

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042224\
 Data File : VV035333.D
 Acq On : 22 Apr 2024 15:16
 Operator : SY/MD
 Sample : P2182-02 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:31:12 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)

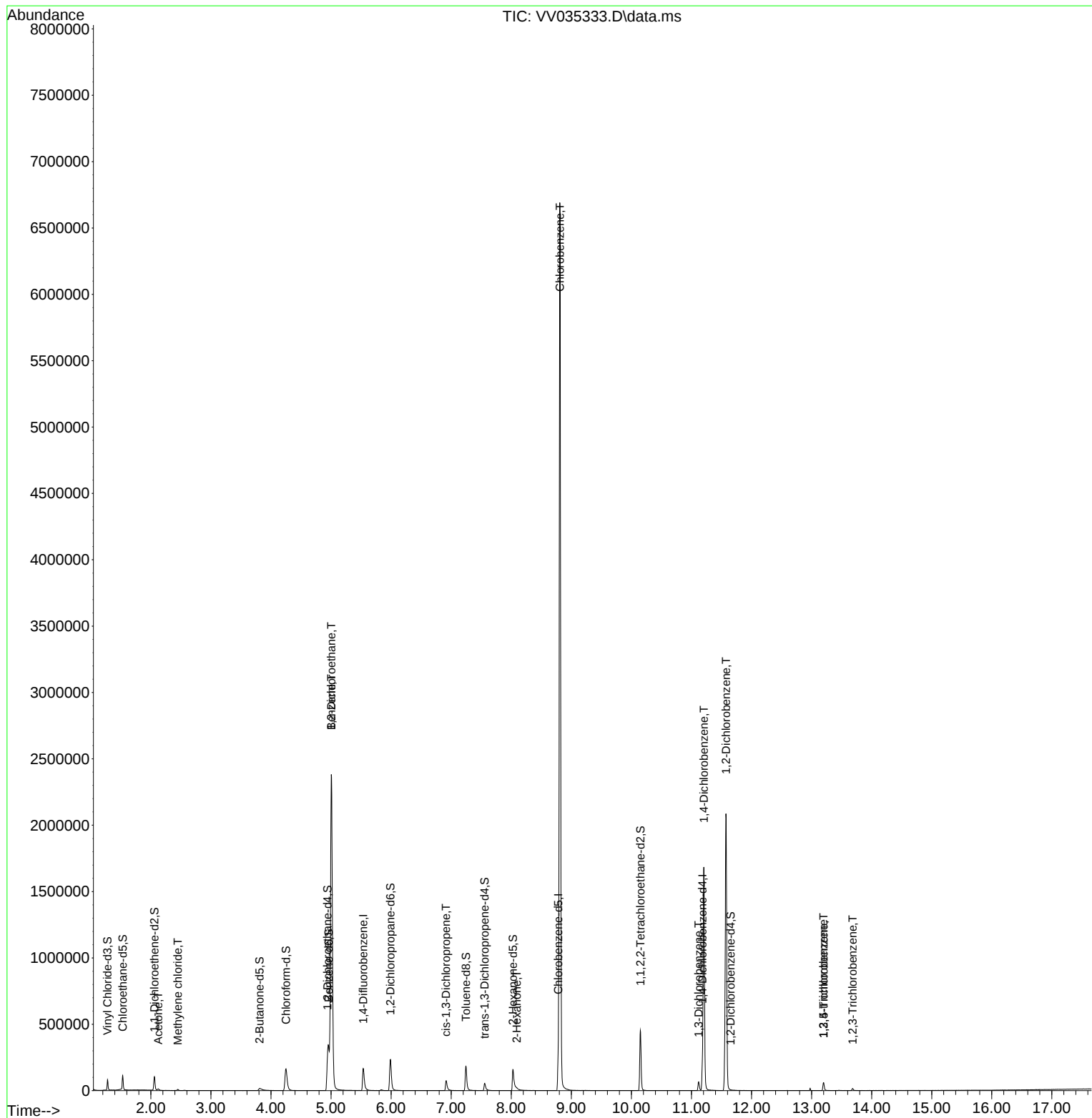
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	154505	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	127245	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	47159	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	50937	34.137	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	68.280%		
7) Chloroethane-d5	1.532	69	68553	52.895	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	105.780%		
11) 1,1-Dichloroethene-d2	2.060	65	17354	26.532	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.060%#		
21) 2-Butanone-d5	3.809	46	224	0.253	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery =	0.250%#		
24) Chloroform-d	4.249	84	181029	72.159	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	144.320%#		
26) 1,2-Dichloroethane-d4	4.941	65	147311	92.486	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	184.980%#		
32) Benzene-d6	4.960	84	258736	60.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	121.060%		
36) 1,2-Dichloropropane-d6	5.989	67	120933	89.100	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	178.200%#		
41) Toluene-d8	7.246	98	131539	34.172	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	68.340%#		
43) trans-1,3-Dichloroprop...	7.558	79	36990	56.060	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	112.120%		
47) 2-Hexanone-d5	8.027	63	53947	105.127	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.130%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	224547	120.138	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	240.280%#		
66) 1,2-Dichlorobenzene-d4	11.654	152	150	0.142	ug/L	0.10
Spiked Amount 50.000	Range 80 - 120		Recovery =	0.280%#		
Target Compounds						Qvalue
13) Acetone	2.124	43	9016	11.097	ug/L	92
16) Methylene chloride	2.449	84	3639	2.896	ug/L	87
27) 1,2-Dichloroethane	5.005	62	20948	11.575	ug/L #	75
33) Benzene	5.005	78	2466726	594.495	ug/L	100
39) cis-1,3-Dichloropropene	6.915	75	2023	1.120	ug/L #	71
48) 2-Hexanone	8.092	43	9904	7.954	ug/L #	85
51) Chlorobenzene	8.809	112	3430270	1218.375	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	27915	17.570	ug/L	95
65) 1,4-Dichlorobenzene	11.207	146	670022	414.701	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	817109	516.273	ug/L	99
69) 1,3,5-Trichlorobenzene	13.201	180	20013	17.478	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	20013	19.027	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	5206	5.021	ug/L	100

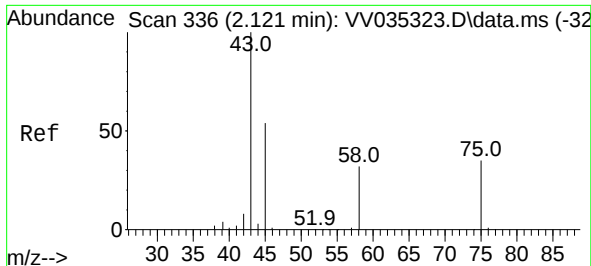
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 11.097 ug/L

RT: 2.124 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

Instrument :

MSVOA_V

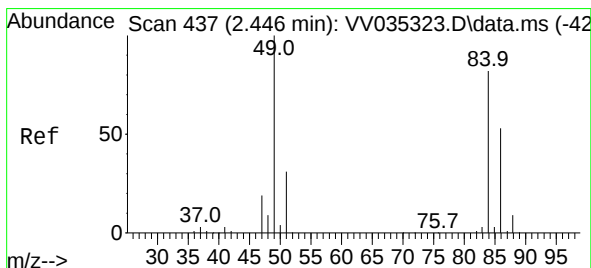
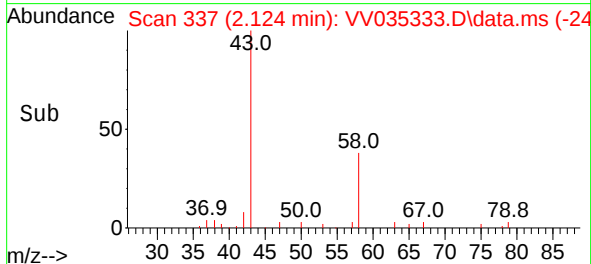
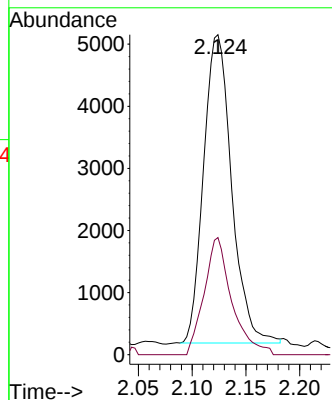
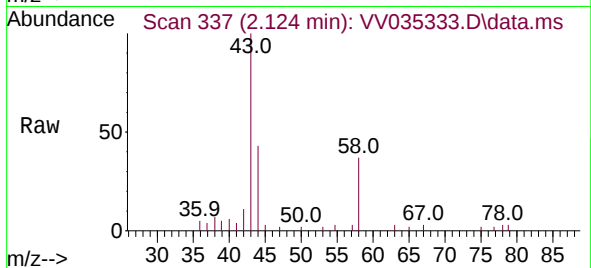
ClientSampleId :

Tgt Ion: 43 Resp: 9016

Ion Ratio Lower Upper

43 100

58 37.3 0.0 66.0



#16

Methylene chloride

Concen: 2.896 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.003 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

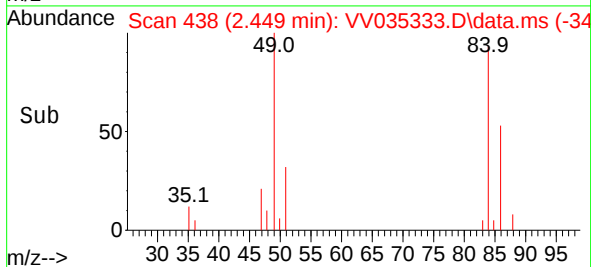
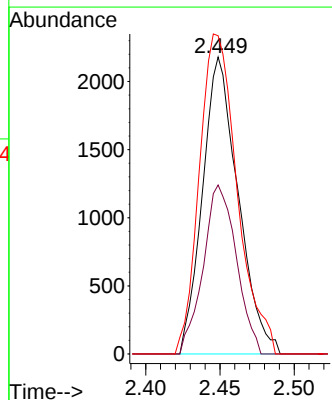
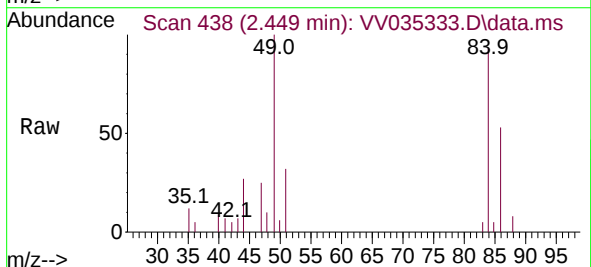
Tgt Ion: 84 Resp: 3639

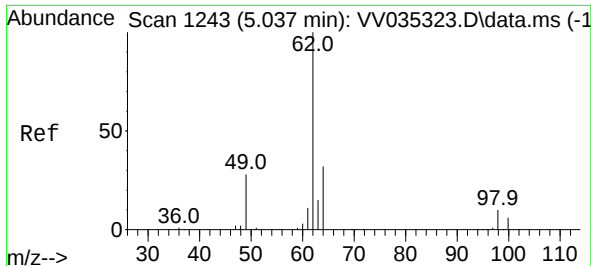
Ion Ratio Lower Upper

84 100

86 56.9 44.6 82.8

49 107.2 86.9 161.3

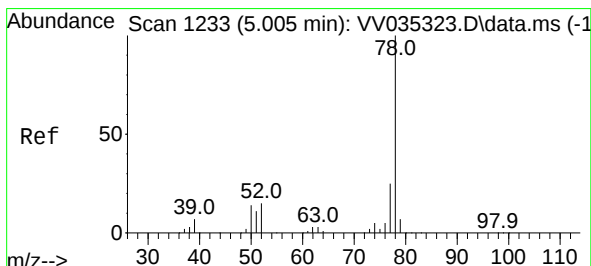
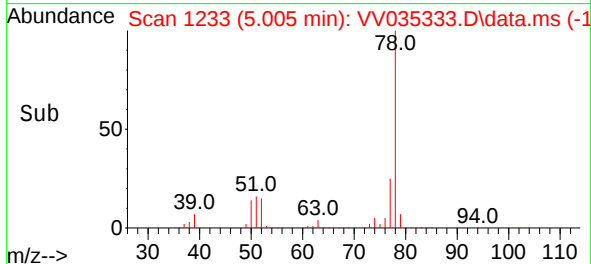
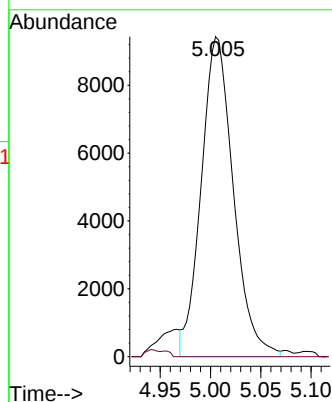
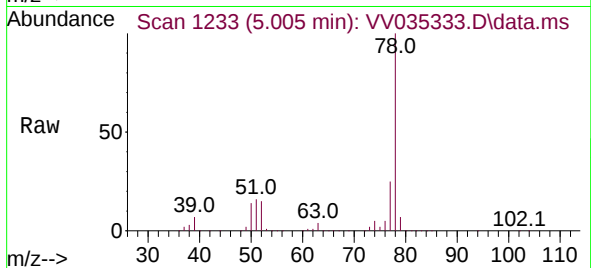




#27
1,2-Dichloroethane
Concen: 11.575 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.032 min
Lab File: VV035333.D
Acq: 22 Apr 2024 15:16

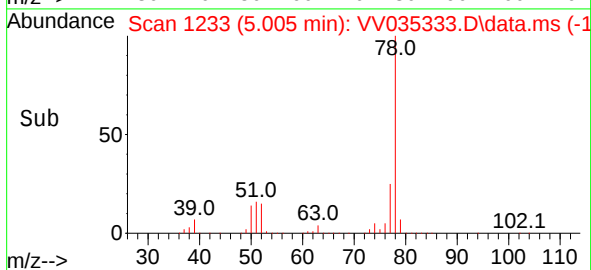
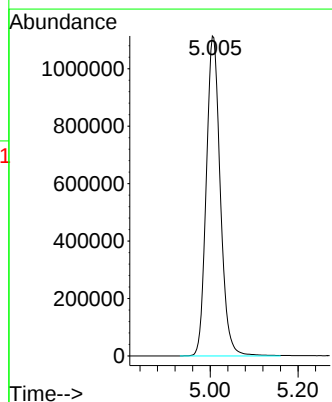
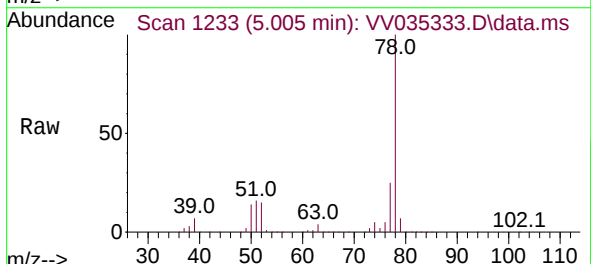
Instrument :
MSVOA_V
ClientSampleId :

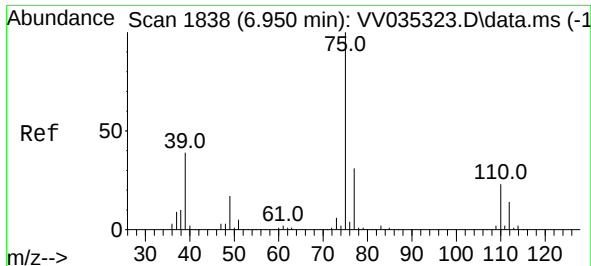
Tgt Ion: 62 Resp: 20948
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#33
Benzene
Concen: 594.495 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.000 min
Lab File: VV035333.D
Acq: 22 Apr 2024 15:16

Tgt Ion: 78 Resp: 2466726





#39

cis-1,3-Dichloropropene

Concen: 1.120 ug/L

RT: 6.915 min Scan# 11

Delta R.T. -0.035 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

Instrument :

MSVOA_V

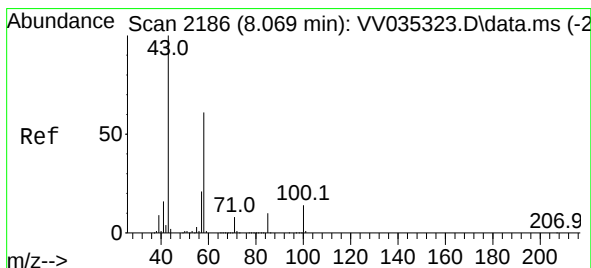
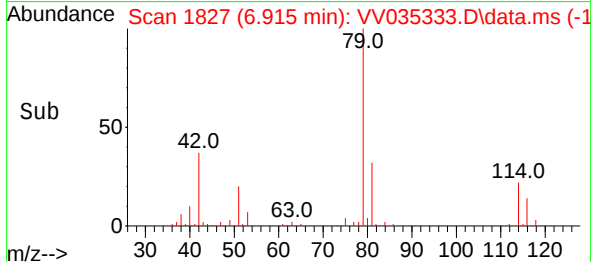
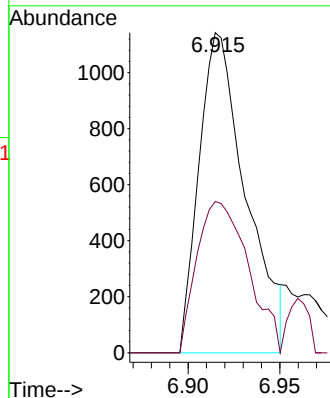
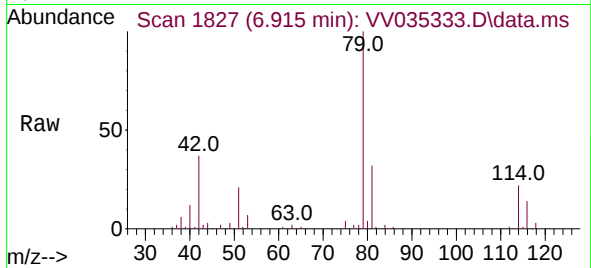
ClientSampleId :

Tgt Ion: 75 Resp: 2023

Ion Ratio Lower Upper

75 100

77 47.2 21.9 40.7#



#48

2-Hexanone

Concen: 7.954 ug/L

RT: 8.092 min Scan# 2193

Delta R.T. 0.022 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

Tgt Ion: 43 Resp: 9904

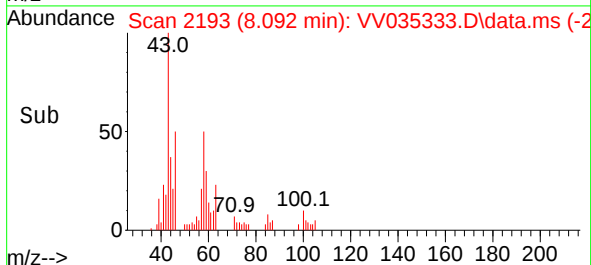
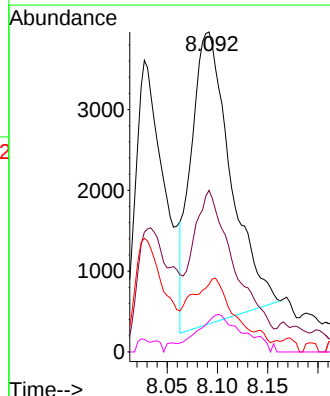
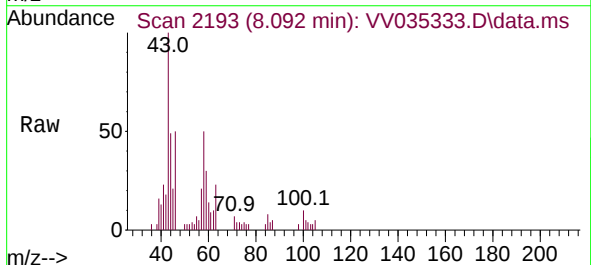
Ion Ratio Lower Upper

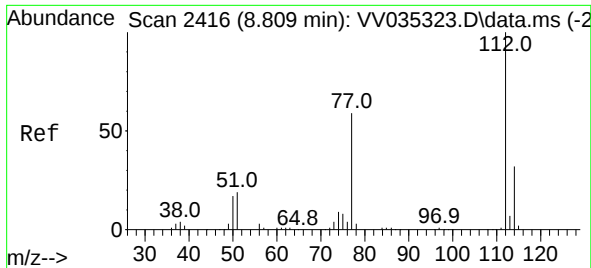
43 100

58 51.3 45.4 68.2

57 1.6 16.2 24.4#

100 8.3 10.1 15.1#

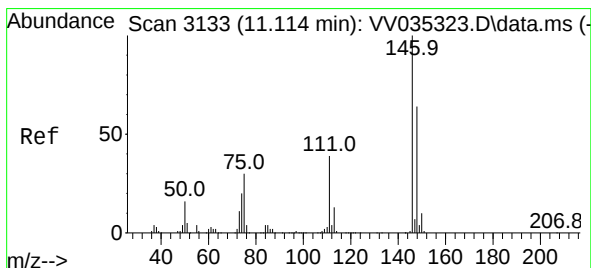
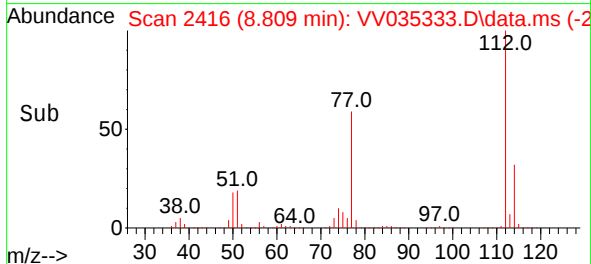
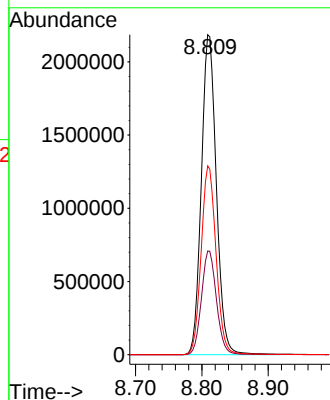
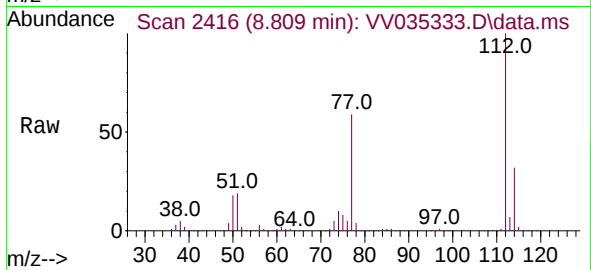




#51
Chlorobenzene
Concen: 1218.375 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. -0.000 min
Lab File: VV035333.D
Acq: 22 Apr 2024 15:16

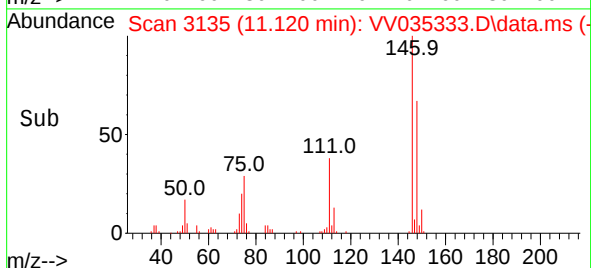
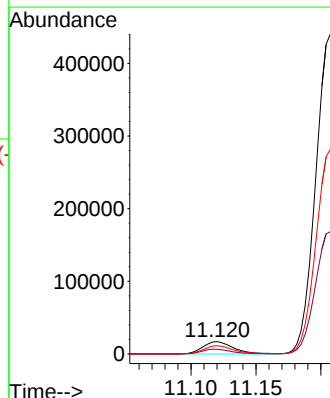
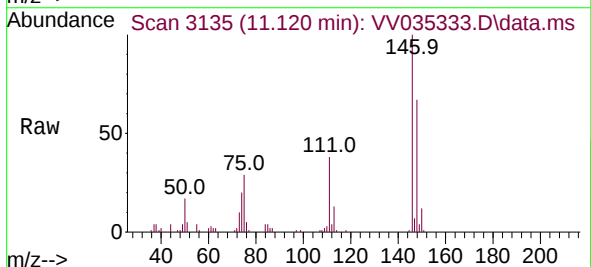
Instrument :
MSVOA_V
ClientSampleId :

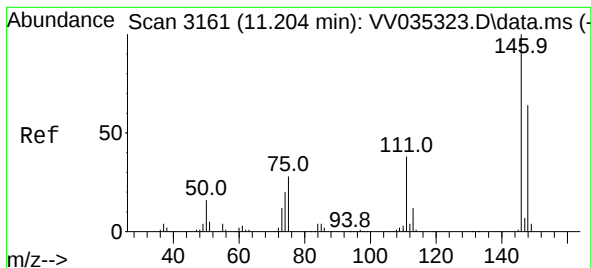
Tgt Ion:112 Resp: 3430270
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 59.0 47.4 71.2



#64
1,3-Dichlorobenzene
Concen: 17.570 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.006 min
Lab File: VV035333.D
Acq: 22 Apr 2024 15:16

Tgt Ion:146 Resp: 27915
Ion Ratio Lower Upper
146 100
111 37.8 28.7 53.3
148 67.1 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 414.701 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

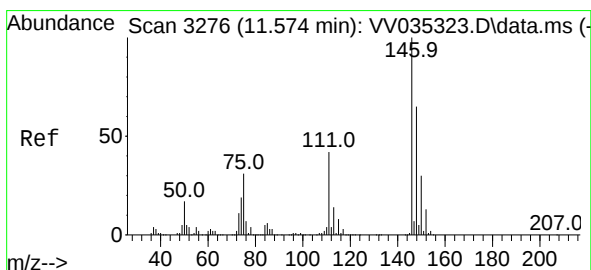
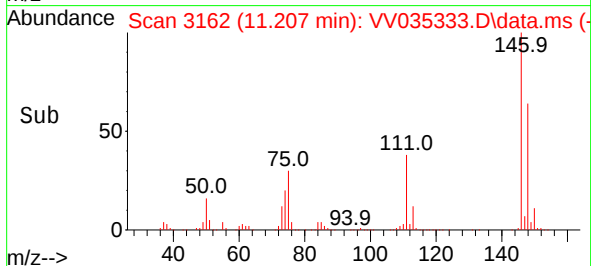
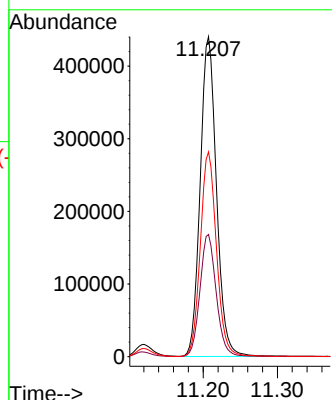
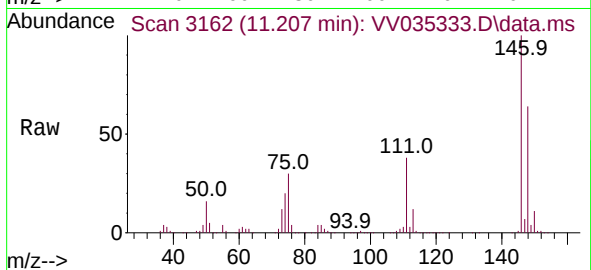
Tgt Ion:146 Resp: 670022

Ion Ratio Lower Upper

146 100

111 38.2 27.4 50.8

148 64.0 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 516.273 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

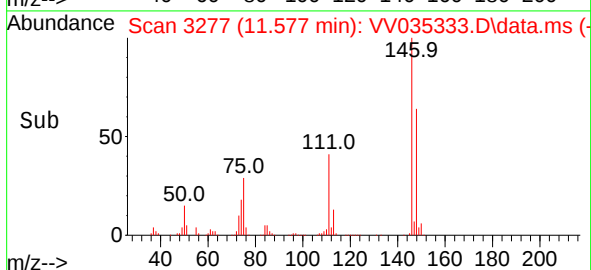
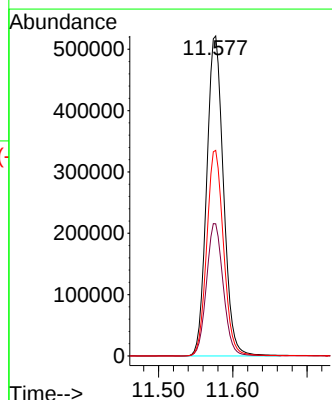
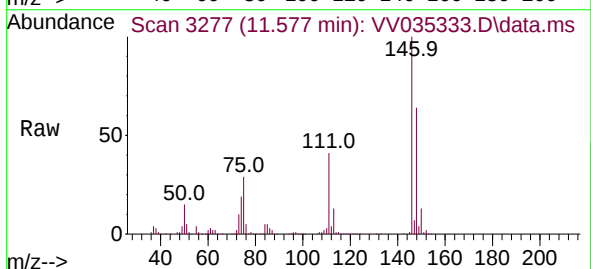
Tgt Ion:146 Resp: 817109

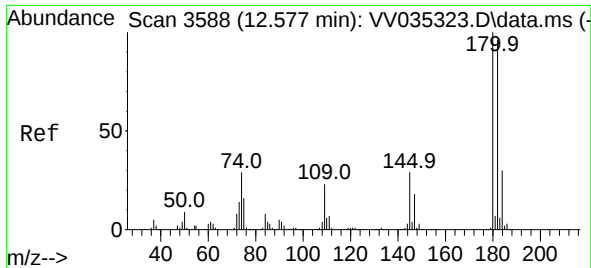
Ion Ratio Lower Upper

146 100

111 41.3 34.6 52.0

148 64.2 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 17.478 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.624 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 20013

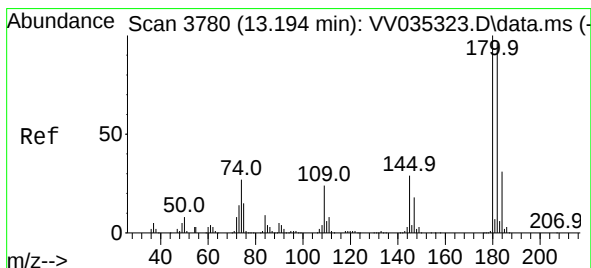
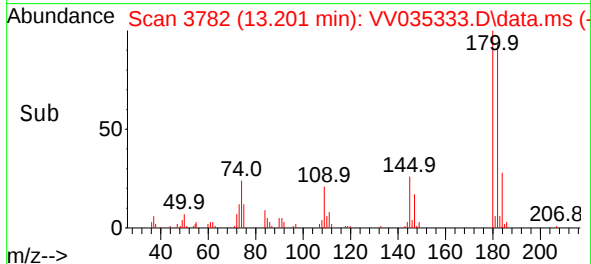
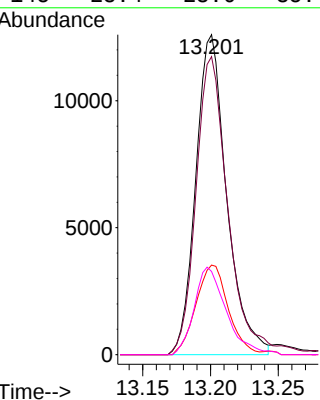
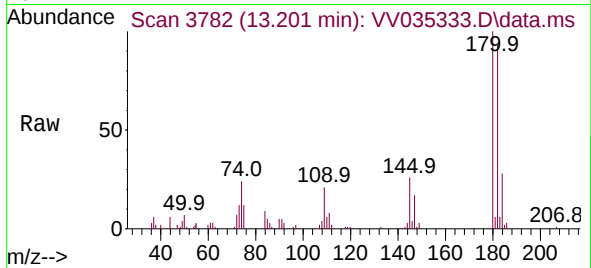
Ion Ratio Lower Upper

180 100

182 95.3 74.7 112.1

184 29.2 24.0 36.0

145 28.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 19.027 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

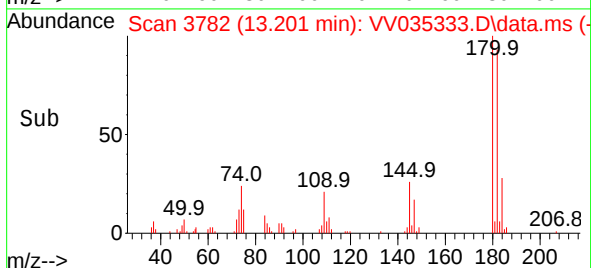
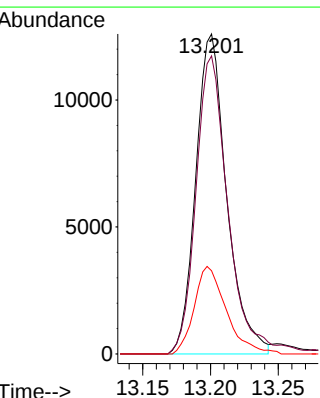
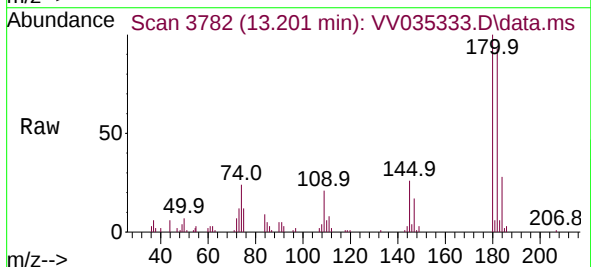
Tgt Ion:180 Resp: 20013

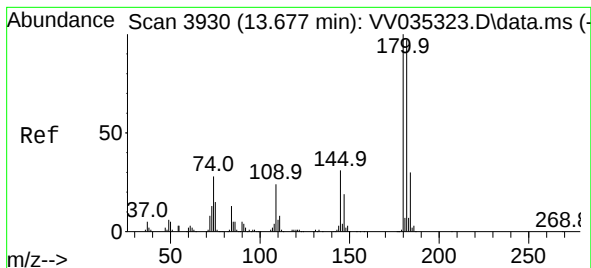
Ion Ratio Lower Upper

180 100

182 95.3 75.6 113.4

145 28.4 24.1 36.1





#72

1,2,3-Trichlorobenzene

Concen: 5.021 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.006 min

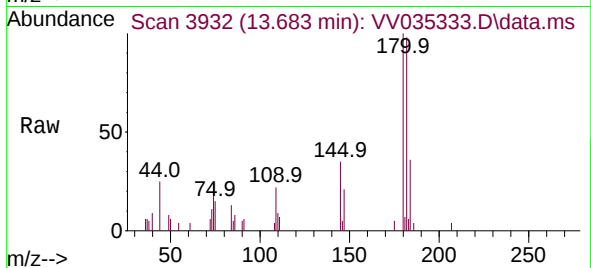
Lab File: VV035333.D

Acq: 22 Apr 2024 15:16

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 5206

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

145 32.0 25.8 38.6

