenzene	13.198	180	34555	7.308	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	34555	7.956	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	5076	1.186	ug/L	94

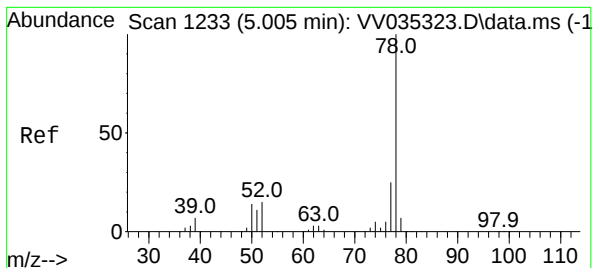
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#33

Benzene

Concen: 3.872 ug/L

RT: 5.015 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV035342.D

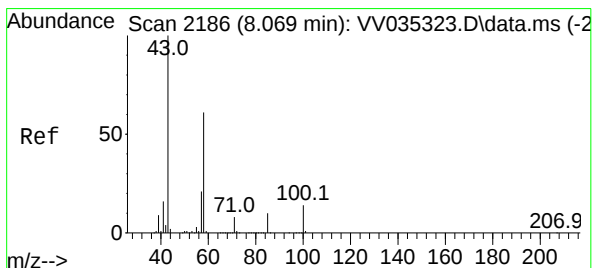
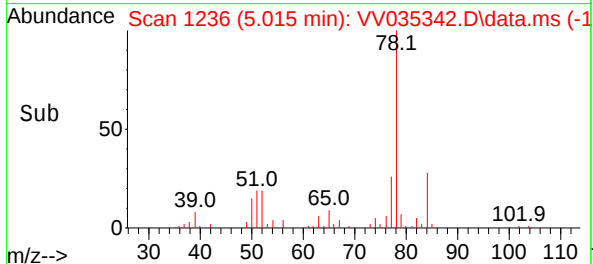
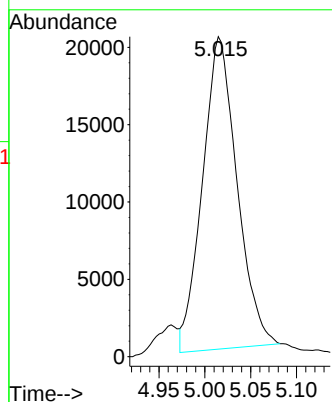
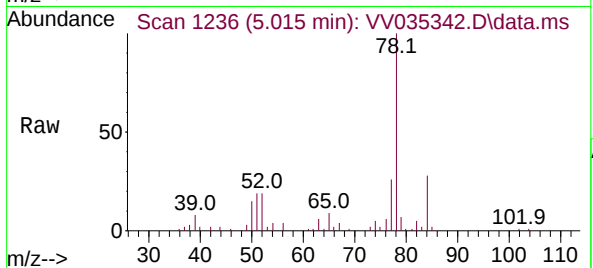
Acq: 22 Apr 2024 18:44

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 52861



#48

2-Hexanone

Concen: 6.293 ug/L

RT: 8.082 min Scan# 2190

Delta R.T. 0.013 min

Lab File: VV035342.D

Acq: 22 Apr 2024 18:44

Tgt Ion: 43 Resp: 25783

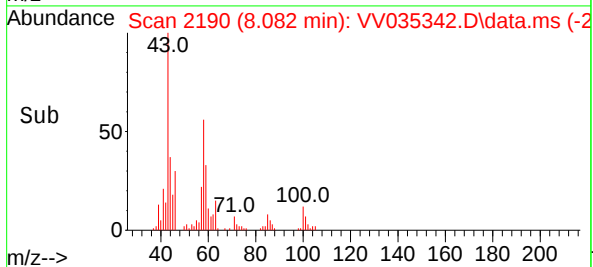
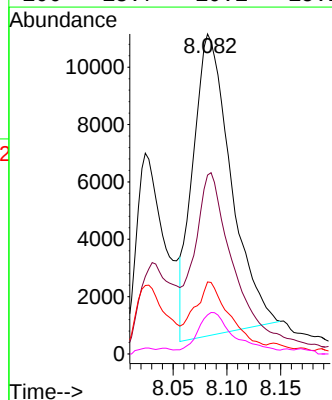
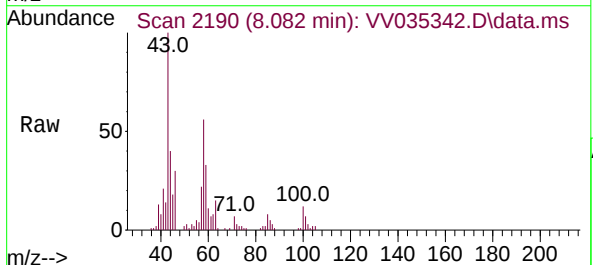
Ion Ratio Lower Upper

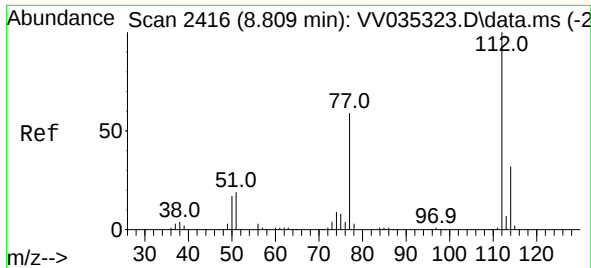
43 100

58 59.2 45.4 68.2

57 23.3 16.2 24.4

100 13.7 10.1 15.1





#51

Chlorobenzene

Concen: 97.239 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. -0.000 min

Lab File: VV035342.D

Acq: 22 Apr 2024 18:44

Instrument :

MSVOA_V

ClientSampleId :

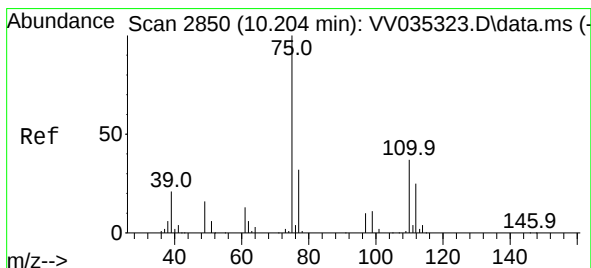
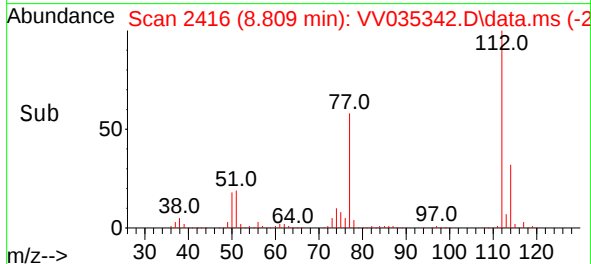
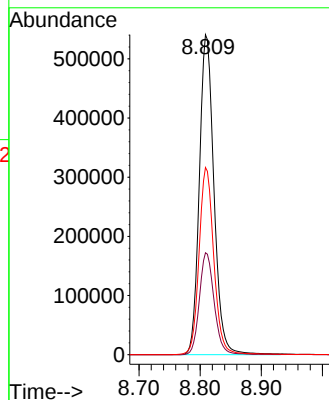
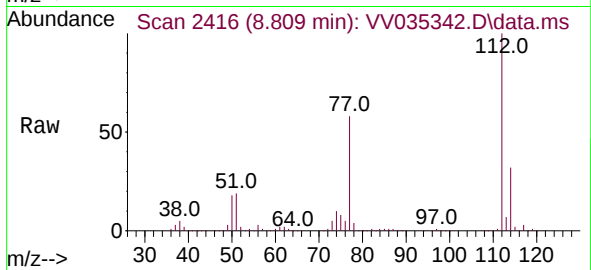
Tgt Ion:112 Resp: 900840

Ion Ratio Lower Upper

112 100

114 31.9 22.0 41.0

77 58.5 47.4 71.2



#61

1,2,3-Trichloropropane

Concen: 3.630 ug/L

RT: 11.117 min Scan# 3134

Delta R.T. 0.913 min

Lab File: VV035342.D

Acq: 22 Apr 2024 18:44

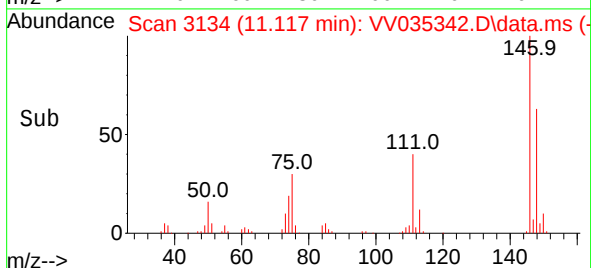
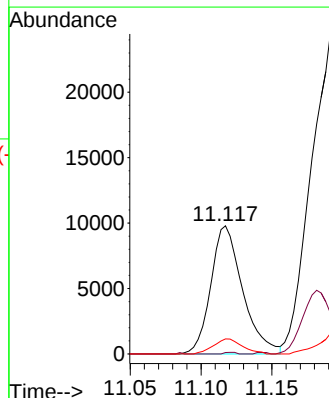
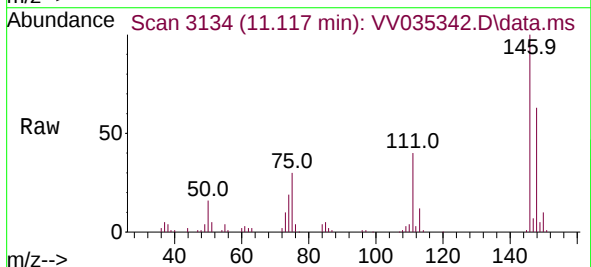
Tgt Ion: 75 Resp: 15316

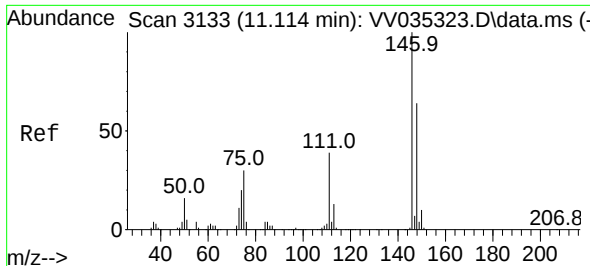
Ion Ratio Lower Upper

75 100

77 0.4 26.0 39.0#

110 10.6 30.5 45.7#

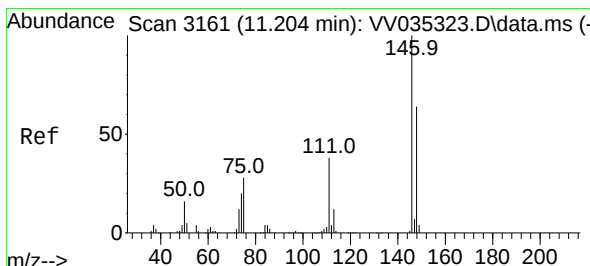
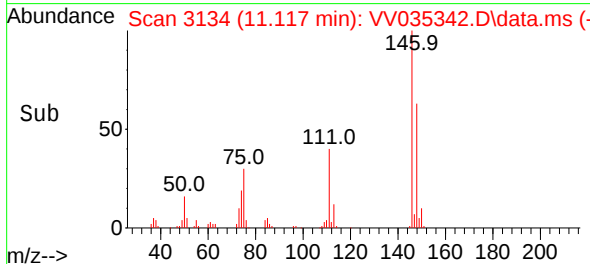
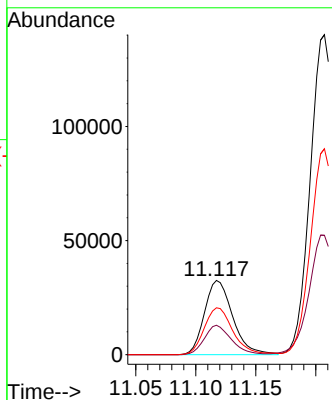
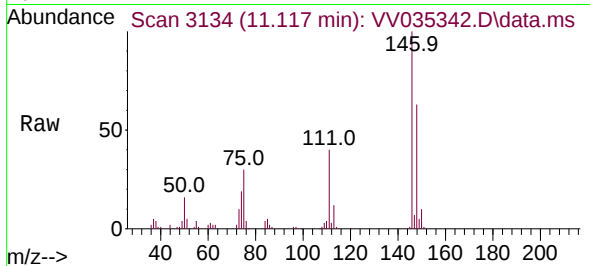




#64
1,3-Dichlorobenzene
Concen: 8.124 ug/L
RT: 11.117 min Scan# 3133
Delta R.T. 0.003 min
Lab File: VV035342.D
Acq: 22 Apr 2024 18:44

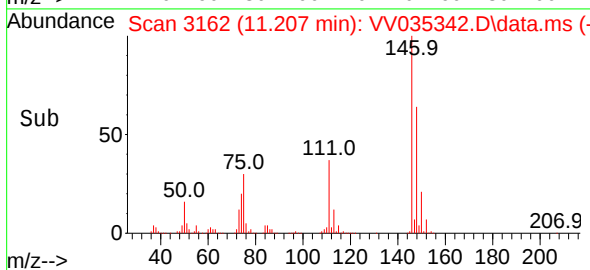
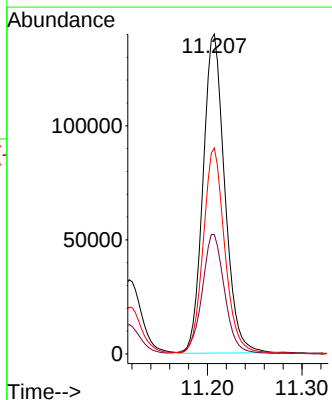
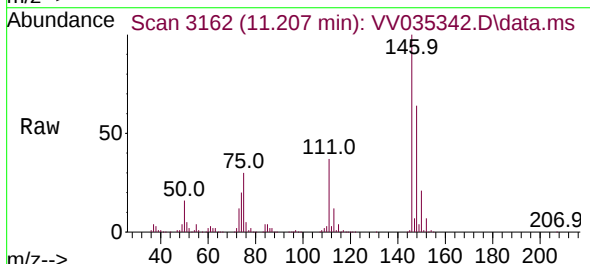
Instrument :
MSVOA_V
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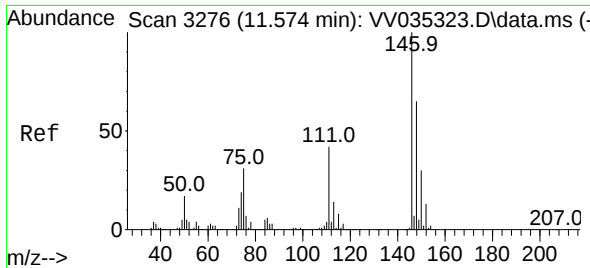
Tgt Ion:146 Resp: 53300
Ion Ratio Lower Upper
146 100
111 39.7 28.7 53.3
148 63.2 44.0 81.8



#65
1,4-Dichlorobenzene
Concen: 33.382 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV035342.D
Acq: 22 Apr 2024 18:44

Tgt Ion:146 Resp: 222709
Ion Ratio Lower Upper
146 100
111 37.3 27.4 50.8
148 64.4 44.2 82.2

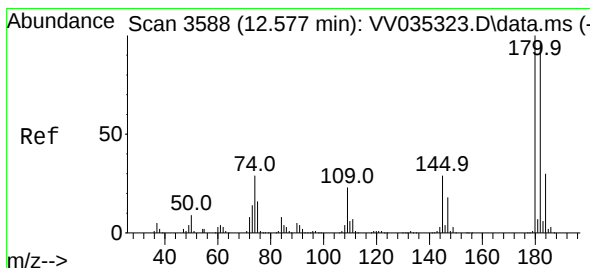
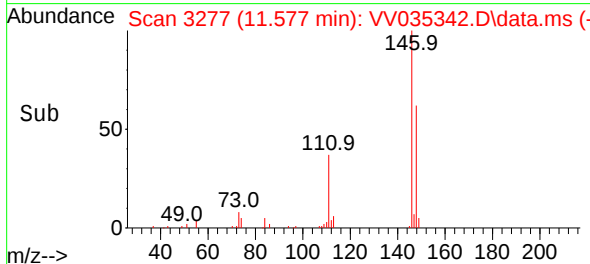
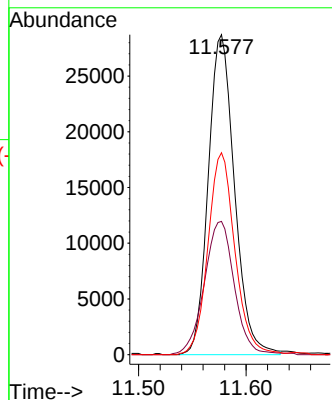
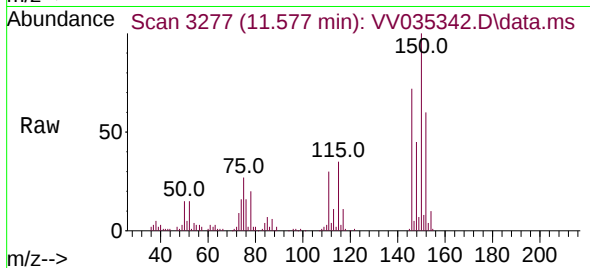




#67
1,2-Dichlorobenzene
Concen: 7.461 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035342.D
Acq: 22 Apr 2024 18:44

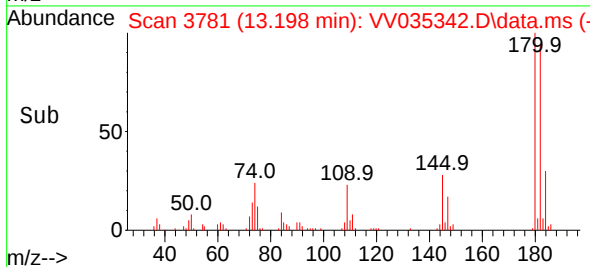
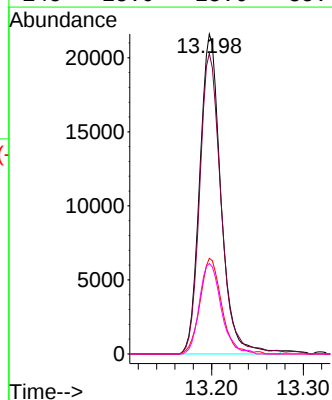
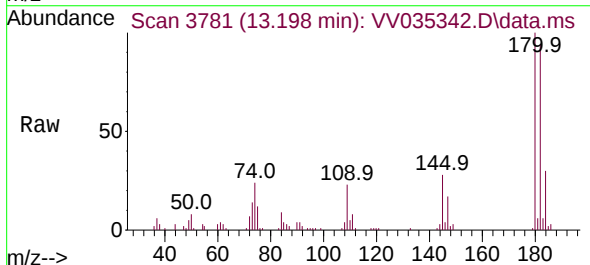
Instrument :
MSVOA_V
ClientSampleId :

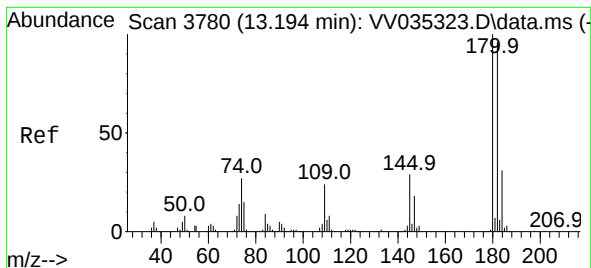
Tgt Ion:146 Resp: 48758
Ion Ratio Lower Upper
146 100
111 41.7 34.6 52.0
148 63.1 51.5 77.3



#69
1,3,5-Trichlorobenzene
Concen: 7.308 ug/L
RT: 13.198 min Scan# 3781
Delta R.T. 0.621 min
Lab File: VV035342.D
Acq: 22 Apr 2024 18:44

Tgt Ion:180 Resp: 34555
Ion Ratio Lower Upper
180 100
182 94.7 74.7 112.1
184 30.5 24.0 36.0
145 28.9 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 7.956 ug/L

RT: 13.198 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035342.D

Acq: 22 Apr 2024 18:44

Instrument :

MSVOA_V

ClientSampleId :

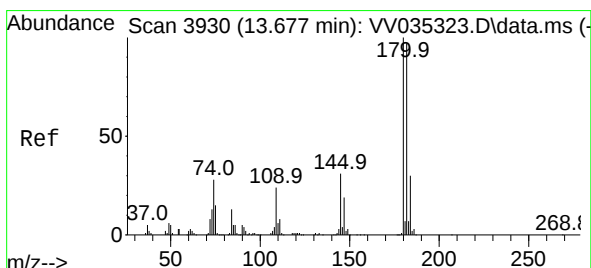
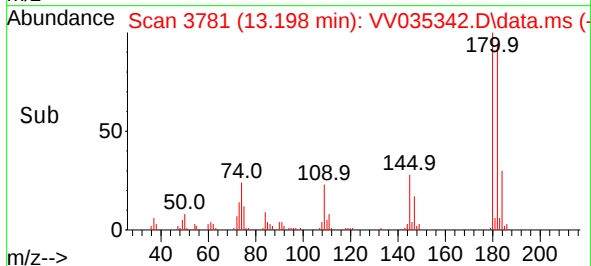
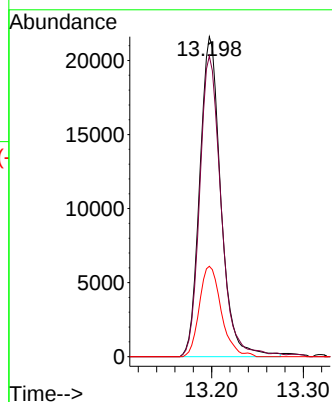
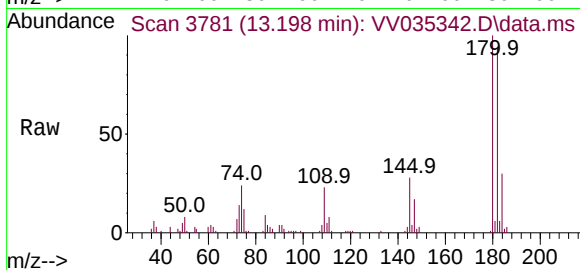
Tgt Ion:180 Resp: 34555

Ion Ratio Lower Upper

180 100

182 94.7 75.6 113.4

145 28.9 24.1 36.1



#72

1,2,3-Trichlorobenzene

Concen: 1.186 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

Lab File: VV035342.D

Acq: 22 Apr 2024 18:44

Tgt Ion:180 Resp: 5076

Ion Ratio Lower Upper

180 100

182 102.2 76.2 114.2

145 32.5 25.8 38.6

