

Data File : VV014992.D
Acq On : 17 Mar 2020 23:09
Operator : SY/MD
Sample : L1890-18DL2 1000X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DH5DL2

Quant Time: Mar 18 07:45:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 07:43:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	332315	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	320031	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153592	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76387	34.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.00%
7) Chloroethane-d5	1.58	69	64589	39.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.56%
11) 1,1-Dichloroethene-d2	2.12	63	103192	30.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.76%
21) 2-Butanone-d5	3.94	46	103047	76.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.34%
24) Chloroform-d	4.38	84	201668	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.44%
26) 1,2-Dichloroethane-d4	5.06	65	136768	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
32) Benzene-d6	5.08	84	407687	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	6.10	67	121723	46.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.72%
41) Toluene-d8	7.34	98	392892	45.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.12%
43) trans-1,3-Dichloropropene-	7.64	79	58935	42.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.44%
47) 2-Hexanone-d5	8.12	63	114831	96.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	181918	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	170760	50.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.50%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1146	0.669 ug/L #	15
25) Chloroform	4.41	83	5795	1.332 ug/L	80
33) Benzene	5.13	78	339664	39.004 ug/L	100
37) 1,2-Dichloropropane	6.10	63	13516	6.194 ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	3548	0.989 ug/L #	61
48) 2-Hexanone	8.13	43	14778	6.339 ug/L #	79
51) Chlorobenzene	8.90	112	332692	49.303 ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	4022	0.795 ug/L	94
63) 1,4-Dichlorobenzene	11.29	146	84669	16.607 ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	55248	10.927 ug/L	100
67) 1,3,5-Trichlorobenzene	13.28	180	11378	2.867 ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	11378	3.217 ug/L	99

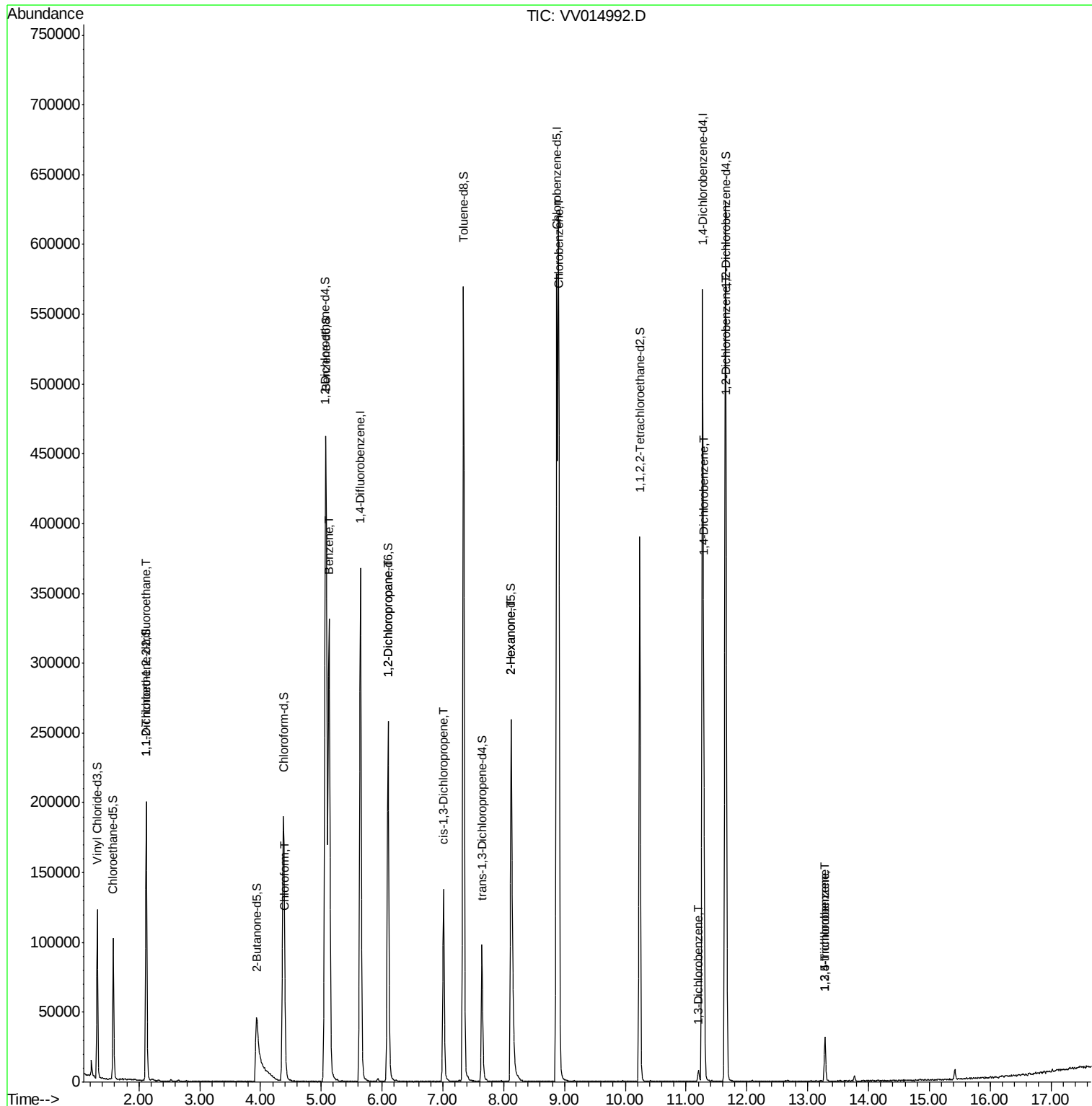
(#) = qualifier out of range (m) = manual integration (+) = signals summed

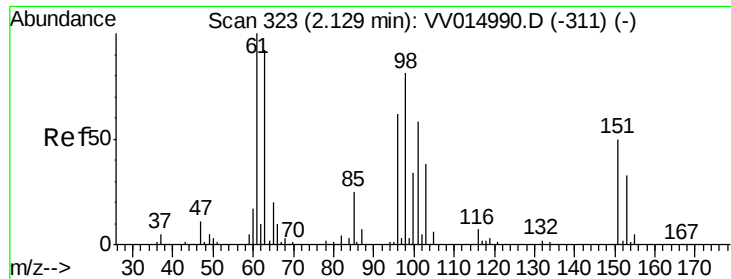
Data File : VV014992.D

```
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.669 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

C0DH5DL2

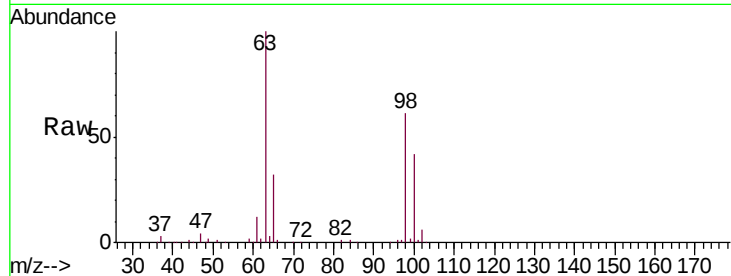
Tgt Ion:101 Resp: 1146

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

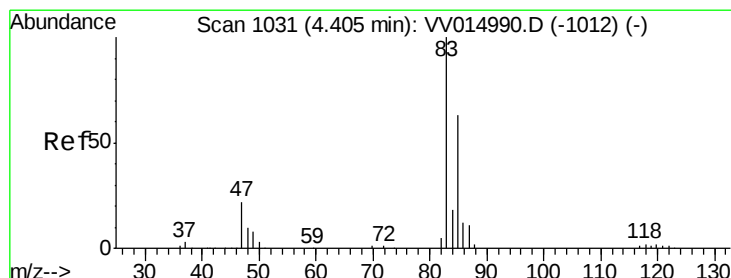
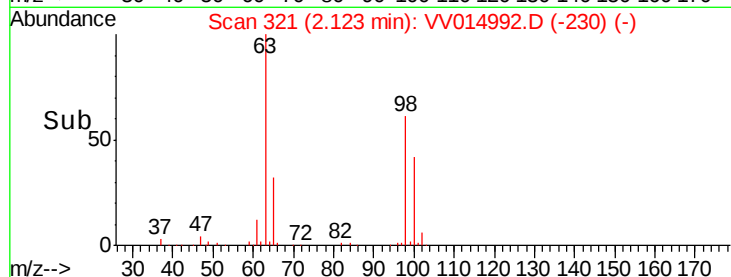
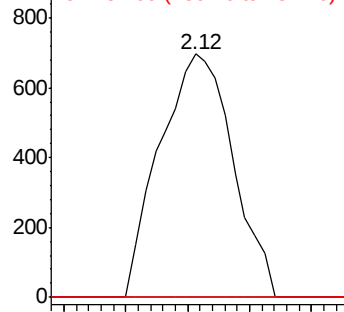
151 0.0 70.1 105.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#25

Chloroform

Concen: 1.332 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VV014992.D

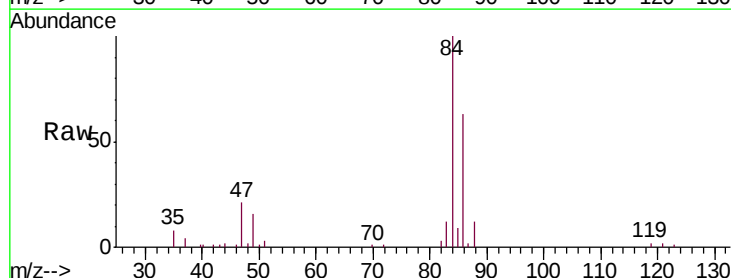
Acq: 17 Mar 2020 23:09

Tgt Ion: 83 Resp: 5795

Ion Ratio Lower Upper

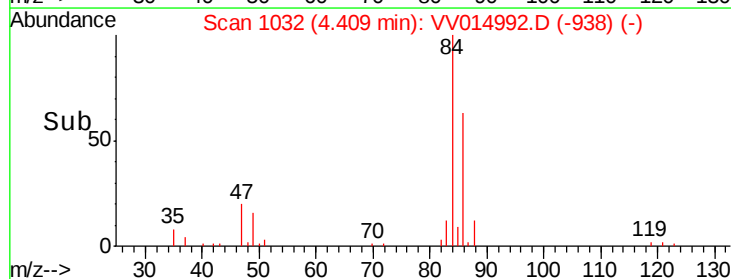
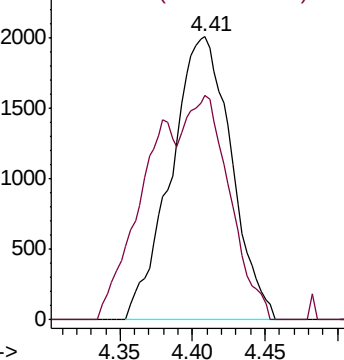
83 100

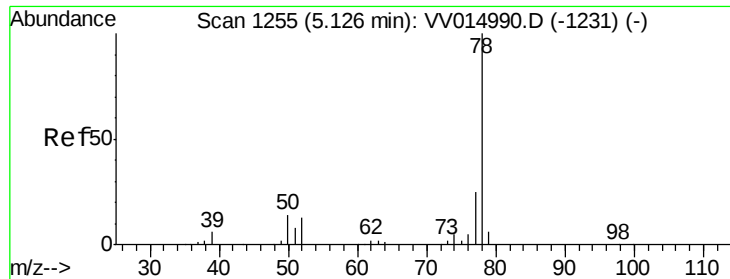
85 79.3 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 39.004 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014992.D

Acq: 17 Mar 2020 23:09

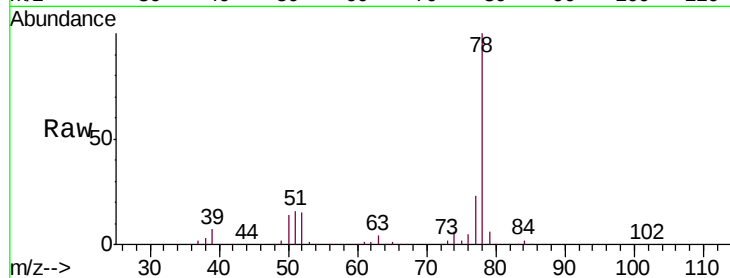
Instrument :

MSVOA_V

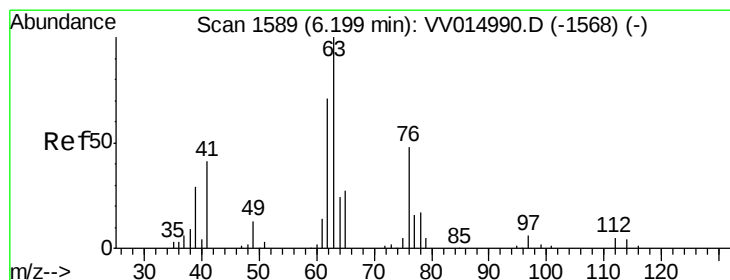
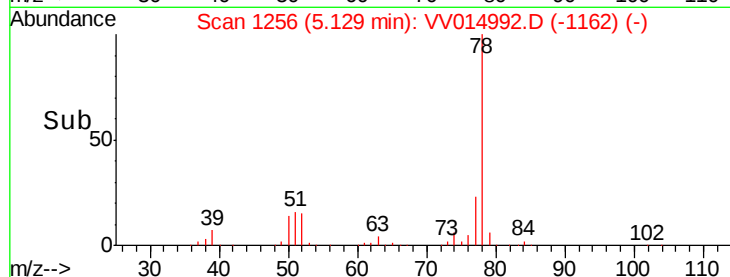
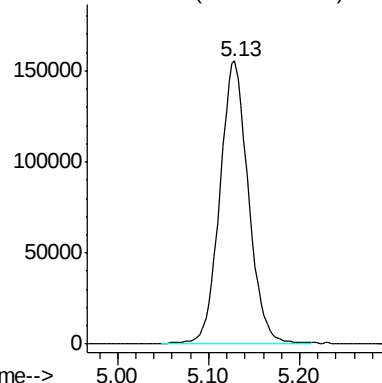
ClientSampleId :

C0DH5DL2

Tgt Ion: 78 Resp: 339664



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 6.194 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV014992.D

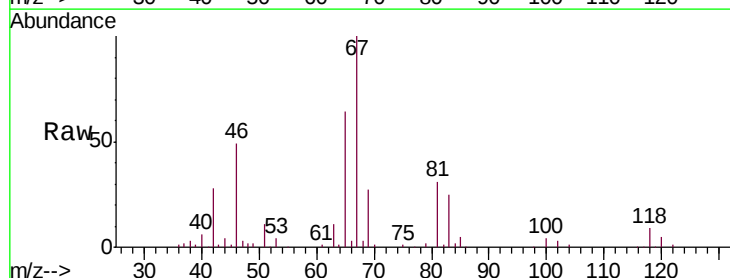
Acq: 17 Mar 2020 23:09

Tgt Ion: 63 Resp: 13516

Ion Ratio Lower Upper

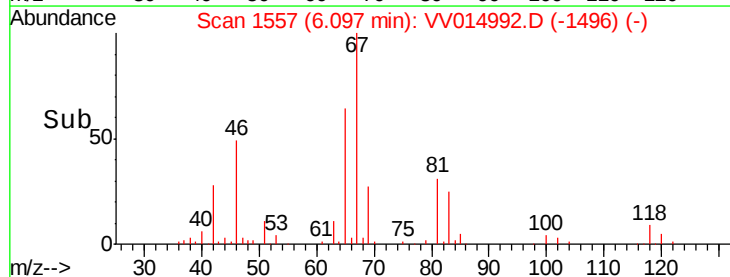
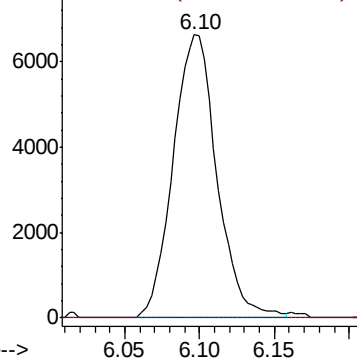
63 100

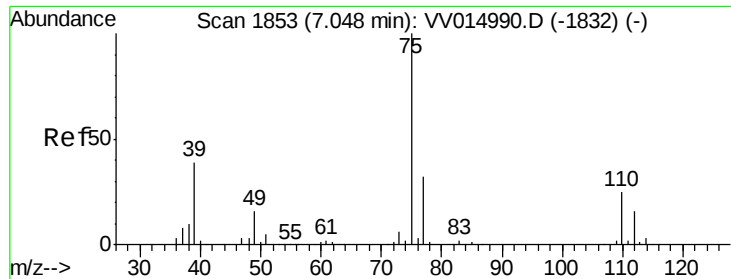
112 0.0 4.4 6.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

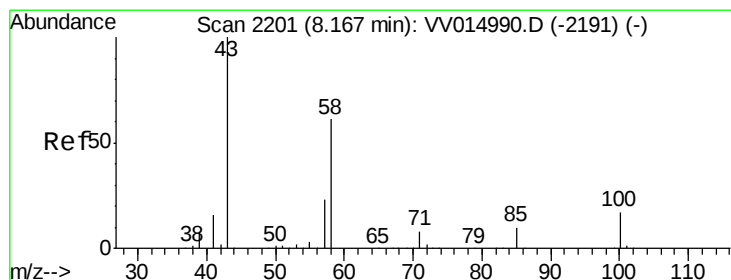
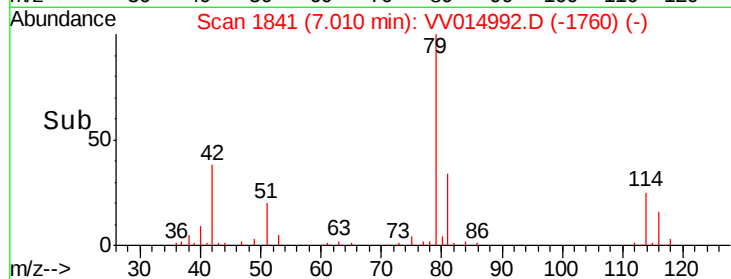
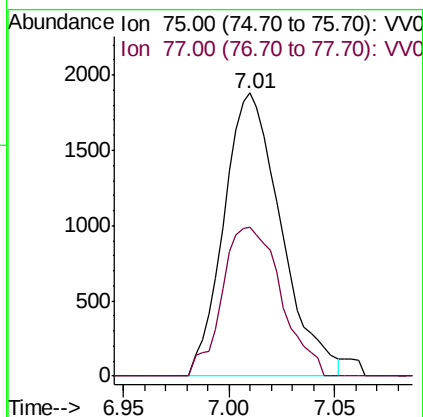
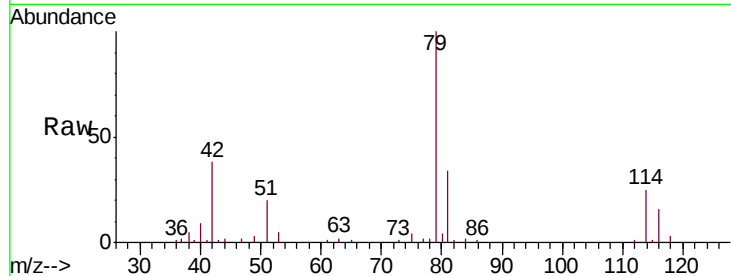




#39
 cis-1,3-Dichloropropene
 Concen: 0.989 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV014992.D
 Acq: 17 Mar 2020 23:09

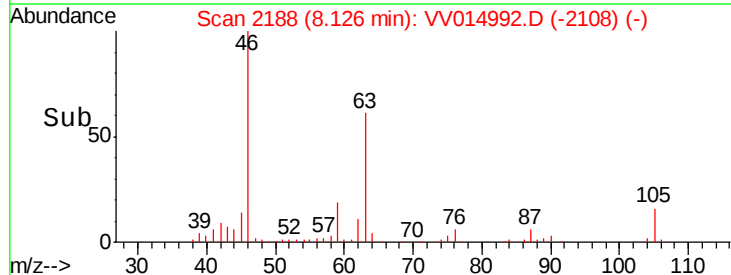
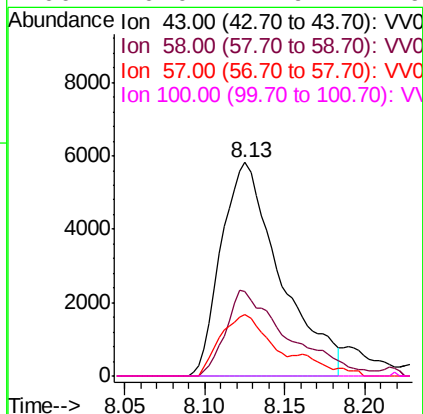
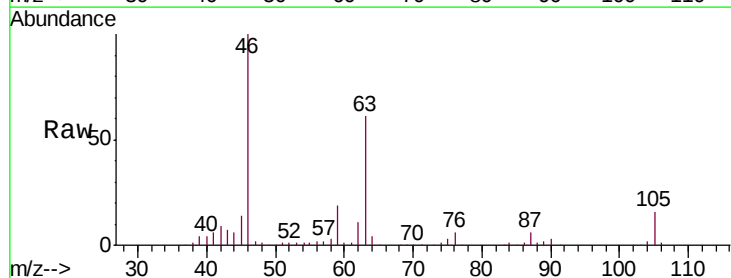
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH5DL2

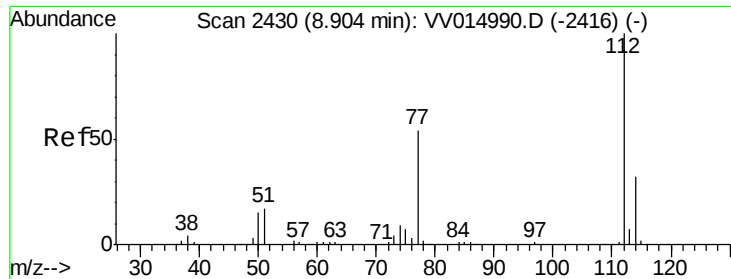
Tgt Ion: 75 Resp: 3548
 Ion Ratio Lower Upper
 75 100
 77 52.4 21.8 40.6#



#48
 2-Hexanone
 Concen: 6.339 ug/L
 RT: 8.13 min Scan# 2188
 Delta R.T. -0.04 min
 Lab File: VV014992.D
 Acq: 17 Mar 2020 23:09

Tgt Ion: 43 Resp: 14778
 Ion Ratio Lower Upper
 43 100
 58 42.1 46.9 70.3#
 57 23.2 16.2 24.4
 100 0.0 11.9 17.9#





#51

Chlorobenzene

Concen: 49.303 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014992.D

Acq: 17 Mar 2020 23:09

Instrument :

MSVOA_V

ClientSampleId :

C0DH5DL2

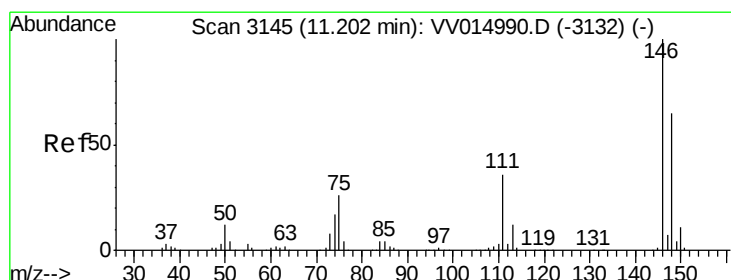
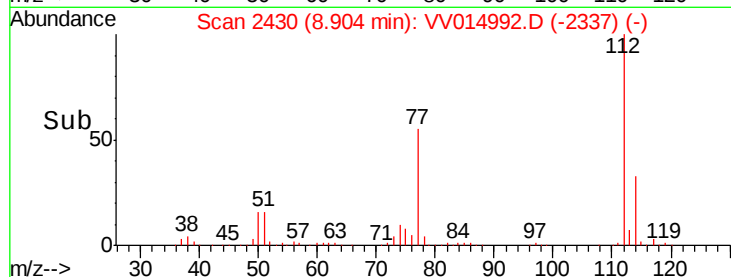
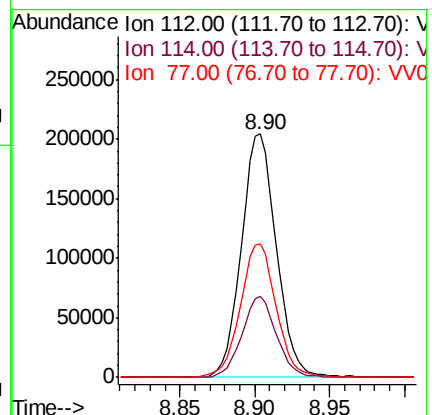
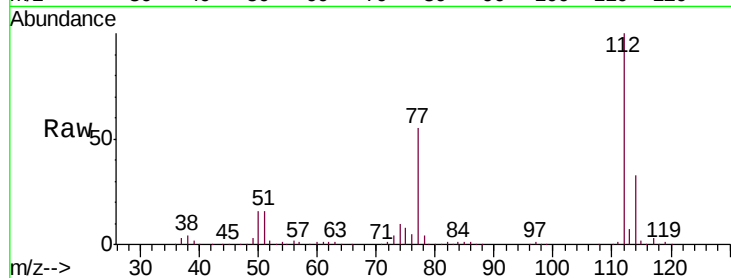
Tgt Ion:112 Resp: 332692

Ion Ratio Lower Upper

112 100

114 33.3 22.8 42.4

77 54.8 44.5 66.7



#62

1,3-Dichlorobenzene

Concen: 0.795 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV014992.D

Acq: 17 Mar 2020 23:09

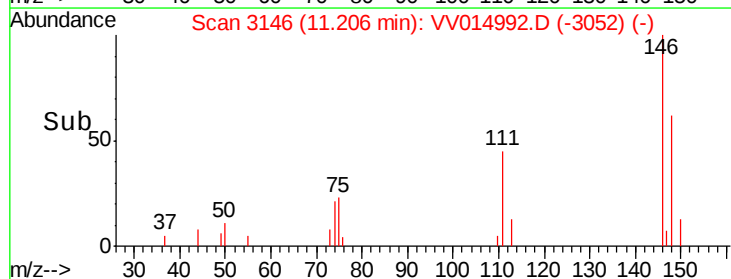
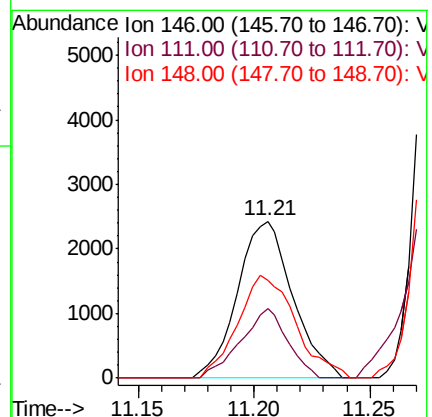
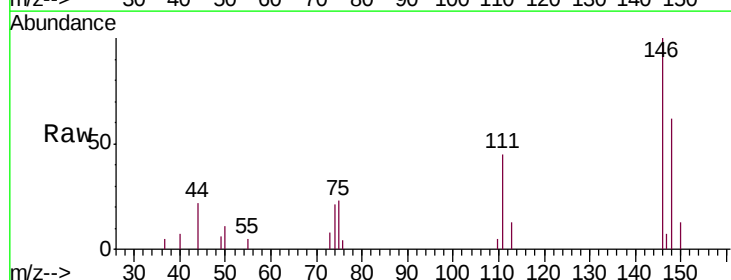
Tgt Ion:146 Resp: 4022

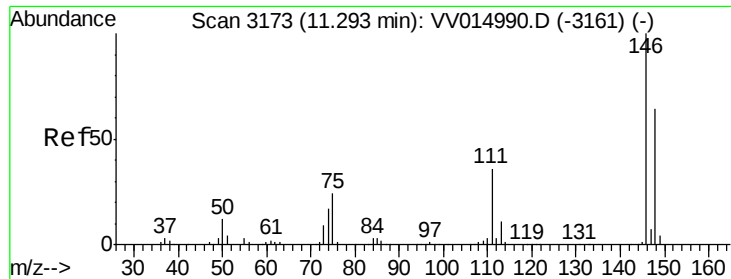
Ion Ratio Lower Upper

146 100

111 44.6 26.5 49.3

148 62.5 45.4 84.2

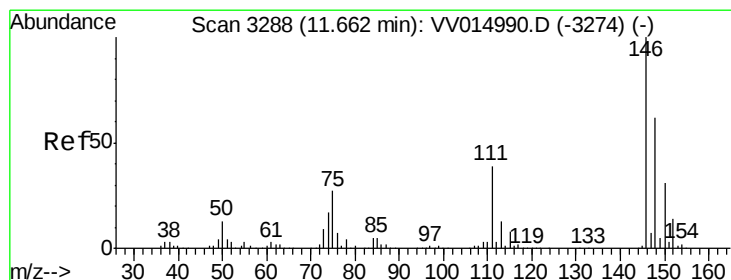
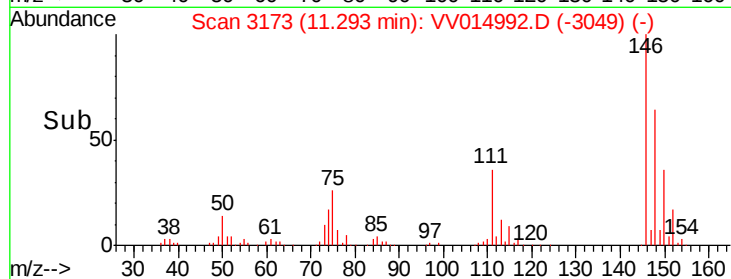
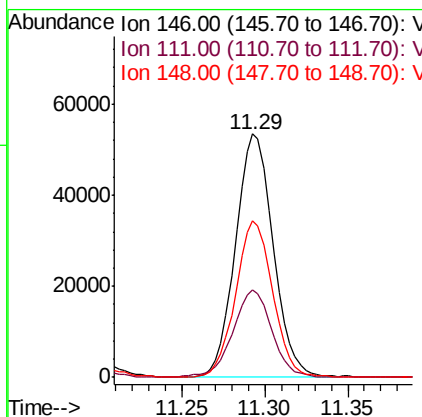
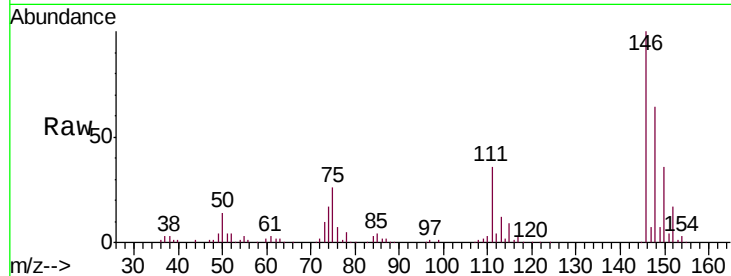




#63
 1,4-Dichlorobenzene
 Concen: 16.607 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014992.D
 Acq: 17 Mar 2020 23:09

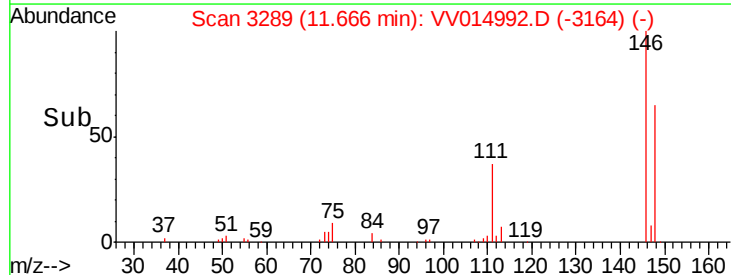
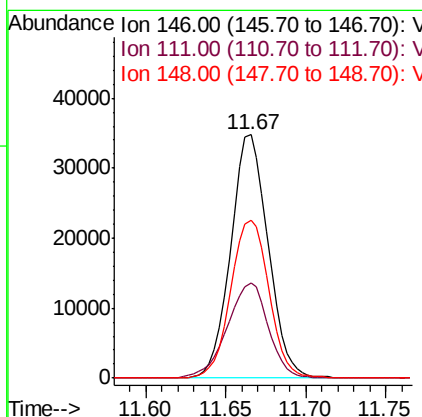
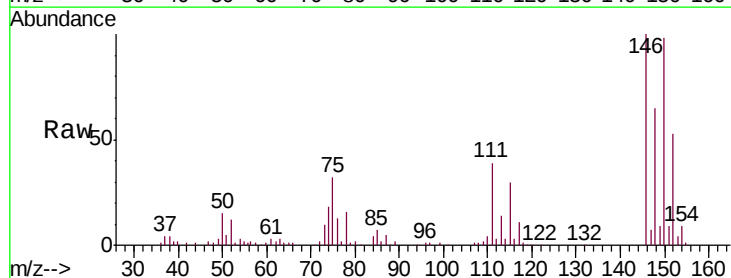
Instrument :
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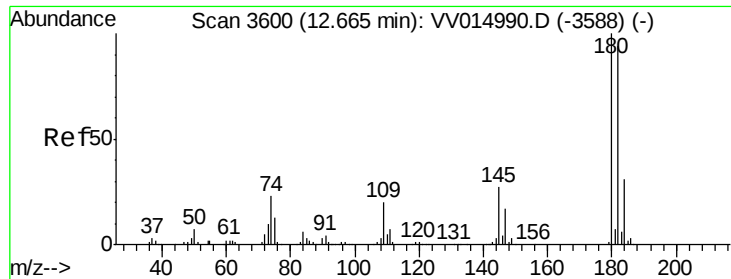
Tgt Ion:146 Resp: 84669
 Ion Ratio Lower Upper
 146 100
 111 35.8 26.0 48.2
 148 64.2 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 10.927 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014992.D
 Acq: 17 Mar 2020 23:09

Tgt Ion:146 Resp: 55248
 Ion Ratio Lower Upper
 146 100
 111 39.2 31.6 47.4
 148 65.0 52.2 78.4

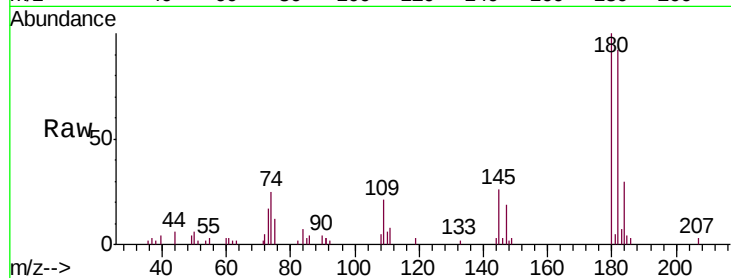




#67
 1,3,5-Trichlorobenzene
 Concen: 2.867 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014992.D
 Acq: 17 Mar 2020 23:09

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DH5DL2

Tgt Ion:	180	Resp:	11378
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
184	28.8	24.2	36.4
145	29.3	22.0	33.0



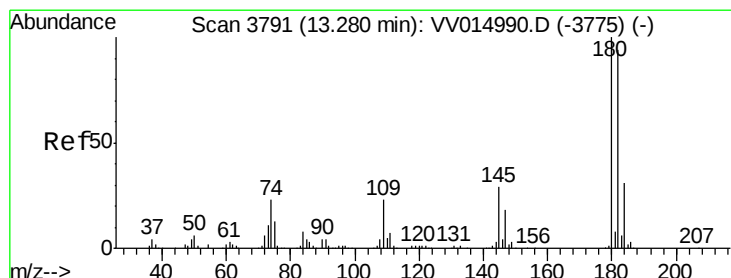
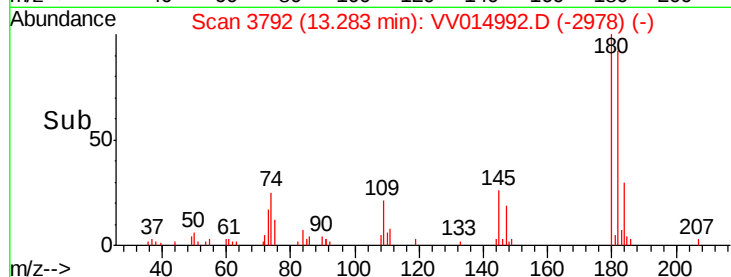
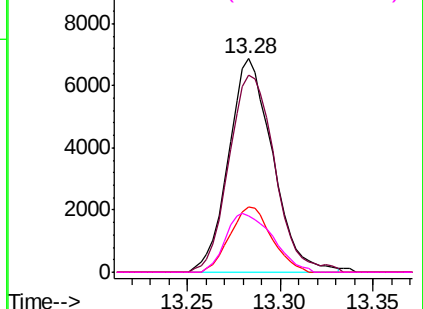
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

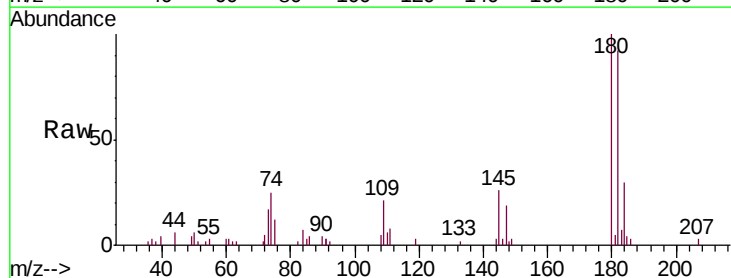
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 3.217 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014992.D
 Acq: 17 Mar 2020 23:09

Tgt Ion:	180	Resp:	11378
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
145	29.3	23.1	34.7



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

