

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018810.D
 Acq On : 09 Oct 2020 11:42
 Operator : SY/MD
 Sample : VIBLK72
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK72

Quant Time: Oct 09 23:53:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 23:43:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	341668	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	333736	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161575	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	119407	38.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.92%
7) Chloroethane-d5	1.58	69	104573	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.70%
11) 1,1-Dichloroethene-d2	2.12	63	185730	31.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.06%
21) 2-Butanone-d5	3.90	46	194418	101.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.99%
24) Chloroform-d	4.38	84	239995	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
26) 1,2-Dichloroethane-d4	5.05	65	169370	45.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.24%
32) Benzene-d6	5.07	84	480928	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
36) 1,2-Dichloropropane-d6	6.09	67	157434	44.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.90%
41) Toluene-d8	7.34	98	426599	44.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.48%
43) trans-1,3-Dichloropropene-	7.64	79	75378	44.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.06%
47) 2-Hexanone-d5	8.11	63	111694	91.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.00%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	178681	44.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	172329	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%

Target Compounds

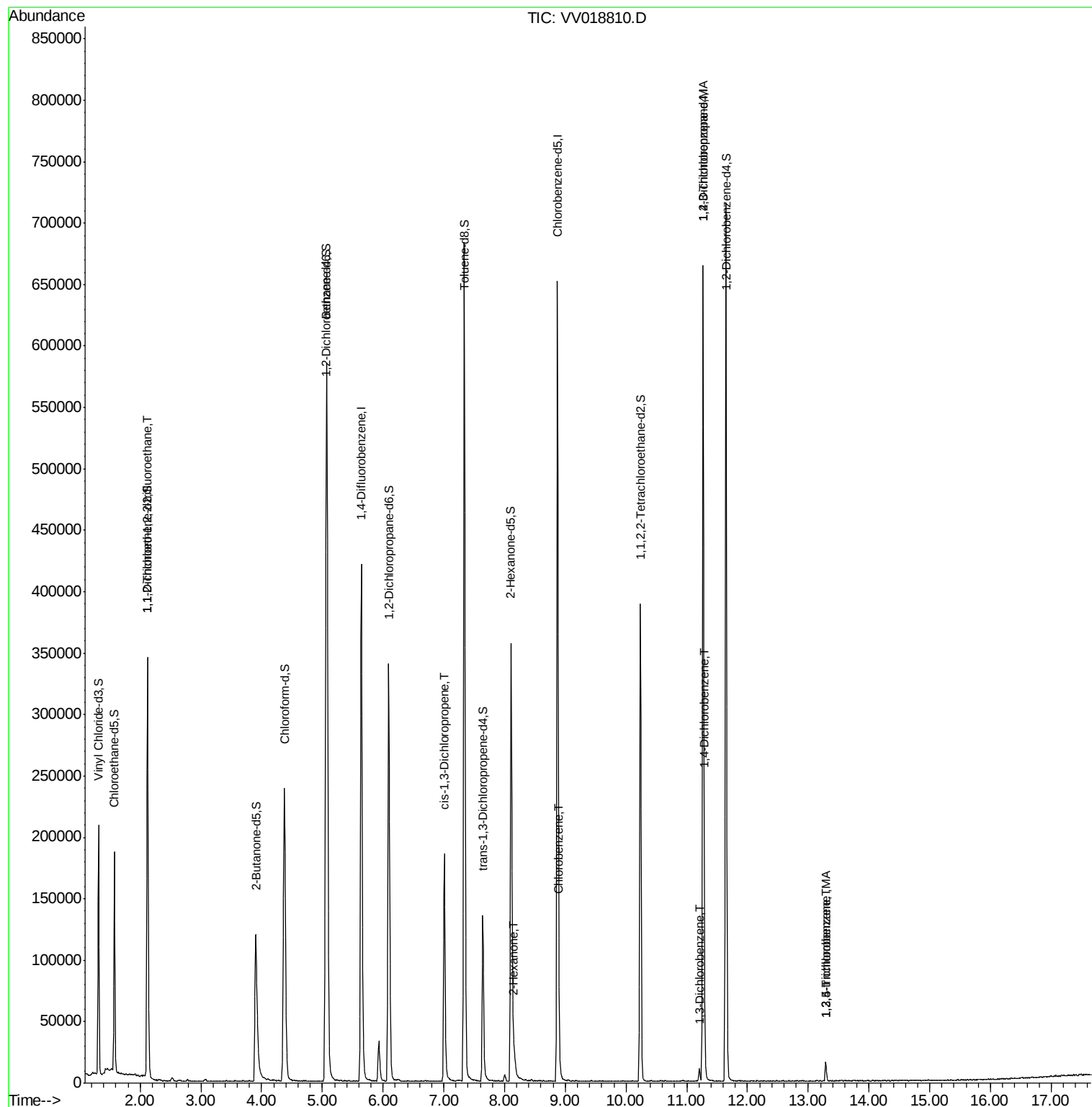
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1783	0.726 ug/L #	19
39) cis-1,3-Dichloropropene	7.01	75	4706	1.145 ug/L #	60
48) 2-Hexanone	8.16	43	12509	4.192 ug/L #	75
51) Chlorobenzene	8.90	112	5740	0.795 ug/L	87
59) 1,2,3-Trichloropropane	11.27	75	22811	6.591 ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	4135	0.785 ug/L	94
63) 1,4-Dichlorobenzene	11.30	146	8449	1.542 ug/L	97
67) 1,3,5-Trichlorobenzene	13.29	180	4717	1.382 ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	4717	1.470 ug/L	96

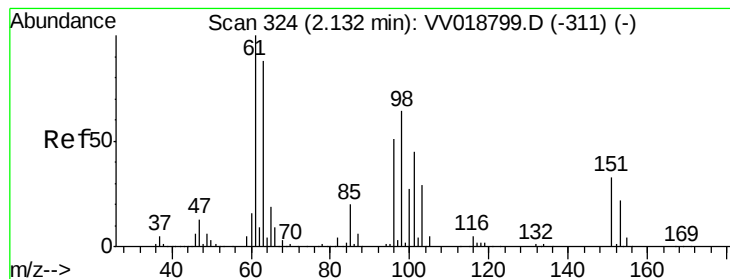
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 09 23:43:53 2020
Response via : Initial Calibration





#10

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

Concen: 0.726 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018810.D

Acq: 09 Oct 2020 11:42

Instrument :

MSVOA_V

ClientSampleId :

VIBLK72

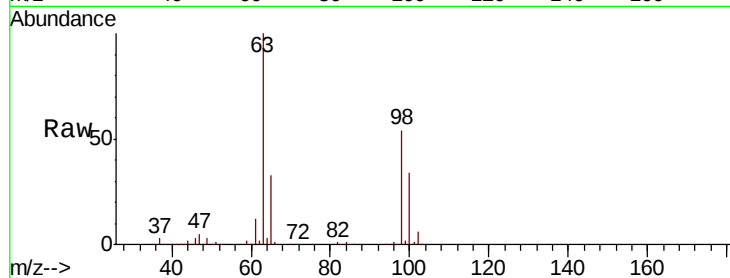
Tot Ion:101 Resp: 1783

Ion Ratio Lower Upper

101 100

85 0.0 35.9 53.9#

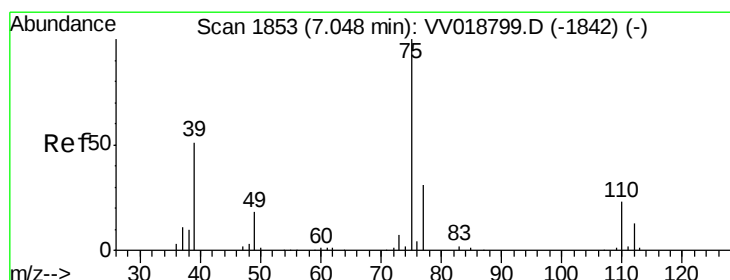
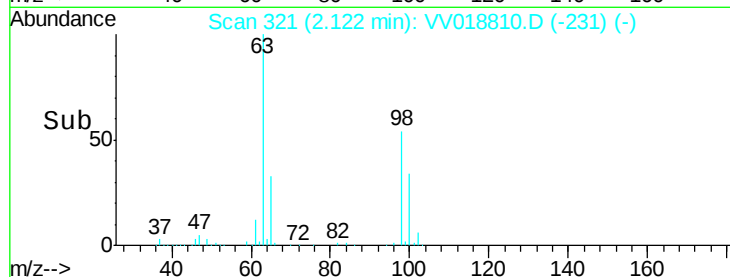
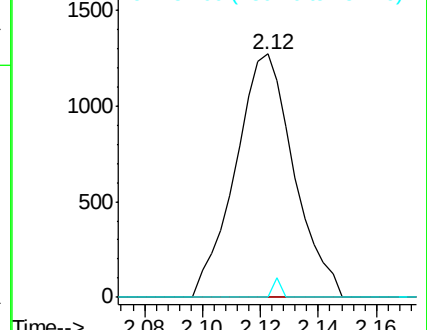
151 0.0 59.8 89.8#



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



#39

cis-1,3-Dichloropropene

Concen: 1.145 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV018810.D

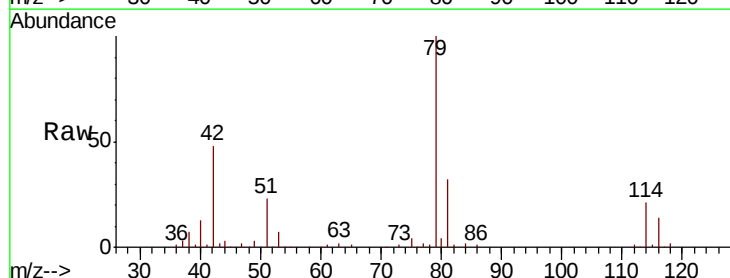
Acq: 09 Oct 2020 11:42

Tgt Ion: 75 Resp: 4706

Ion Ratio Lower Upper

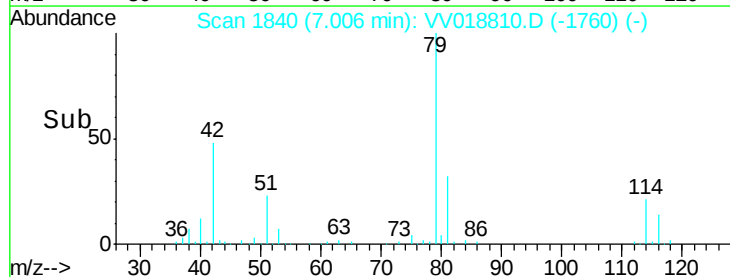
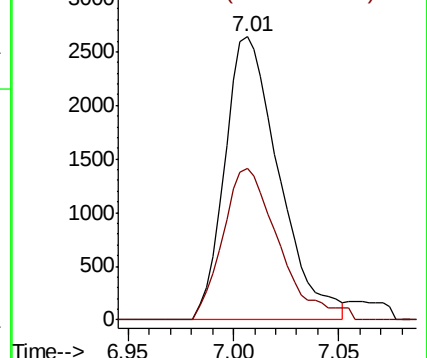
75 100

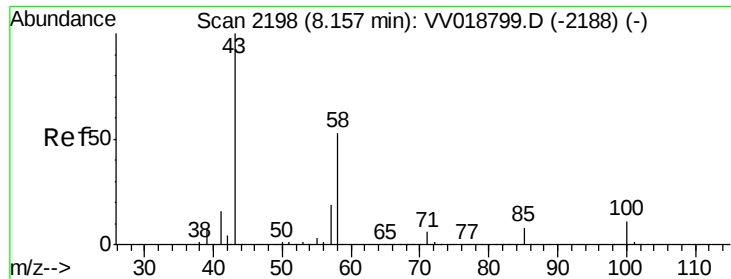
77 53.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

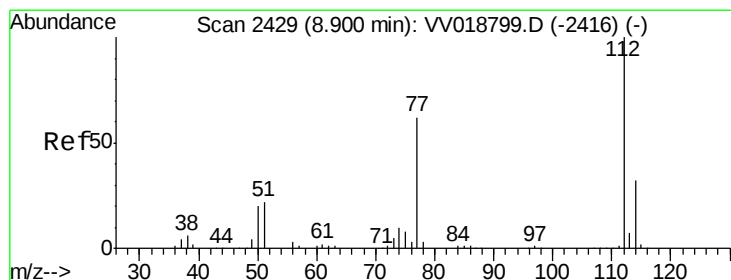
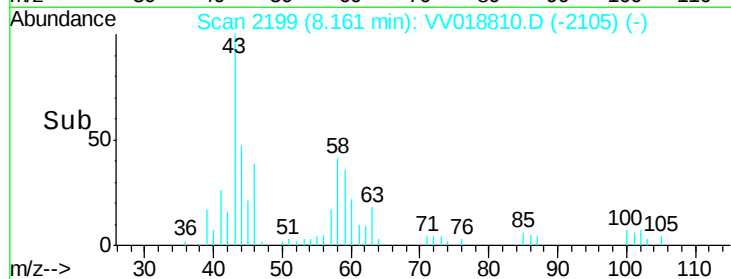
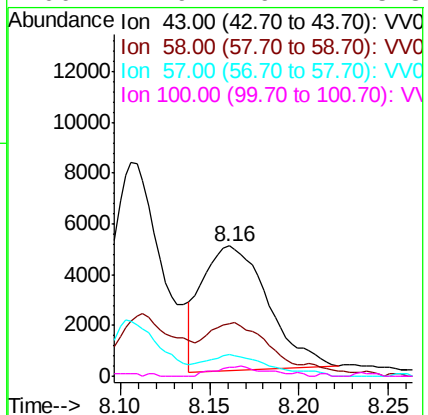
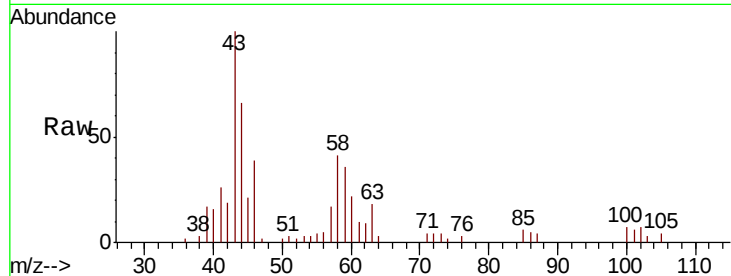




#48
2-Hexanone
Concen: 4.192 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018810.D
Acq: 09 Oct 2020 11:42

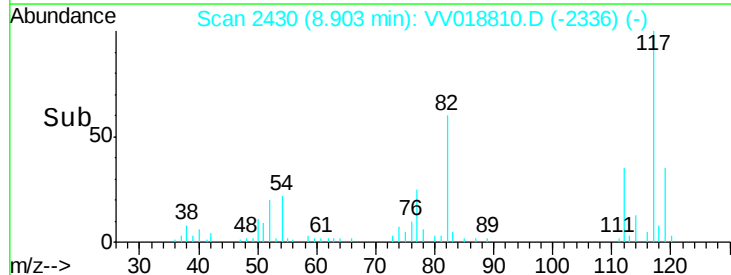
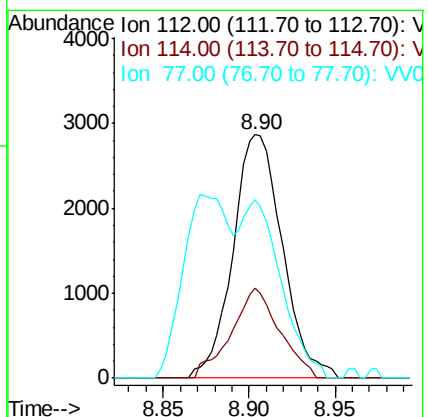
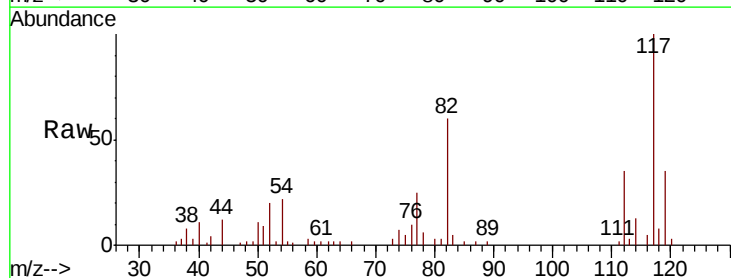
Instrument :
MSVOA_V
ClientSampleId :
VIBLK72

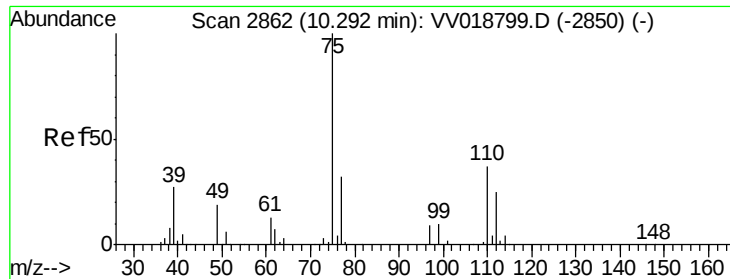
Tot Ion: 43 Resp: 12509
Ion Ratio Lower Upper
43 100
58 31.2 41.8 62.8#
57 11.9 14.9 22.3#
100 4.9 9.2 13.8#



#51
Chlorobenzene
Concen: 0.795 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018810.D
Acq: 09 Oct 2020 11:42

Tgt Ion: 112 Resp: 5740
Ion Ratio Lower Upper
112 100
114 37.2 22.0 41.0
77 73.2 49.8 74.6





#59

1,2,3-Trichloropropane

Concen: 6.591 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018810.D

Acq: 09 Oct 2020 11:42

Instrument :

MSVOA_V

ClientSampled :

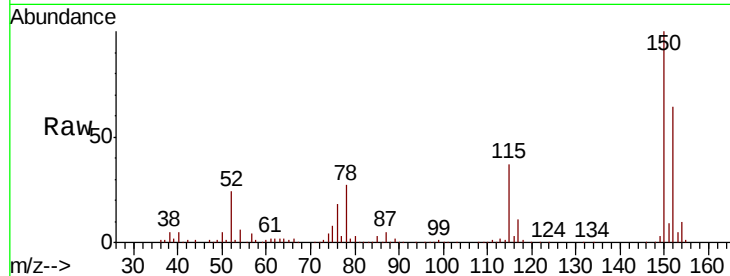
VIBLK72

Tot Ion: 75 Resp: 22811

Ion Ratio Lower Upper

75 100

77 33.2 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV018799.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018799.D (-2850) (-)

11.27

15000

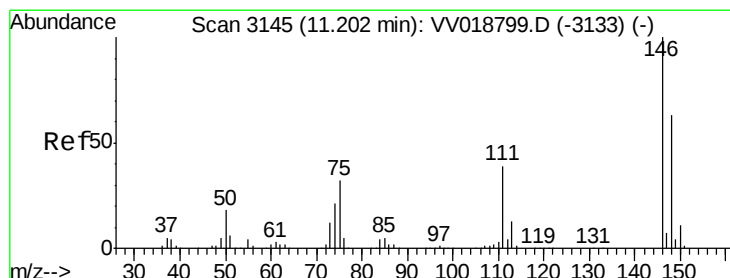
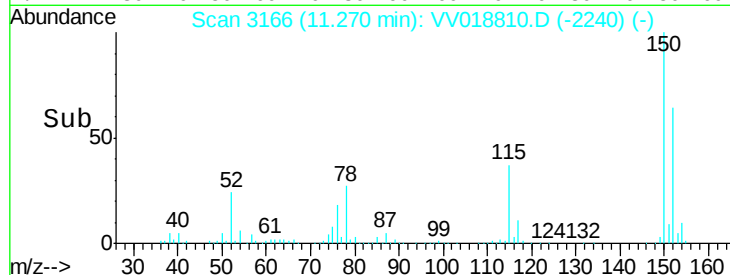
10000

5000

0

Time-->

11.20 11.25 11.30 11.35



#62

1,3-Dichlorobenzene

Concen: 0.785 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV018810.D

Acq: 09 Oct 2020 11:42

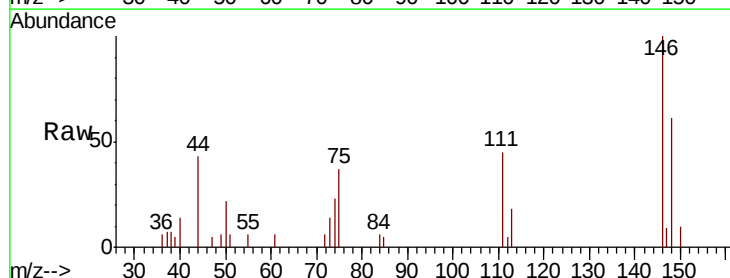
Tgt Ion: 146 Resp: 4135

Ion Ratio Lower Upper

146 100

111 45.3 27.8 51.6

148 61.2 45.4 84.4



Abundance Ion 146.00 (145.70 to 146.70): VV018799.D (-3133) (-)

Ion 111.00 (110.70 to 111.70): VV018799.D (-3133) (-)

Ion 148.00 (147.70 to 148.70): VV018799.D (-3133) (-)

6000

5000

4000

3000

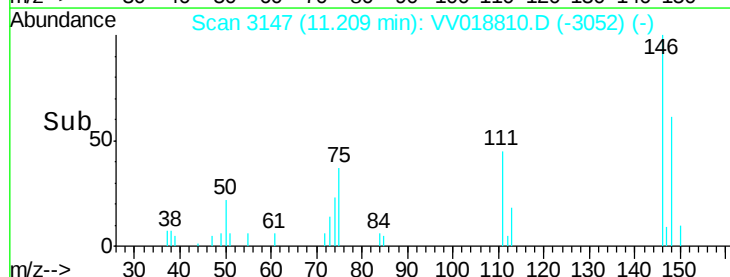
2000

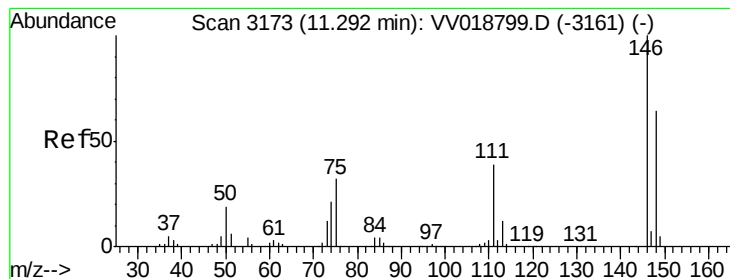
1000

0

Time-->

11.15 11.20 11.25





#63

1,4-Dichlorobenzene

Concen: 1.542 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018810.D

Acq: 09 Oct 2020 11:42

Instrument :

MSVOA_V

ClientSampleId :

VIBLK72

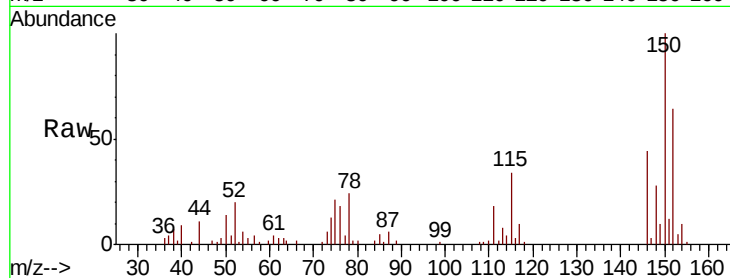
Tot Ion:146 Resp: 8449

Ion Ratio Lower Upper

146 100

111 42.0 27.1 50.3

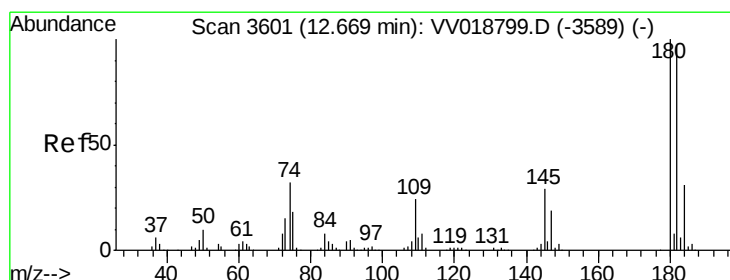
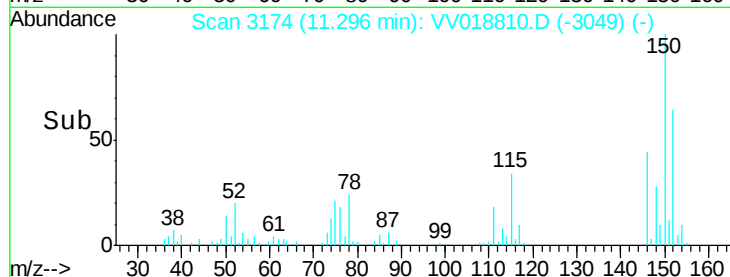
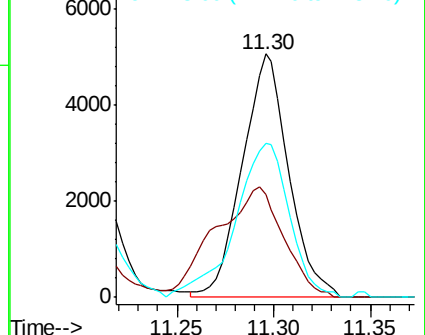
148 63.4 45.4 84.4



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



#67

1,3,5-Trichlorobenzene

Concen: 1.382 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.62 min

Lab File: VV018810.D

Acq: 09 Oct 2020 11:42

Tgt Ion:180 Resp: 4717

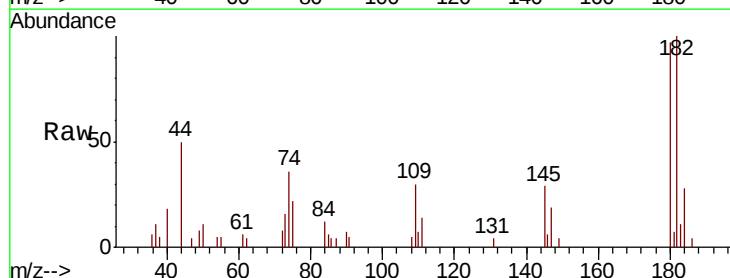
Ion Ratio Lower Upper

180 100

182 100.0 77.0 115.6

184 27.5 24.6 37.0

145 32.6 23.4 35.0

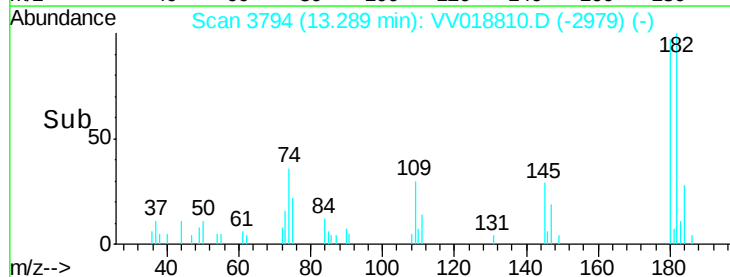
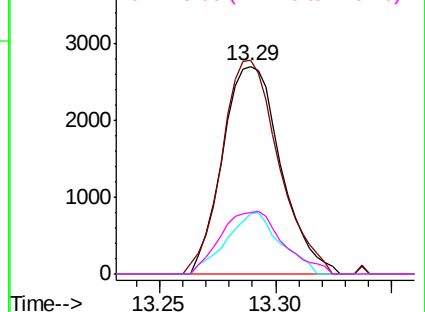


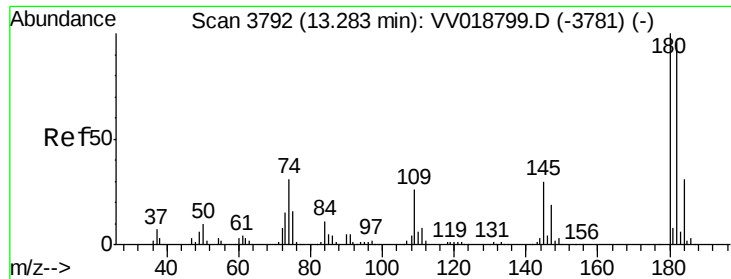
Abundance Ion 180.00 (179.70 to 180.70): V

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: 1.470 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.01 min

Lab File: VV018810.D

Acq: 09 Oct 2020 11:42

Instrument :

MSVOA_V

ClientSampleId :

VIBLK72

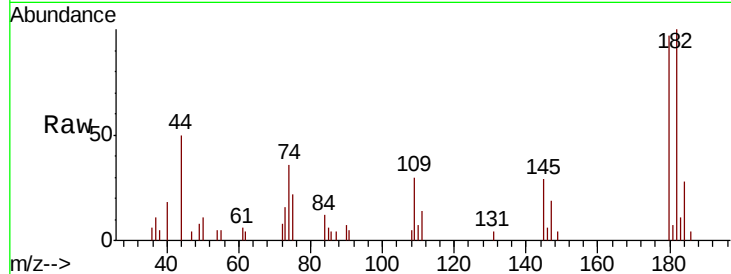
Tot Ion:180 Resp: 4717

Ion Ratio Lower Upper

180 100

182 100.0 76.7 115.1

145 32.6 24.0 36.0



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

