

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015178.D
 Acq On : 26 Mar 2020 20:35
 Operator : SY/MD
 Sample : L1941-14RE
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:39:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 27 03:08:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	644883	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	617972	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	269681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	155519	44.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.90%
7) Chloroethane-d5	1.58	69	148770	42.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.30%
11) 1,1-Dichloroethene-d2	2.12	63	248367	31.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.96%
21) 2-Butanone-d5	3.85	46	168	0.05	ug/L	-0.09
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.05%#
24) Chloroform-d	4.38	84	288133	38.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.00%
26) 1,2-Dichloroethane-d4	5.06	65	193025	38.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.12%
32) Benzene-d6	5.08	84	560004	44.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.12%
36) 1,2-Dichloropropane-d6	6.10	67	184105	40.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.30%
41) Toluene-d8	7.34	98	522414	45.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.70%
43) trans-1,3-Dichloropropene-	7.64	79	95040	38.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.12%
47) 2-Hexanone-d5	8.12	63	190276	70.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	70.97%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	275564	35.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	70.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	197028	39.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.26%#

Target Compounds

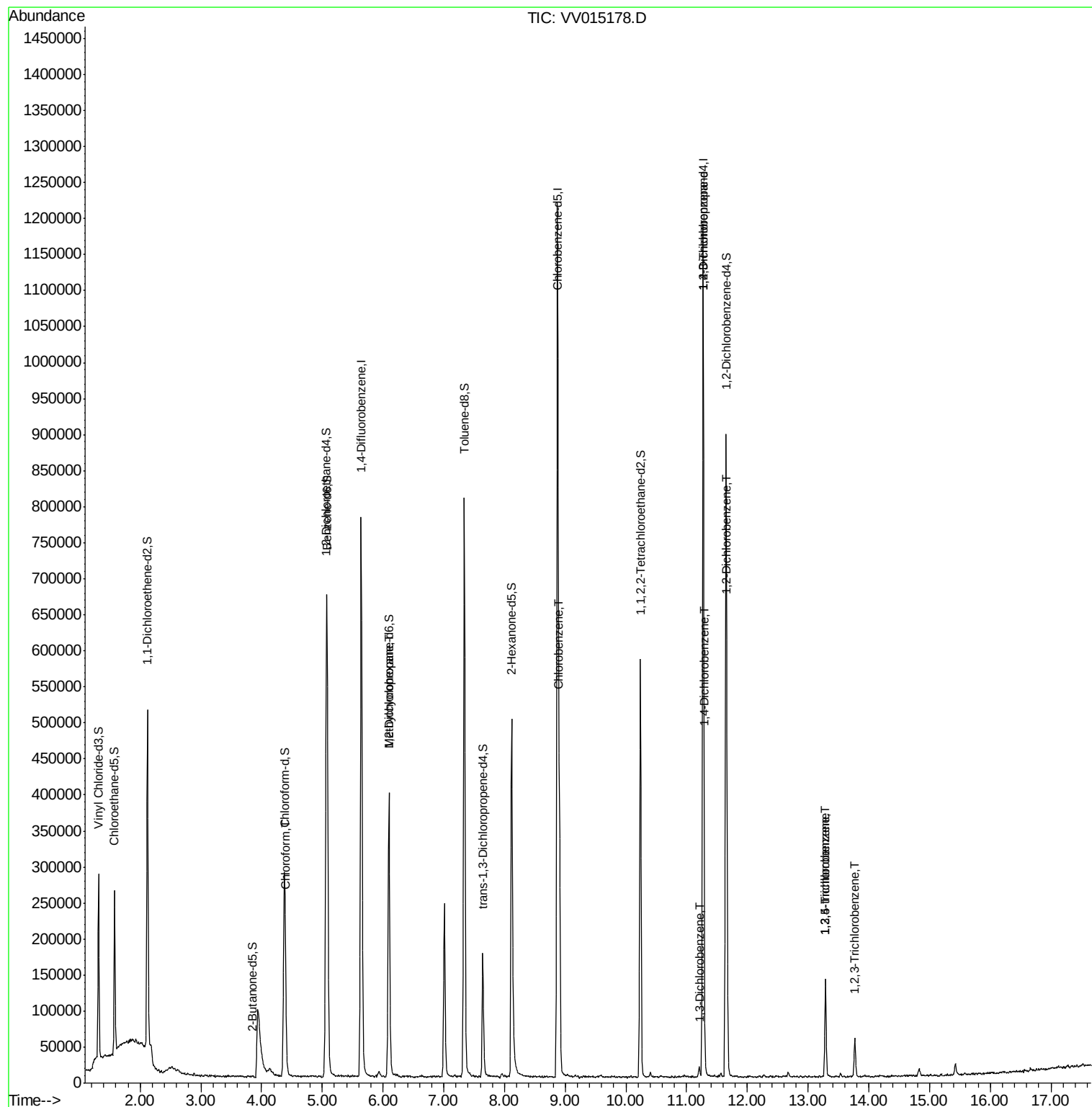
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.40	83	9073	1.055	ug/L	88
35) Methylcyclohexane	6.10	83	45580	5.723	ug/L	# 20
51) Chlorobenzene	8.90	112	199446	15.213	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	43269	6.924	ug/L	96
62) 1,3-Dichlorobenzene	11.21	146	5361	0.593	ug/L	94
63) 1,4-Dichlorobenzene	11.30	146	11397	1.248	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	59829	6.526	ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	33509	5.792	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	33509	6.072	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	13392	2.423	ug/L	98

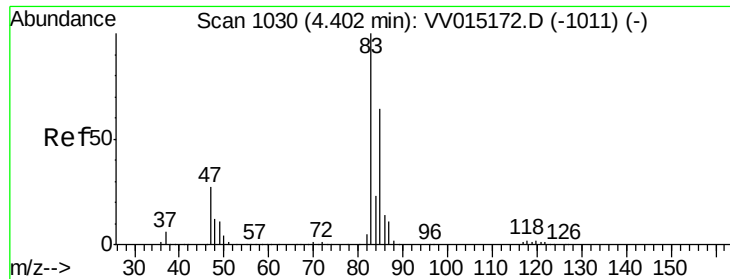
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 03:08:32 2020
Response via : Initial Calibration





#25

Chloroform

Concen: 1.055 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015178.D

Acq: 26 Mar 2020 20:35

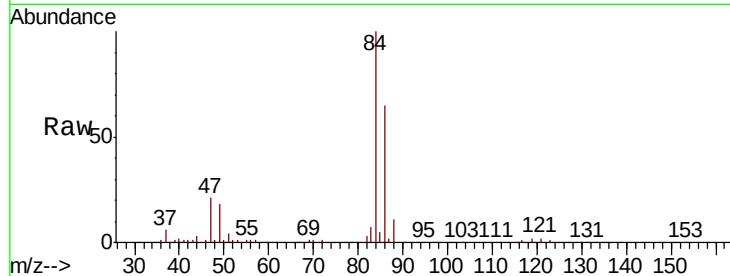
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 9073

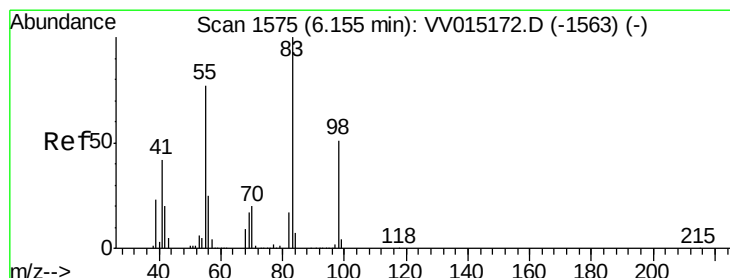
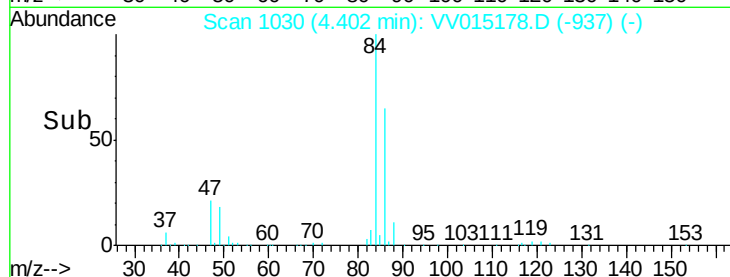
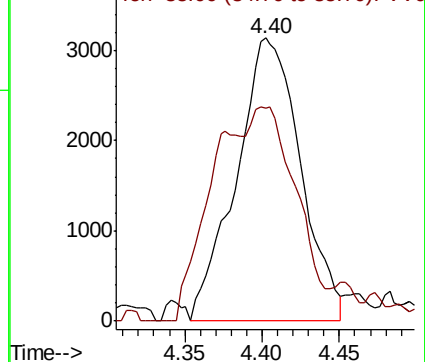
Ion Ratio Lower Upper

83 100

85 75.2 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0



#35

Methylcyclohexane

Concen: 5.723 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV015178.D

Acq: 26 Mar 2020 20:35

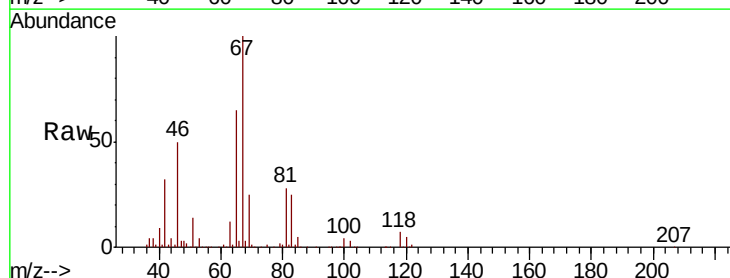
Tgt Ion: 83 Resp: 45580

Ion Ratio Lower Upper

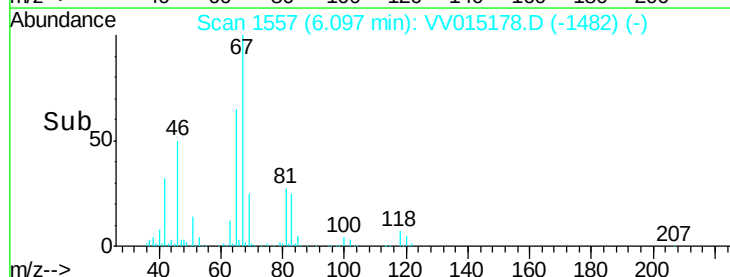
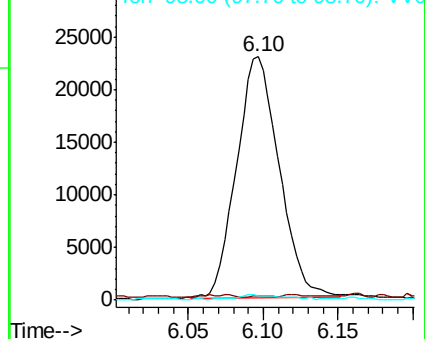
83 100

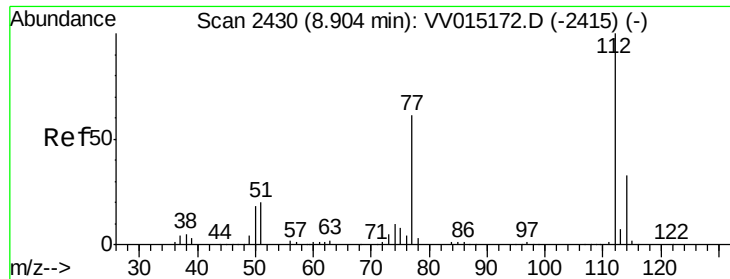
55 0.4 58.8 88.2#

98 1.4 38.8 58.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#51

Chlorobenzene

Concen: 15.213 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV015178.D

Acq: 26 Mar 2020 20:35

Instrument :

MSVOA_V

ClientSampleId :

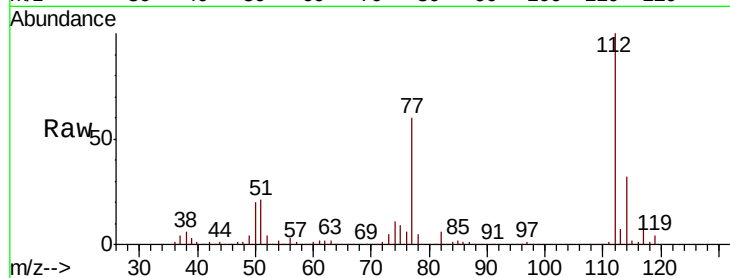
Tot Ion:112 Resp: 199446

Ion Ratio Lower Upper

112 100

114 32.1 22.1 41.1

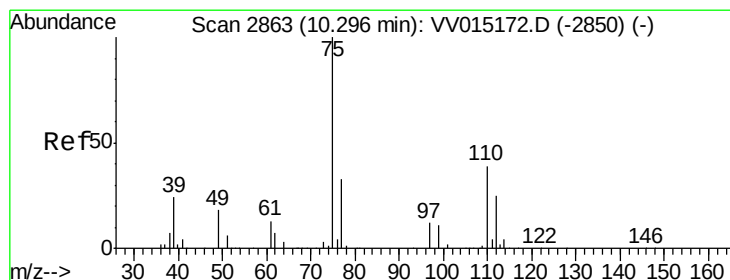
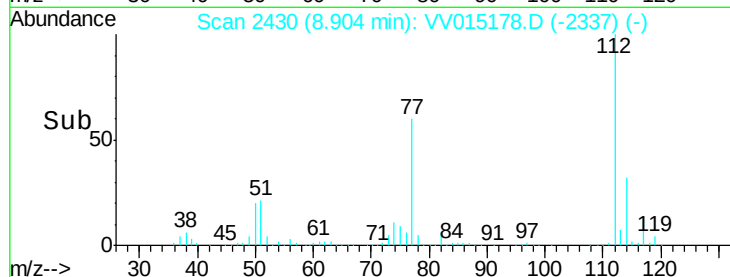
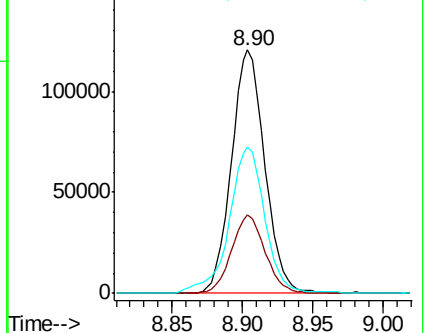
77 60.2 47.3 70.9



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): VV0



#59

1,2,3-Trichloropropane

Concen: 6.924 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV015178.D

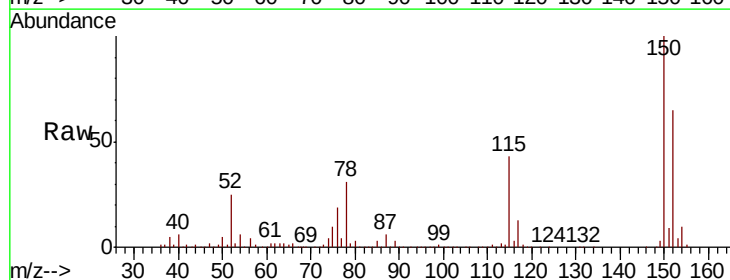
Acq: 26 Mar 2020 20:35

Tgt Ion: 75 Resp: 43269

Ion Ratio Lower Upper

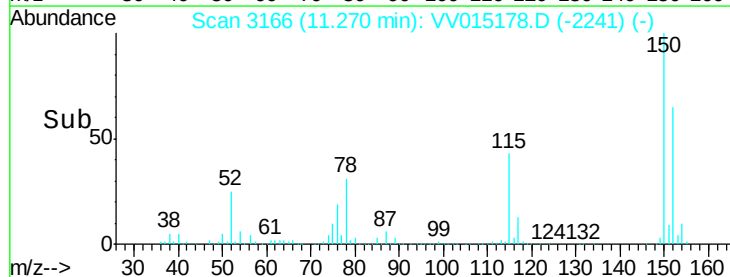
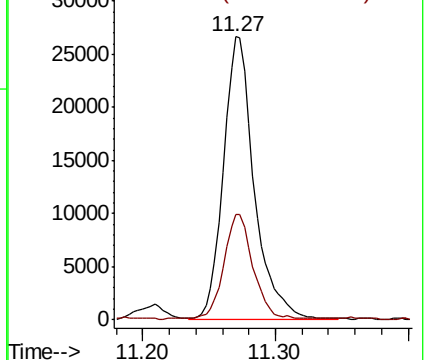
75 100

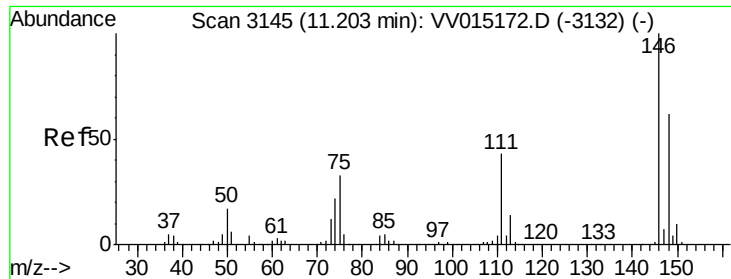
77 34.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

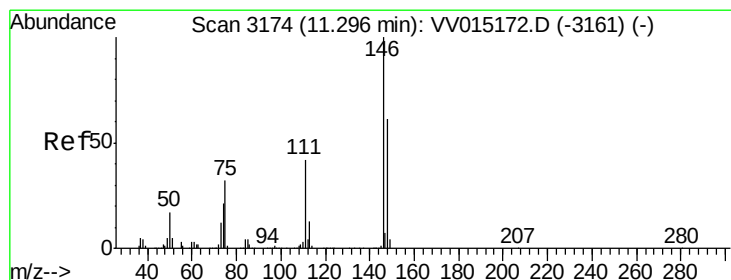
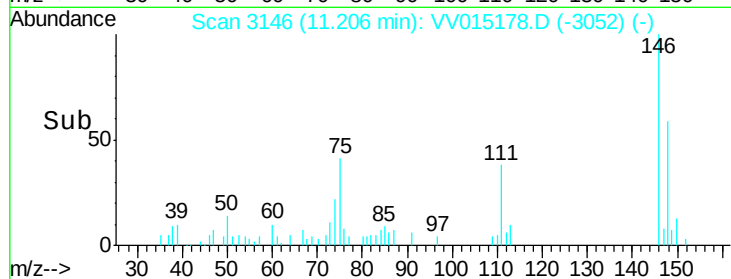
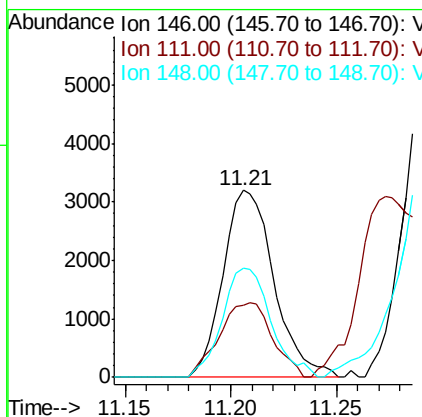
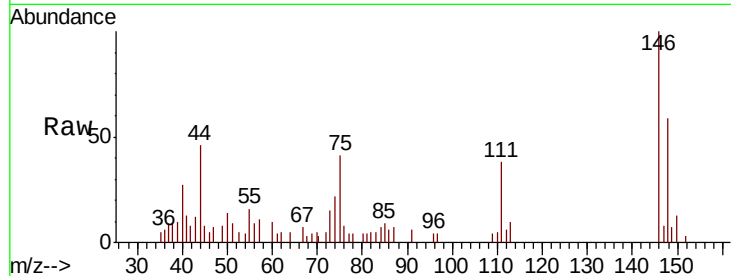




#62
 1,3-Dichlorobenzene
 Concen: 0.593 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV015178.D
 Acq: 26 Mar 2020 20:35

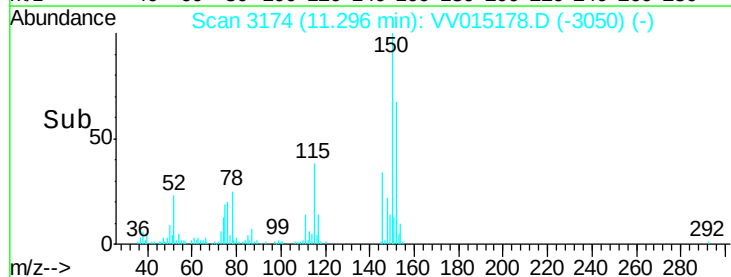
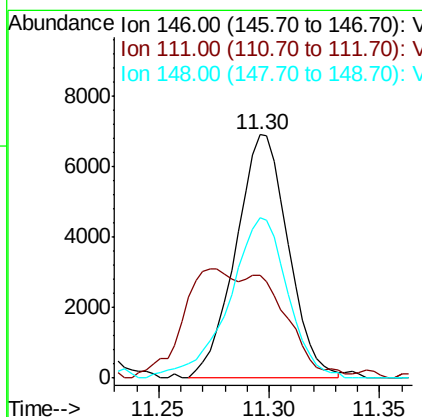
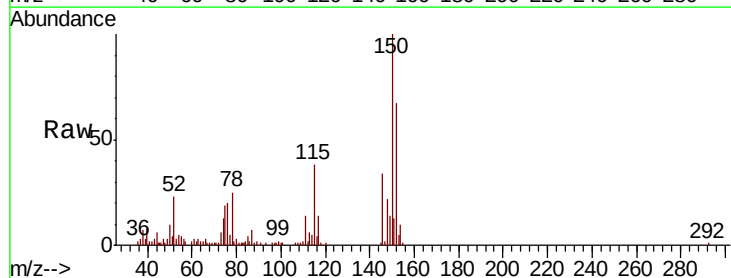
Instrument :
 MSVOA_V
 ClientSampled :

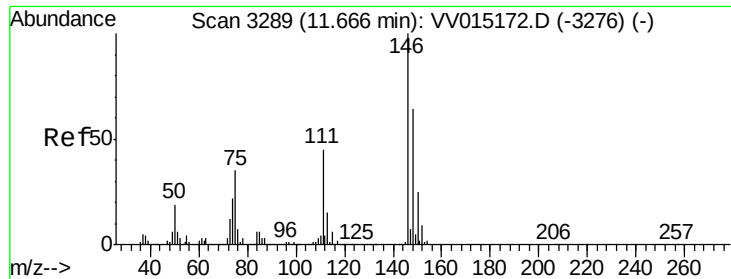
Tot Ion:146 Resp: 5361
 Ion Ratio Lower Upper
 146 100
 111 38.5 30.5 56.7
 148 58.8 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 1.248 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015178.D
 Acq: 26 Mar 2020 20:35

Tgt Ion:146 Resp: 11397
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.2 54.2
 148 65.7 44.8 83.2

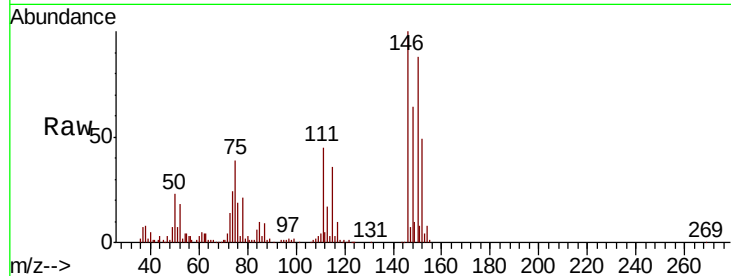




#65
 1,2-Dichlorobenzene
 Concen: 6.526 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV015178.D
 Acq: 26 Mar 2020 20:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	35.4	53.2
148	63.6	49.7	74.5

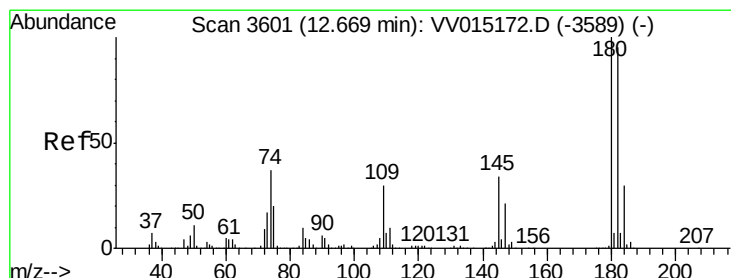
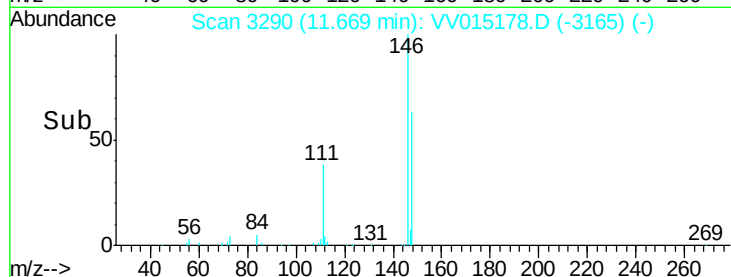
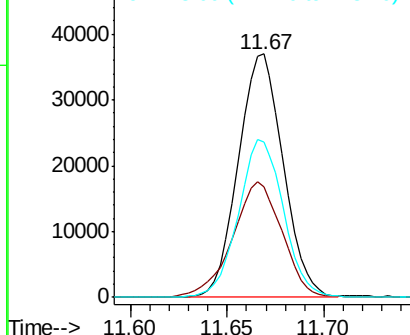


Abundance

Ion 146.00 (145.70 to 146.70): V

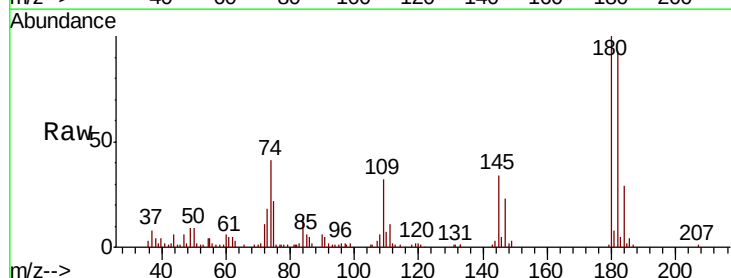
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67
 1,3,5-Trichlorobenzene
 Concen: 5.792 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV015178.D
 Acq: 26 Mar 2020 20:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
184	30.5	24.2	36.4
145	35.9	27.6	41.4



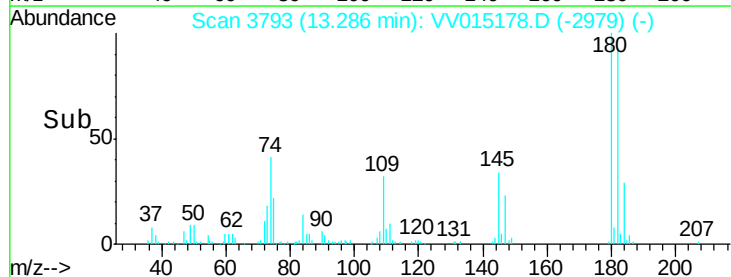
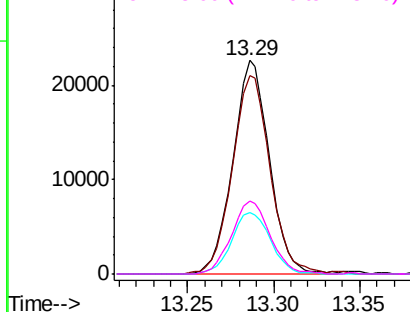
Abundance

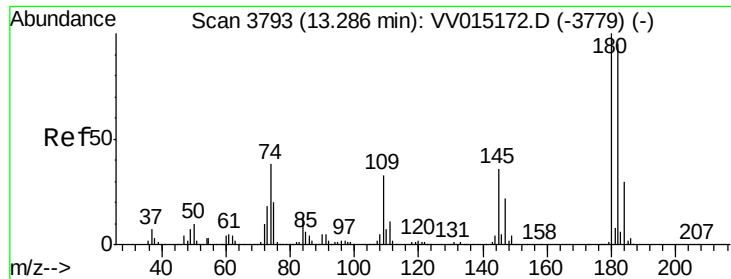
Ion 180.00 (179.70 to 180.70): V

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

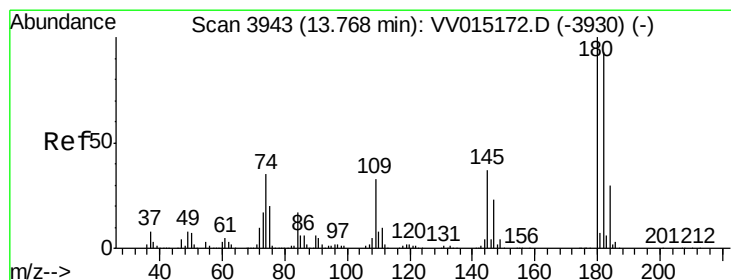
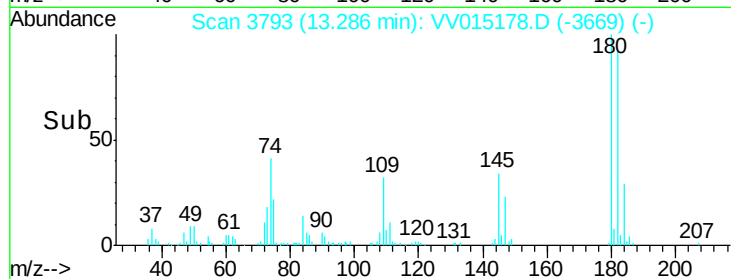
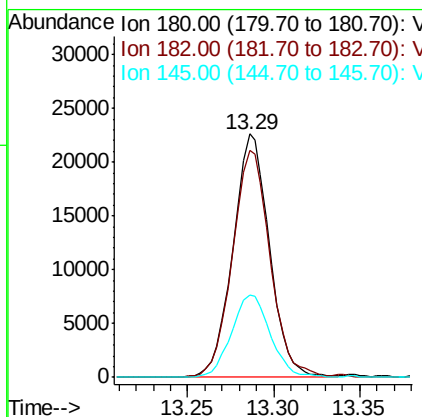
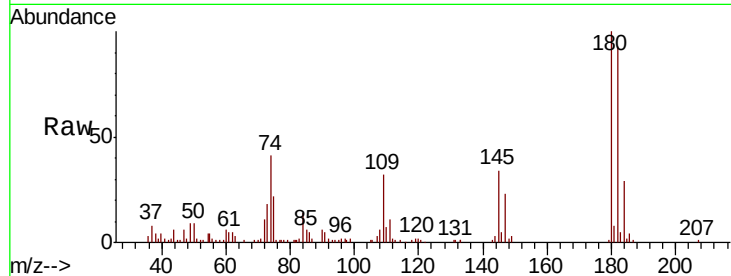




#68
 1,2,4-trichlorobenzene
 Concen: 6.072 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015178.D
 Acq: 26 Mar 2020 20:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 33509
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.2 112.8
 145 35.9 27.5 41.3



#70
 1,2,3-Trichlorobenzene
 Concen: 2.423 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015178.D
 Acq: 26 Mar 2020 20:35

Tgt Ion:180 Resp: 13392
 Ion Ratio Lower Upper
 180 100
 182 95.5 74.6 112.0
 145 39.2 29.9 44.9

