

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042224\
 Data File : VW035331.D
 Acq On : 22 Apr 2024 14:29
 Operator : SY/MD
 Sample : P2182-05 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 23 00:30:39 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)

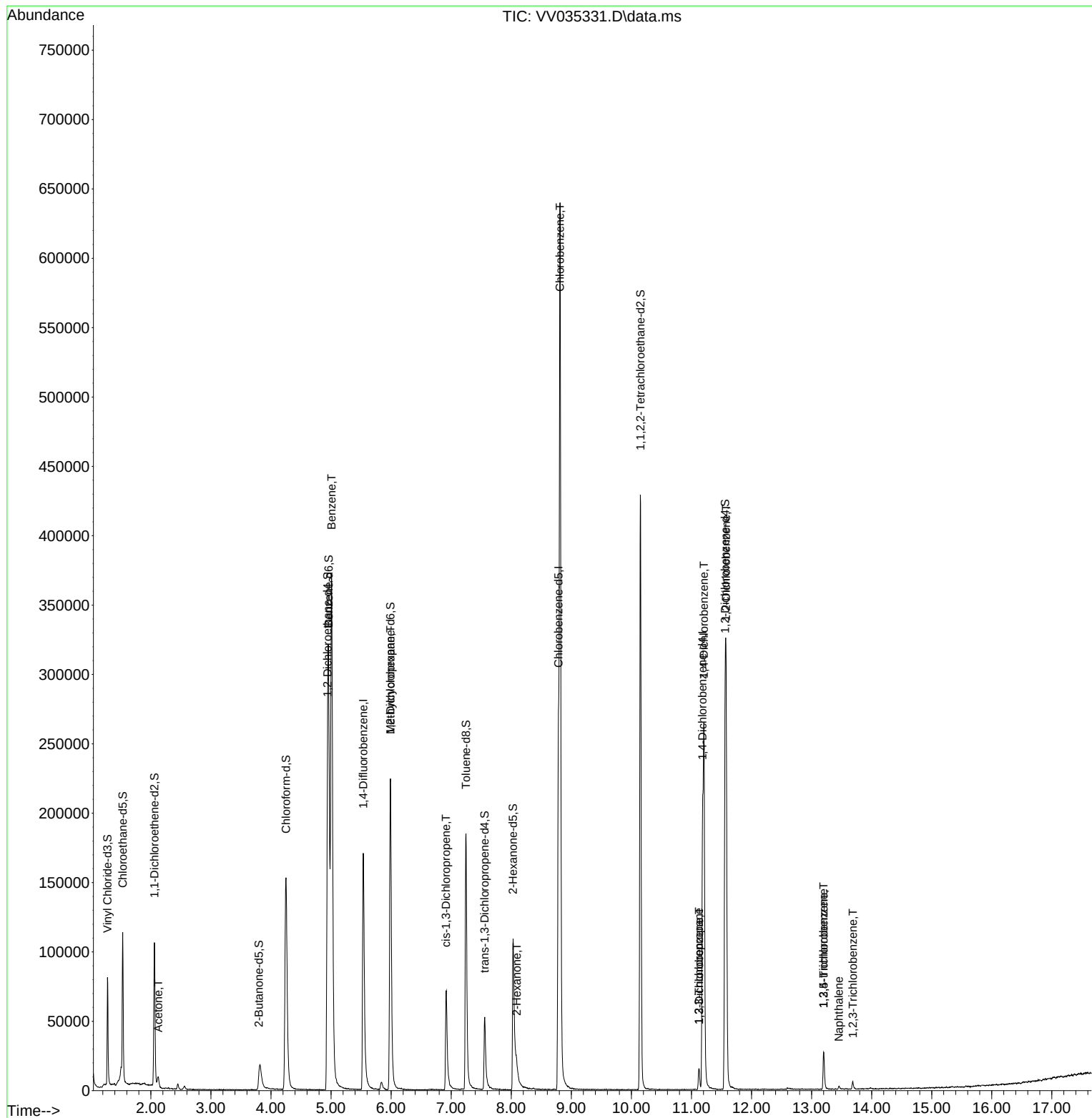
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	159219	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	131694	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	49856	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	50453	32.812	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.620%
7) Chloroethane-d5	1.532	69	66822	50.033	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.060%
11) 1,1-Dichloroethene-d2	2.059	65	17673	26.220	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.440%#
21) 2-Butanone-d5	3.799	46	179	0.196	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.200%#
24) Chloroform-d	4.249	84	170624	65.998	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	132.000%#
26) 1,2-Dichloroethane-d4	4.940	65	141604	86.270	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	172.540%#
32) Benzene-d6	4.960	84	245268	55.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.880%
36) 1,2-Dichloropropane-d6	5.989	67	116944	83.250	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	166.500%#
41) Toluene-d8	7.246	98	134912	33.864	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.720%#
43) trans-1,3-Dichloroprop...	7.558	79	35598	52.127	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.260%
47) 2-Hexanone-d5	8.030	63	36374	68.487	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	68.490%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	212578	109.892	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	219.780%#
66) 1,2-Dichlorobenzene-d4	11.561	152	61175	54.651	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.300%
Target Compounds						Qvalue
13) Acetone	2.124	43	7813	9.332	ug/L	100
33) Benzene	5.008	78	396854	92.413	ug/L	100
35) Methylcyclohexane	5.989	83	27428	15.671	ug/L #	20
39) cis-1,3-Dichloropropene	6.915	75	1837	0.983	ug/L #	73
48) 2-Hexanone	8.091	43	10054	7.802	ug/L #	82
51) Chlorobenzene	8.812	112	350729	120.365	ug/L	98
61) 1,2,3-Trichloropropane	11.123	75	2094	1.938	ug/L #	41
64) 1,3-Dichlorobenzene	11.127	146	7216	4.296	ug/L	96
65) 1,4-Dichlorobenzene	11.207	146	104702	61.298	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	105960	63.327	ug/L	97
69) 1,3,5-Trichlorobenzene	13.201	180	10050	8.302	ug/L	95
70) 1,2,4-trichlorobenzene	13.201	180	10050	9.038	ug/L	94
71) Naphthalene	13.455	128	2346	0.760	ug/L #	86
72) 1,2,3-Trichlorobenzene	13.689	180	2228	2.033	ug/L #	81

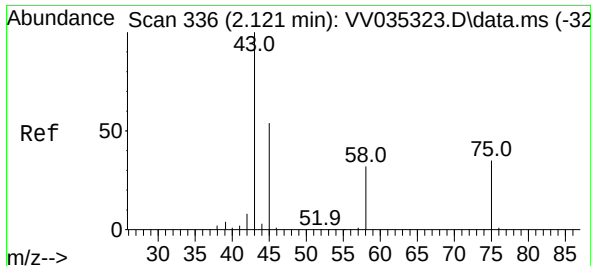
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 9.332 ug/L

RT: 2.124 min Scan# 336

Delta R.T. 0.003 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Instrument :

MSVOA_V

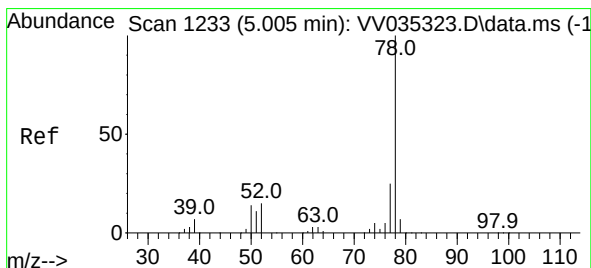
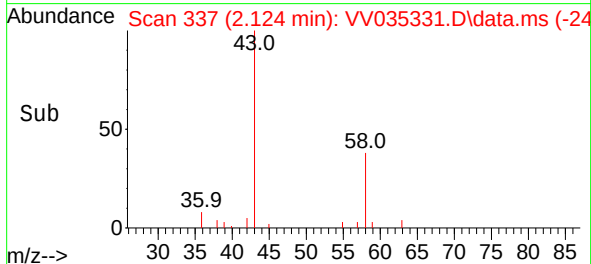
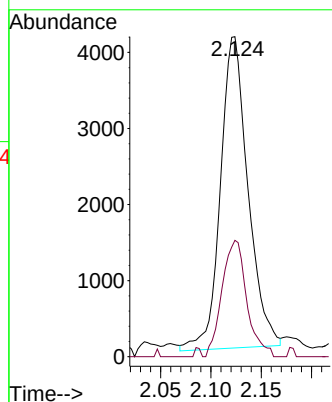
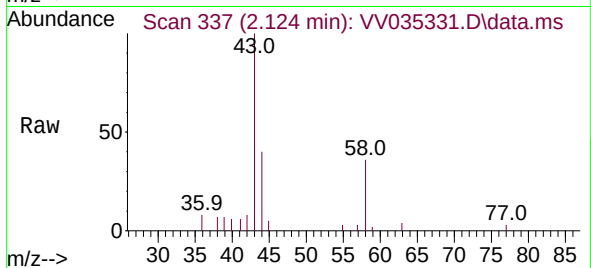
ClientSampleId :

Tgt Ion: 43 Resp: 7813

Ion Ratio Lower Upper

43 100

58 33.2 0.0 66.0



#33

Benzene

Concen: 92.413 ug/L

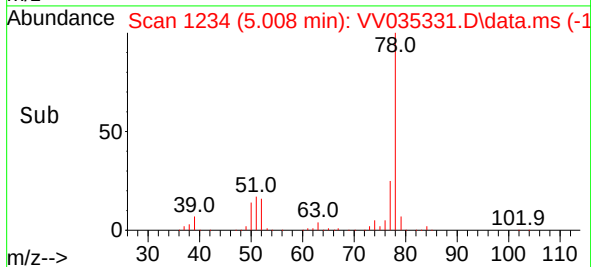
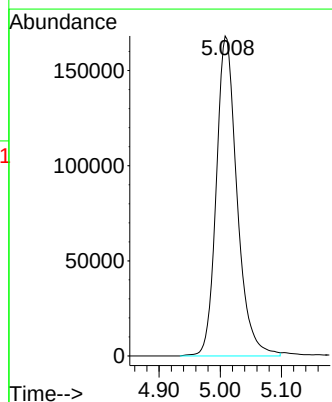
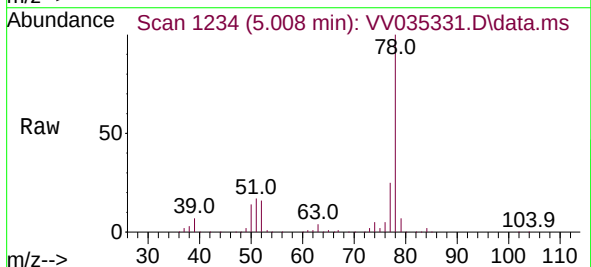
RT: 5.008 min Scan# 1234

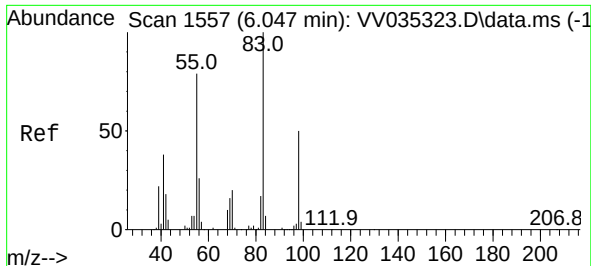
Delta R.T. 0.003 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Tgt Ion: 78 Resp: 396854





#35

Methylcyclohexane

Concen: 15.671 ug/L

RT: 5.989 min Scan# 1

Delta R.T. -0.058 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Instrument :

MSVOA_V

ClientSampleId :

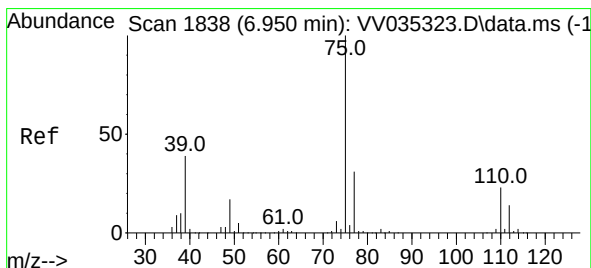
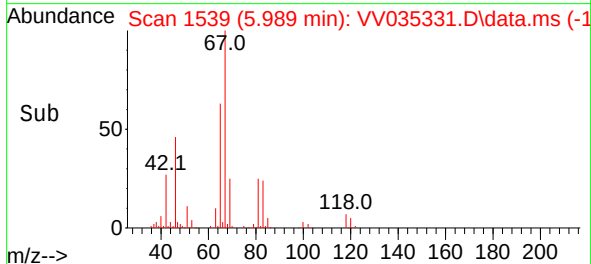
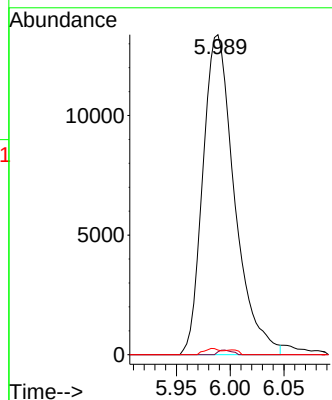
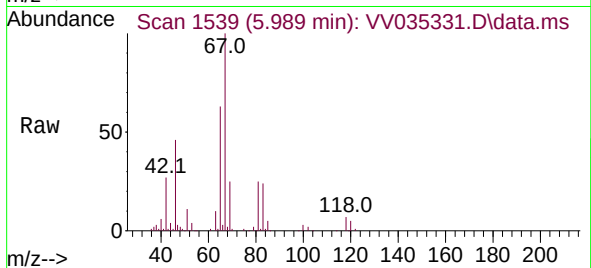
Tgt Ion: 83 Resp: 27428

Ion Ratio Lower Upper

83 100

55 0.6 60.0 90.0#

98 0.5 37.6 56.4#



#39

cis-1,3-Dichloropropene

Concen: 0.983 ug/L

RT: 6.915 min Scan# 1827

Delta R.T. -0.036 min

Lab File: VV035331.D

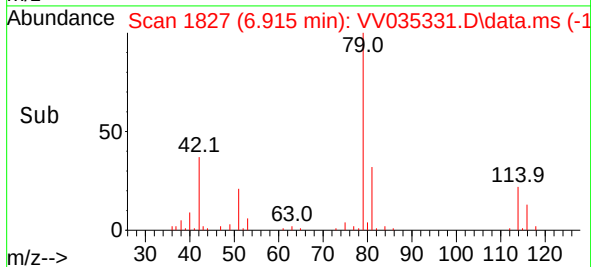
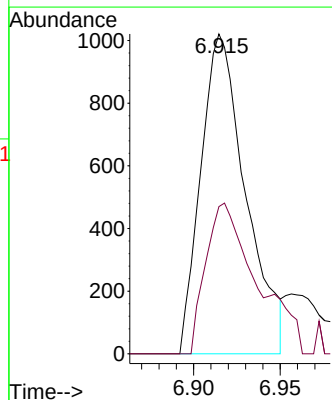
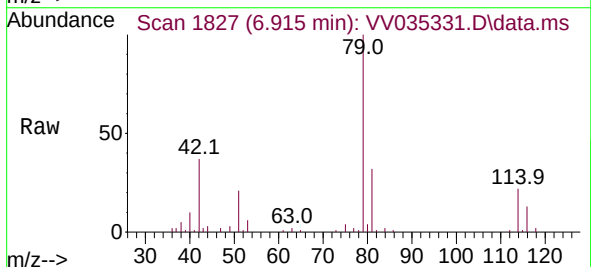
Acq: 22 Apr 2024 14:29

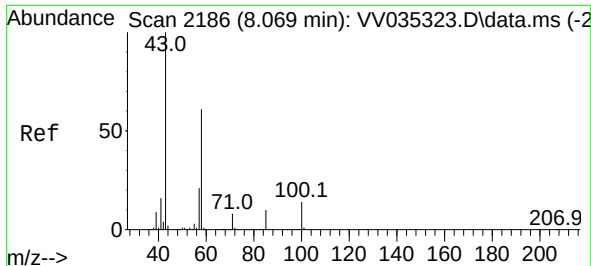
Tgt Ion: 75 Resp: 1837

Ion Ratio Lower Upper

75 100

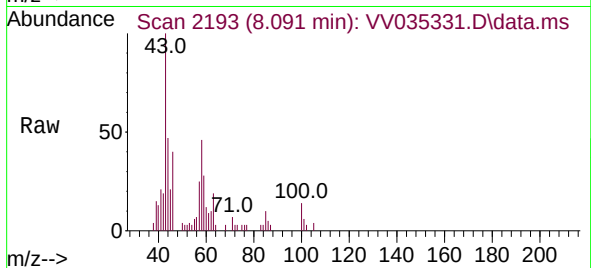
77 46.0 21.9 40.7#



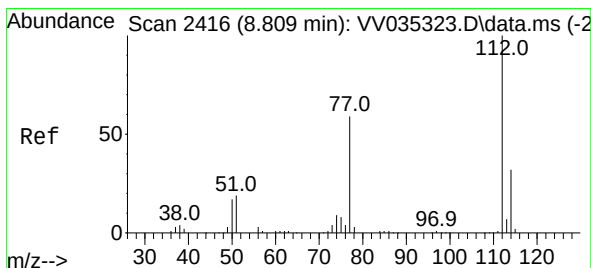
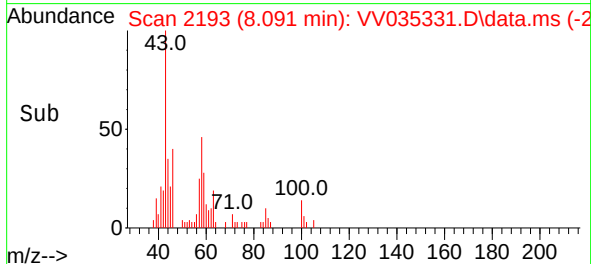
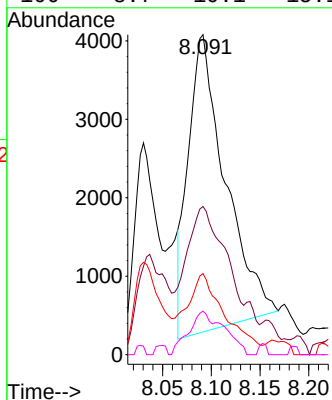


#48
2-Hexanone
Concen: 7.802 ug/L
RT: 8.091 min Scan# 2186
Delta R.T. 0.022 min
Lab File: VV035331.D
Acq: 22 Apr 2024 14:29

Instrument :
MSVOA_V
ClientSampleId :

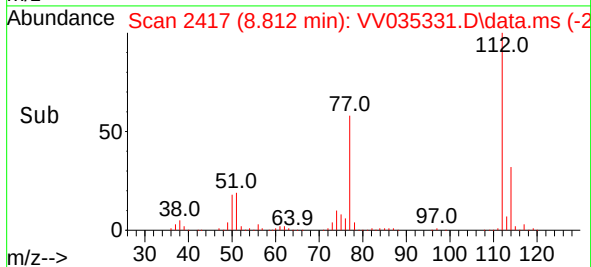
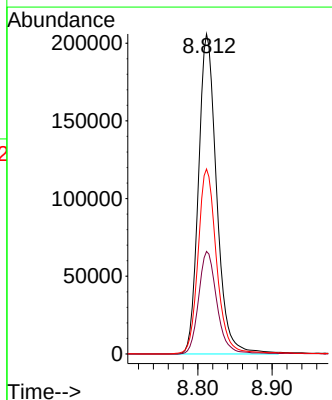
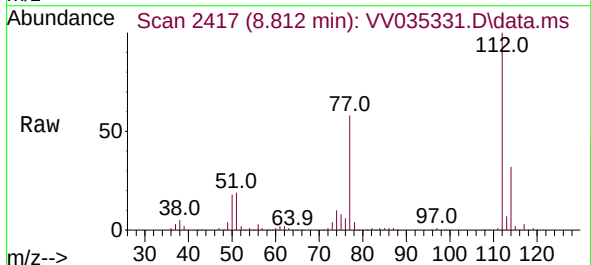


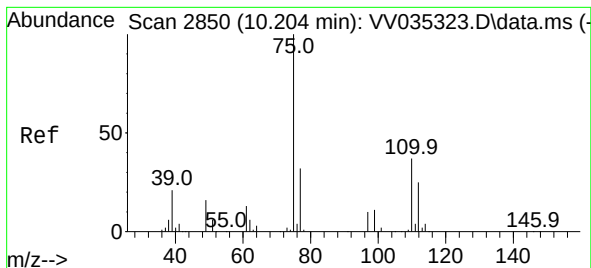
Tgt Ion: 43 Resp: 10054
Ion Ratio Lower Upper
43 100
58 37.1 45.4 68.2#
57 20.0 16.2 24.4
100 8.7 10.1 15.1#



#51
Chlorobenzene
Concen: 120.365 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.003 min
Lab File: VV035331.D
Acq: 22 Apr 2024 14:29

Tgt Ion: 112 Resp: 350729
Ion Ratio Lower Upper
112 100
114 32.0 22.0 41.0
77 57.8 47.4 71.2





#61

1,2,3-Trichloropropane

Concen: 1.938 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.919 min

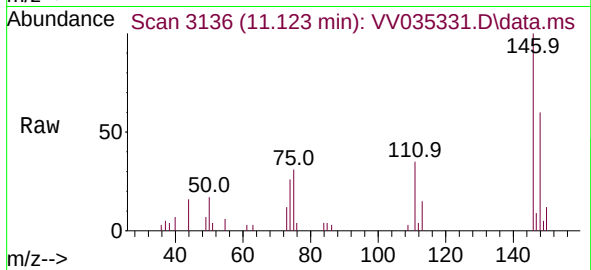
Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

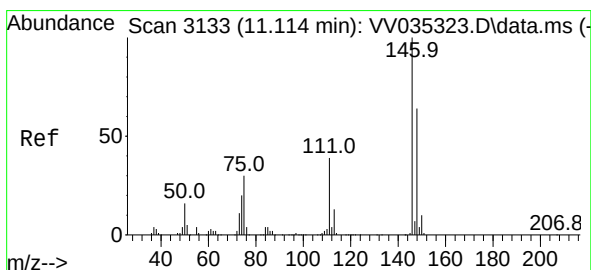
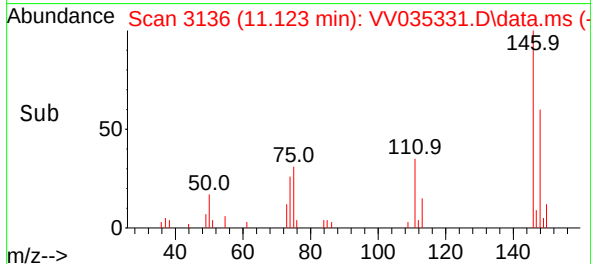
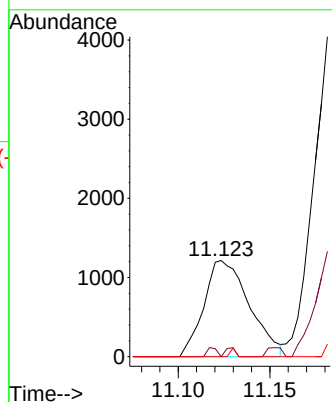
Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:	75	Resp:	2094
Ion Ratio	Lower	Upper	
75	100		
77	2.0	26.0	39.0#
110	0.0	30.5	45.7#



#64

1,3-Dichlorobenzene

Concen: 4.296 ug/L

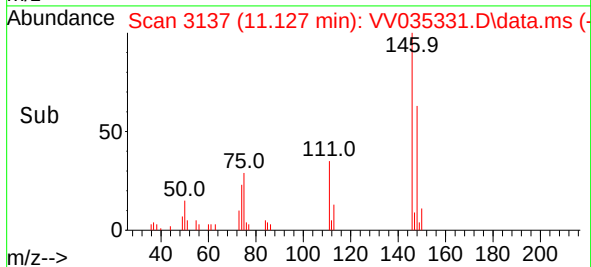
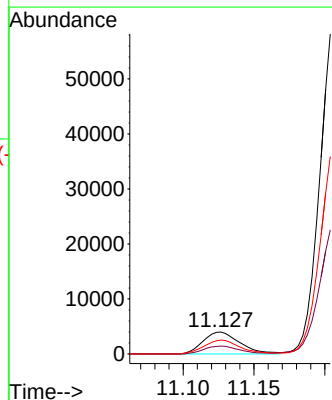
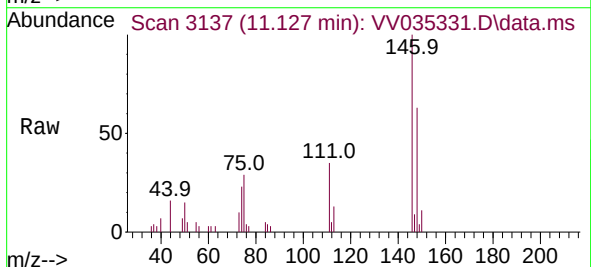
RT: 11.127 min Scan# 3137

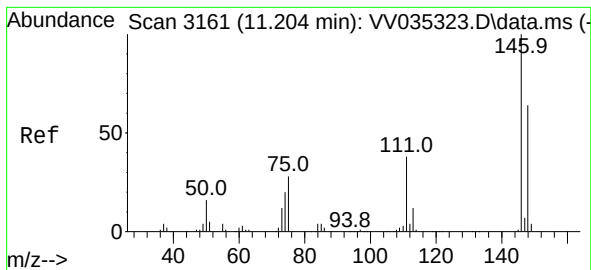
Delta R.T. 0.013 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Tgt Ion:	146	Resp:	7216
Ion Ratio	Lower	Upper	
146	100		
111	35.5	28.7	53.3
148	63.2	44.0	81.8





#65

1,4-Dichlorobenzene

Concen: 61.298 ug/L

RT: 11.207 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Instrument :

MSVOA_V

ClientSampleId :

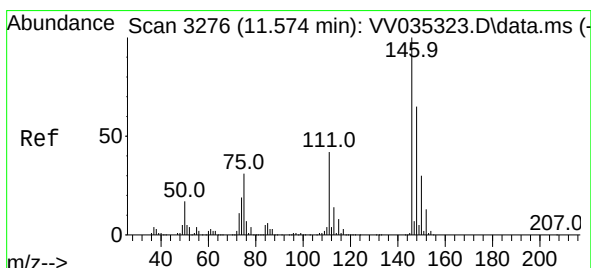
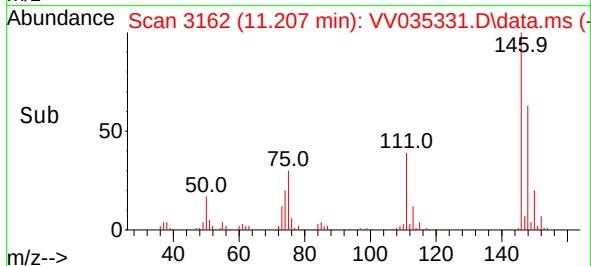
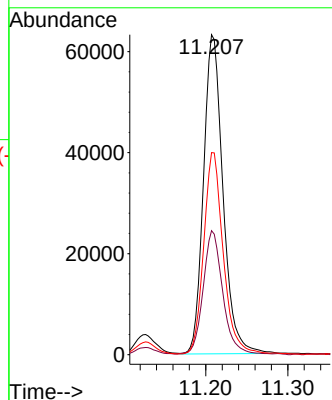
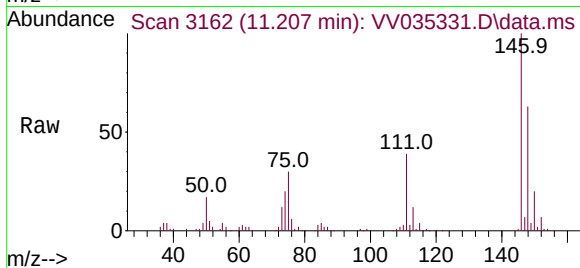
Tgt Ion:146 Resp: 104702

Ion Ratio Lower Upper

146 100

111 38.8 27.4 50.8

148 63.1 44.2 82.2



#67

1,2-Dichlorobenzene

Concen: 63.327 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.003 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

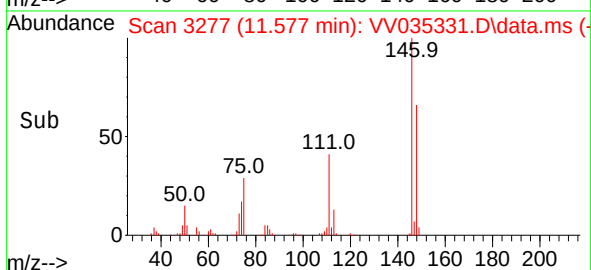
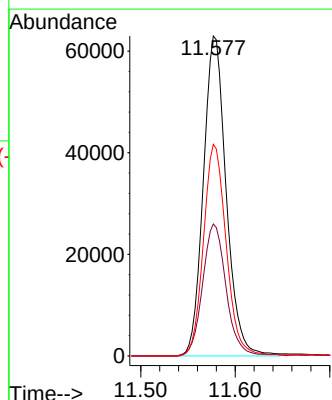
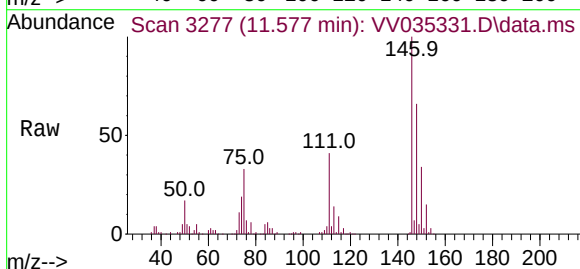
Tgt Ion:146 Resp: 105960

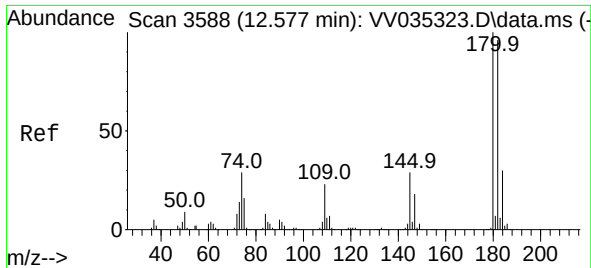
Ion Ratio Lower Upper

146 100

111 41.3 34.6 52.0

148 66.2 51.5 77.3





#69

1,3,5-Trichlorobenzene

Concen: 8.302 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.624 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180 Resp: 10050

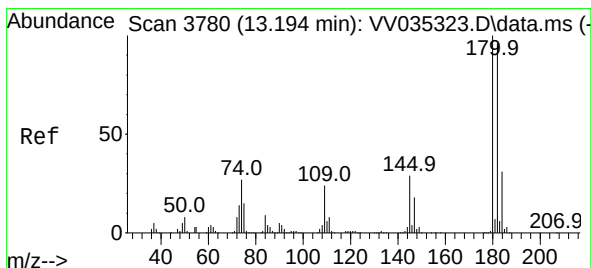
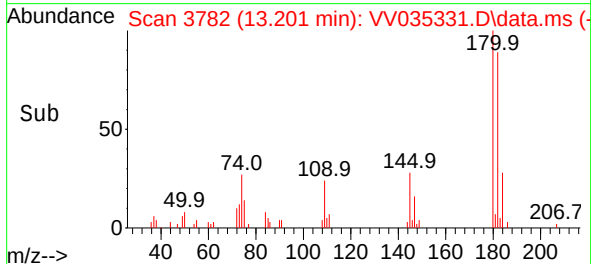
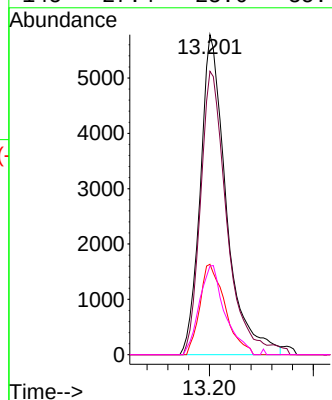
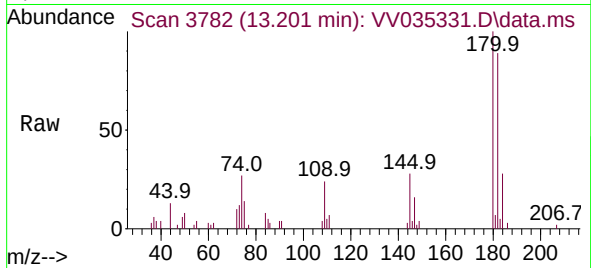
Ion Ratio Lower Upper

180 100

182 88.1 74.7 112.1

184 27.4 24.0 36.0

145 27.4 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 9.038 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.006 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

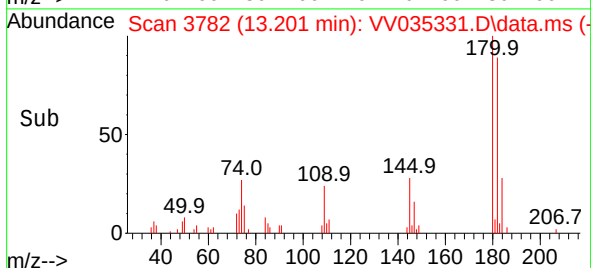
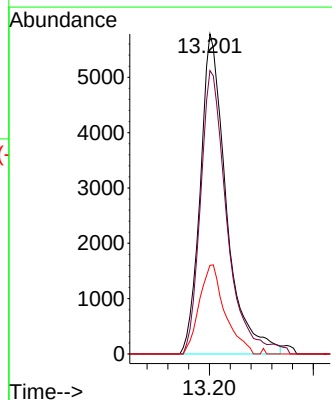
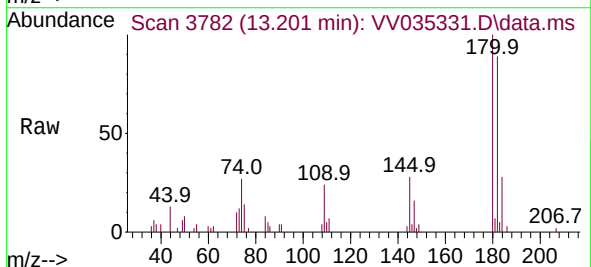
Tgt Ion:180 Resp: 10050

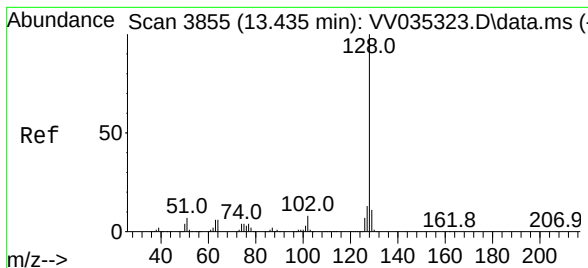
Ion Ratio Lower Upper

180 100

182 88.1 75.6 113.4

145 27.4 24.1 36.1





#71

Naphthalene

Concen: 0.760 ug/L

RT: 13.455 min Scan# 3855

Delta R.T. 0.019 min

Lab File: VV035331.D

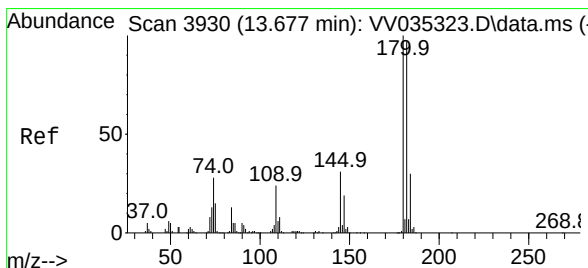
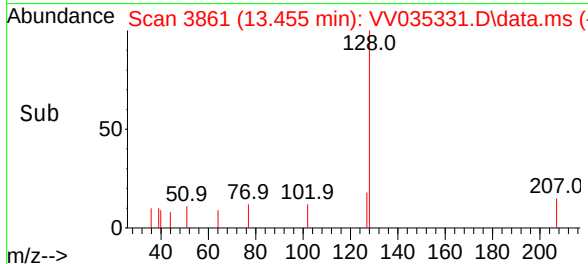
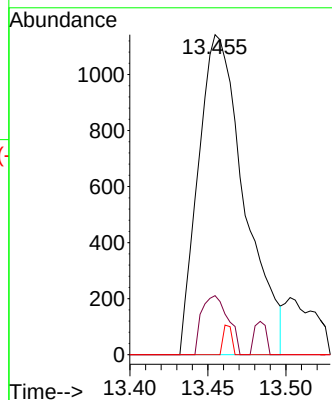
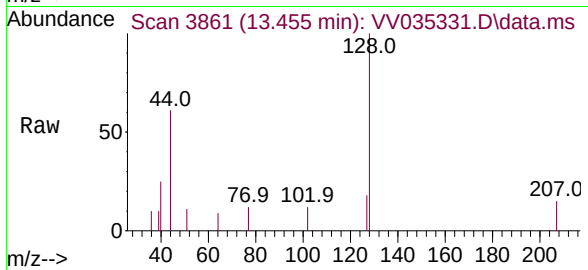
Acq: 22 Apr 2024 14:29

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:128	Resp:	2346
Ion Ratio	Lower	Upper
128	100	
127	10.6	10.5 15.7
129	1.7	8.7 13.1#



#72

1,2,3-Trichlorobenzene

Concen: 2.033 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.013 min

Lab File: VV035331.D

Acq: 22 Apr 2024 14:29

Tgt Ion:180	Resp:	2228
Ion Ratio	Lower	Upper
180	100	
182	75.0	76.2 114.2#
145	25.0	25.8 38.6#

