

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040524\
 Data File : VV035023.D
 Acq On : 05 Apr 2024 23:04
 Operator : SY/MD
 Sample : P2006-11
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 06 03:18:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM032624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 06 02:25:24 2024
 Response via : Initial Calibration

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

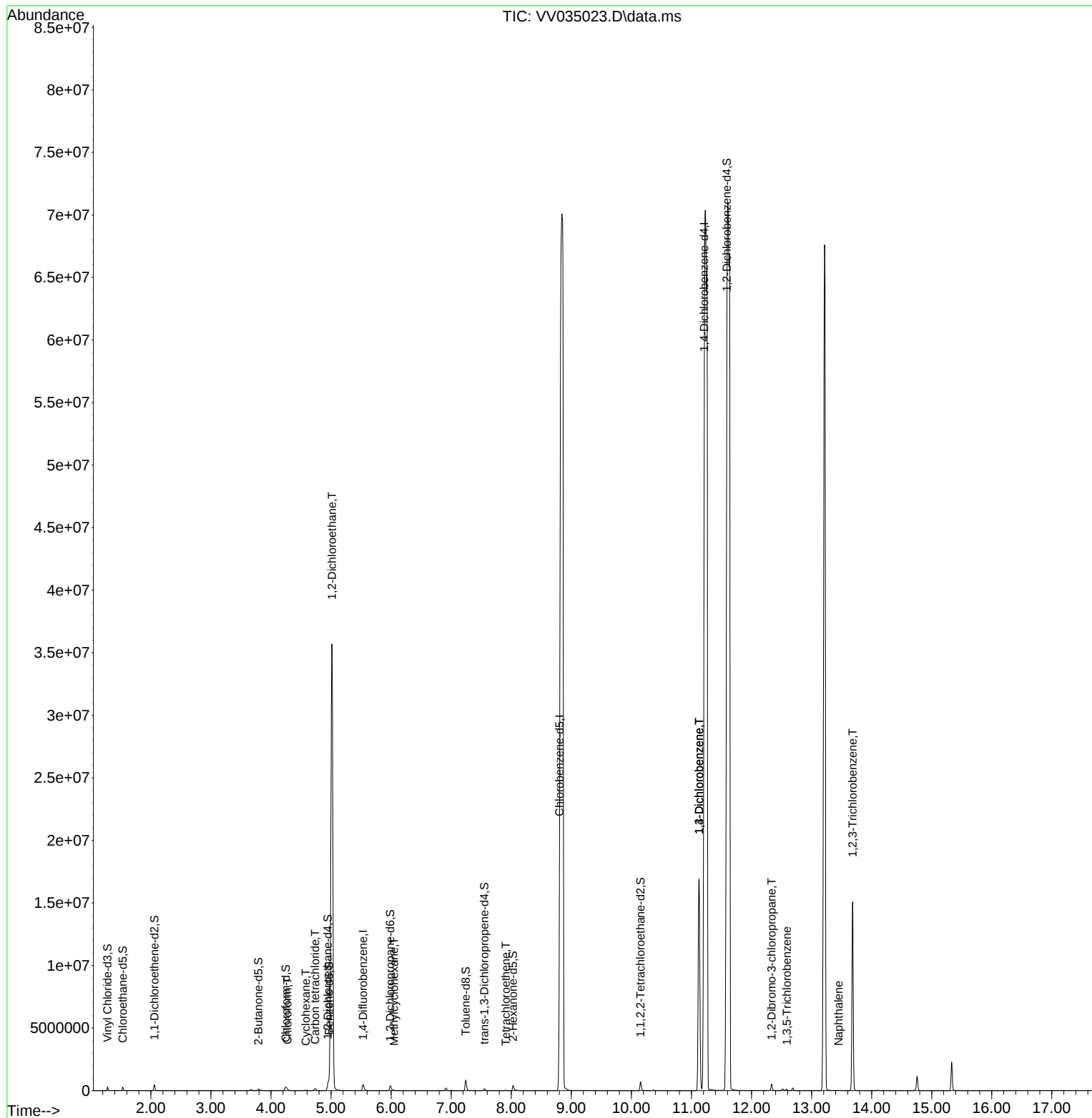
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	429443	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.802	117	461240	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.214	152	246797	50.000	ug/L	# 0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	186379	44.939	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.880%		
7) Chloroethane-d5	1.532	69	170927	47.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.900%		
11) 1,1-Dichloroethene-d2	2.060	65	81289	44.713	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.420%		
21) 2-Butanone-d5	3.790	46	209031	84.982	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.980%		
24) Chloroform-d	4.246	84	312512	44.817	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.640%		
26) 1,2-Dichloroethane-d4	4.944	65	204710	46.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.480%		
32) Benzene-d6	4.963	84	652232	42.098	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.200%		
36) 1,2-Dichloropropane-d6	5.986	67	204979	41.663	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.320%		
41) Toluene-d8	7.243	98	574439	41.170	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.340%		
43) trans-1,3-Dichloroprop...	7.551	79	90072	37.659	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.320%		
47) 2-Hexanone-d5	8.027	63	144774	77.830	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	77.830%		
56) 1,1,2,2-Tetrachloroeth...	10.153	84	292164	43.124	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.240%		
66) 1,2-Dichlorobenzene-d4	11.590	152	231309	41.744	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery =	83.480%		
Target Compounds						Qvalue
25) Chloroform	4.275	83	49490	7.834	ug/L	95
27) 1,2-Dichloroethane	5.015	62	393617	78.253	ug/L #	75
29) Cyclohexane	4.580	56	22251	3.852	ug/L #	93
31) Carbon tetrachloride	4.735	117	118221	23.199	ug/L	99
35) Methylcyclohexane	6.050	83	14260	2.326	ug/L #	84
46) Tetrachloroethene	7.908	164	9258	3.265	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	7909074	951.233	ug/L	97
65) 1,4-Dichlorobenzene	11.127	146	7909074	935.398	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.333	75	84477	57.336	ug/L #	6
69) 1,3,5-Trichlorobenzene	12.587	180	9331	1.557	ug/L	97
71) Naphthalene	13.448	128	12236	0.801	ug/L #	81
72) 1,2,3-Trichlorobenzene	13.683	180	4217430	777.294	ug/L	100

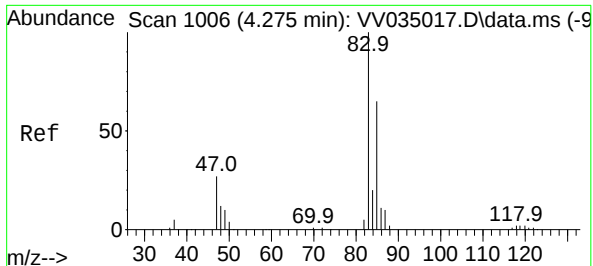
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 06 02:25:24 2024
Response via : Initial Calibration





#25

Chloroform

Concen: 7.834 ug/L

RT: 4.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

Instrument :

MSVOA_V

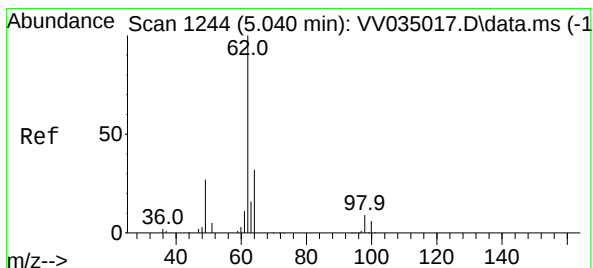
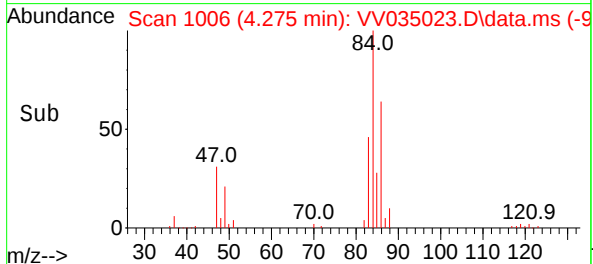
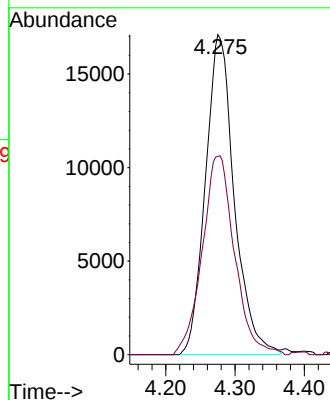
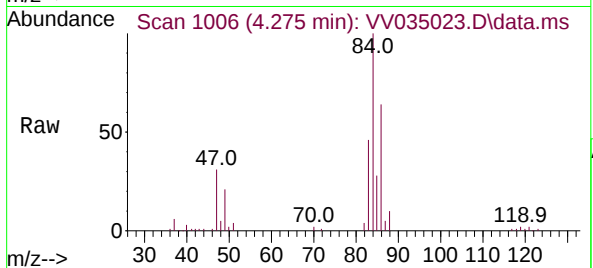
ClientSampleId :

Tgt Ion: 83 Resp: 49490

Ion Ratio Lower Upper

83 100

85 62.0 46.0 85.4



#27

1,2-Dichloroethane

Concen: 78.253 ug/L

RT: 5.015 min Scan# 1236

Delta R.T. -0.026 min

Lab File: VV035023.D

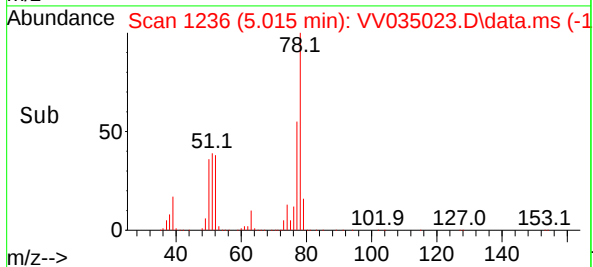
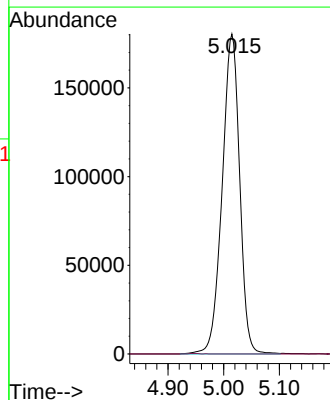
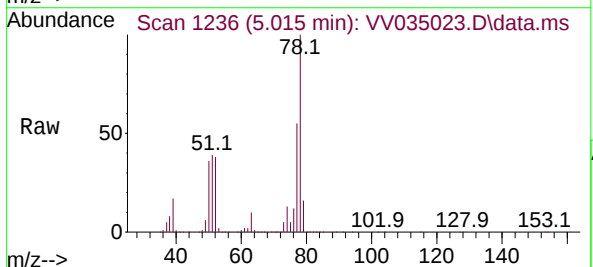
Acq: 05 Apr 2024 23:04

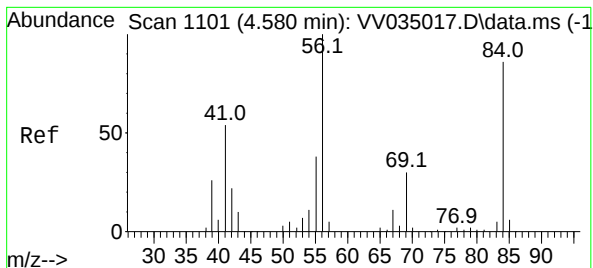
Tgt Ion: 62 Resp: 393617

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#29

Cyclohexane

Concen: 3.852 ug/L

RT: 4.580 min Scan# 1101

Delta R.T. 0.000 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

Instrument :

MSVOA_V

ClientSampleId :

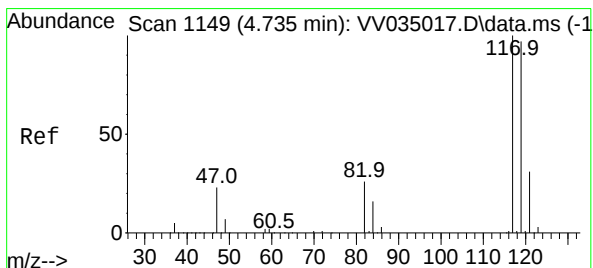
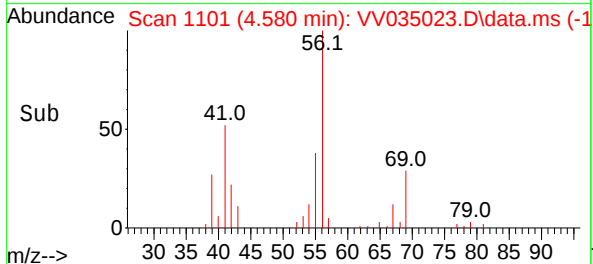
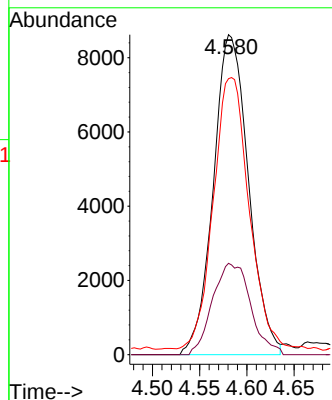
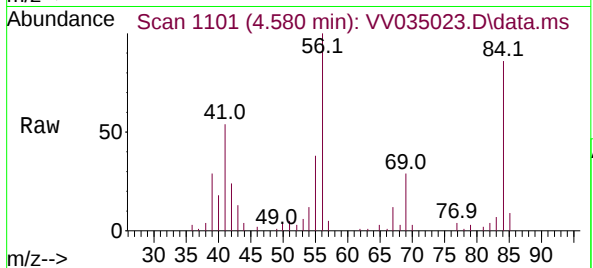
Tgt Ion: 56 Resp: 22251

Ion Ratio Lower Upper

56 100

69 18.3 24.2 36.2#

84 85.9 69.8 104.8



#31

Carbon tetrachloride

Concen: 23.199 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VV035023.D

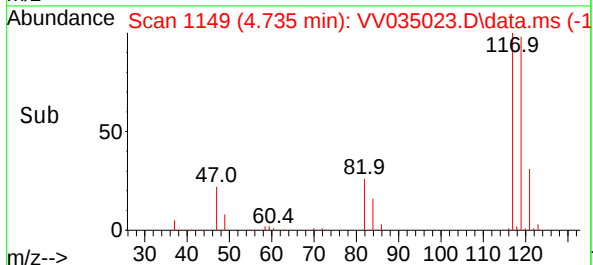
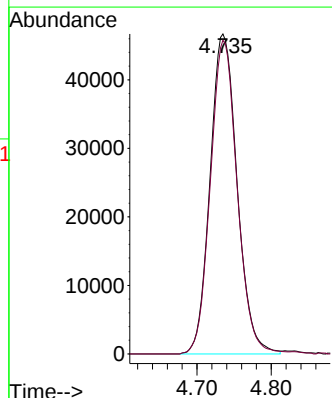
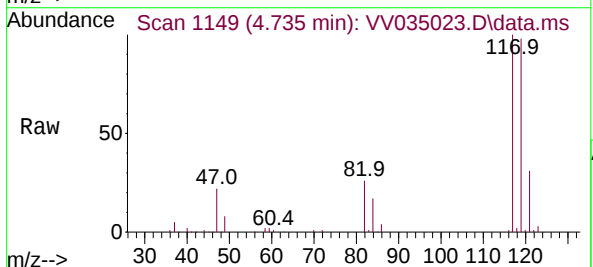
Acq: 05 Apr 2024 23:04

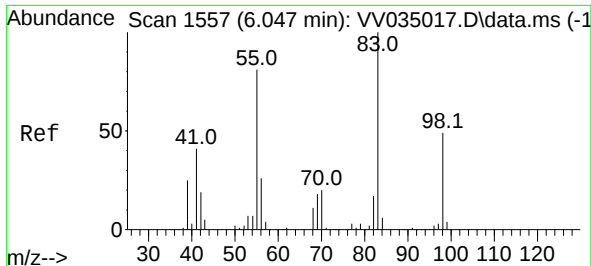
Tgt Ion: 117 Resp: 118221

Ion Ratio Lower Upper

117 100

119 96.9 77.1 115.7





#35

Methylcyclohexane

Concen: 2.326 ug/L

RT: 6.050 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

Instrument :

MSVOA_V

ClientSampleId :

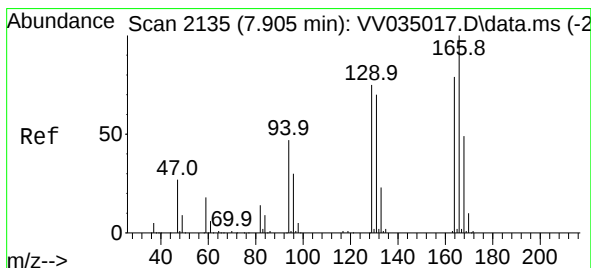
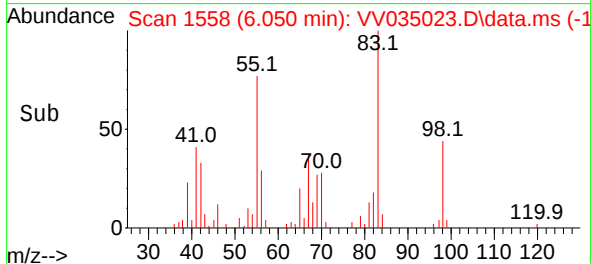
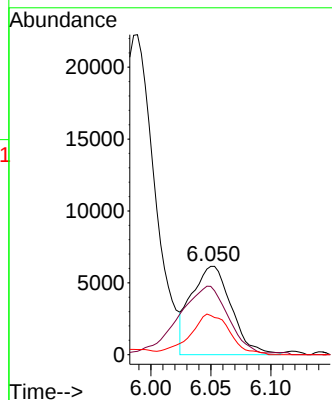
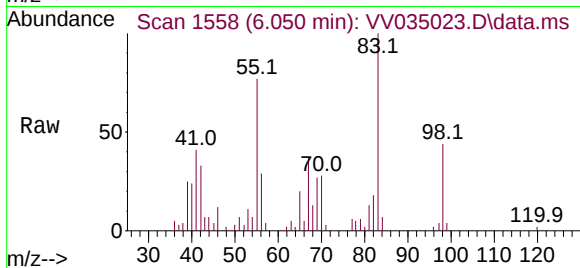
Tgt Ion: 83 Resp: 14260

Ion Ratio Lower Upper

83 100

55 96.8 60.0 90.0#

98 45.7 37.6 56.4



#46

Tetrachloroethene

Concen: 3.265 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.003 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

Tgt Ion:164 Resp: 9258

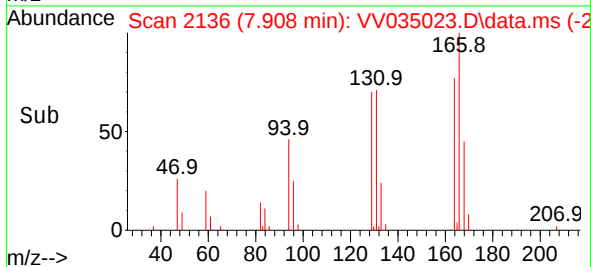
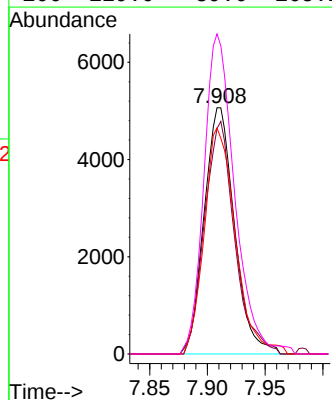
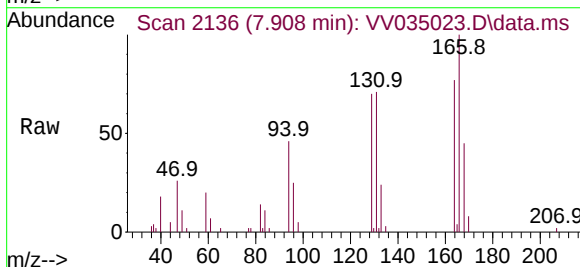
Ion Ratio Lower Upper

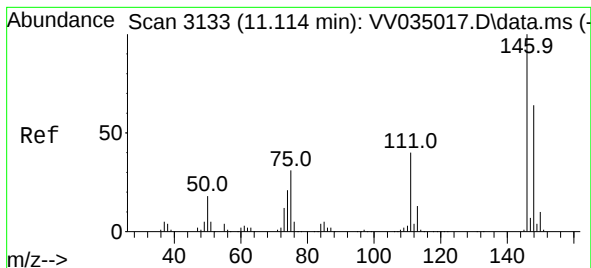
164 100

129 91.5 68.6 127.4

131 91.8 65.7 122.1

166 129.9 89.0 165.2





#64

1,3-Dichlorobenzene

Concen: 951.233 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.013 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

Instrument :

MSVOA_V

ClientSampleId :

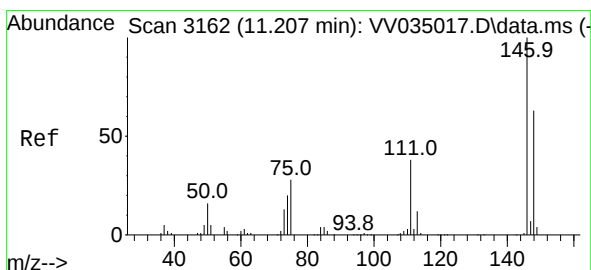
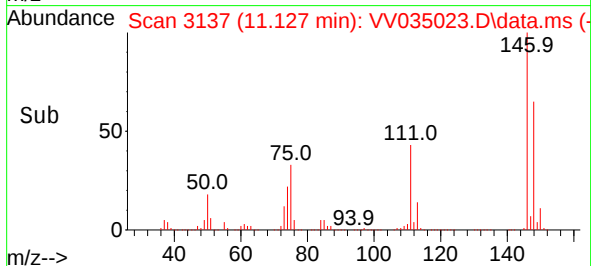
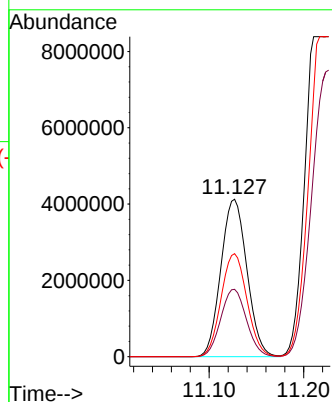
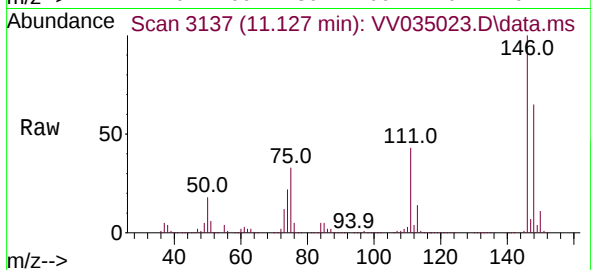
Tgt Ion:146 Resp: 7909074

Ion Ratio Lower Upper

146 100

111 42.9 28.7 53.3

148 65.4 44.0 81.8



#65

1,4-Dichlorobenzene

Concen: 935.398 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. -0.080 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

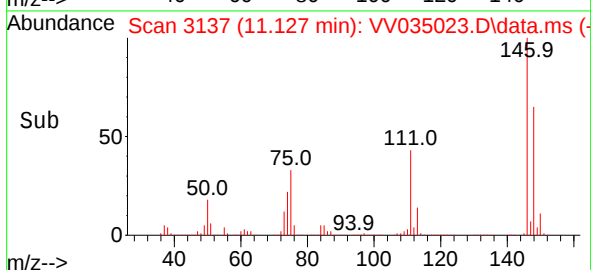
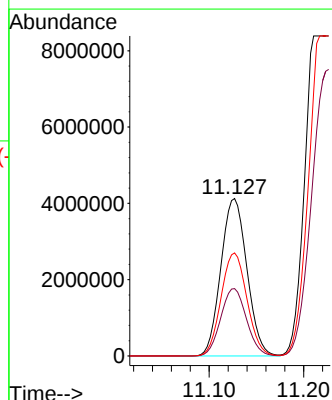
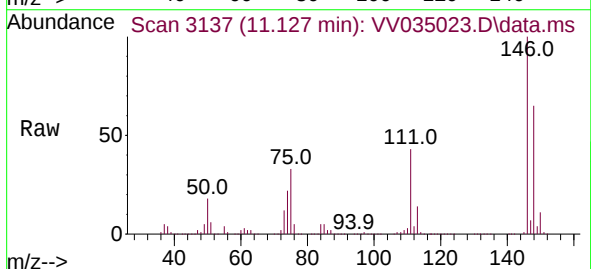
Tgt Ion:146 Resp: 7909074

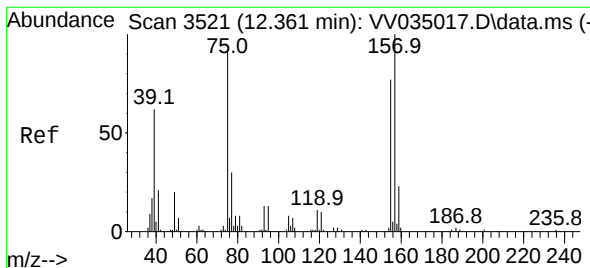
Ion Ratio Lower Upper

146 100

111 42.9 27.4 50.8

148 65.4 44.2 82.2

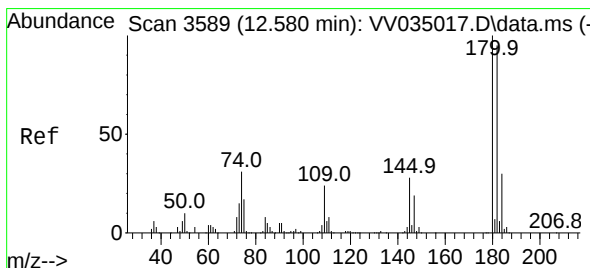
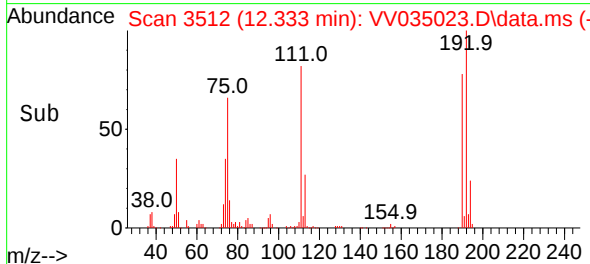
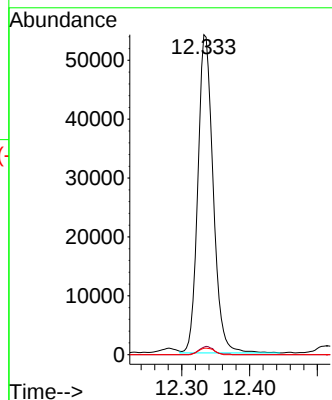
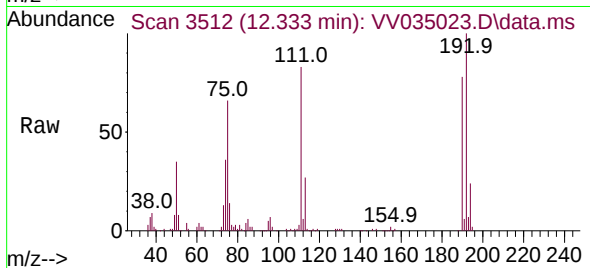




#68
1,2-Dibromo-3-chloropropane
Concen: 57.336 ug/L
RT: 12.333 min Scan# 3512
Delta R.T. -0.029 min
Lab File: VV035023.D
Acq: 05 Apr 2024 23:04

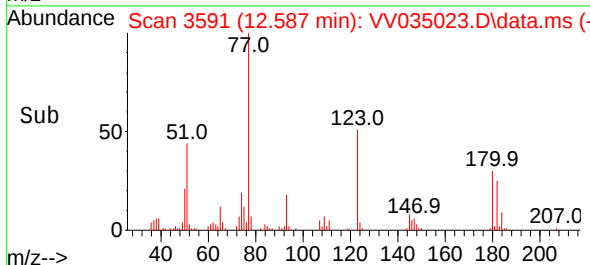
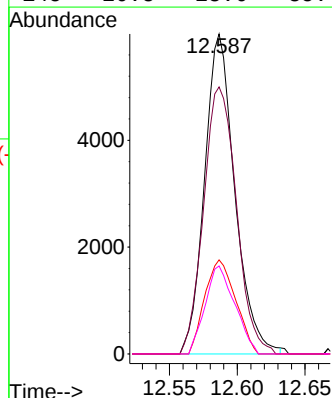
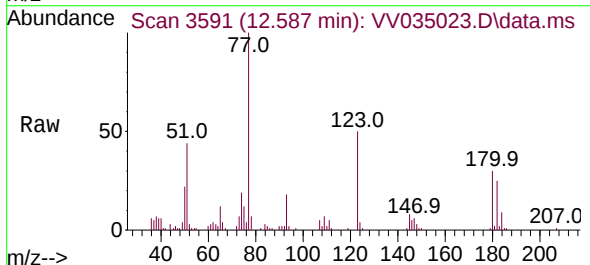
Instrument :
MSVOA_V
ClientSampleId :

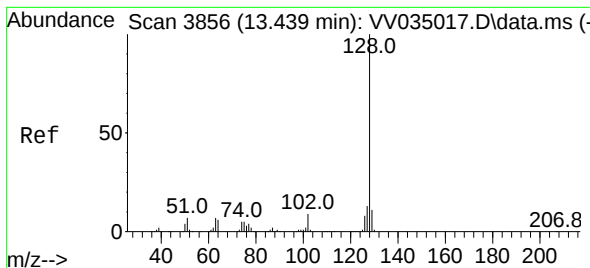
Tgt Ion: 75 Resp: 84477
Ion Ratio Lower Upper
75 100
155 2.3 63.0 94.6#
157 2.0 81.0 121.4#



#69
1,3,5-Trichlorobenzene
Concen: 1.557 ug/L
RT: 12.587 min Scan# 3591
Delta R.T. 0.007 min
Lab File: VV035023.D
Acq: 05 Apr 2024 23:04

Tgt Ion:180 Resp: 9331
Ion Ratio Lower Upper
180 100
182 90.1 74.7 112.1
184 29.9 24.0 36.0
145 26.8 23.6 35.4





#71

Naphthalene

Concen: 0.801 ug/L

RT: 13.448 min Scan# 3856

Delta R.T. 0.010 min

Lab File: VV035023.D

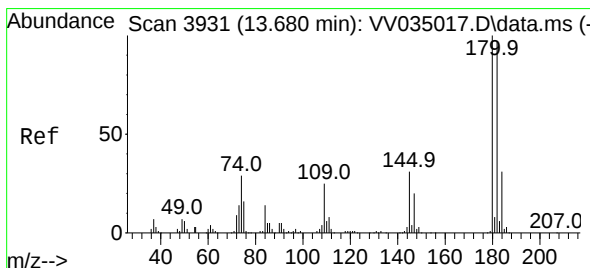
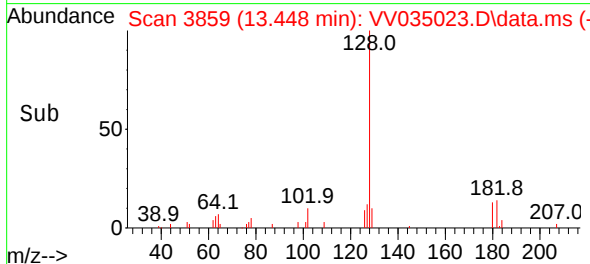
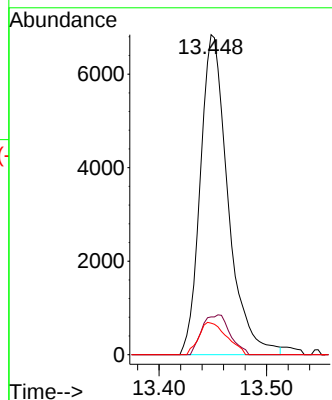
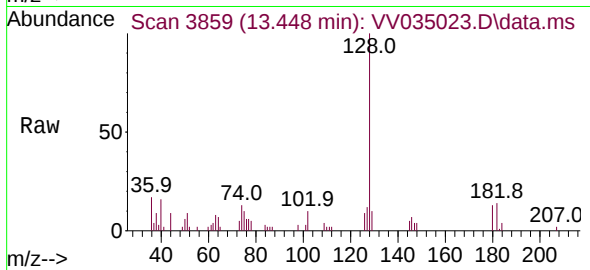
Acq: 05 Apr 2024 23:04

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	128	Resp:	12236
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.5	15.7#
129	10.1	8.7	13.1



#72

1,2,3-Trichlorobenzene

Concen: 777.294 ug/L

RT: 13.683 min Scan# 3932

Delta R.T. 0.003 min

Lab File: VV035023.D

Acq: 05 Apr 2024 23:04

Tgt Ion:	180	Resp:	4217430
Ion Ratio	Lower	Upper	
180	100		
182	95.6	76.2	114.2
145	32.2	25.8	38.6

