

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042224\
 Data File : VV035334.D
 Acq On : 22 Apr 2024 15:39
 Operator : SY/MD
 Sample : P2158-04DL 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:31:29 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)

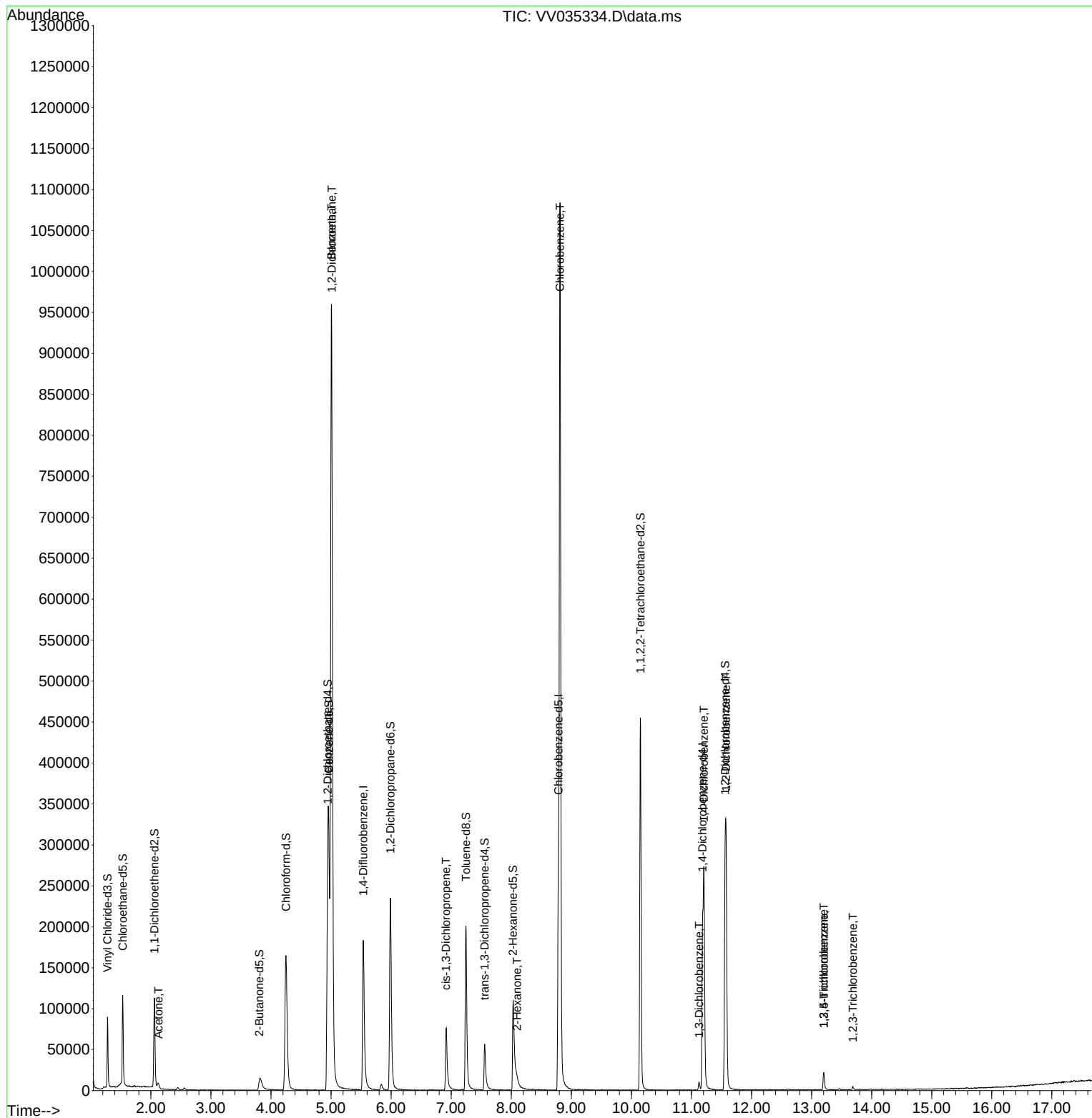
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	164594	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	137462	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	49534	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	54578	34.335	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.680%
7) Chloroethane-d5	1.532	69	69044	50.008	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.020%
11) 1,1-Dichloroethene-d2	2.060	65	18519	26.578	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.160%#
21) 2-Butanone-d5	3.805	46	72	0.076	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.080%#
24) Chloroform-d	4.249	84	184698	69.108	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	138.220%#
26) 1,2-Dichloroethane-d4	4.944	65	144170	84.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	169.940%#
32) Benzene-d6	4.960	84	266979	57.820	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.640%
36) 1,2-Dichloropropane-d6	5.989	67	122236	83.366	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	166.740%#
41) Toluene-d8	7.246	98	142847	34.352	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	68.700%#
43) trans-1,3-Dichloroprop...	7.558	79	38180	53.562	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.120%
47) 2-Hexanone-d5	8.030	63	37688	67.984	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	222633	110.261	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	220.520%#
66) 1,2-Dichlorobenzene-d4	11.561	152	64001	57.547	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.100%
Target Compounds						
					Qvalue	
13) Acetone	2.127	43	6647	7.680	ug/L	99
27) 1,2-Dichloroethane	5.011	62	7744	4.017	ug/L #	75
33) Benzene	5.008	78	1014028	226.222	ug/L	100
39) cis-1,3-Dichloropropene	6.911	75	2135	1.094	ug/L	93
48) 2-Hexanone	8.095	43	8870	6.594	ug/L #	61
51) Chlorobenzene	8.812	112	587683	193.221	ug/L	98
64) 1,3-Dichlorobenzene	11.130	146	4669	2.798	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	109190	64.341	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	105535	63.483	ug/L	97
69) 1,3,5-Trichlorobenzene	13.204	180	8097	6.732	ug/L	95
70) 1,2,4-trichlorobenzene	13.204	180	8097	7.329	ug/L	93
72) 1,2,3-Trichlorobenzene	13.686	180	1520	1.396	ug/L #	91

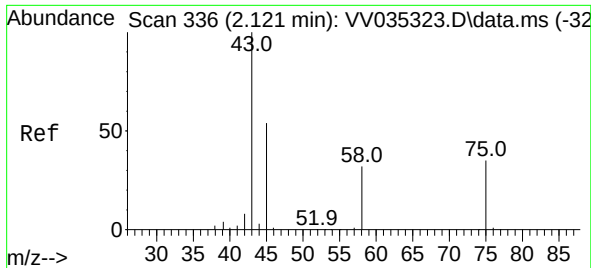
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.680 ug/L

RT: 2.127 min Scan# 336

Delta R.T. 0.006 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Instrument :

MSVOA_V

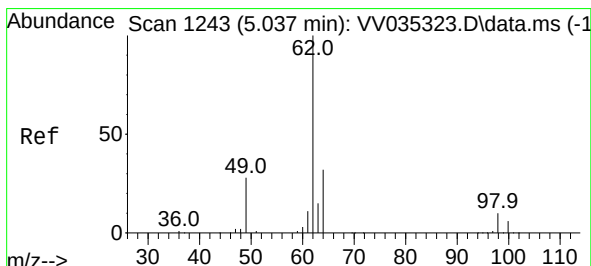
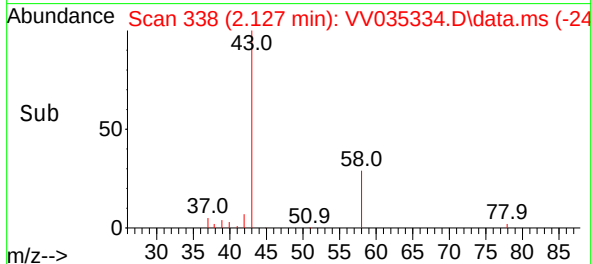
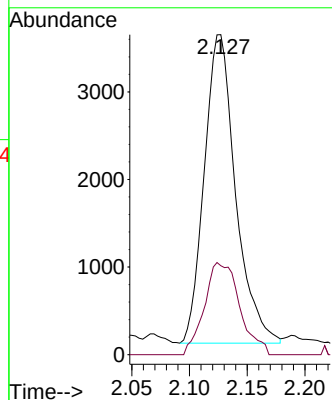
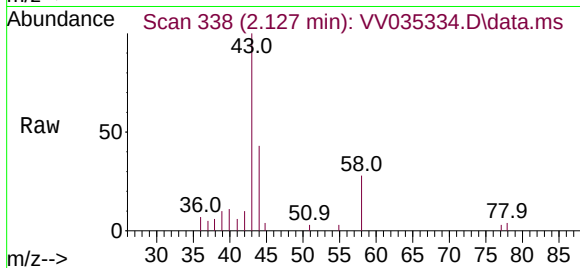
ClientSampleId :

Tgt Ion: 43 Resp: 6647

Ion Ratio Lower Upper

43 100

58 33.6 0.0 66.0



#27

1,2-Dichloroethane

Concen: 4.017 ug/L

RT: 5.011 min Scan# 1235

Delta R.T. -0.026 min

Lab File: VV035334.D

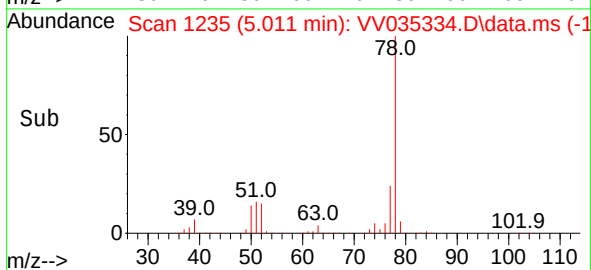
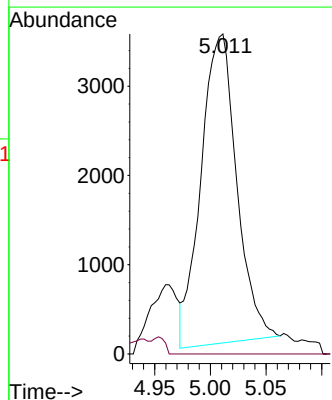
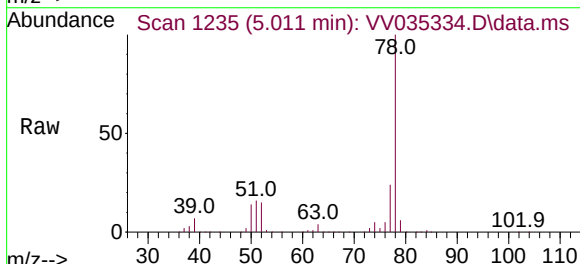
Acq: 22 Apr 2024 15:39

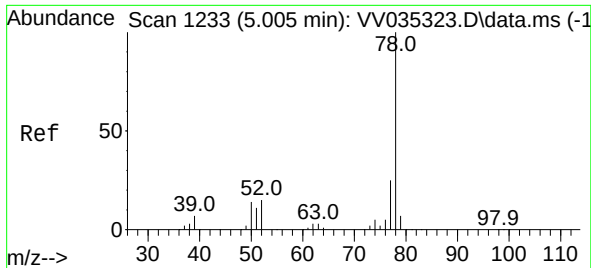
Tgt Ion: 62 Resp: 7744

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

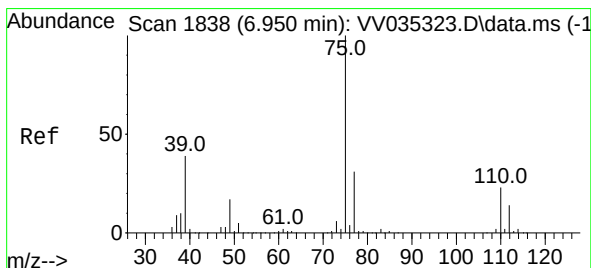
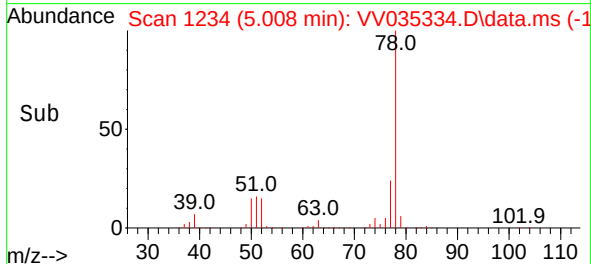
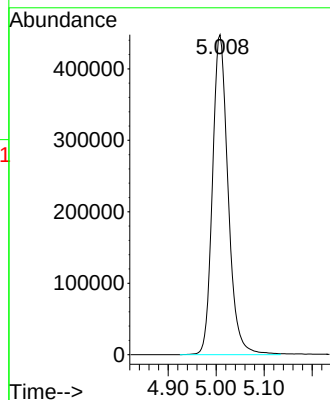
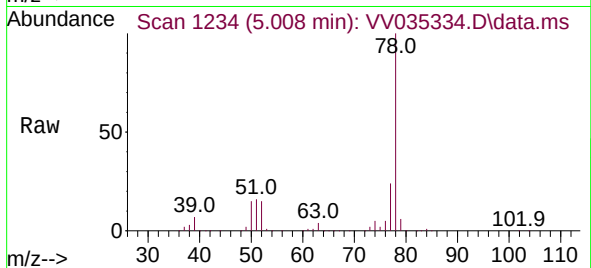




#33
Benzene
Concen: 226.222 ug/L
RT: 5.008 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV035334.D
Acq: 22 Apr 2024 15:39

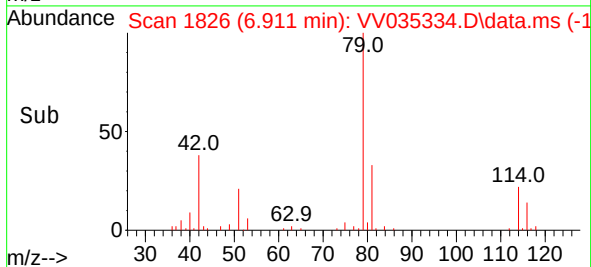
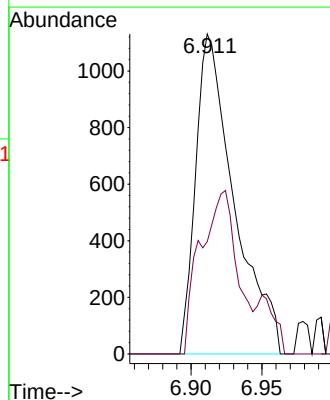
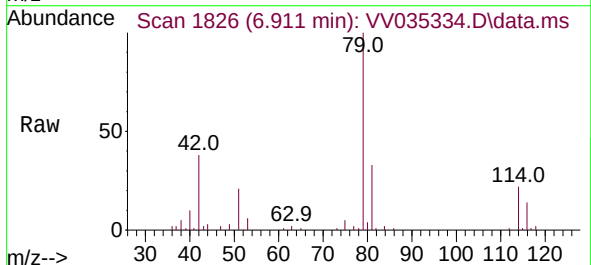
Instrument :
MSVOA_V
ClientSampleId :

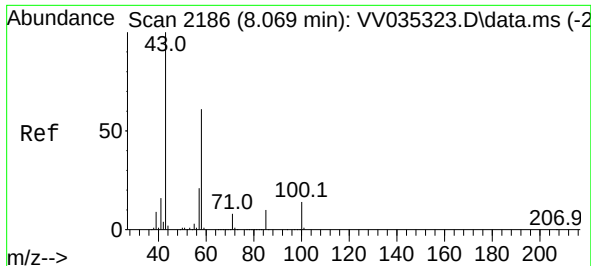
Tgt Ion: 78 Resp: 1014028



#39
cis-1,3-Dichloropropene
Concen: 1.094 ug/L
RT: 6.911 min Scan# 1826
Delta R.T. -0.039 min
Lab File: VV035334.D
Acq: 22 Apr 2024 15:39

Tgt Ion: 75 Resp: 2135
Ion Ratio Lower Upper
75 100
77 35.1 21.9 40.7





#48

2-Hexanone

Concen: 6.594 ug/L

RT: 8.095 min Scan# 2186

Delta R.T. 0.026 min

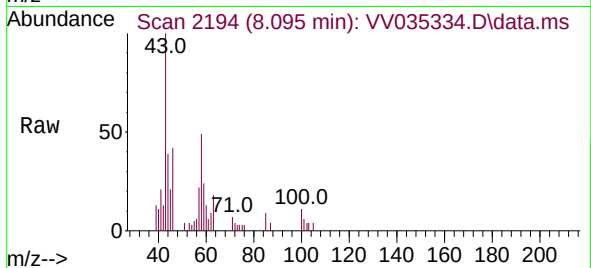
Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 43 Resp: 8870

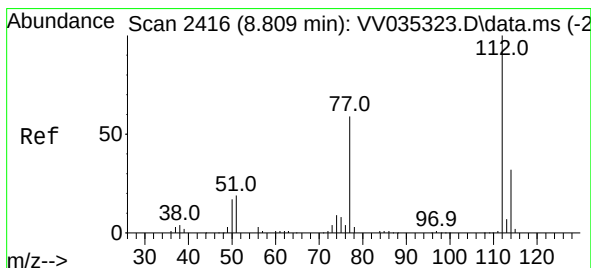
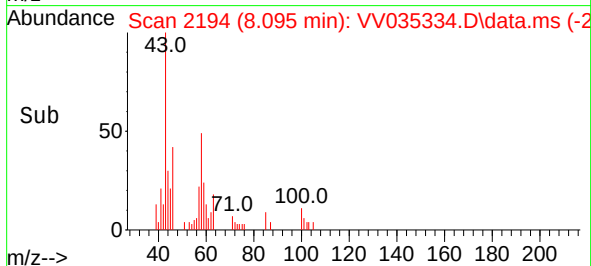
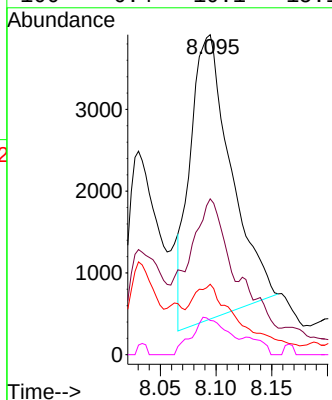
Ion Ratio Lower Upper

43 100

58 23.8 45.4 68.2#

57 4.1 16.2 24.4#

100 6.4 10.1 15.1#



#51

Chlorobenzene

Concen: 193.221 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.003 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

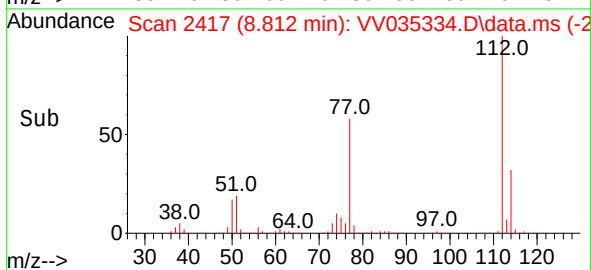
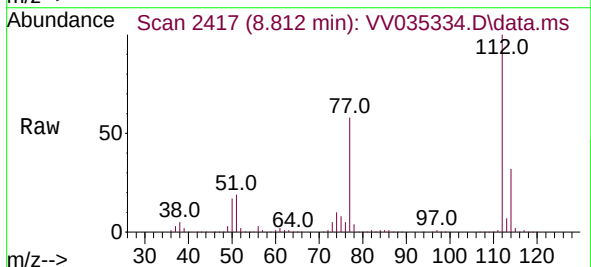
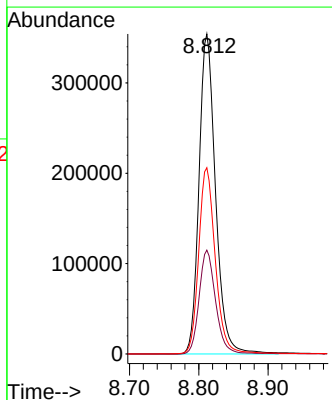
Tgt Ion: 112 Resp: 587683

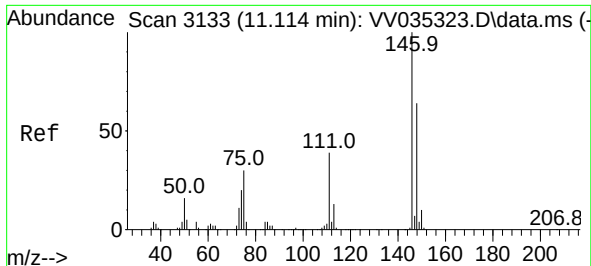
Ion Ratio Lower Upper

112 100

114 32.4 22.0 41.0

77 58.2 47.4 71.2





#64

1,3-Dichlorobenzene

Concen: 2.798 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.016 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Instrument :

MSVOA_V

ClientSampleId :

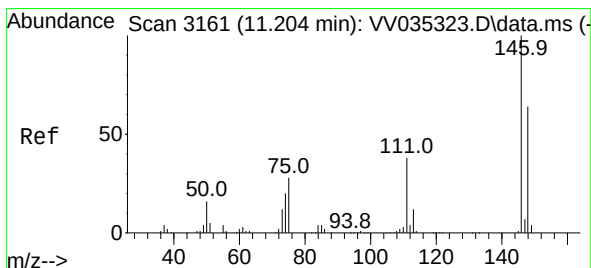
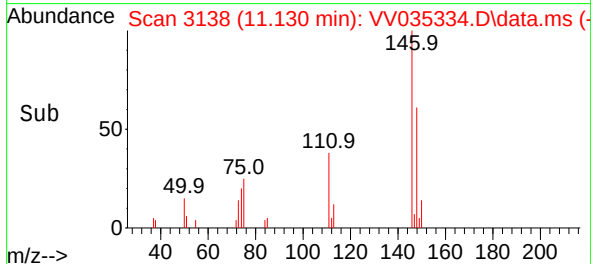
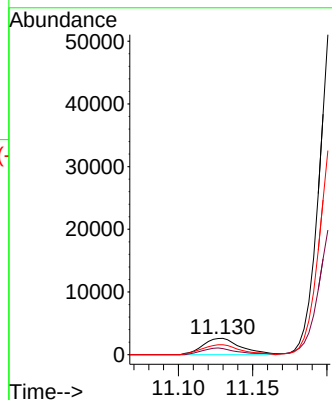
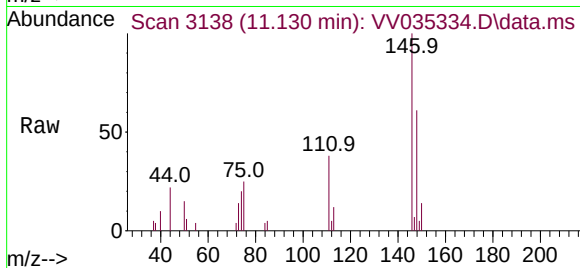
Tgt Ion:146 Resp: 4669

Ion Ratio Lower Upper

146 100

111 37.5 28.7 53.3

148 60.7 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 64.341 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.003 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

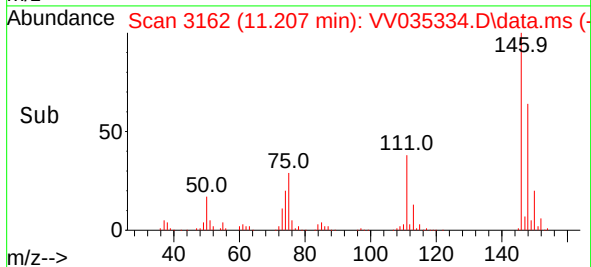
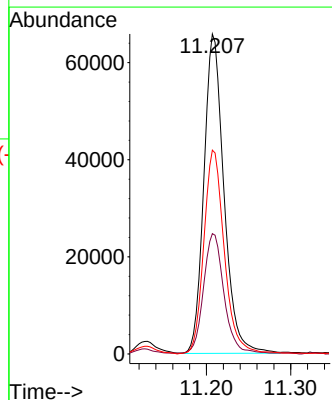
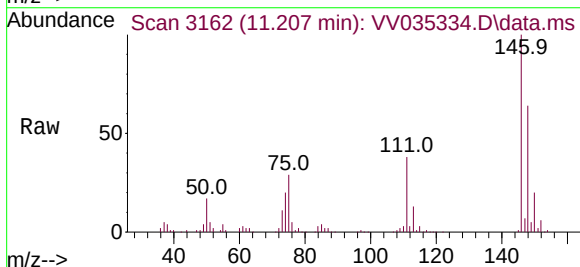
Tgt Ion:146 Resp: 109190

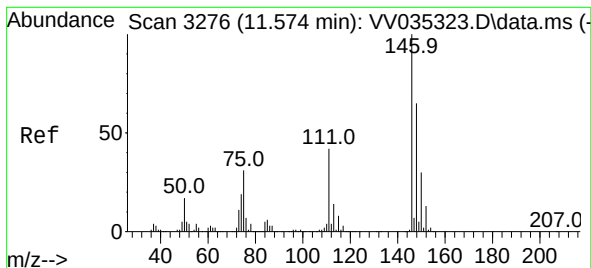
Ion Ratio Lower Upper

146 100

111 37.6 27.4 50.8

148 63.7 44.2 82.2





#67

1,2-Dichlorobenzene

Concen: 63.483 ug/L

RT: 11.577 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Instrument :

MSVOA_V

ClientSampleId :

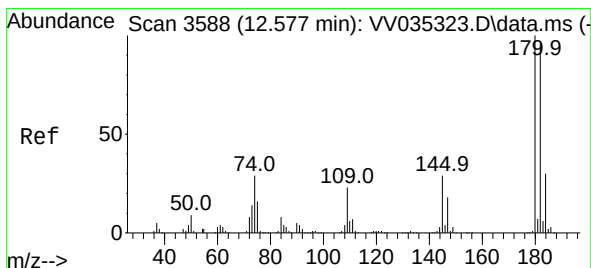
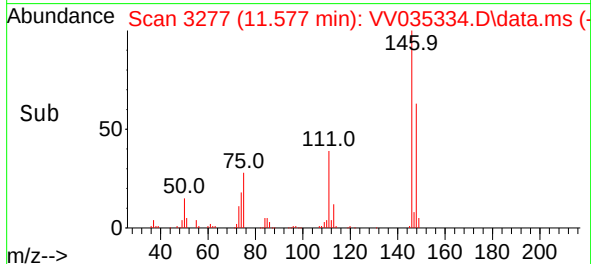
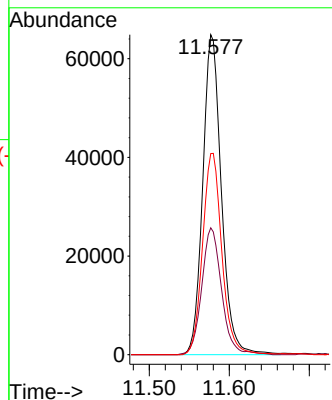
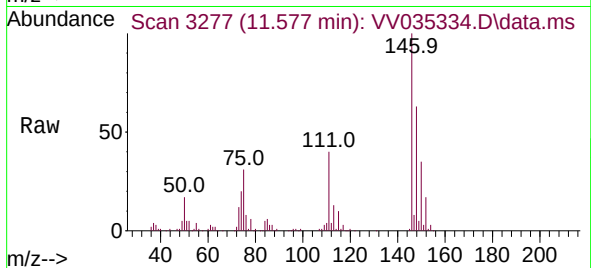
Tgt Ion:146 Resp: 105535

Ion Ratio Lower Upper

146 100

111 39.7 34.6 52.0

148 62.9 51.5 77.3



#69

1,3,5-Trichlorobenzene

Concen: 6.732 ug/L

RT: 13.204 min Scan# 3783

Delta R.T. 0.627 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Tgt Ion:180 Resp: 8097

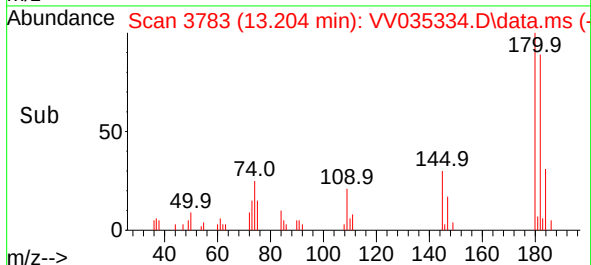
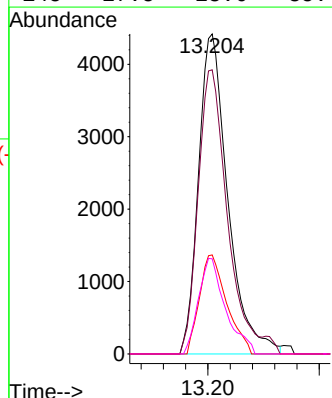
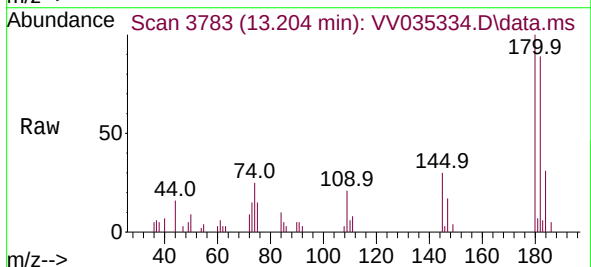
Ion Ratio Lower Upper

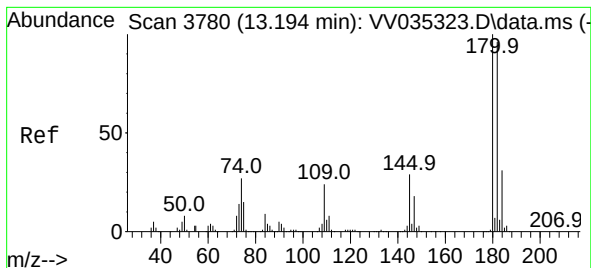
180 100

182 87.7 74.7 112.1

184 28.7 24.0 36.0

145 27.5 23.6 35.4





#70

1,2,4-trichlorobenzene

Concen: 7.329 ug/L

RT: 13.204 min Scan# 31

Delta R.T. 0.009 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Instrument :

MSVOA_V

ClientSampleId :

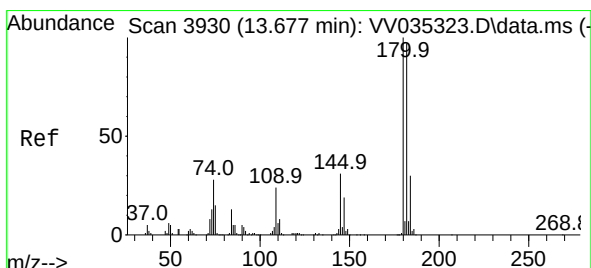
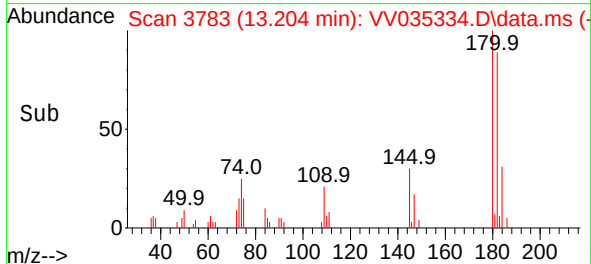
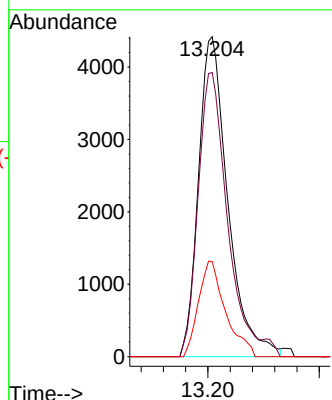
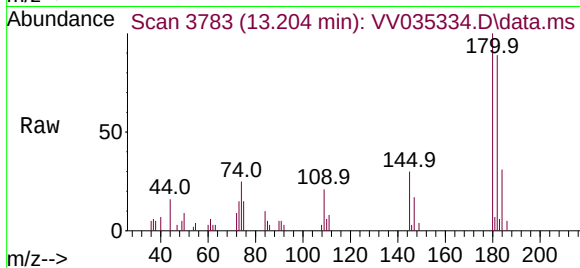
Tgt Ion:180 Resp: 8097

Ion Ratio Lower Upper

180 100

182 87.7 75.6 113.4

145 27.5 24.1 36.1



#72

1,2,3-Trichlorobenzene

Concen: 1.396 ug/L

RT: 13.686 min Scan# 3933

Delta R.T. 0.009 min

Lab File: VV035334.D

Acq: 22 Apr 2024 15:39

Tgt Ion:180 Resp: 1520

Ion Ratio Lower Upper

180 100

182 89.3 76.2 114.2

145 23.3 25.8 38.6#

