

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093020\
 Data File : VV018558.D
 Acq On : 30 Sep 2020 10:45
 Operator : SY/MD
 Sample : L4141-05DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG6DL

Quant Time: Oct 01 07:40:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 01 07:39:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	355969	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348517	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	179297	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90323	43.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.52%
7) Chloroethane-d5	1.58	69	87651	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.56%
11) 1,1-Dichloroethene-d2	2.12	63	153735	36.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.28%
21) 2-Butanone-d5	3.92	46	147245	94.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.55%
24) Chloroform-d	4.38	84	204286	45.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.50%
26) 1,2-Dichloroethane-d4	5.06	65	139727	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
32) Benzene-d6	5.08	84	410491	46.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	127038	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.26%
41) Toluene-d8	7.34	98	374258	45.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.12%
43) trans-1,3-Dichloropropene-	7.64	79	64272	44.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.22%
47) 2-Hexanone-d5	8.11	63	86222	85.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	155238	43.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	172167	49.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.86%

Target Compounds

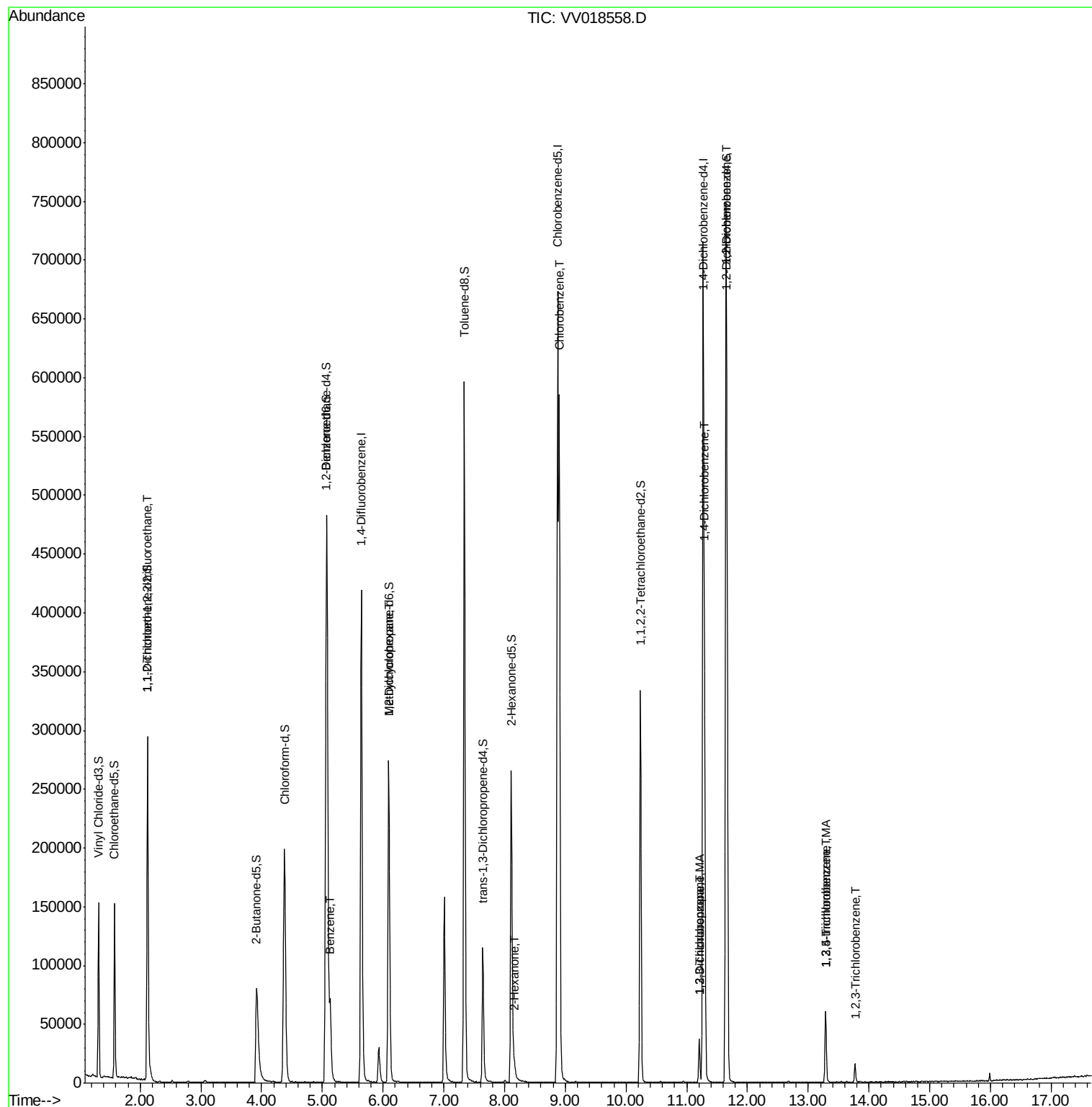
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1594	0.688	ug/L #	21
33) Benzene	5.13	78	66924	6.536	ug/L	100
35) Methylcyclohexane	6.09	83	32409	8.082	ug/L #	19
48) 2-Hexanone	8.16	43	6347	2.400	ug/L #	49
51) Chlorobenzene	8.90	112	299058	39.910	ug/L	99
59) 1,2,3-Trichloropropane	11.21	75	4381	1.371	ug/L #	43
62) 1,3-Dichlorobenzene	11.21	146	15220	2.623	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	115292	19.295	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	148763	25.915	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	19942	4.961	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	19942	5.332	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	5098	1.358	ug/L	100

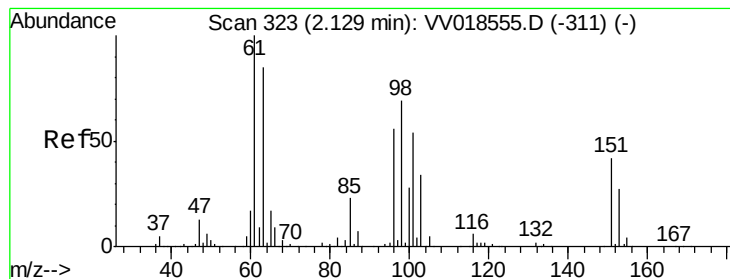
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.688 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV018558.D

Acq: 30 Sep 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

C0FG6DL

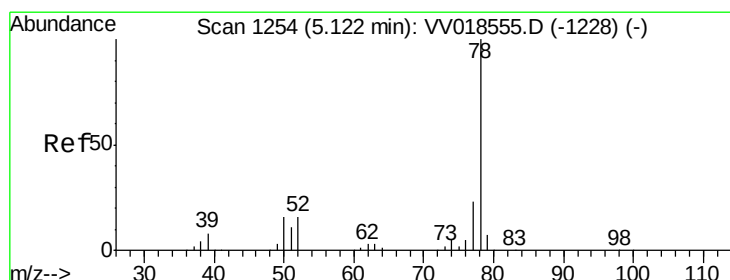
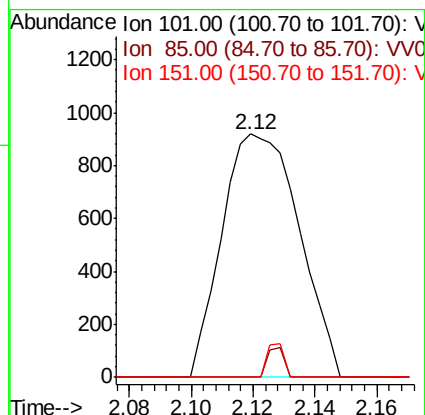
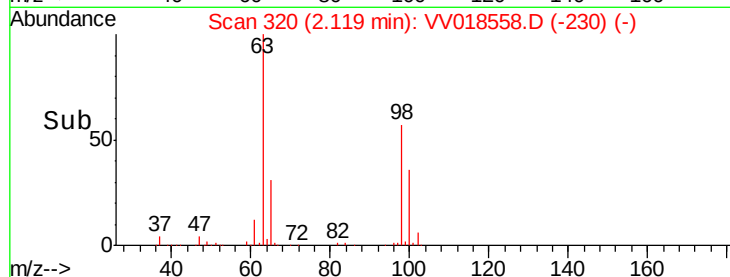
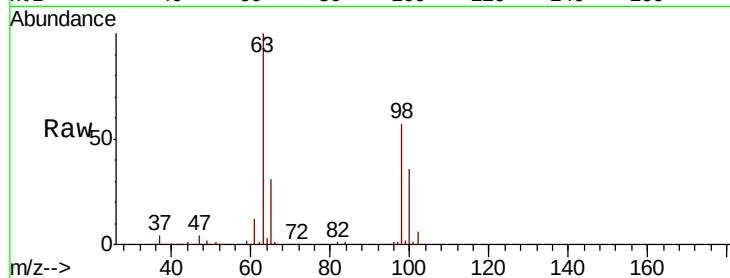
Tot Ion:101 Resp: 1594

Ion Ratio Lower Upper

101 100

85 2.6 34.6 52.0#

151 3.0 64.3 96.5#



#33

Benzene

Concen: 6.536 ug/L

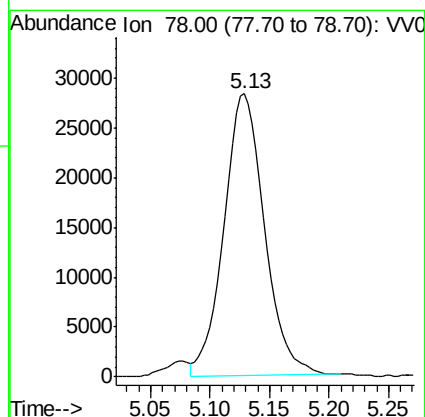
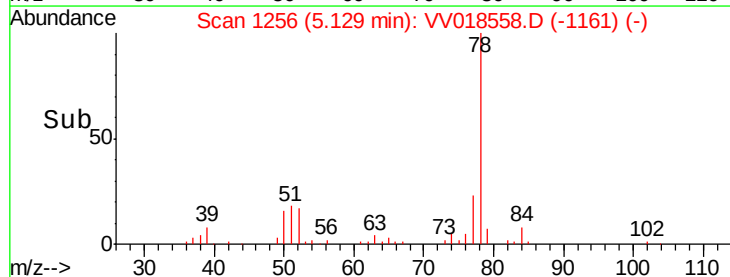
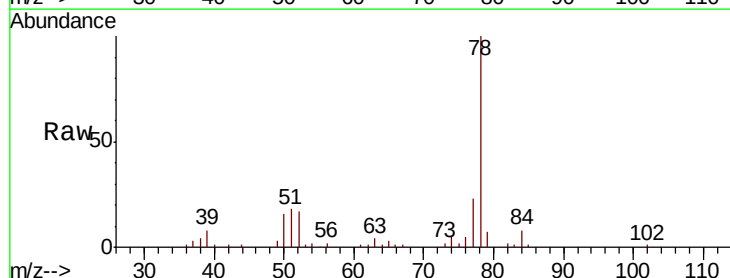
RT: 5.13 min Scan# 1256

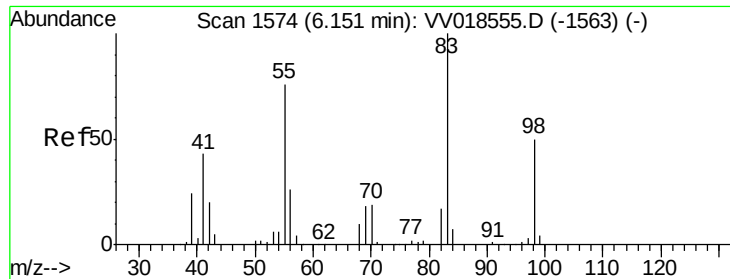
Delta R.T. 0.01 min

Lab File: VV018558.D

Acq: 30 Sep 2020 10:45

Tgt Ion: 78 Resp: 66924

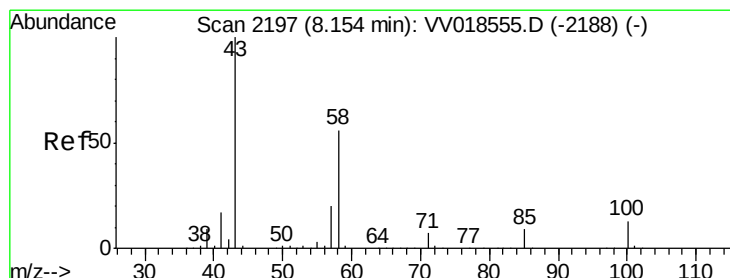
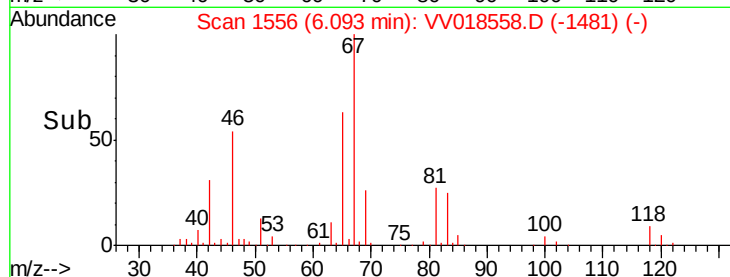
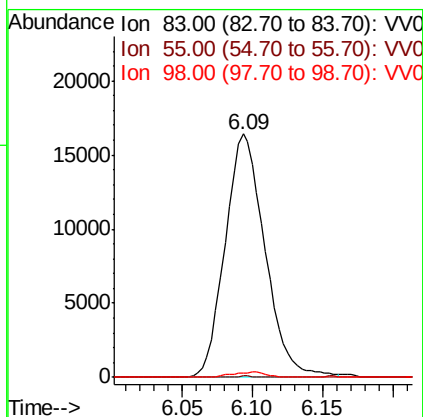
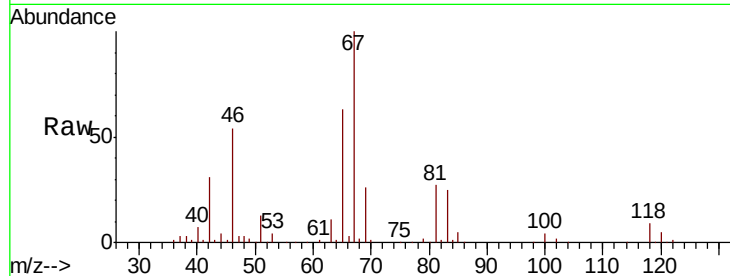




#35
Methylcyclohexane
Concen: 8.082 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV018558.D
Acq: 30 Sep 2020 10:45

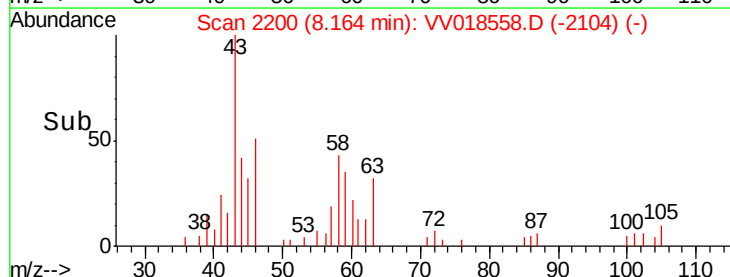
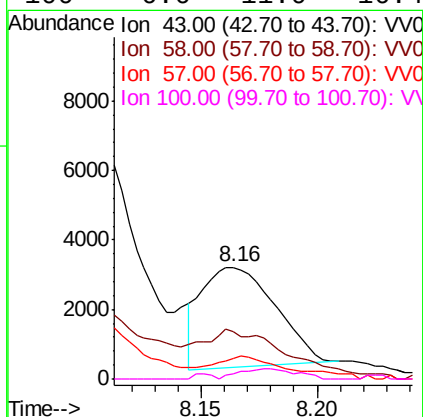
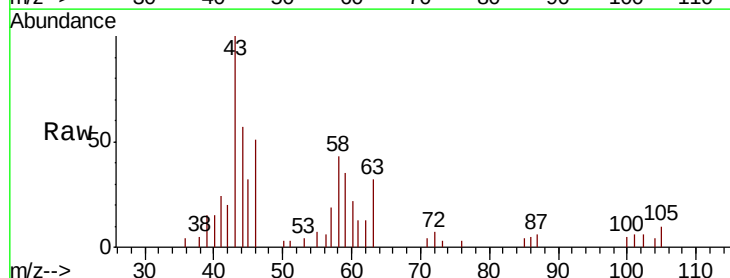
Instrument :
MSVOA_V
ClientSampleId :
C0FG6DL

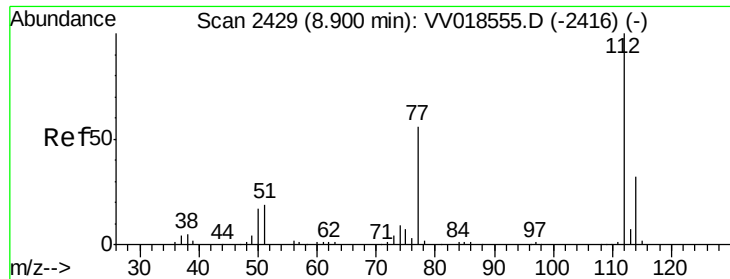
Tot Ion: 83 Resp: 32409
Ion Ratio Lower Upper
83 100
55 0.1 60.1 90.1#
98 1.9 40.2 60.4#



#48
2-Hexanone
Concen: 2.400 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV018558.D
Acq: 30 Sep 2020 10:45

Tgt Ion: 43 Resp: 6347
Ion Ratio Lower Upper
43 100
58 4.1 45.1 67.7#
57 11.6 15.7 23.5#
100 6.6 11.0 16.4#





#51

Chlorobenzene

Concen: 39.910 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018558.D

Acq: 30 Sep 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

C0FG6DL

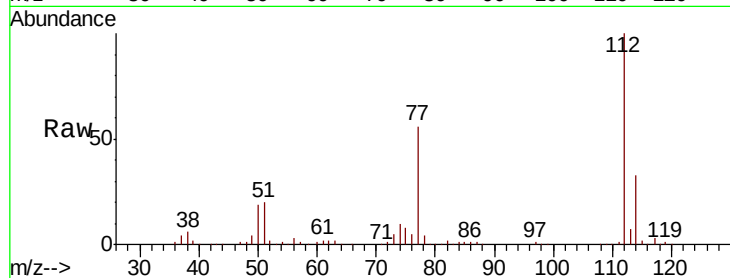
Tot Ion:112 Resp: 299058

Ion Ratio Lower Upper

112 100

114 32.7 22.4 41.6

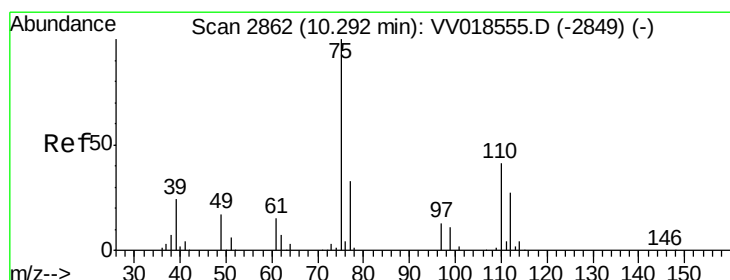
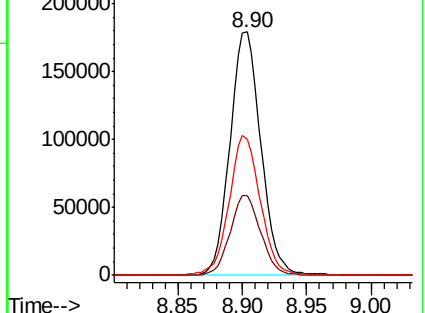
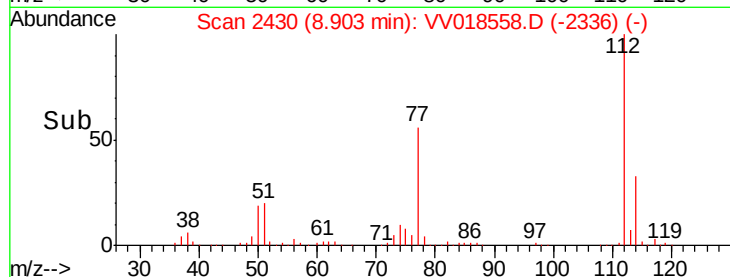
77 55.9 44.8 67.2



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: 1.371 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.91 min

Lab File: VV018558.D

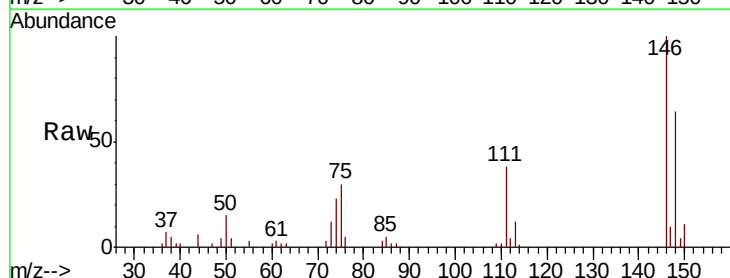
Acq: 30 Sep 2020 10:45

Tgt Ion: 75 Resp: 4381

Ion Ratio Lower Upper

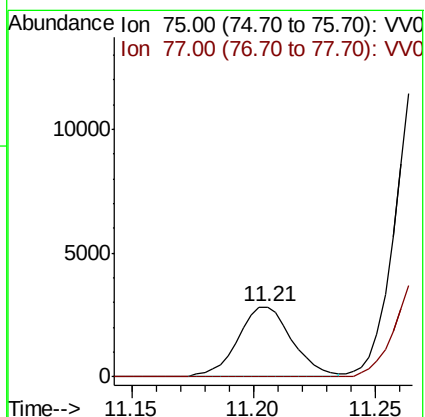
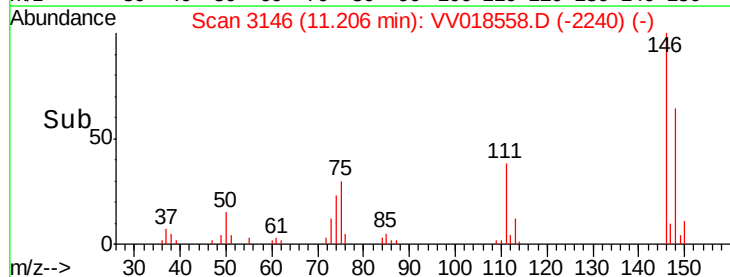
75 100

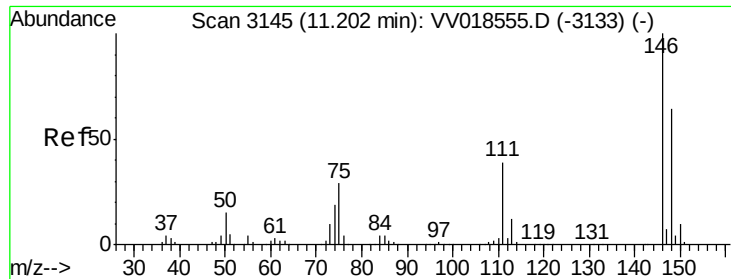
77 0.0 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.623 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV018558.D

Acq: 30 Sep 2020 10:45

Instrument :

MSVOA_V

ClientSampleId :

C0FG6DL

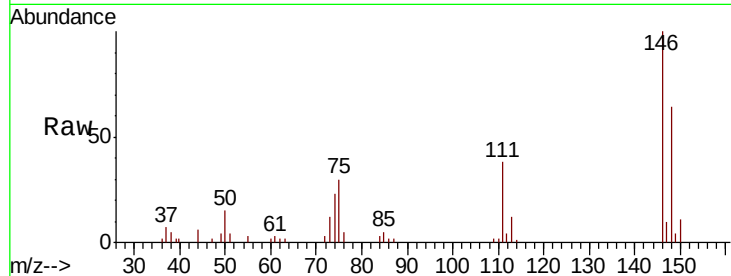
Tot Ion:146 Resp: 15220

Ion Ratio Lower Upper

146 100

111 38.4 26.8 49.8

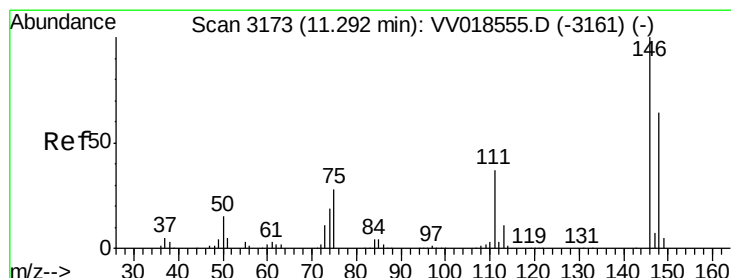
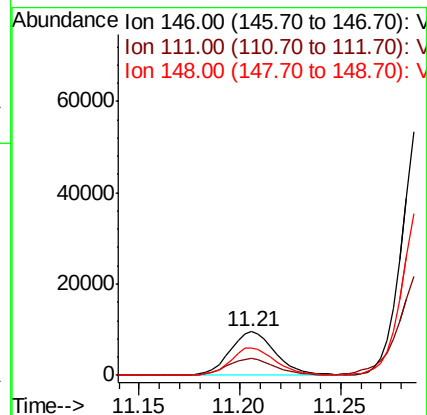
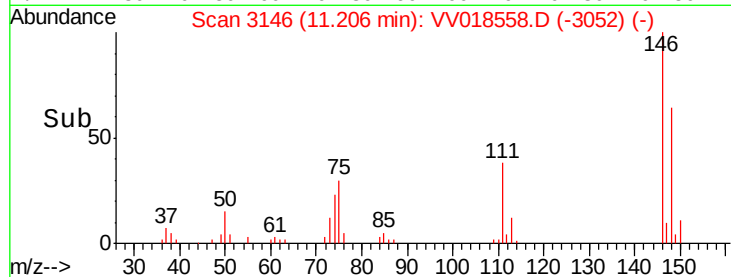
148 63.6 44.0 81.8



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: 19.295 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV018558.D

Acq: 30 Sep 2020 10:45

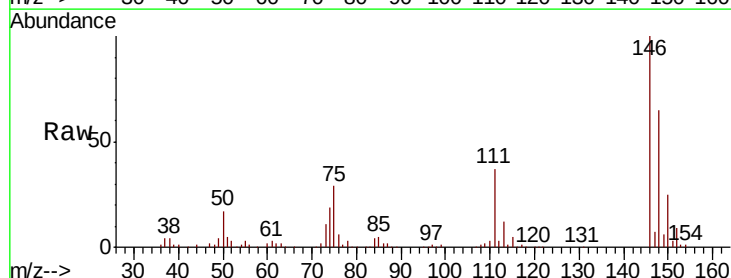
Tgt Ion:146 Resp: 115292

Ion Ratio Lower Upper

146 100

111 36.8 26.2 48.6

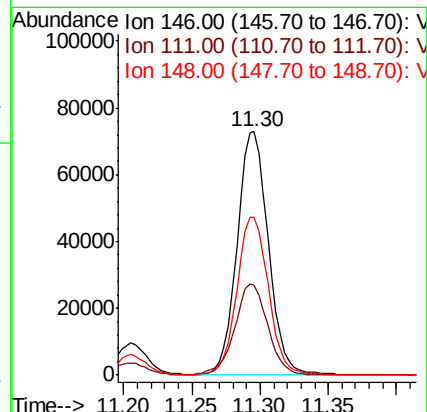
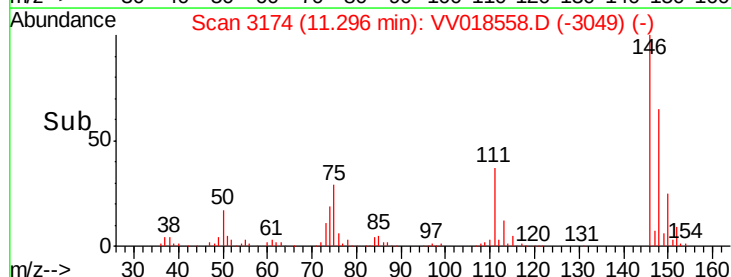
148 64.8 44.4 82.5

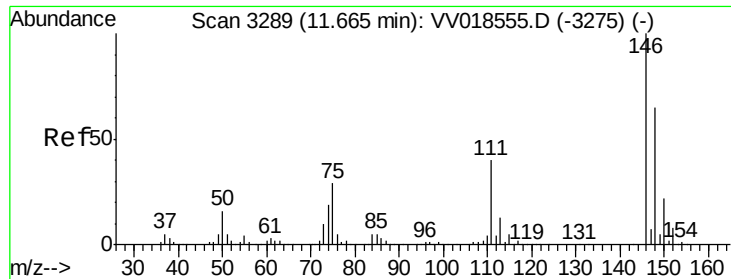


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

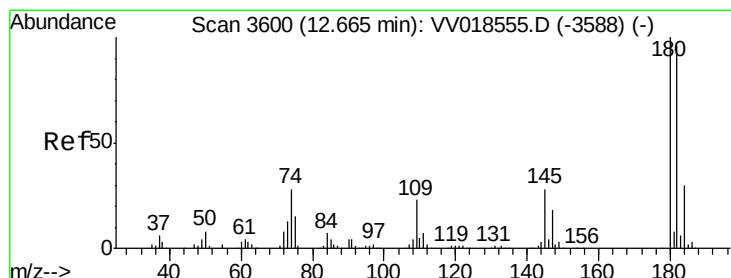
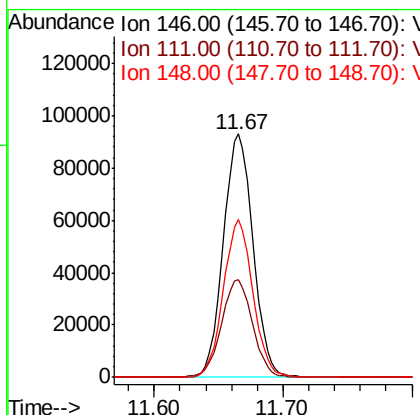
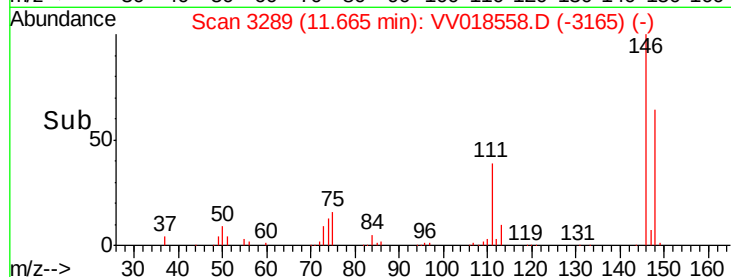
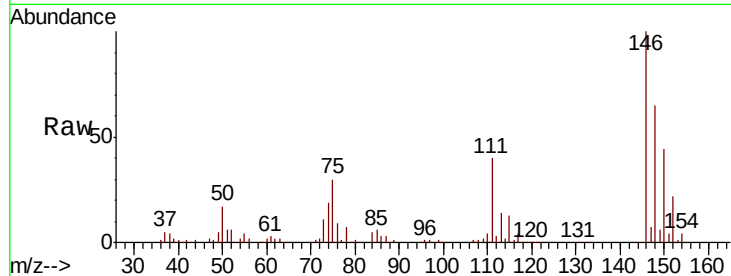




#65
 1,2-Dichlorobenzene
 Concen: 25.915 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018558.D
 Acq: 30 Sep 2020 10:45

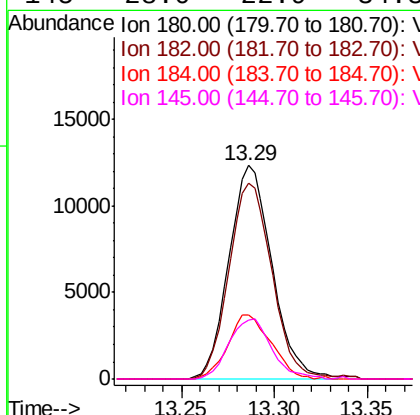
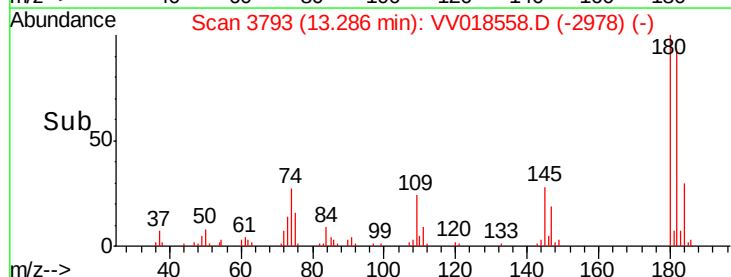
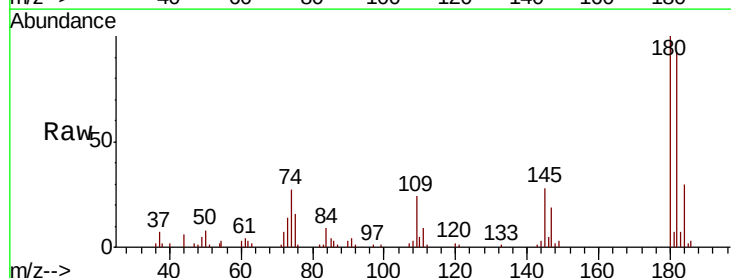
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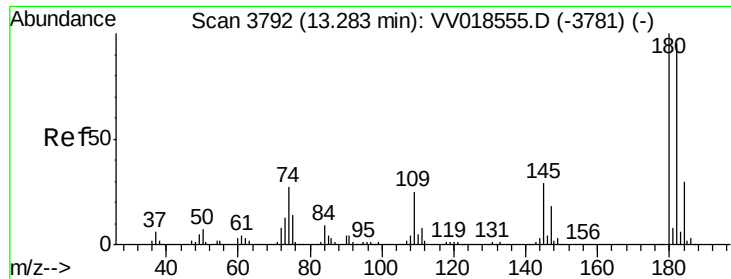
Tot Ion:146 Resp: 148763
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.8 49.2
 148 64.7 51.9 77.9



#67
 1,3,5-Trichlorobenzene
 Concen: 4.961 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV018558.D
 Acq: 30 Sep 2020 10:45

Tgt Ion:180 Resp: 19942
 Ion Ratio Lower Upper
 180 100
 182 91.3 77.1 115.7
 184 30.0 24.3 36.5
 145 28.0 22.9 34.3

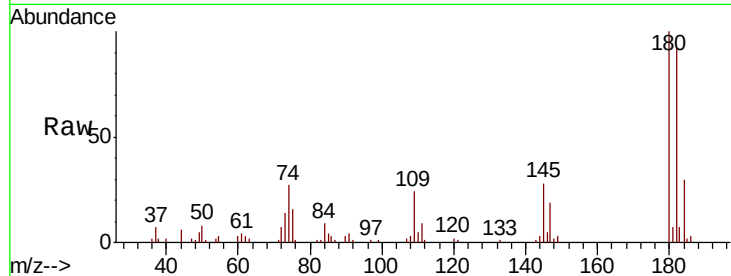




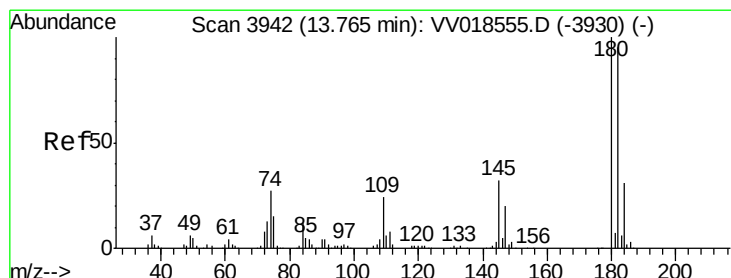
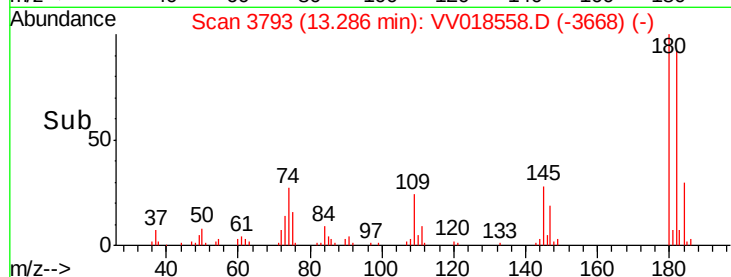
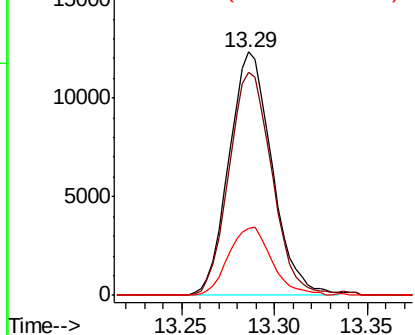
#68
 1,2,4-trichlorobenzene
 Concen: 5.332 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018558.D
 Acq: 30 Sep 2020 10:45

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FG6DL

Tot Ion:180 Resp: 19942
 Ion Ratio Lower Upper
 180 100
 182 91.3 76.3 114.5
 145 28.0 23.6 35.4

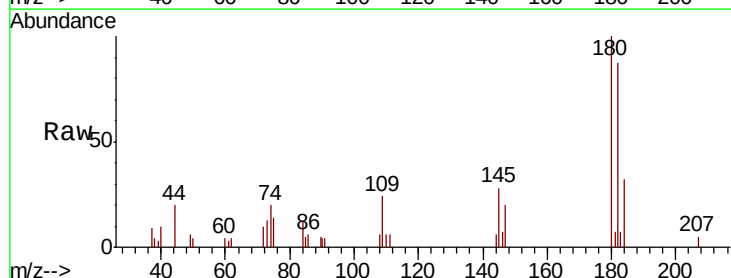


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.358 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV018558.D
 Acq: 30 Sep 2020 10:45

Tgt Ion:180 Resp: 5098
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.1 115.7
 145 30.8 25.1 37.7



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

