

Data File : VV014988.D
Acq On : 17 Mar 2020 21:02
Operator : SY/MD
Sample : L1941-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DB6

Quant Time: Mar 18 05:27:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	347153	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	355601	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.28	152	212591	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83902	36.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.56%
7) Chloroethane-d5	1.58	69	65798	38.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.60%
11) 1,1-Dichloroethene-d2	2.12	63	107307	30.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.48%
21) 2-Butanone-d5	3.93	46	104238	73.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	73.92%
24) Chloroform-d	4.38	84	197829	41.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.12%
26) 1,2-Dichloroethane-d4	5.06	65	132451	43.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.78%
32) Benzene-d6	5.08	84	407946	41.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.28%
36) 1,2-Dichloropropane-d6	6.10	67	123060	42.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.38%
41) Toluene-d8	7.34	98	405195	41.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.64%
43) trans-1,3-Dichloropropene-	7.64	79	54363	35.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.10%
47) 2-Hexanone-d5	8.12	63	112471	85.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.41%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	182592	42.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.50%
64) 1,2-Dichlorobenzene-d4	11.66	152	211792	45.48	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.96%

Target Compounds

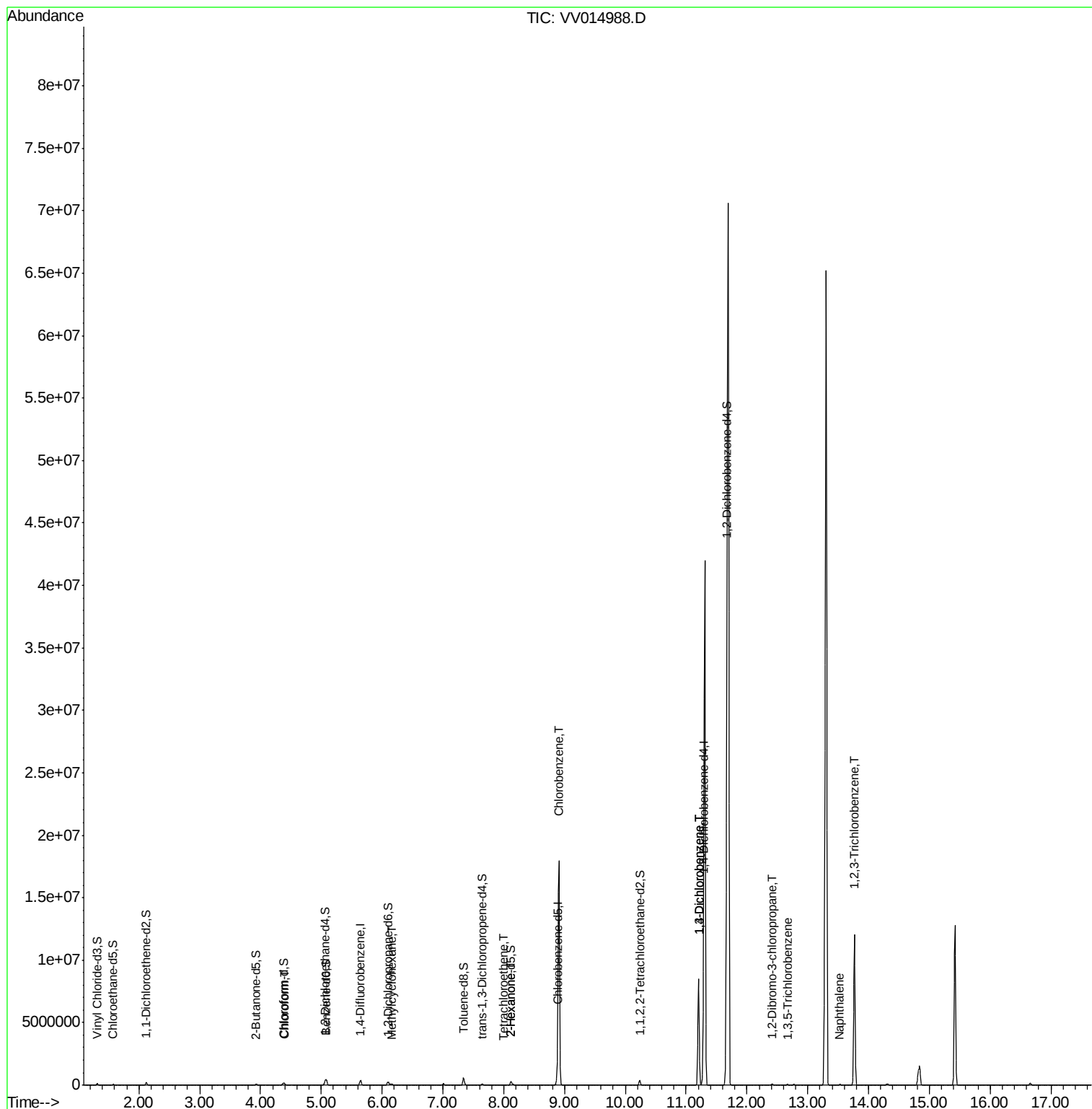
					Qvalue
25) Chloroform	4.41	83	7575	1.667 ug/L	97
35) Methylcyclohexane	6.15	83	27594	6.587 ug/L #	76
46) Tetrachloroethene	8.00	164	1640	0.676 ug/L	94
48) 2-Hexanone	8.12	43	14533	5.610 ug/L #	73
51) Chlorobenzene	8.91	112	9766024	1302.500 ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	3684116	525.877 ug/L	100
63) 1,4-Dichlorobenzene	11.21	146	3684116	522.049 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.41	75	16401	15.590 ug/L #	1
67) 1,3,5-Trichlorobenzene	12.67	180	16648	3.031 ug/L	98
69) Naphthalene	13.53	128	39710	6.314 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	3880585	800.752 ug/L	100

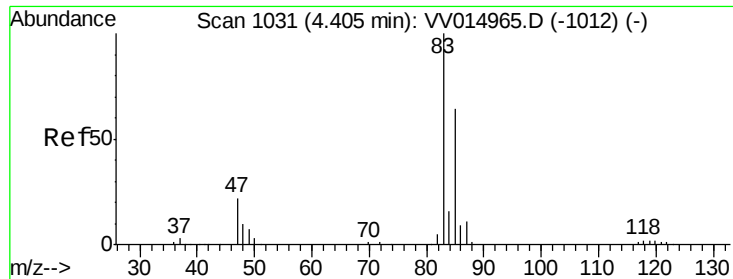
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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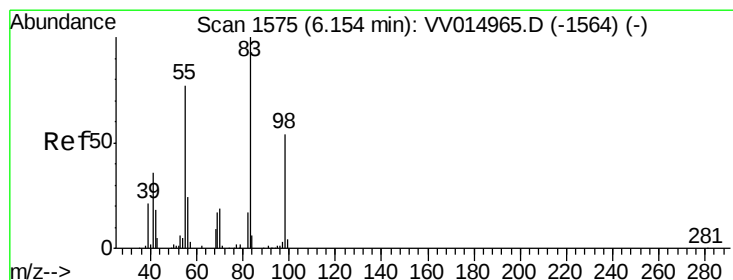
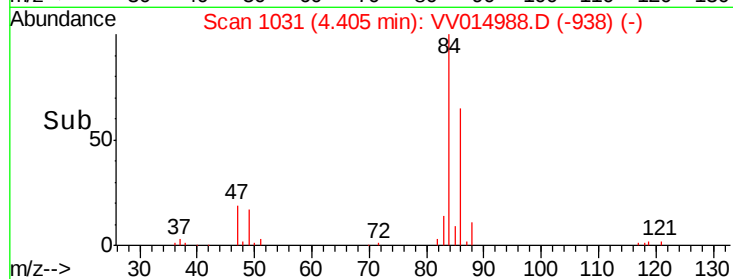
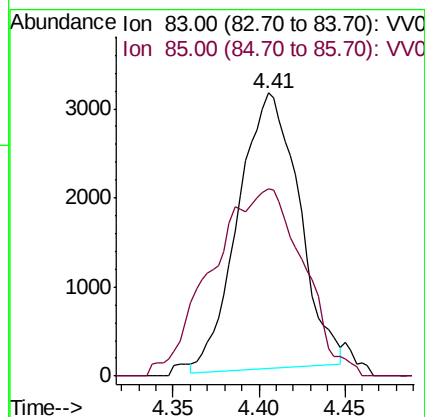
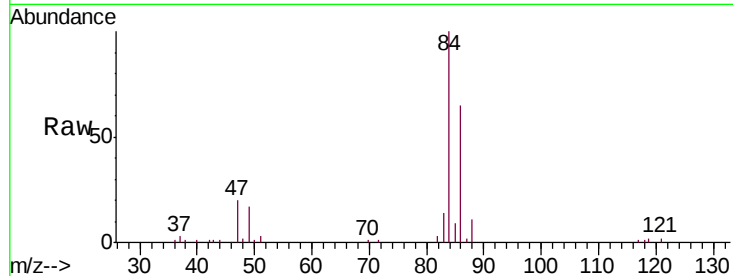




#25
Chloroform
Concen: 1.667 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV014988.D
Acq: 17 Mar 2020 21:02

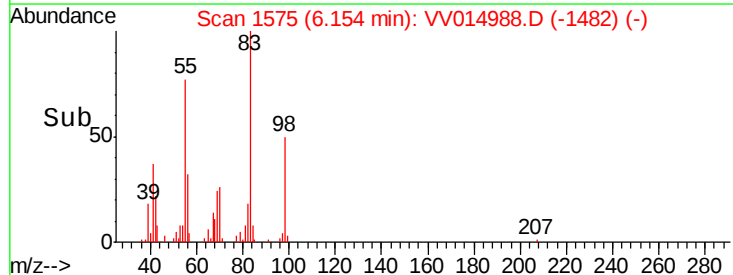
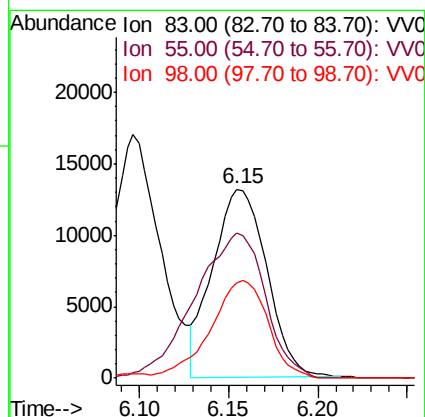
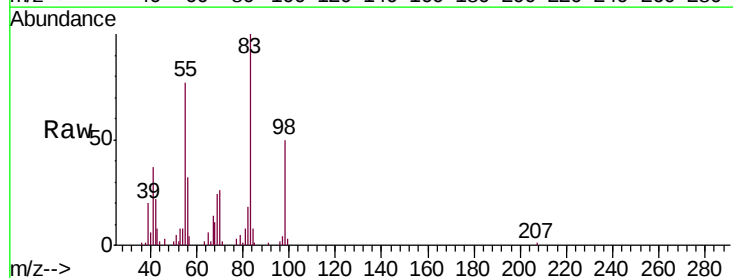
Instrument :
MSVOA_V
ClientSampled :
C0DB6

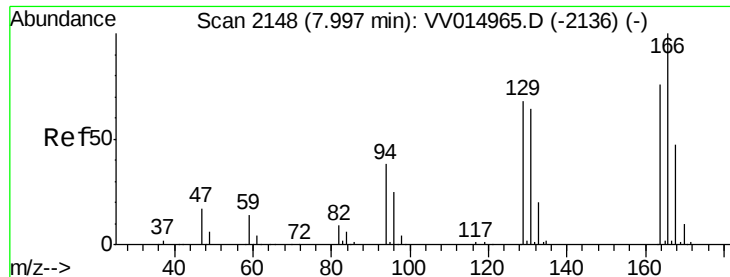
Tgt Ion: 83 Resp: 7575
Ion Ratio Lower Upper
83 100
85 66.2 44.6 82.8



#35
Methylcyclohexane
Concen: 6.587 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV014988.D
Acq: 17 Mar 2020 21:02

Tgt Ion: 83 Resp: 27594
Ion Ratio Lower Upper
83 100
55 100.8 57.5 86.3#
98 55.3 39.5 59.3





#46

Tetrachloroethene

Concen: 0.676 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV014988.D

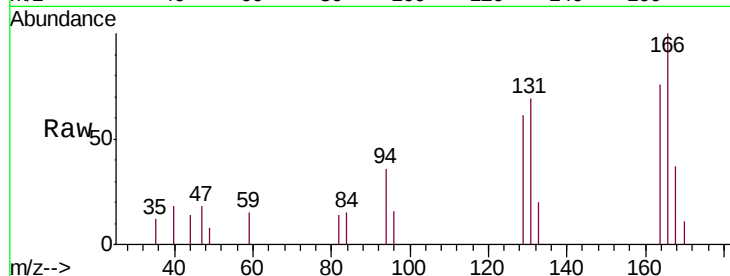
Acq: 17 Mar 2020 21:02

Instrument :

MSVOA_V

ClientSampleId :

C0DB6



Tgt Ion:164 Resp: 1640

Ion Ratio Lower Upper

164 100

129 80.2 62.0 115.2

131 90.2 59.5 110.5

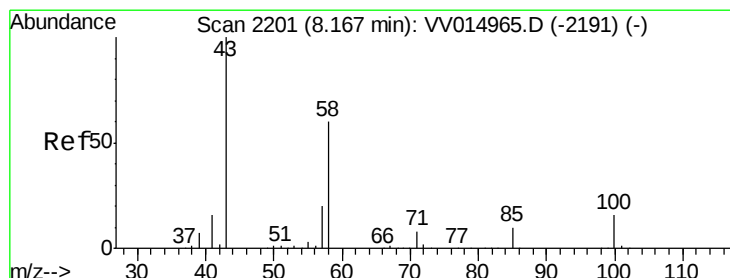
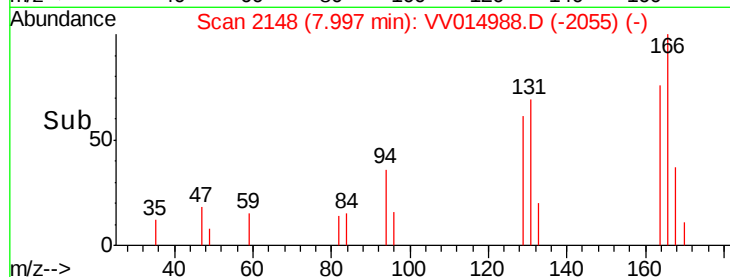
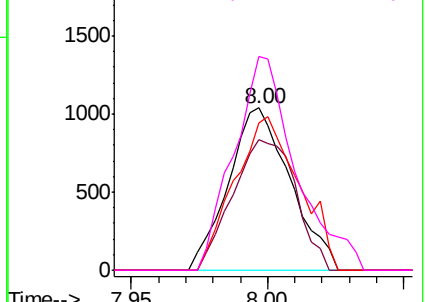
166 131.4 88.5 164.4

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.610 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV014988.D

Acq: 17 Mar 2020 21:02

Tgt Ion: 43 Resp: 14533

Ion Ratio Lower Upper

43 100

58 33.5 46.9 70.3#

57 20.0 16.2 24.4

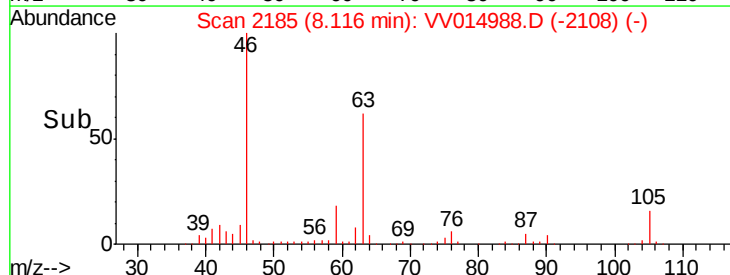
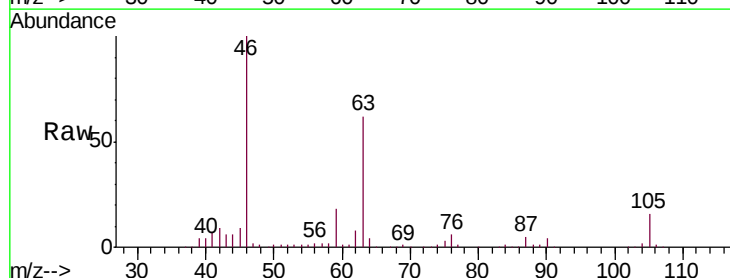
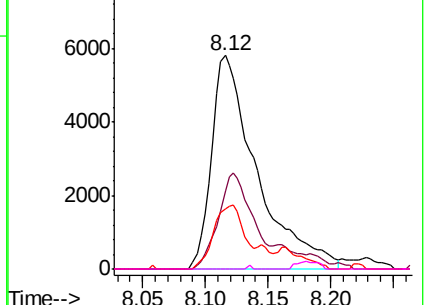
100 0.0 11.9 17.9#

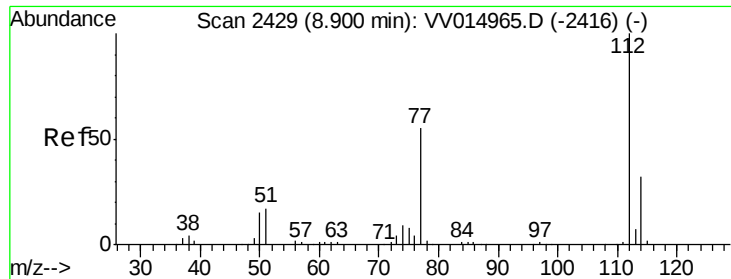
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

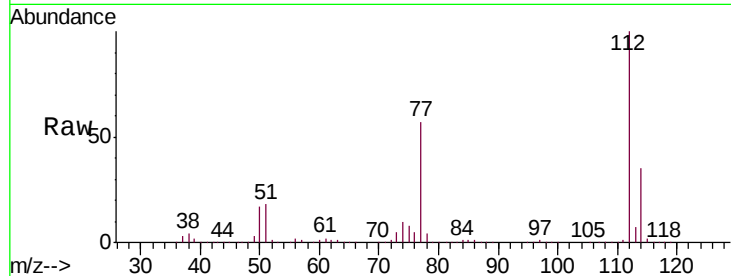




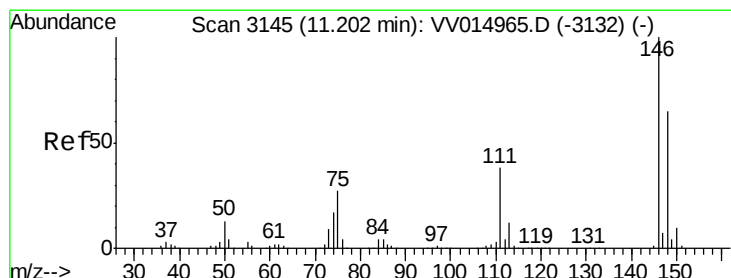
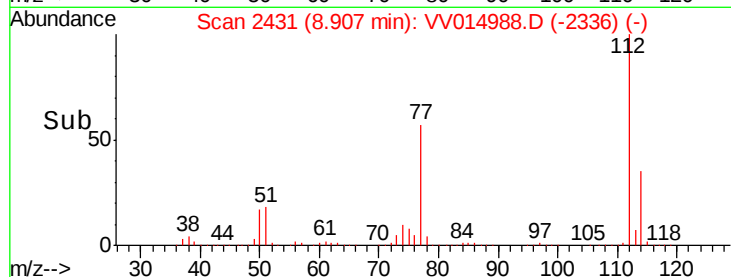
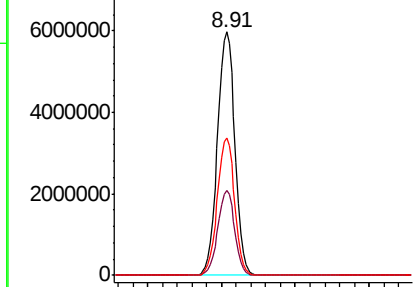
#51
Chlorobenzene
Concen: 1302.500 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VV014988.D
Acq: 17 Mar 2020 21:02

Instrument :
MSVOA_V
ClientSampleId :
C0DB6

Tgt Ion:112 Resp: 9766024
Ion Ratio Lower Upper
112 100
114 34.7 22.8 42.4
77 56.6 44.5 66.7

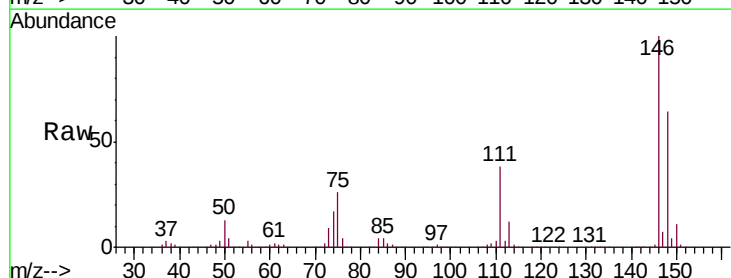


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

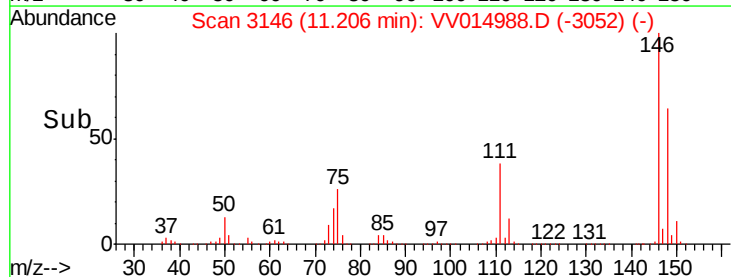
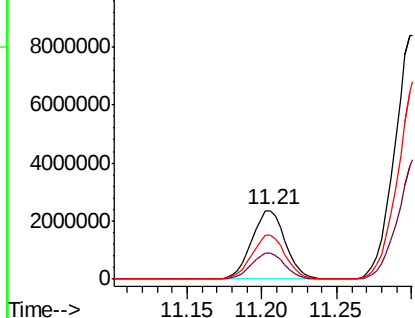


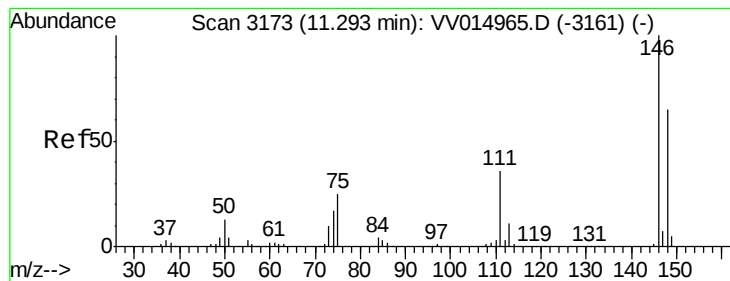
#62
1,3-Dichlorobenzene
Concen: 525.877 ug/L
RT: 11.21 min Scan# 3146
Delta R.T. 0.00 min
Lab File: VV014988.D
Acq: 17 Mar 2020 21:02

Tgt Ion:146 Resp: 3684116
Ion Ratio Lower Upper
146 100
111 37.7 26.5 49.3
148 64.5 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 522.049 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. -0.09 min

Lab File: VV014988.D

Acq: 17 Mar 2020 21:02

Instrument :

MSVOA_V

ClientSampled :

C0DB6

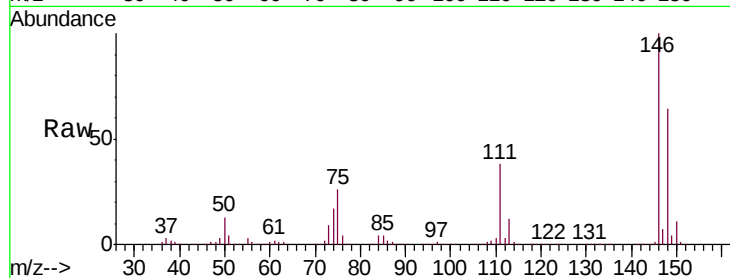
Tgt Ion:146 Resp: 3684116

Ion Ratio Lower Upper

146 100

111 37.7 26.0 48.2

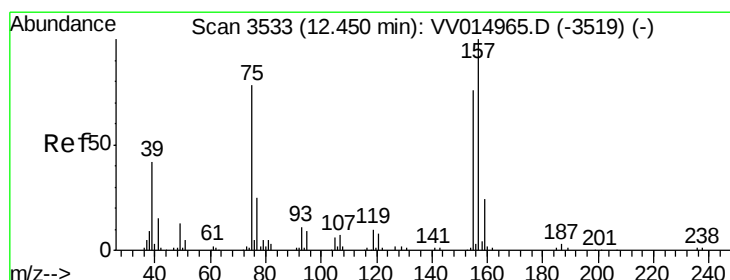
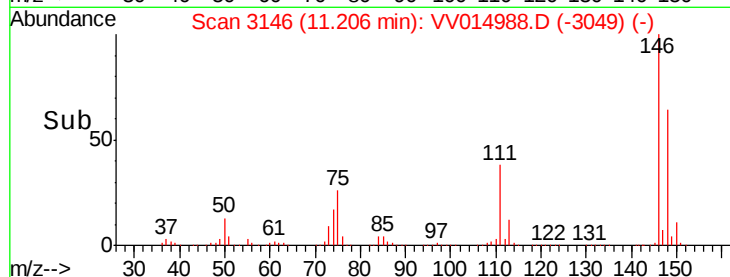
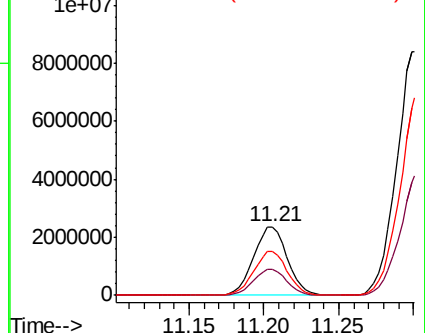
148 64.5 46.1 85.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 15.590 ug/L

RT: 12.41 min Scan# 3522

Delta R.T. -0.04 min

Lab File: VV014988.D

Acq: 17 Mar 2020 21:02

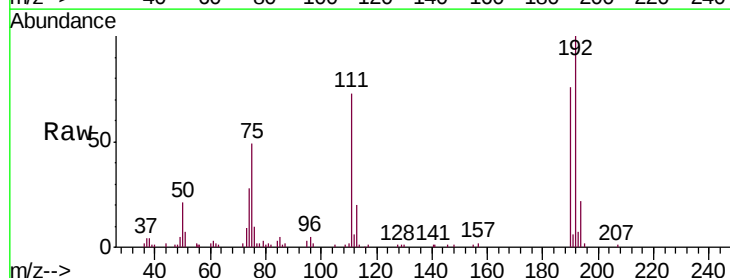
Tgt Ion: 75 Resp: 16401

Ion Ratio Lower Upper

75 100

155 3.0 77.7 116.5#

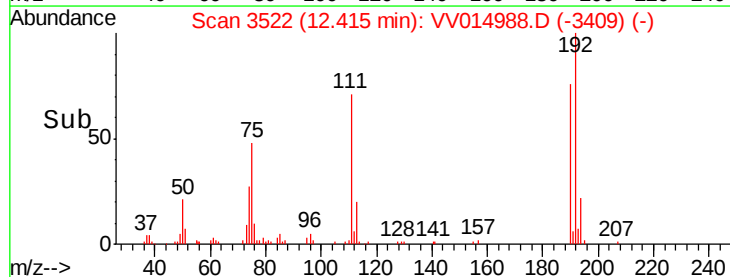
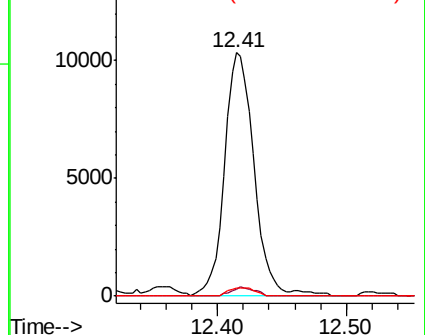
157 3.3 97.2 145.8#

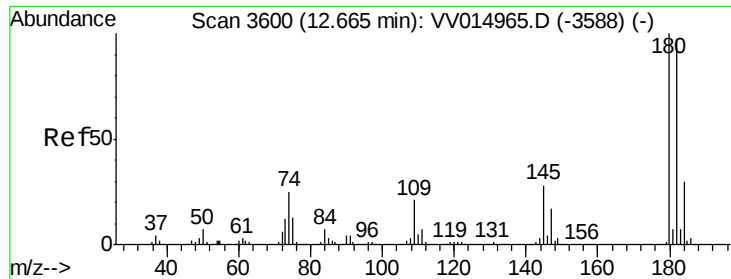


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

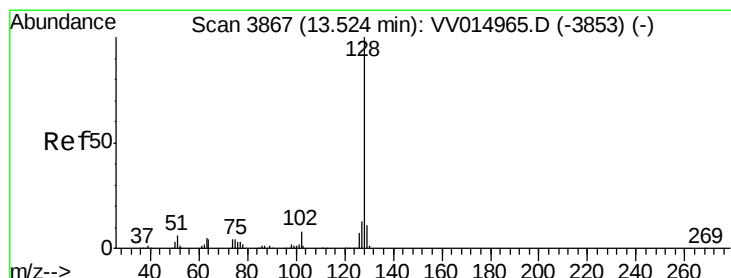
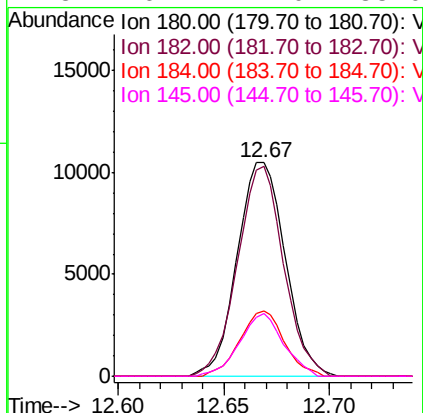
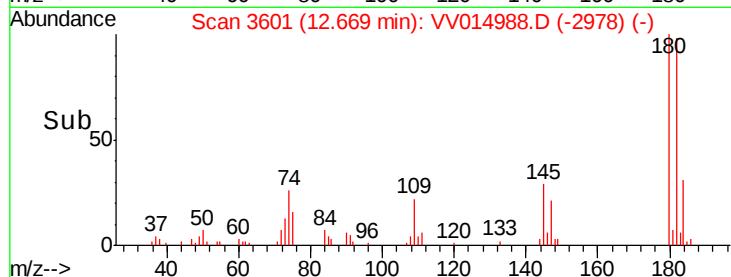
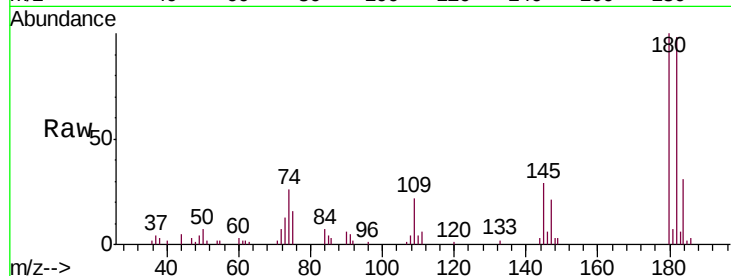




#67
 1,3,5-Trichlorobenzene
 Concen: 3.031 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV014988.D
 Acq: 17 Mar 2020 21:02

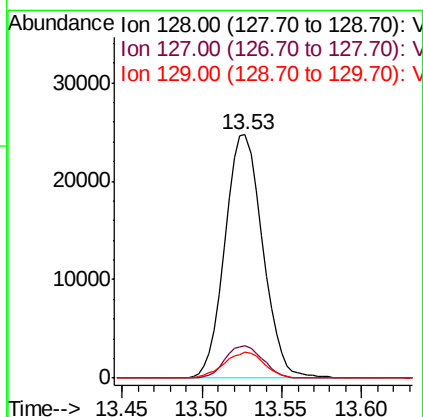
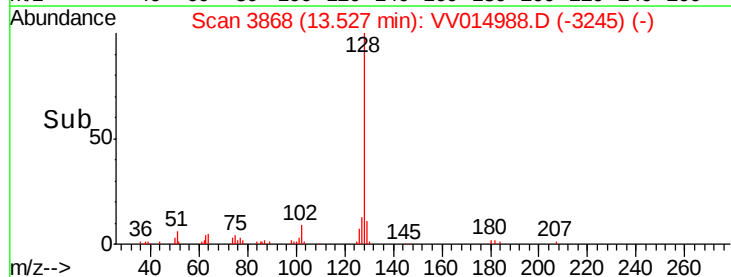
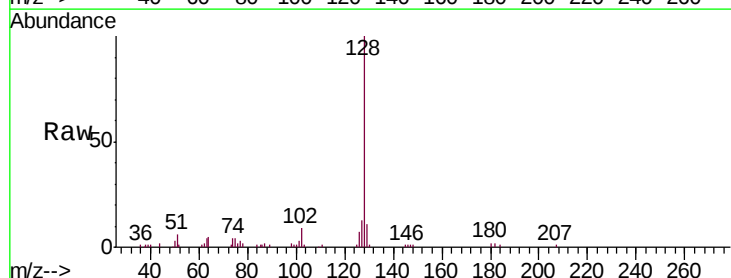
Instrument :
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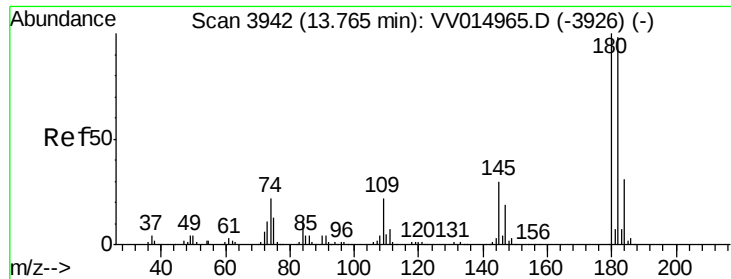
Tgt Ion:	180	Resp:	16648
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.7	113.5
184	28.1	24.2	36.4
145	26.7	22.0	33.0



#69
 Naphthalene
 Concen: 6.314 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV014988.D
 Acq: 17 Mar 2020 21:02

Tgt Ion:	128	Resp:	39710
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.2	8.6	13.0

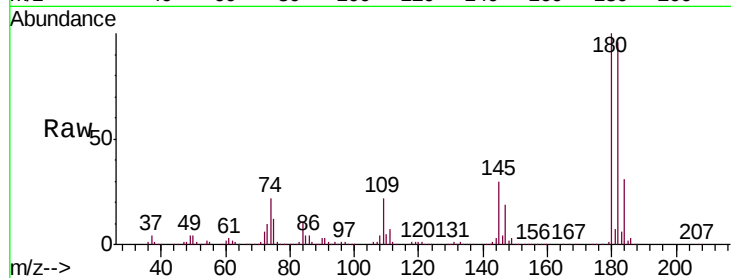




#70
 1,2,3-Trichlorobenzene
 Concen: 800.752 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV014988.D
 Acq: 17 Mar 2020 21:02

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB6

Tgt Ion:180 Resp: 3880585
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.4
 145 30.0 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

