

Data File : VV014970.D
Acq On : 17 Mar 2020 13:46
Operator : SY/MD
Sample : L1890-18DL 200X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DH5DL

Quant Time: Mar 18 05:24:15 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	338829	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327338	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167280	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81635	36.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.34%
7) Chloroethane-d5	1.58	69	68992	41.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.30%
11) 1,1-Dichloroethene-d2	2.12	63	109445	31.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.20%
21) 2-Butanone-d5	3.93	46	115426	83.86	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.86%
24) Chloroform-d	4.38	84	207112	44.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.08%
26) 1,2-Dichloroethane-d4	5.06	65	139118	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
32) Benzene-d6	5.08	84	421335	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
36) 1,2-Dichloropropane-d6	6.10	67	125483	46.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.46%
41) Toluene-d8	7.34	98	410667	46.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.10%
43) trans-1,3-Dichloropropene-	7.64	79	61717	43.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.46%
47) 2-Hexanone-d5	8.12	63	118126	97.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.45%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	184916	47.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	178586	48.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.48%

Target Compounds

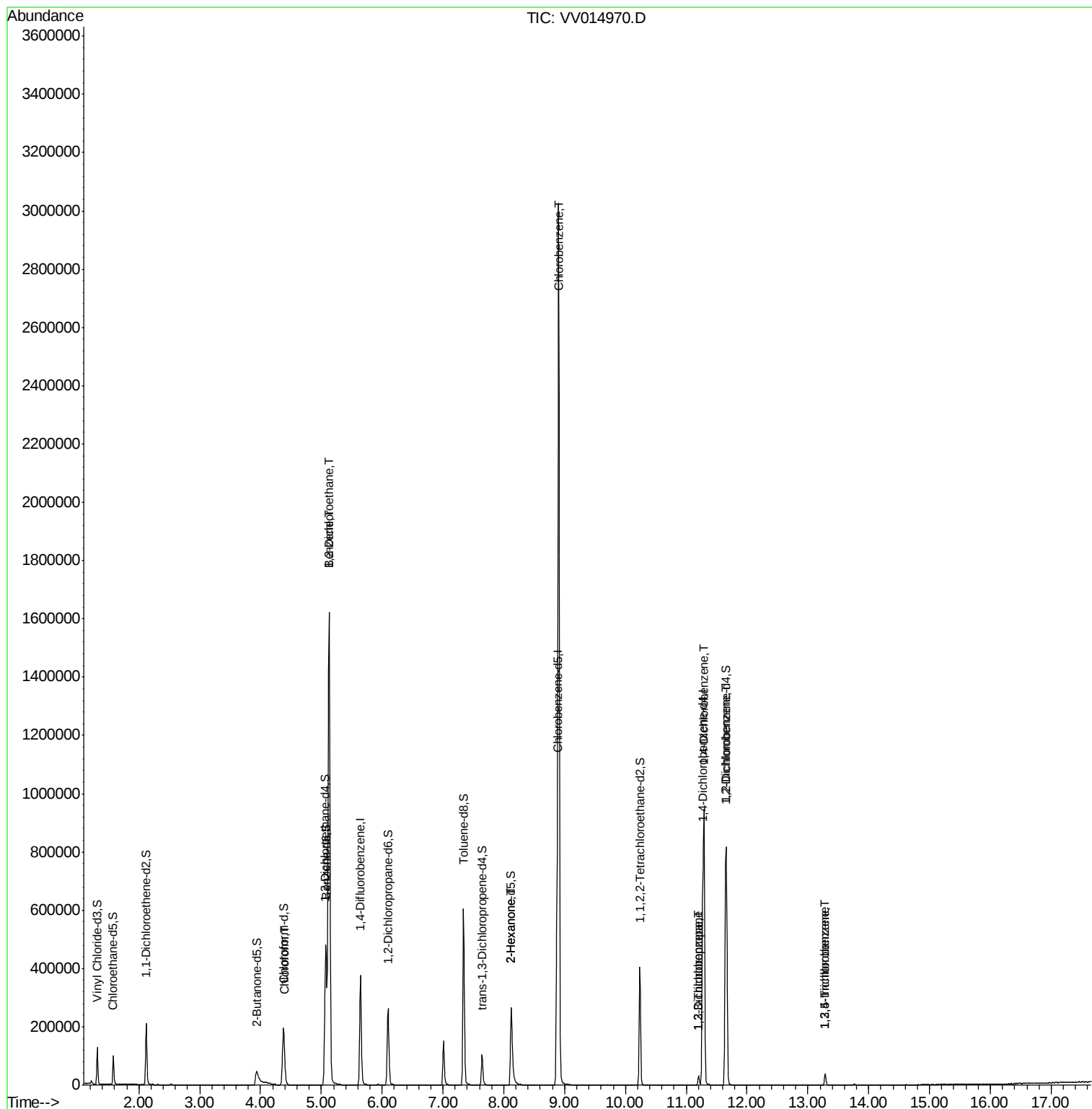
					Qvalue
25) Chloroform	4.40	83	3470	0.782 ug/L	79
27) 1,2-Dichloroethane	5.13	62	14933	4.467 ug/L #	75
33) Benzene	5.13	78	1664486	186.870 ug/L	100
48) 2-Hexanone	8.12	43	15162	6.358 ug/L #	69
51) Chlorobenzene	8.90	112	1660281	240.552 ug/L	99
59) 1,2,3-Trichloropropane	11.21	75	3898	1.274 ug/L #	41
62) 1,3-Dichlorobenzene	11.20	146	14421	2.616 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	383856	69.127 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	246719	44.805 ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	13604	3.148 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	13604	3.531 ug/L	98

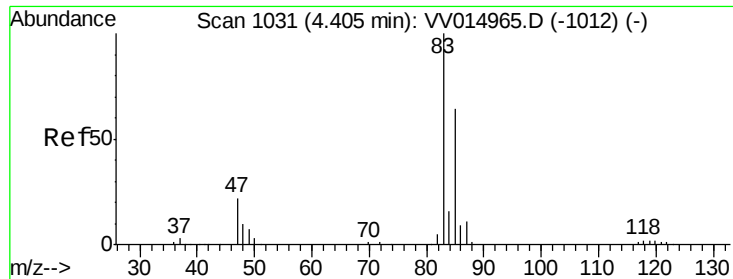
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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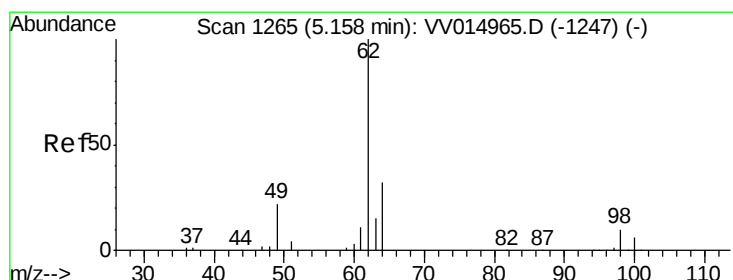
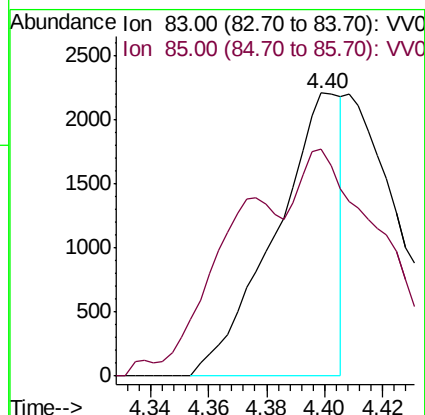
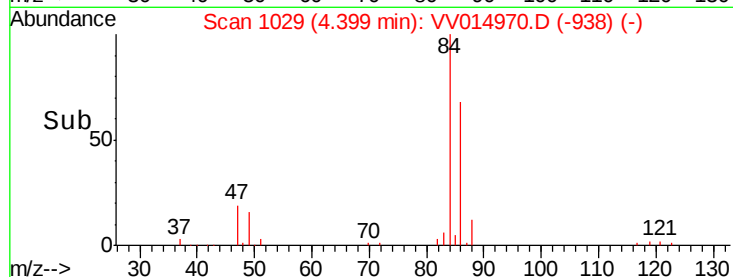
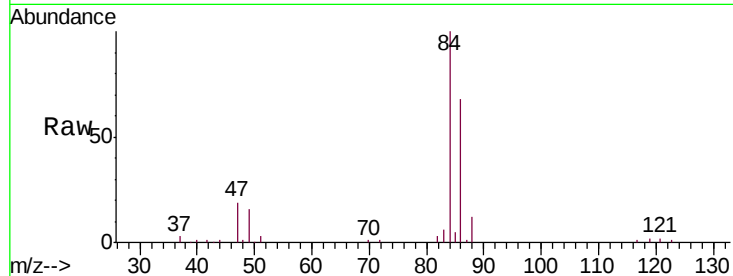




#25
Chloroform
Concen: 0.782 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV014970.D
Acq: 17 Mar 2020 13:46

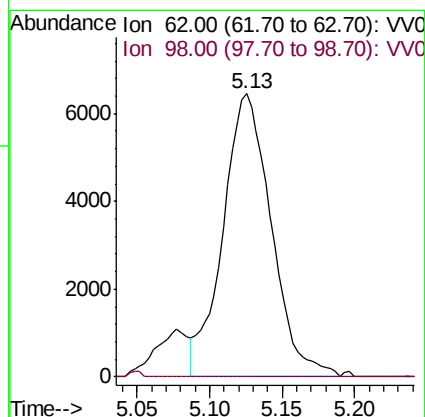
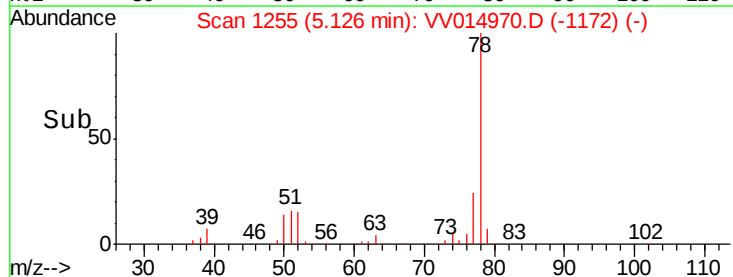
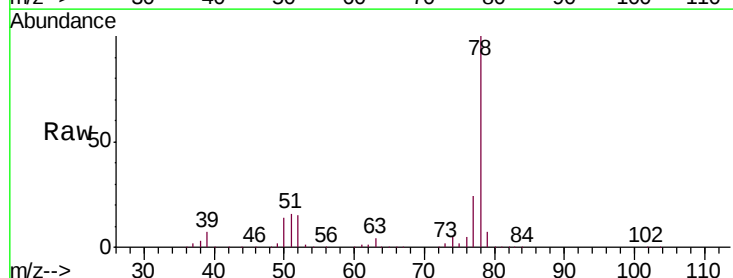
Instrument :
MSVOA_V
ClientSampleId :
C0DH5DL

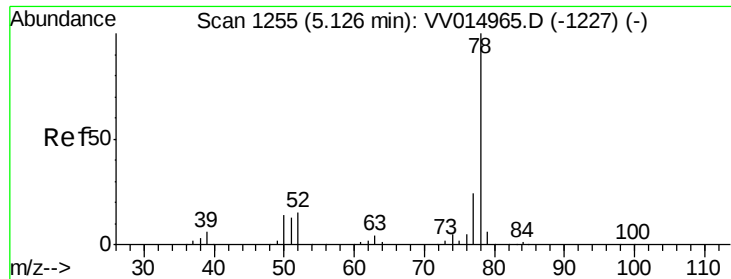
Tgt Ion: 83 Resp: 3470
Ion Ratio Lower Upper
83 100
85 80.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.467 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.03 min
Lab File: VV014970.D
Acq: 17 Mar 2020 13:46

Tgt Ion: 62 Resp: 14933
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#





#33

Benzene

Concen: 186.870 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV014970.D

Acq: 17 Mar 2020 13:46

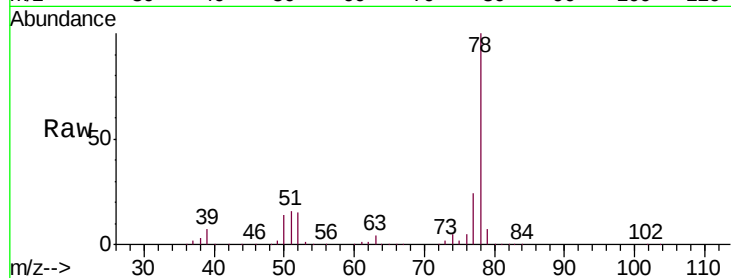
Instrument :

MSVOA_V

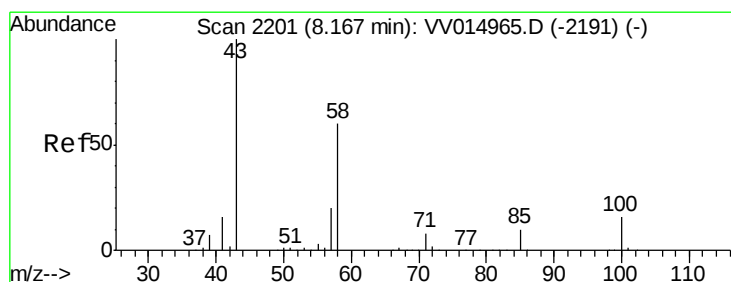
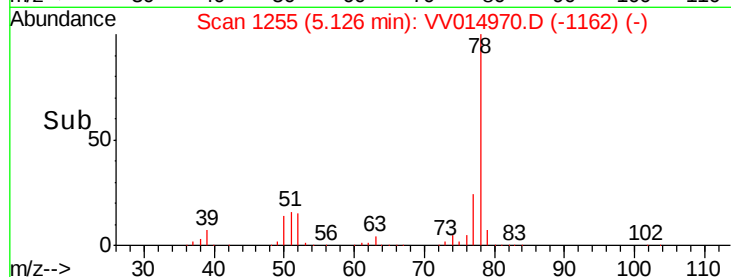
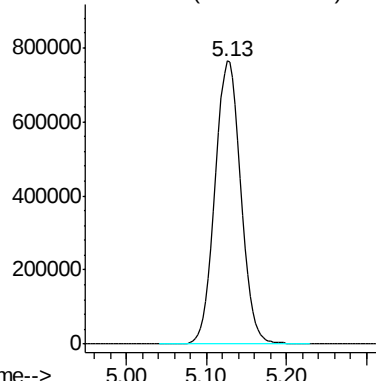
ClientSampleId :

C0DH5DL

Tgt Ion: 78 Resp: 1664486



Abundance Ion 78.00 (77.70 to 78.70): VV0



#48

2-Hexanone

Concen: 6.358 ug/L

RT: 8.12 min Scan# 2187

Delta R.T. -0.05 min

Lab File: VV014970.D

Acq: 17 Mar 2020 13:46

Tgt Ion: 43 Resp: 15162

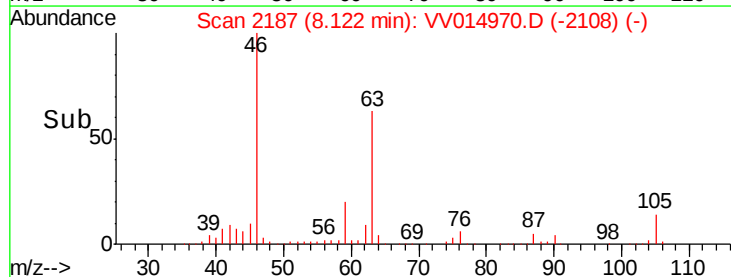
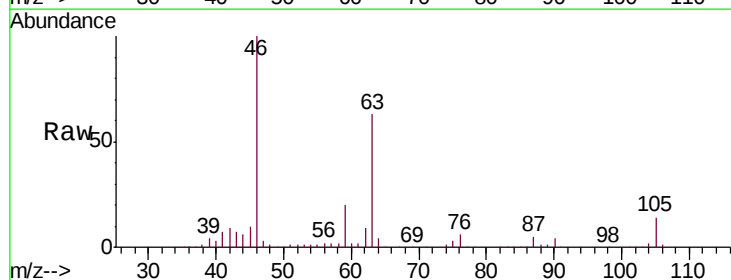
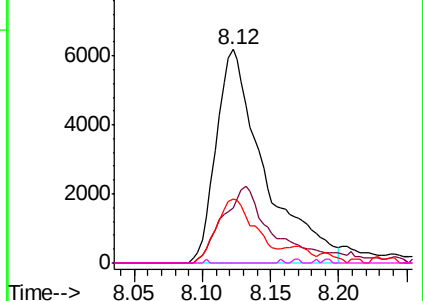
Ion	Ratio	Lower	Upper
43	100		
58	30.4	46.9	70.3#
57	24.2	16.2	24.4
100	0.3	11.9	17.9#

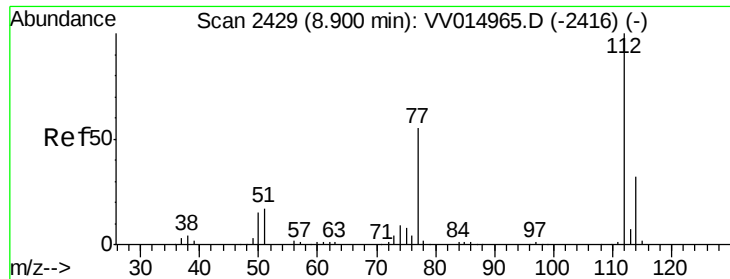
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 240.552 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014970.D

Acq: 17 Mar 2020 13:46

Instrument :

MSVOA_V

ClientSampleId :

C0DH5DL

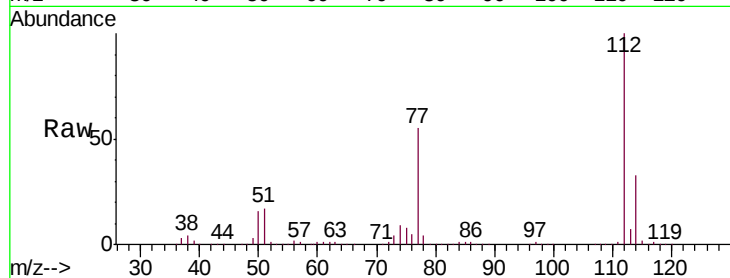
Tgt Ion:112 Resp: 1660281

Ion Ratio Lower Upper

112 100

114 32.5 22.8 42.4

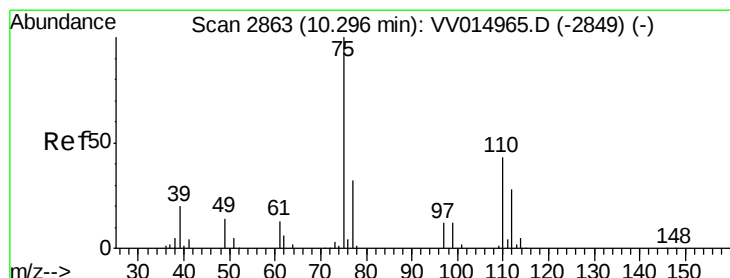
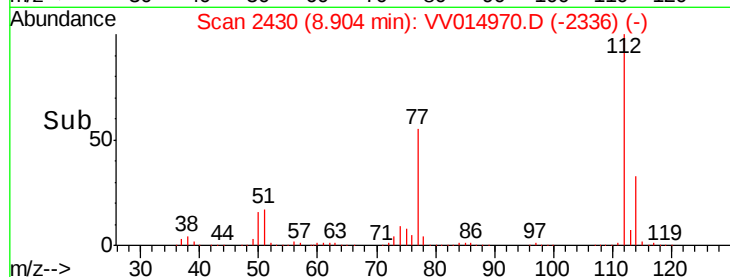
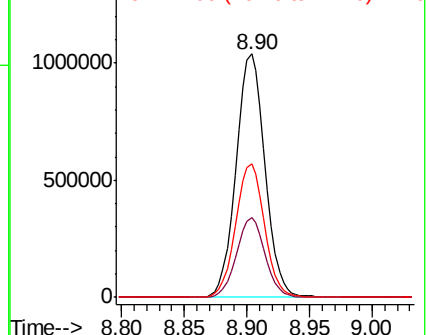
77 54.6 44.5 66.7



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



#59

1,2,3-Trichloropropane

Concen: 1.274 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.91 min

Lab File: VV014970.D

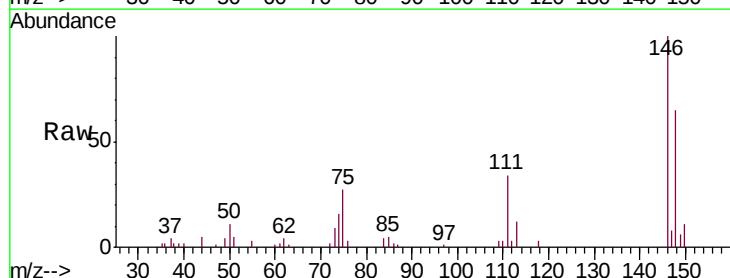
Acq: 17 Mar 2020 13:46

Tgt Ion: 75 Resp: 3898

Ion Ratio Lower Upper

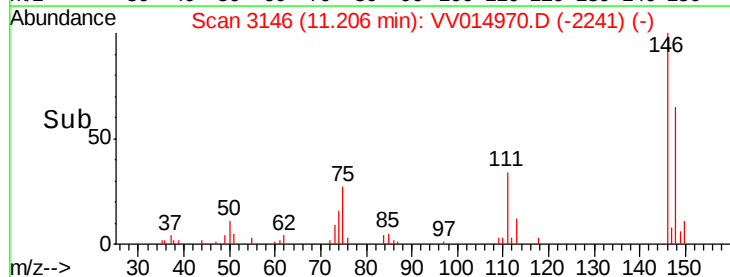
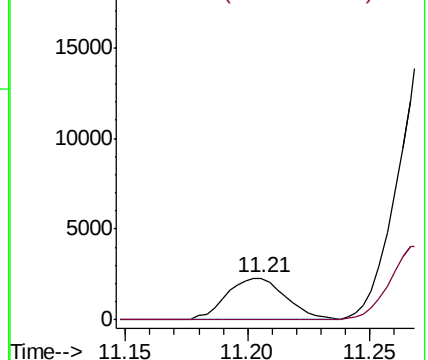
75 100

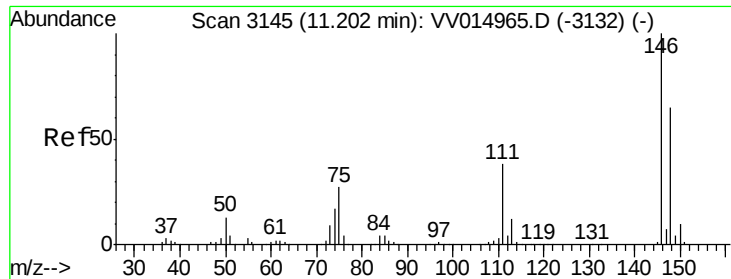
77 0.0 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.616 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014970.D

Acq: 17 Mar 2020 13:46

Instrument :

MSVOA_V

ClientSampleId :

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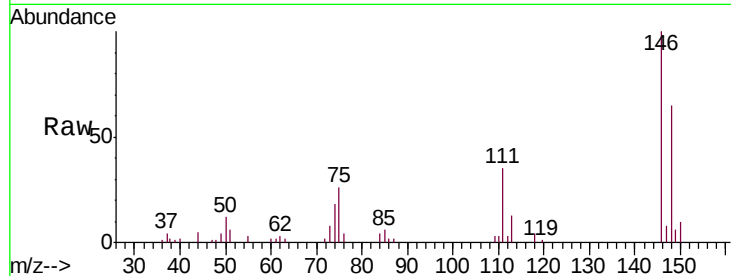
Tgt Ion:146 Resp: 14421

Ion Ratio Lower Upper

146 100

111 35.2 26.5 49.3

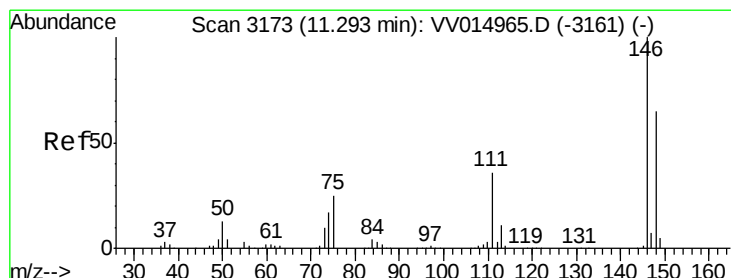
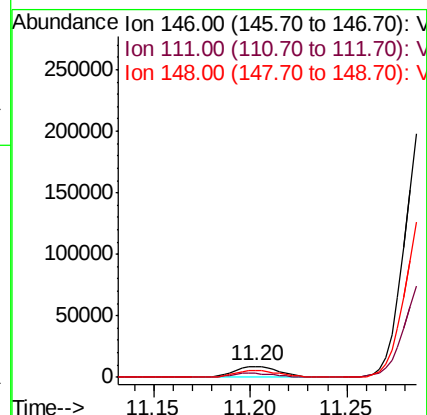
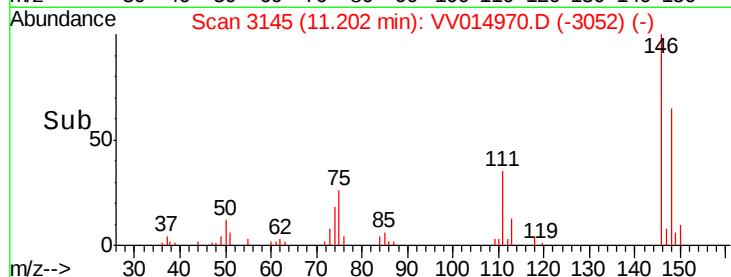
148 65.1 45.4 84.2



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: 69.127 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014970.D

Acq: 17 Mar 2020 13:46

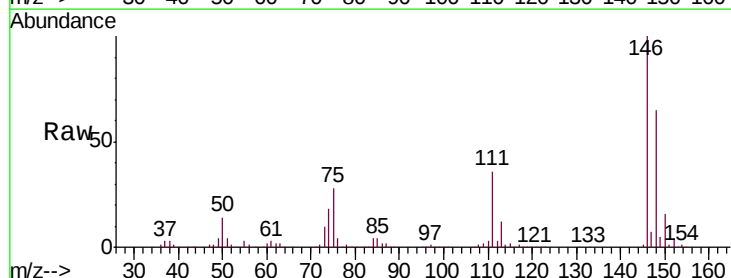
Tgt Ion:146 Resp: 383856

Ion Ratio Lower Upper

146 100

111 36.5 26.0 48.2

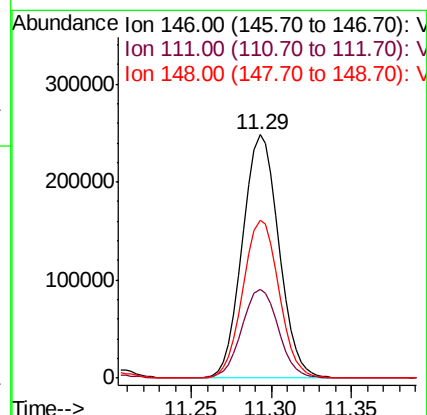
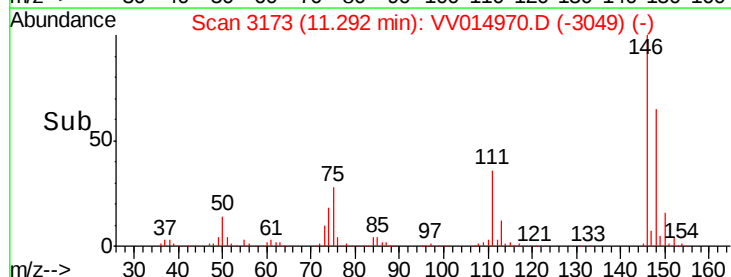
148 65.1 46.1 85.5

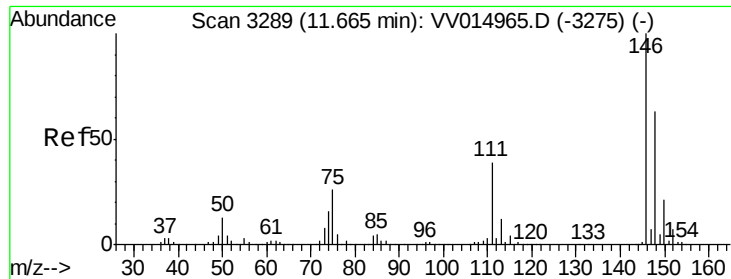


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

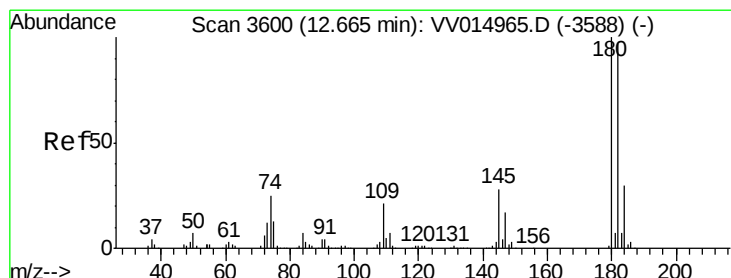
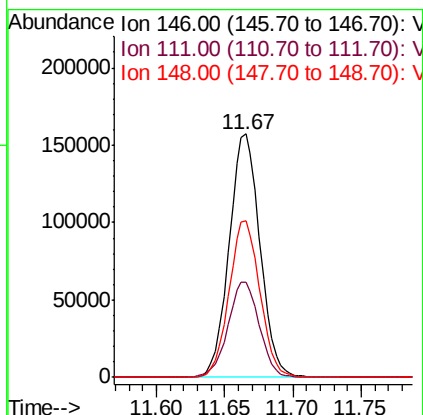
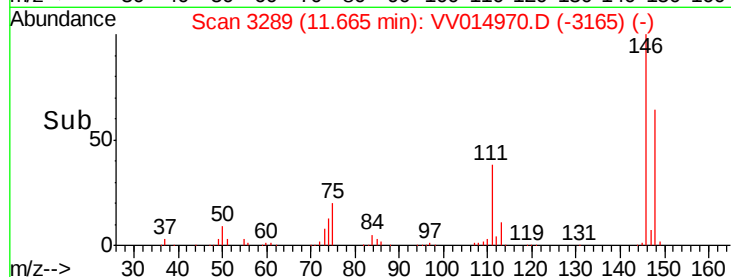
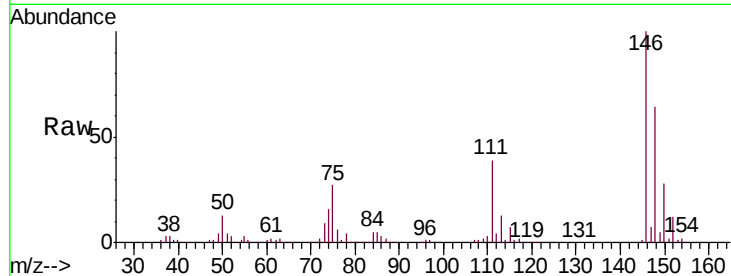




#65
 1,2-Dichlorobenzene
 Concen: 44.805 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV014970.D
 Acq: 17 Mar 2020 13:46

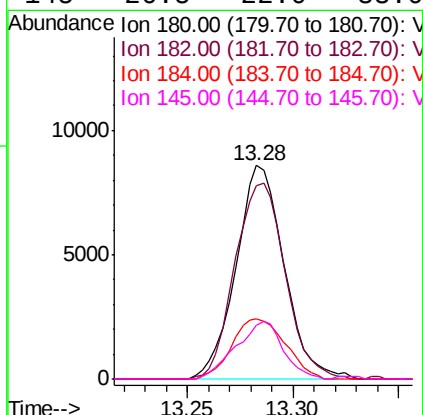
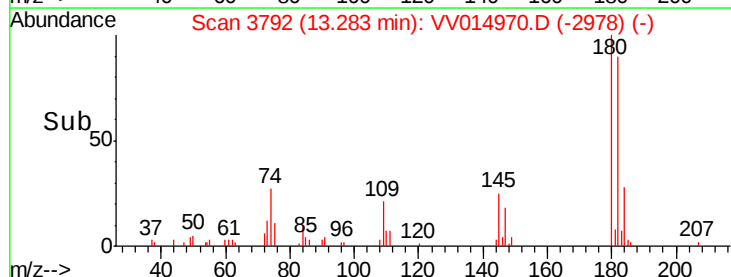
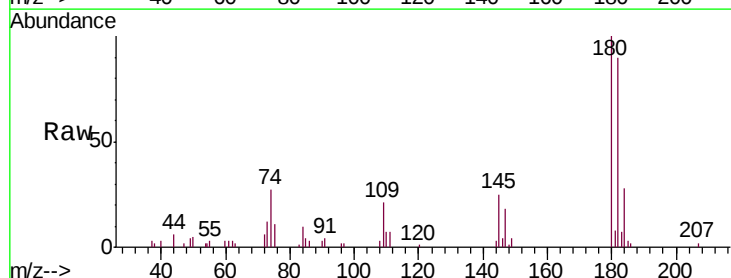
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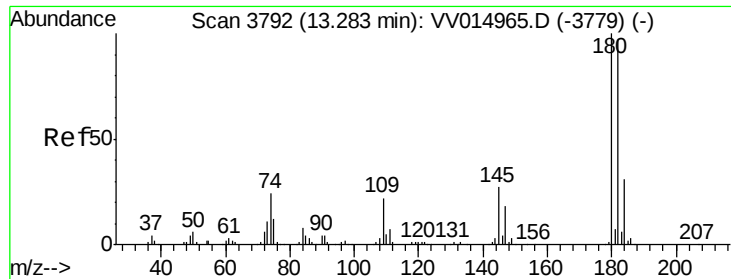
Tgt Ion:146 Resp: 246719
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.6 47.4
 148 64.2 52.2 78.4



#67
 1,3,5-Trichlorobenzene
 Concen: 3.148 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014970.D
 Acq: 17 Mar 2020 13:46

Tgt Ion:180 Resp: 13604
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.7 113.5
 184 31.3 24.2 36.4
 145 26.5 22.0 33.0





#68
 1,2,4-trichlorobenzene
 Concen: 3.531 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV014970.D
 Acq: 17 Mar 2020 13:46

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH5DL

Tgt Ion:180 Resp: 13604
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.3 114.5
 145 26.5 23.1 34.7

