

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019449.D
 Acq On : 02 Dec 2020 15:20
 Operator : SY/MD
 Sample : L4921-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW1

Quant Time: Dec 03 06:29:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 05:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	383418	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	385575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183618	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	145533	38.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	133232	42.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.50%
11) 1,1-Dichloroethene-d2	2.12	63	238244	34.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.90%
21) 2-Butanone-d5	3.89	46	232787	99.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.37	84	284438	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.05	65	193777	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
32) Benzene-d6	5.07	84	557138	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.09	67	188212	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.24%
41) Toluene-d8	7.33	98	479428	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.64	79	85521	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
47) 2-Hexanone-d5	8.10	63	119794	80.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.16%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	203529	41.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.90%
64) 1,2-Dichlorobenzene-d4	11.64	152	188696	52.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.84%

Target Compounds

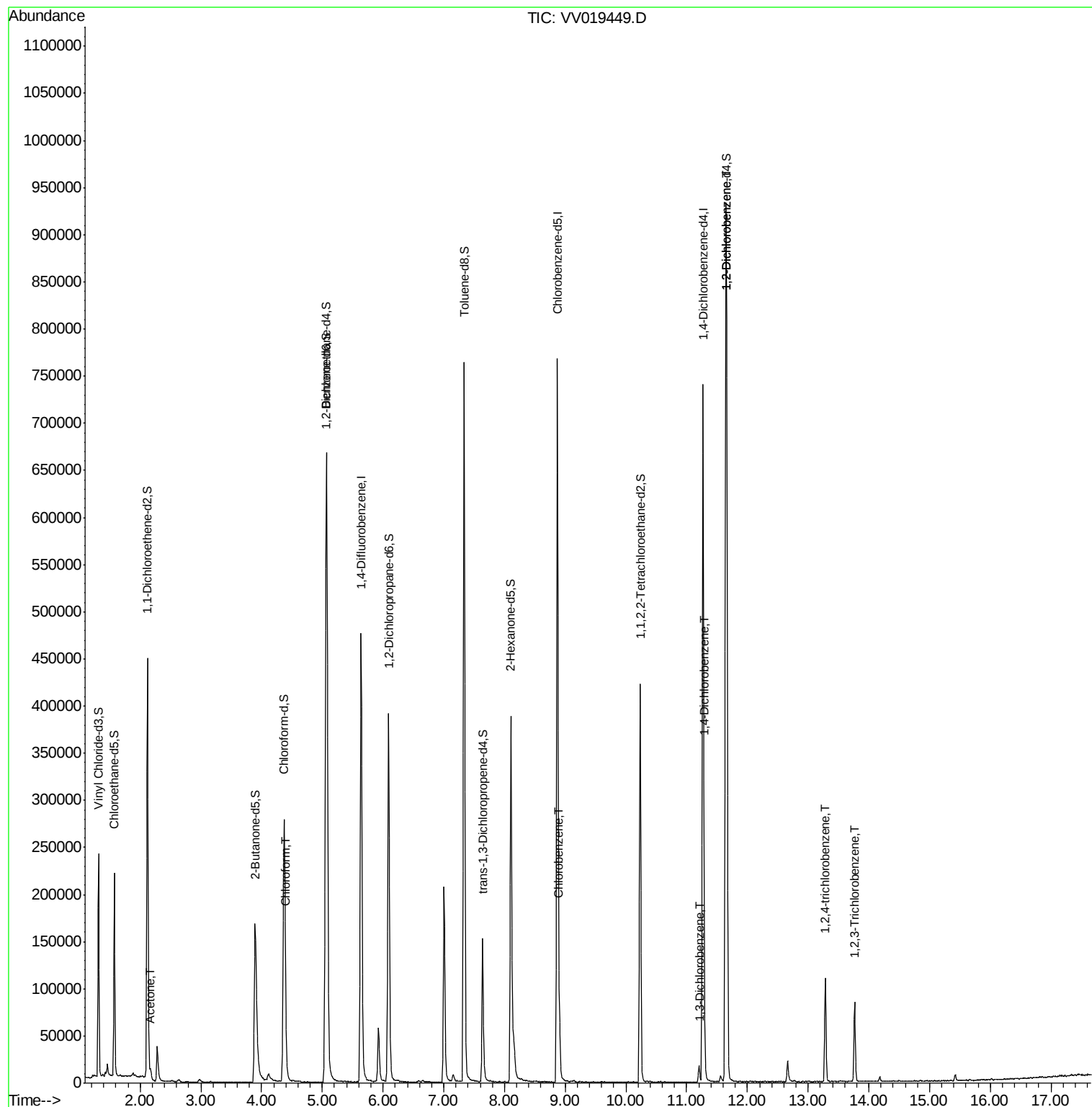
					Ovalue
13) Acetone	2.17	43	9549	5.351 ug/L	97
25) Chloroform	4.40	83	10167	1.771 ug/L	83
51) Chlorobenzene	8.90	112	36978	4.683 ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	6715	1.257 ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	21814	3.885 ug/L	96
65) 1,2-Dichlorobenzene	11.66	146	219854	40.088 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	32917	9.561 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	25035	6.957 ug/L	99

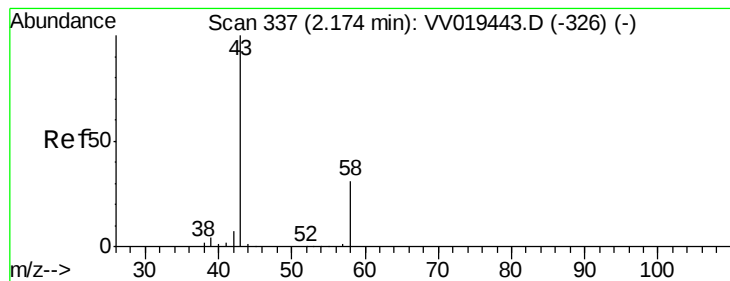
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Dec 03 05:50:19 2020
Response via : Initial Calibration





#13

Acetone

Concen: 5.351 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampleId :

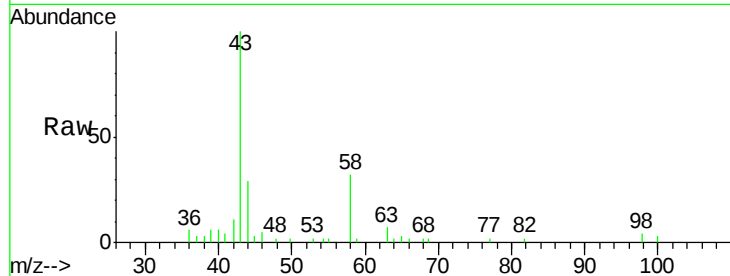
C0FW1

Tot Ion: 43 Resp: 9549

Ion Ratio Lower Upper

43 100

58 35.1 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV019443.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019443.D (-326) (-)

2.17

6000

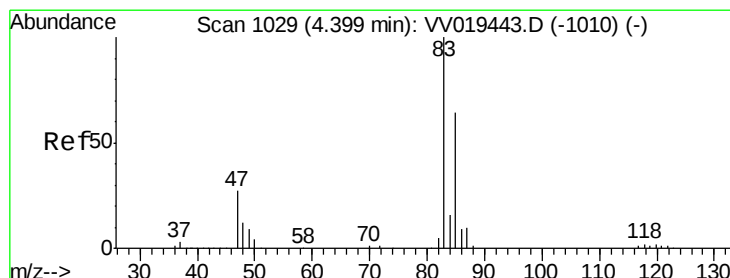
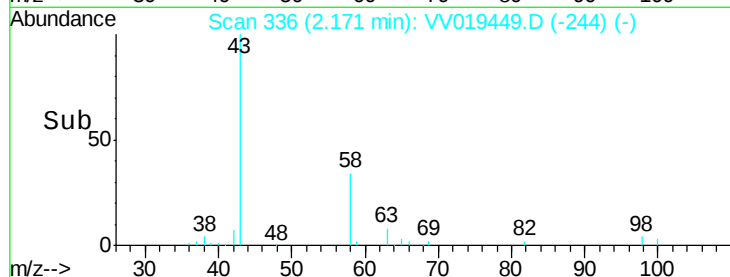
4000

2000

0

Time-->

2.10 2.15 2.20



#25

Chloroform

Concen: 1.771 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV019449.D

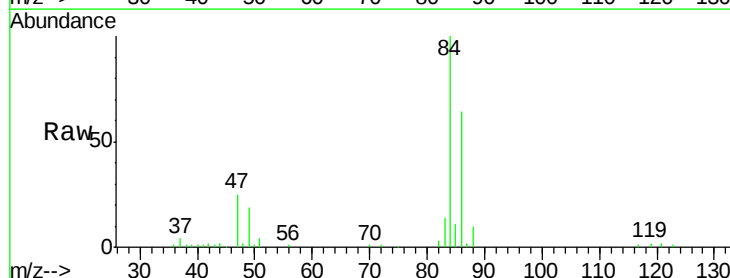
Acq: 02 Dec 2020 15:20

Tgt Ion: 83 Resp: 10167

Ion Ratio Lower Upper

83 100

85 77.8 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV019443.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV019443.D (-1010) (-)

4.40

4000

3000

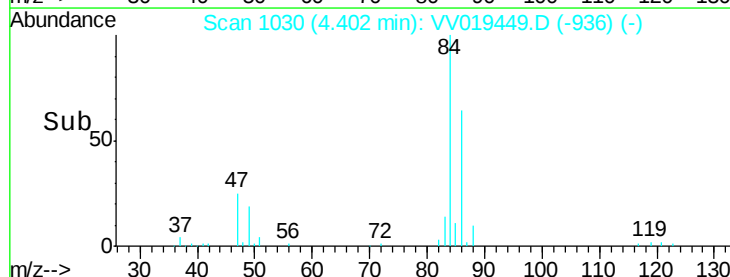
2000

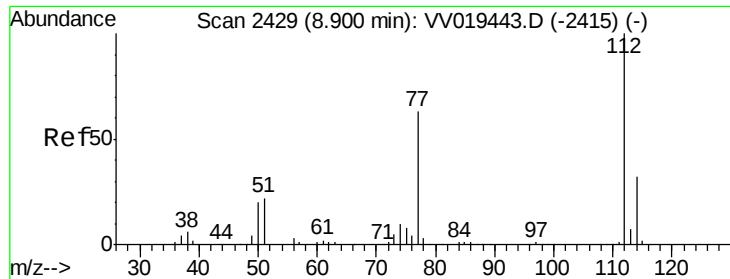
1000

0

Time-->

4.30 4.35 4.40 4.45 4.50





#51

Chlorobenzene

Concen: 4.683 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampled :

C0FW1

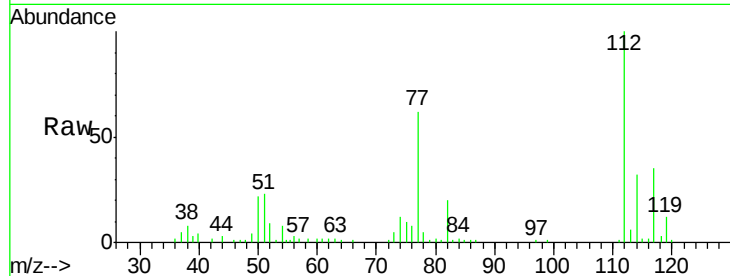
Tot Ion:112 Resp: 36978

Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.1

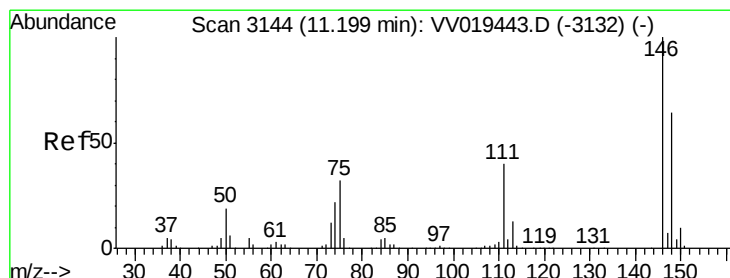
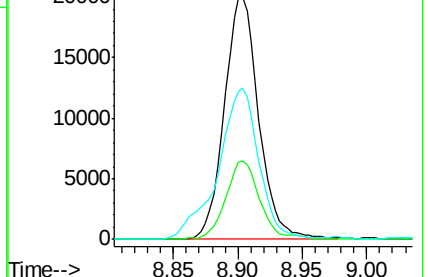
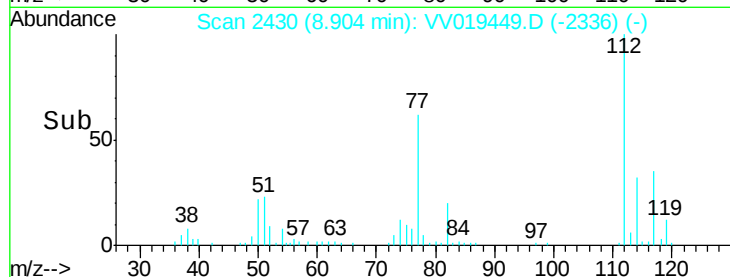
77 62.0 50.3 75.5



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: 1.257 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.01 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

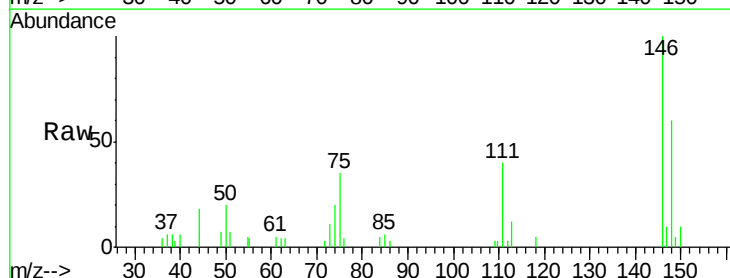
Tgt Ion:146 Resp: 6715

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

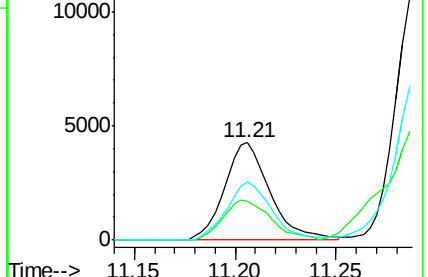
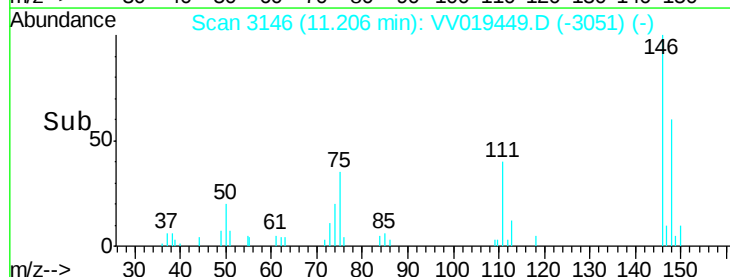
148 59.6 44.4 82.5

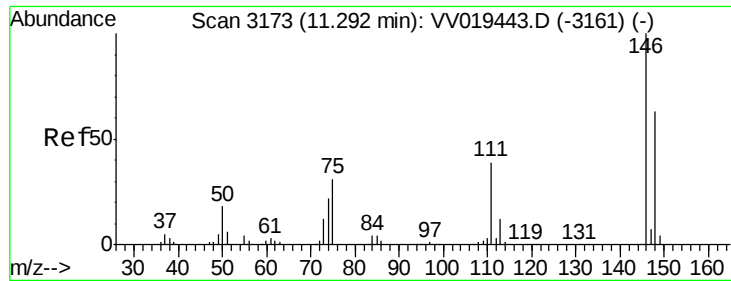


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 3.885 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampleId :

C0FW1

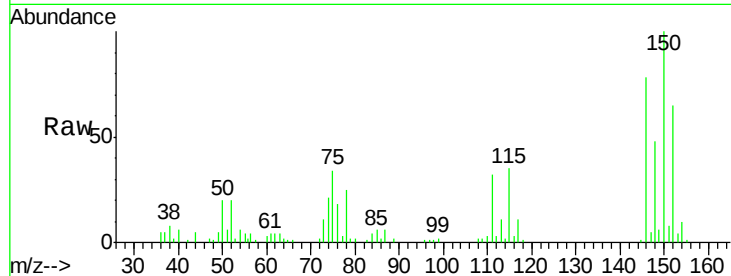
Tot Ion:146 Resp: 21814

Ion Ratio Lower Upper

146 100

111 40.6 26.7 49.7

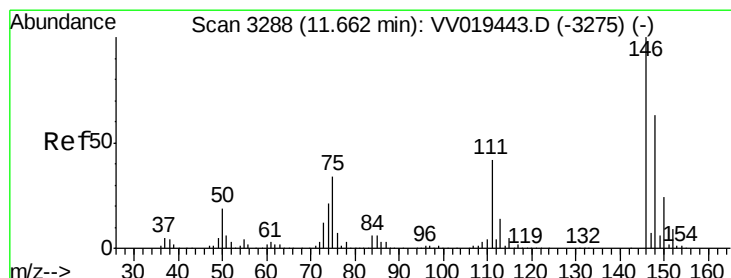
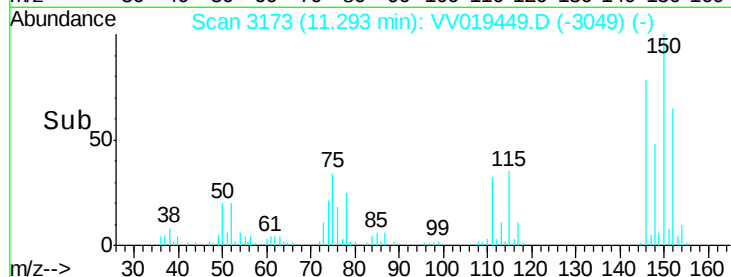
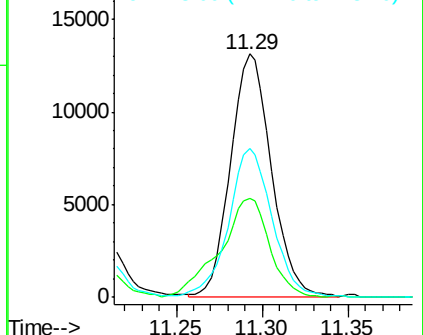
148 61.3 45.2 84.0



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: 40.088 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

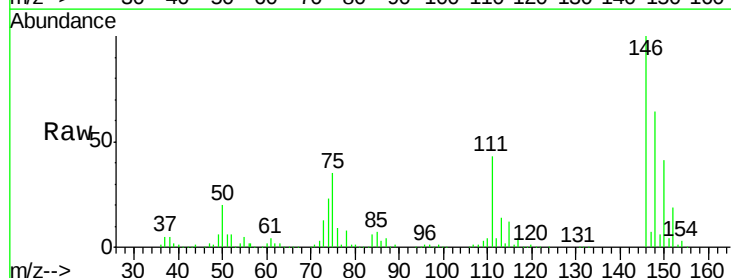
Tgt Ion:146 Resp: 219854

Ion Ratio Lower Upper

146 100

111 42.7 33.8 50.8

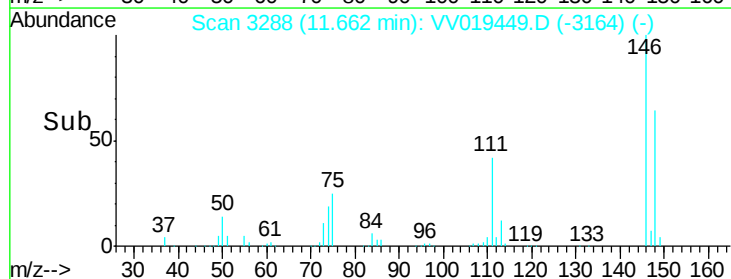
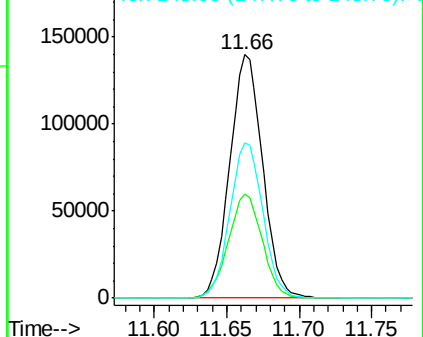
148 64.0 49.8 74.8

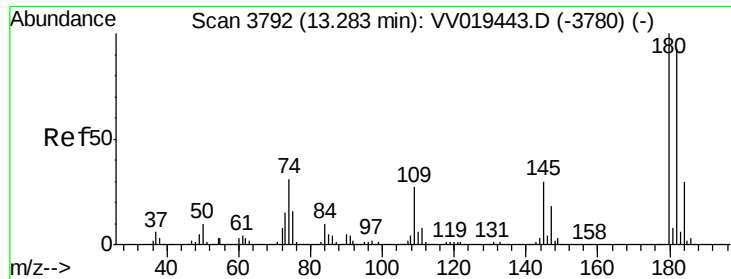


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2,4-trichlorobenzene

Concen: 9.561 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampleId :

C0FW1

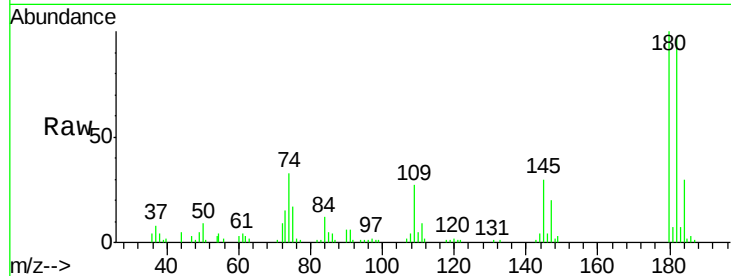
Tot Ion:180 Resp: 32917

Ion Ratio Lower Upper

180 100

182 94.9 76.3 114.5

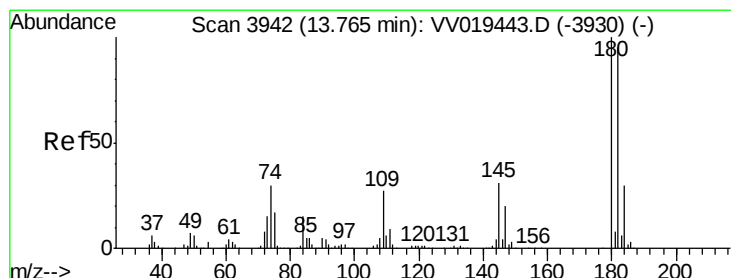
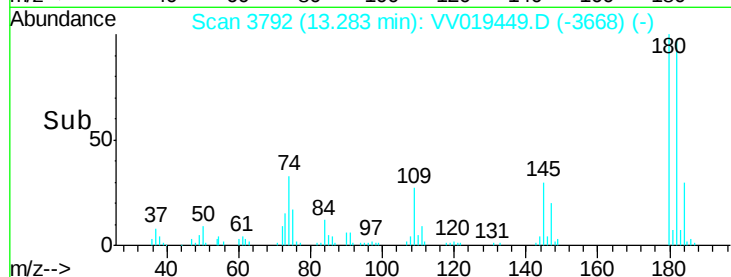
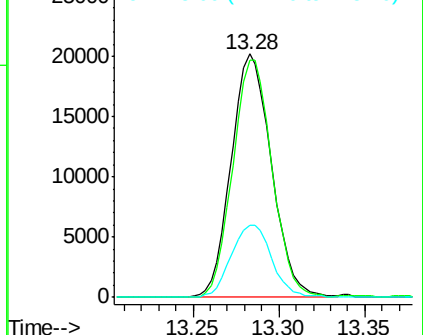
145 29.7 23.4 35.2



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: 6.957 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

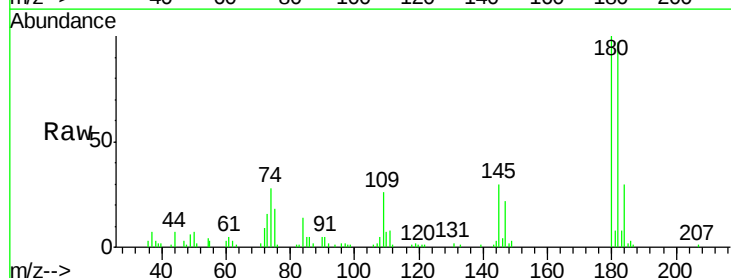
Tgt Ion:180 Resp: 25035

Ion Ratio Lower Upper

180 100

182 96.2 76.6 115.0

145 29.7 25.0 37.6



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

