

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032620\
 Data File : VV015177.D
 Acq On : 26 Mar 2020 20:11
 Operator : SY/MD
 Sample : L1941-13RE
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 27 03:39:34 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	658830	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	623080	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	270622	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	154243	43.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.28%
7) Chloroethane-d5	1.58	69	150986	42.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.74%
11) 1,1-Dichloroethene-d2	2.12	63	245941	30.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.02%
21) 2-Butanone-d5	3.94	46	233210	66.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	66.26%
24) Chloroform-d	4.38	84	286045	36.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.84%
26) 1,2-Dichloroethane-d4	5.06	65	189622	37.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.16%
32) Benzene-d6	5.08	84	559418	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.30%
36) 1,2-Dichloropropane-d6	6.10	67	183988	39.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	79.60%
41) Toluene-d8	7.34	98	514377	44.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.58%
43) trans-1,3-Dichloropropene-	7.64	79	95480	37.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.84%
47) 2-Hexanone-d5	8.12	63	182365	67.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	67.46%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	269005	34.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	68.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	195006	38.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.18%#

Target Compounds

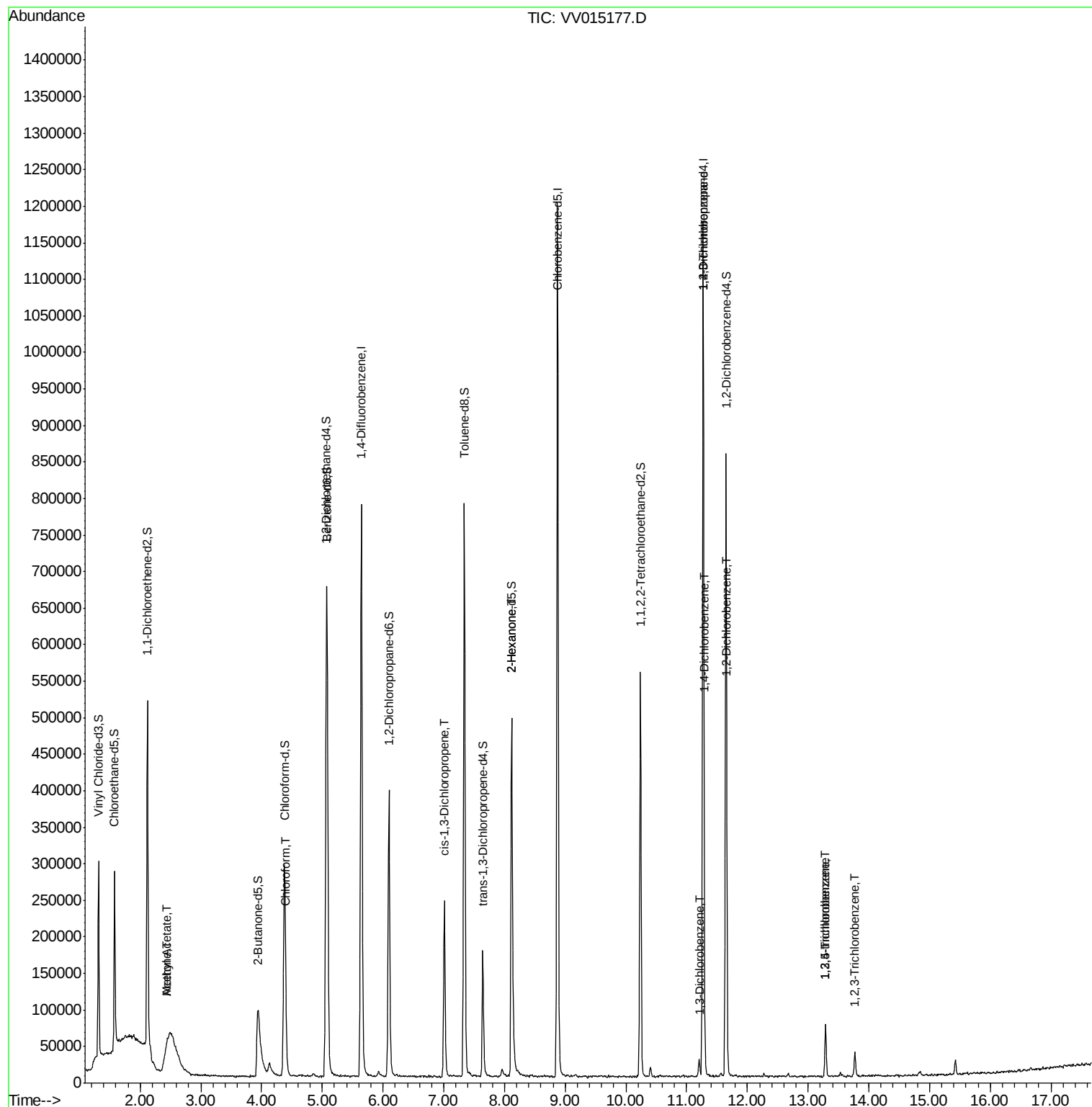
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.43	43	8188	3.364	ug/L	100
15) Methyl Acetate	2.43	43	8188	1.625	ug/L #	52
25) Chloroform	4.41	83	12852	1.463	ug/L	95
39) cis-1,3-Dichloropropene	7.01	75	6402	0.808	ug/L #	67
48) 2-Hexanone	8.12	43	22274	3.944	ug/L #	85
59) 1,2,3-Trichloropropane	11.27	75	44801	7.111	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	7652	0.843	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	17718	1.933	ug/L	91
65) 1,2-Dichlorobenzene	11.67	146	11815	1.284	ug/L #	93
67) 1,3,5-Trichlorobenzene	13.29	180	18740	3.228	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	18740	3.384	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	7550	1.362	ug/L	87

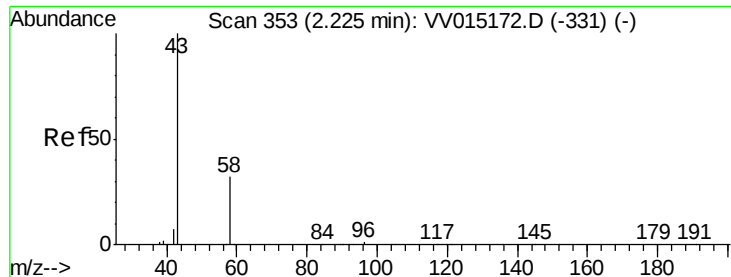
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV032620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032620WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 27 03:08:32 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.364 ug/L

RT: 2.43 min Scan# 416

Delta R.T. 0.20 min

Lab File: VV015177.D

Acq: 26 Mar 2020 20:11

Instrument :

MSVOA_V

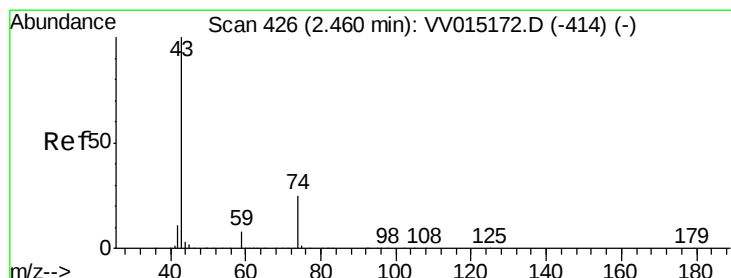
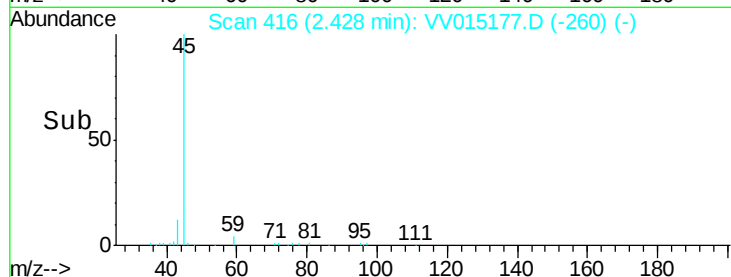
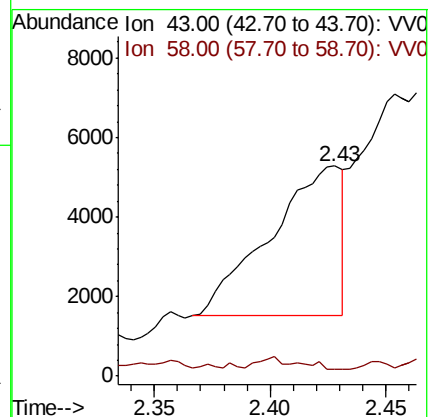
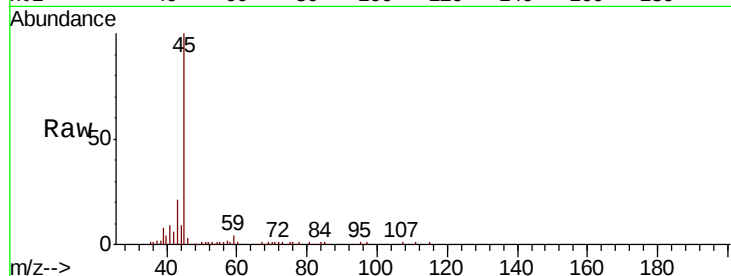
ClientSampleId :

Tot Ion: 43 Resp: 8188

Ion Ratio Lower Upper

43 100

58 0.0 0.0 0.2



#15

Methyl Acetate

Concen: 1.625 ug/L

RT: 2.43 min Scan# 416

Delta R.T. -0.03 min

Lab File: VV015177.D

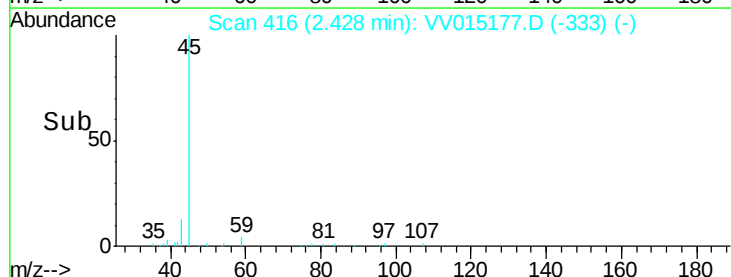
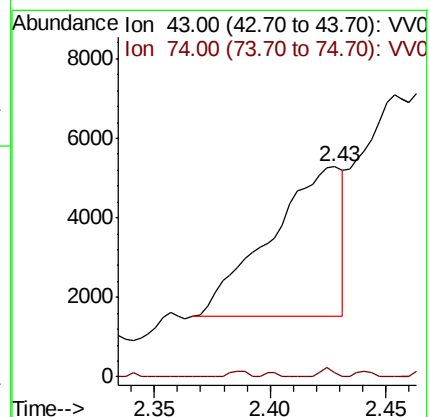
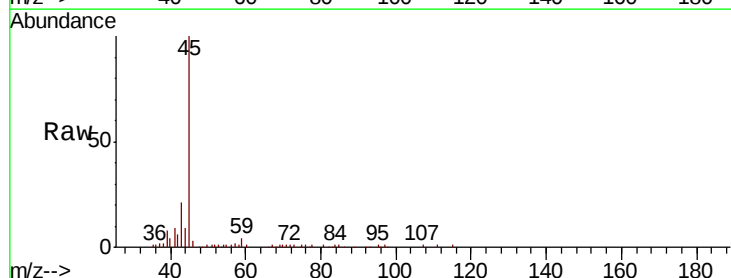
Acq: 26 Mar 2020 20:11

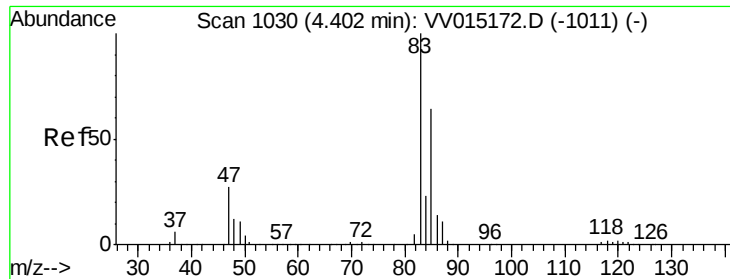
Tgt Ion: 43 Resp: 8188

Ion Ratio Lower Upper

43 100

74 1.0 20.0 30.0#

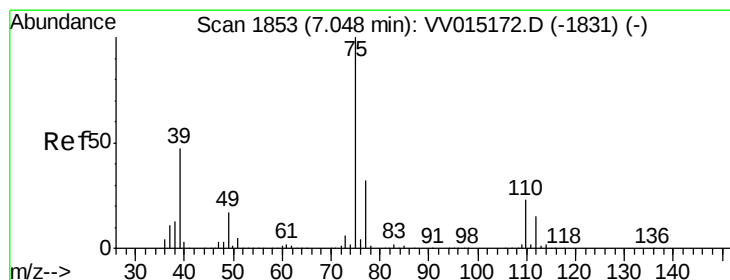
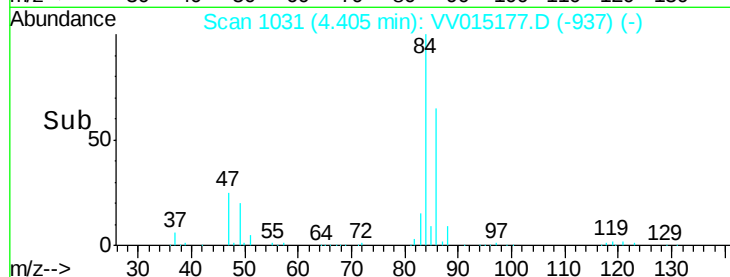
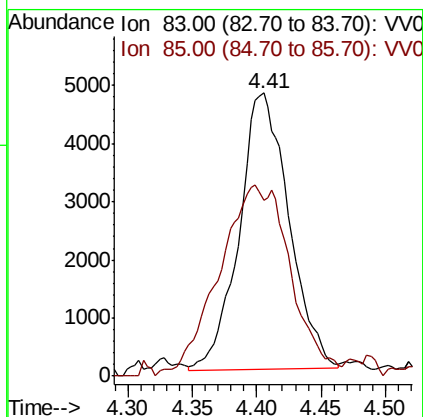
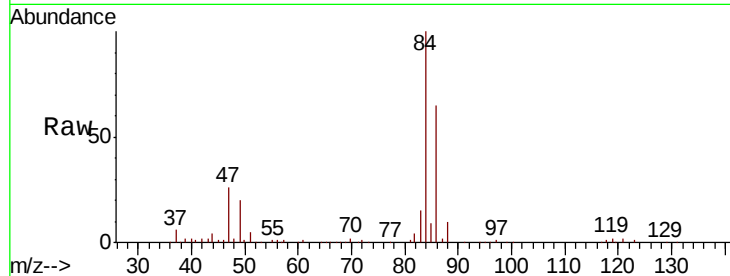




#25
Chloroform
Concen: 1.463 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015177.D
Acq: 26 Mar 2020 20:11

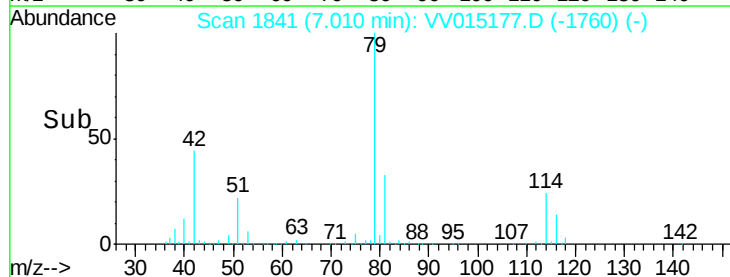
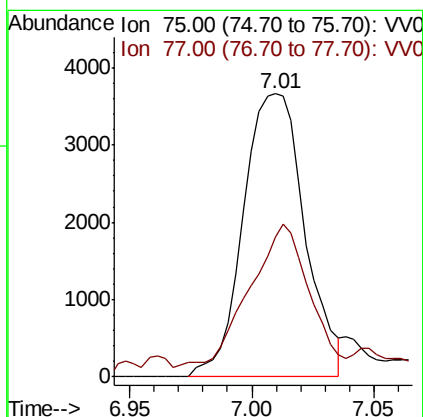
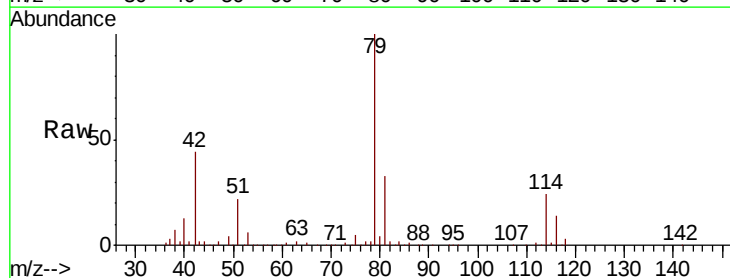
Instrument :
MSVOA_V
ClientSampled :

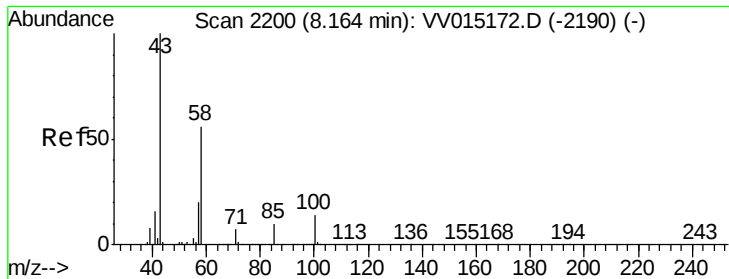
Tot Ion: 83 Resp: 12852
Ion Ratio Lower Upper
83 100
85 62.0 46.2 85.8



#39
cis-1,3-Dichloropropene
Concen: 0.808 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV015177.D
Acq: 26 Mar 2020 20:11

Tgt Ion: 75 Resp: 6402
Ion Ratio Lower Upper
75 100
77 49.4 21.7 40.3#

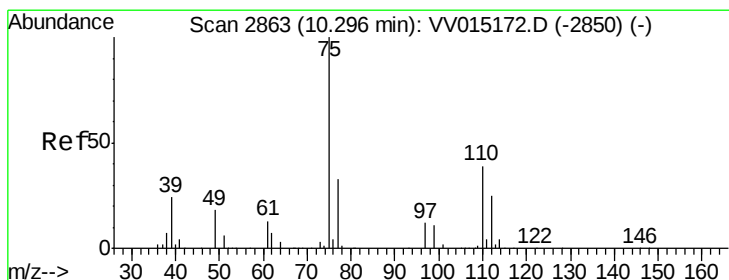
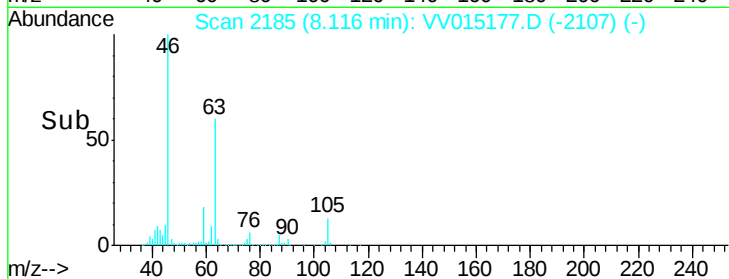
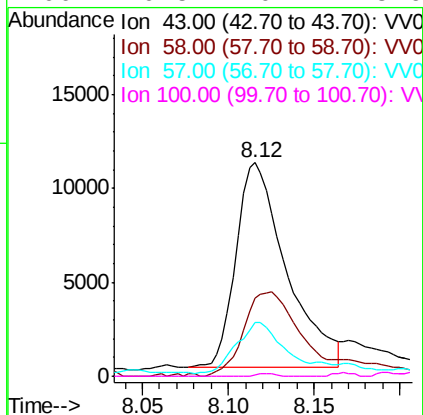
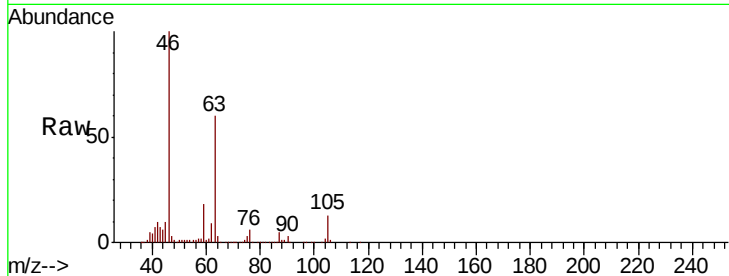




#48
2-Hexanone
Concen: 3.944 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV015177.D
Acq: 26 Mar 2020 20:11

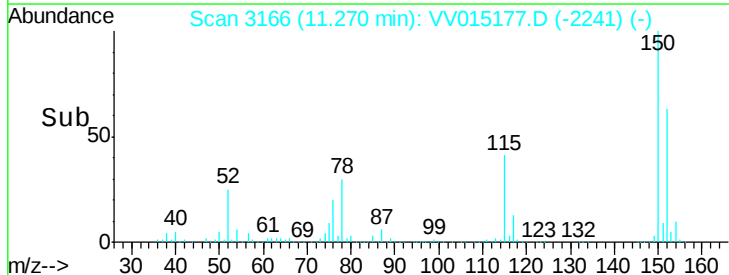
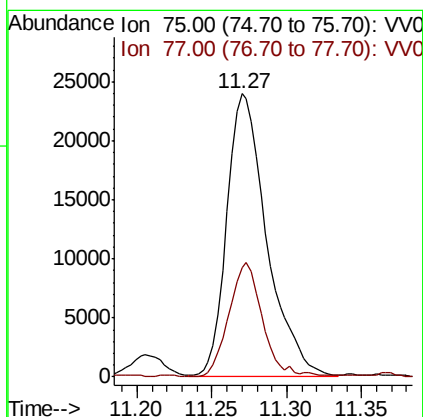
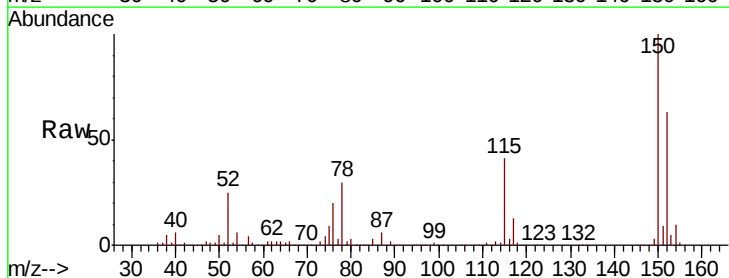
Instrument :
MSVOA_V
ClientSampleId :

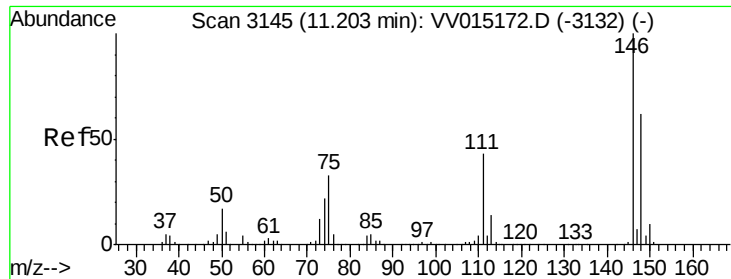
Tot Ion: 43 Resp: 22274
Ion Ratio Lower Upper
43 100
58 45.4 44.3 66.5
57 22.4 15.4 23.0
100 0.5 10.4 15.6#



#59
1,2,3-Trichloropropane
Concen: 7.111 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV015177.D
Acq: 26 Mar 2020 20:11

Tgt Ion: 75 Resp: 44801
Ion Ratio Lower Upper
75 100
77 32.6 25.5 38.3





#62

1,3-Dichlorobenzene

Concen: 0.843 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV015177.D

Acq: 26 Mar 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

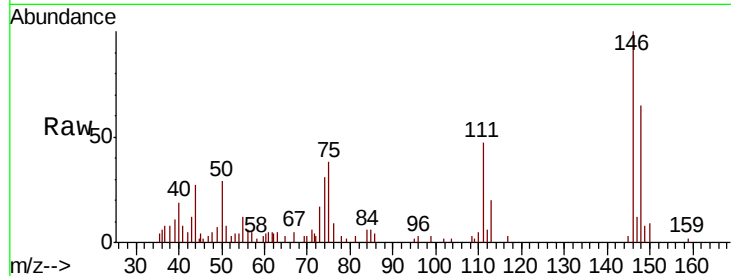
Tot Ion:146 Resp: 7652

Ion Ratio Lower Upper

146 100

111 47.5 30.5 56.7

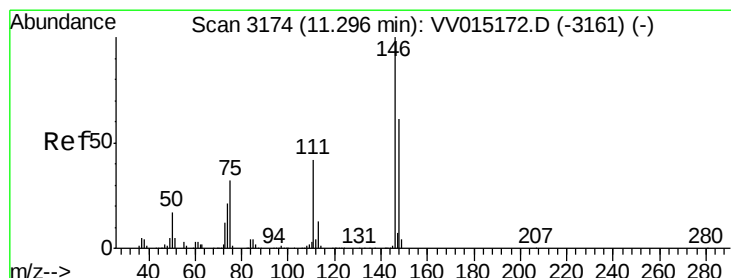
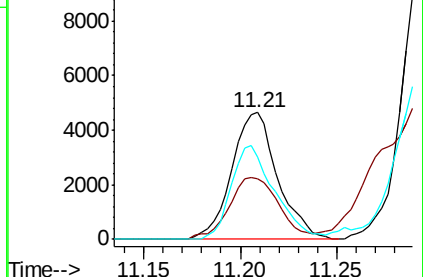
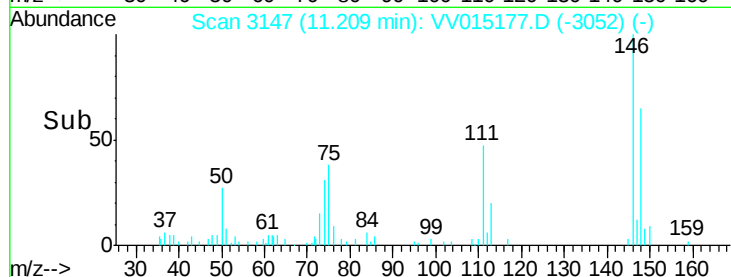
148 64.8 44.0 81.6



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: 1.933 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015177.D

Acq: 26 Mar 2020 20:11

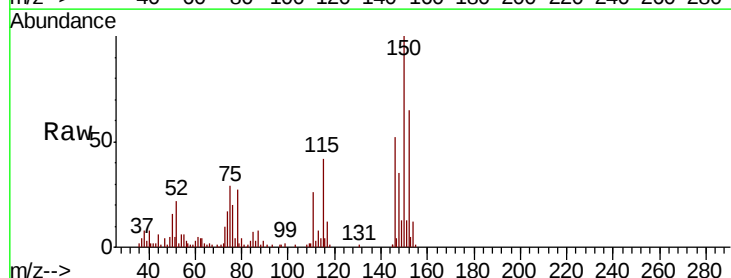
Tgt Ion:146 Resp: 17718

Ion Ratio Lower Upper

146 100

111 49.6 29.2 54.2

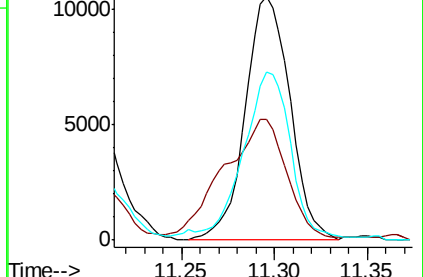
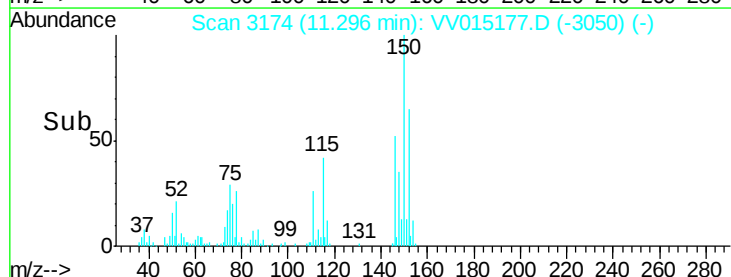
148 68.8 44.8 83.2

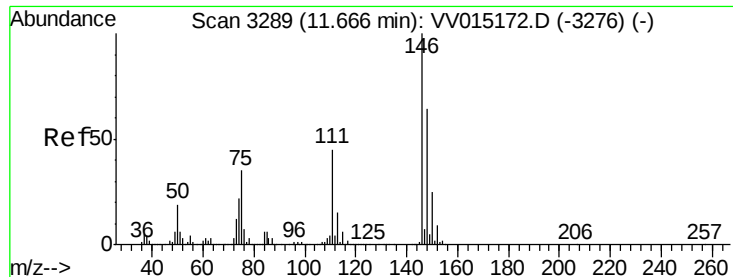


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.284 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015177.D

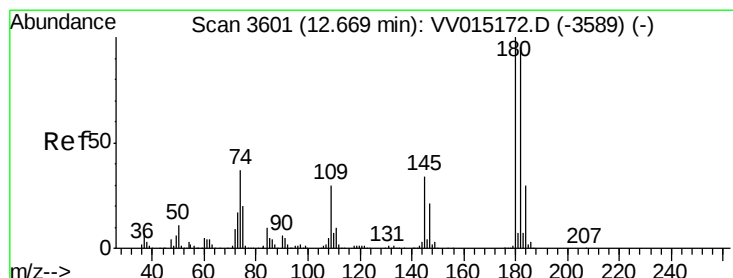
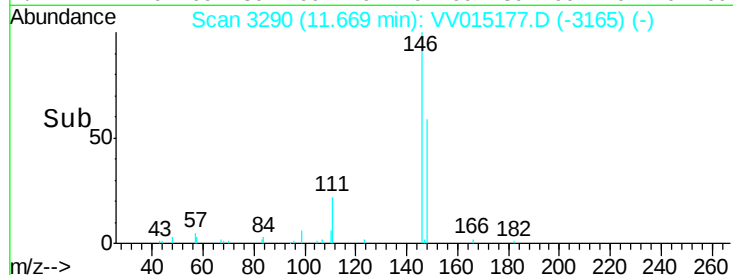
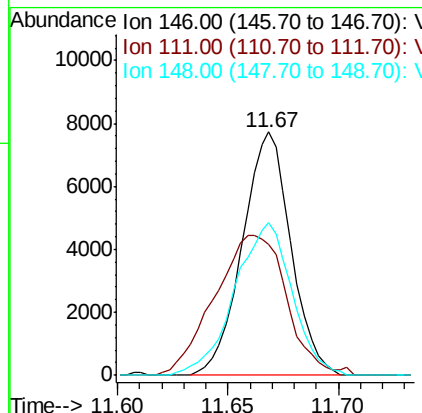
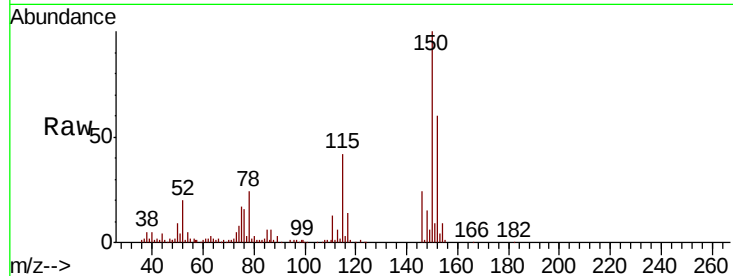
Acq: 26 Mar 2020 20:11

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	11815
Ion Ratio	Lower	Upper
146	100	
111	54.1	35.4 53.2#
148	62.6	49.7 74.5



#67

1,3,5-Trichlorobenzene

Concen: 3.228 ug/L

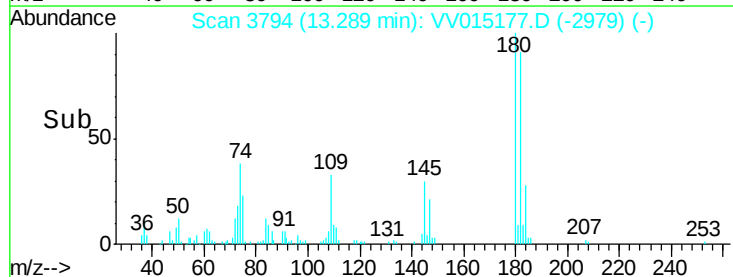
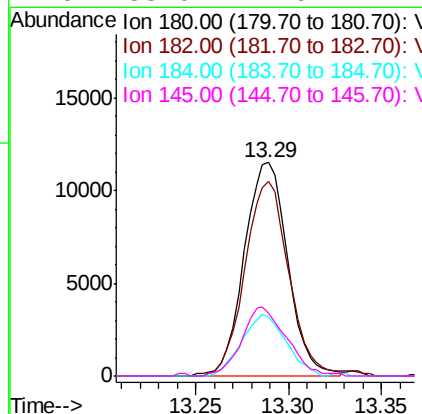
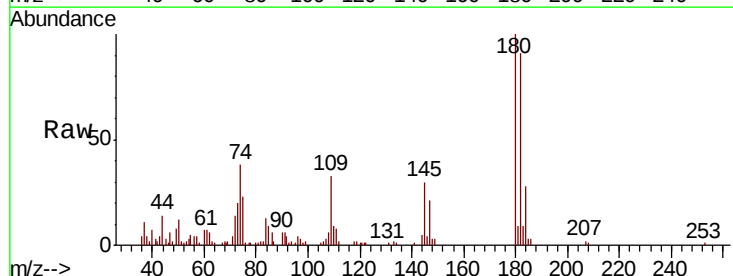
RT: 13.29 min Scan# 3794

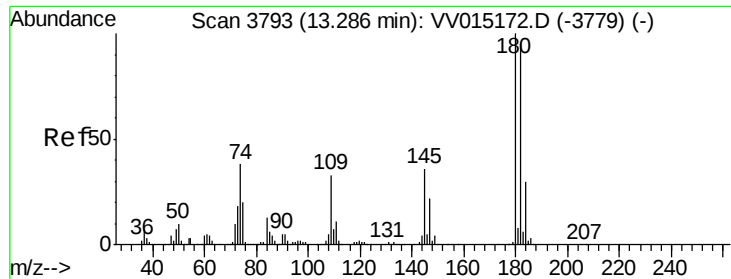
Delta R.T. 0.62 min

Lab File: VV015177.D

Acq: 26 Mar 2020 20:11

Tgt Ion:180	Resp:	18740
Ion Ratio	Lower	Upper
180	100	
182	91.2	76.6 114.8
184	29.5	24.2 36.4
145	33.0	27.6 41.4

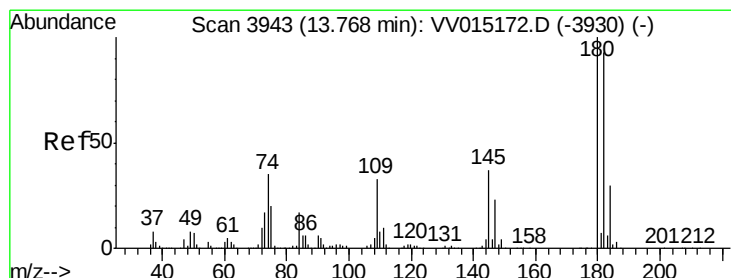
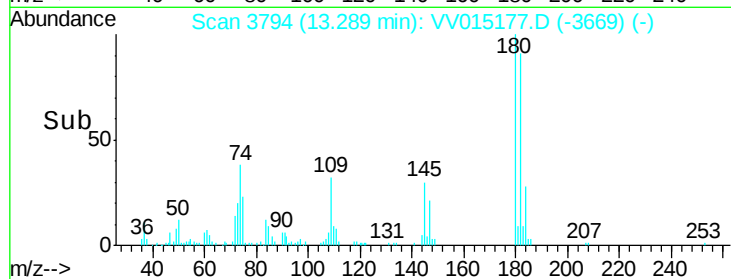
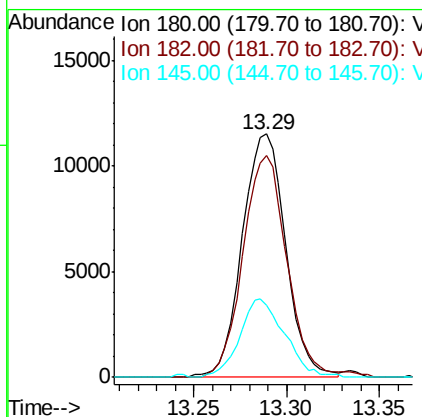
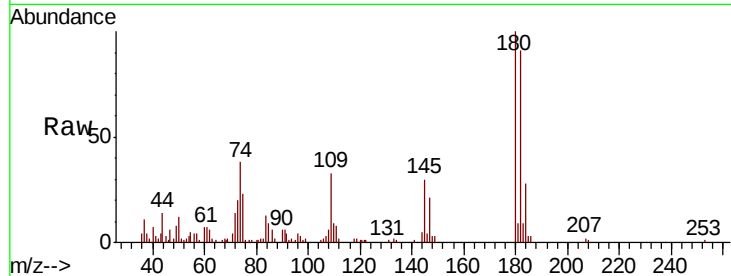




#68
 1,2,4-trichlorobenzene
 Concen: 3.384 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015177.D
 Acq: 26 Mar 2020 20:11

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:180 Resp: 18740
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.2 112.8
 145 33.0 27.5 41.3



#70
 1,2,3-Trichlorobenzene
 Concen: 1.362 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015177.D
 Acq: 26 Mar 2020 20:11

Tgt Ion:180 Resp: 7550
 Ion Ratio Lower Upper
 180 100
 182 106.8 74.6 112.0
 145 44.4 29.9 44.9

