

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015228.D
 Acq On : 28 Mar 2020 06:21
 Operator : SY/MD
 Sample : L2003-04
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 07:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032720WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 28 05:21:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	639960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	593150	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	249760	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139709	53.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.60%
7) Chloroethane-d5	1.58	69	138135	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.26%
11) 1,1-Dichloroethene-d2	2.12	63	228716	35.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.44%
21) 2-Butanone-d5	3.69	46	81	0.03	ug/L	-0.25
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.03%#
24) Chloroform-d	4.38	84	285743	42.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.38%
26) 1,2-Dichloroethane-d4	5.06	65	192456	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.20%
32) Benzene-d6	5.08	84	544327	52.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.24%
36) 1,2-Dichloropropane-d6	6.09	67	182231	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.18%
41) Toluene-d8	7.34	98	492047	53.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.92%
43) trans-1,3-Dichloropropene-	7.64	79	90000	43.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.10%
47) 2-Hexanone-d5	8.12	63	174653	77.36	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.36%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	266668	38.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	77.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	189380	44.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.90%

Target Compounds

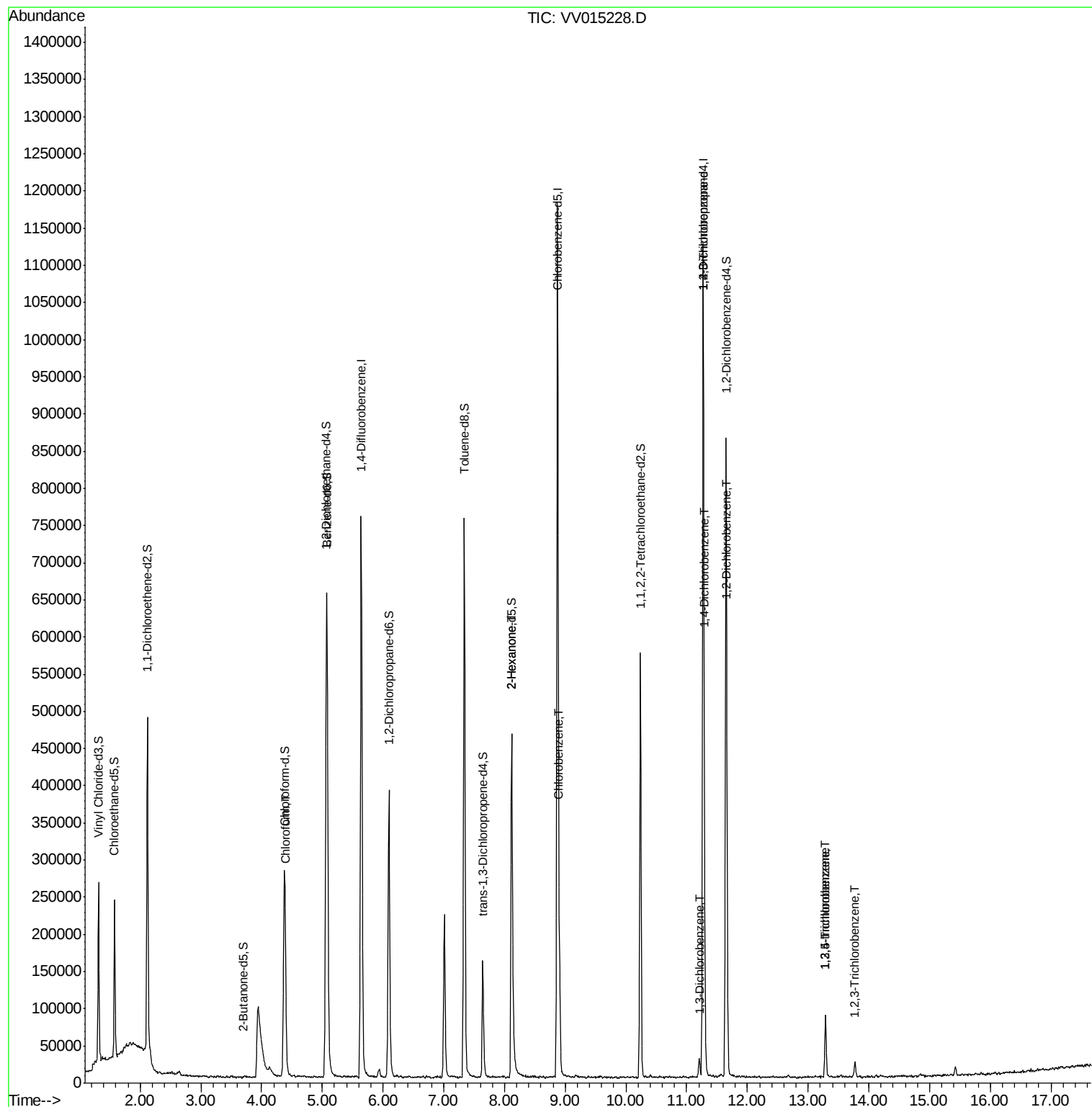
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	4.40	83	7750	0.944	ug/L	89
48) 2-Hexanone	8.12	43	22116	4.716	ug/L #	83
51) Chlorobenzene	8.90	112	80753	6.748	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	41043	7.269	ug/L	92
62) 1,3-Dichlorobenzene	11.21	146	8466	1.089	ug/L	89
63) 1,4-Dichlorobenzene	11.30	146	67638	8.657	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	53644	6.730	ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	20808	4.216	ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	20808	4.533	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	5175	1.099	ug/L	95

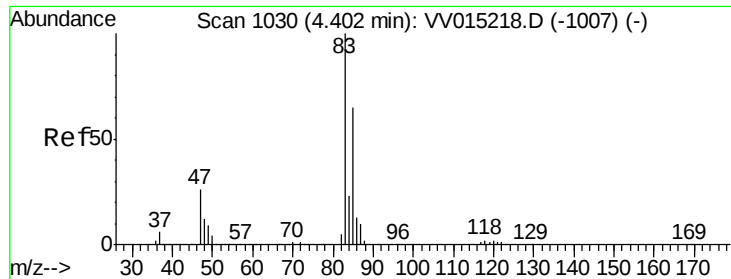
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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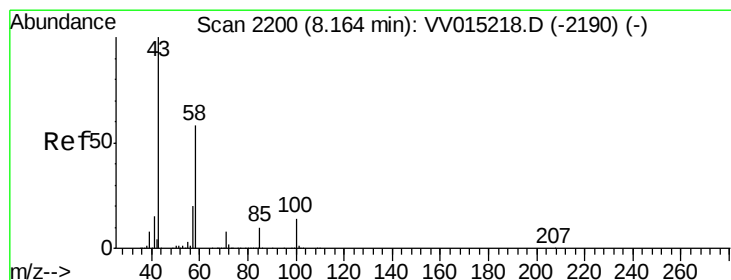
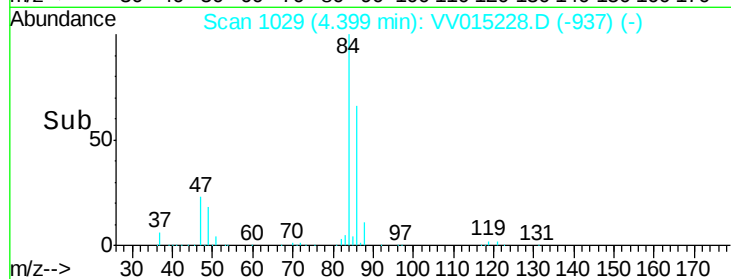
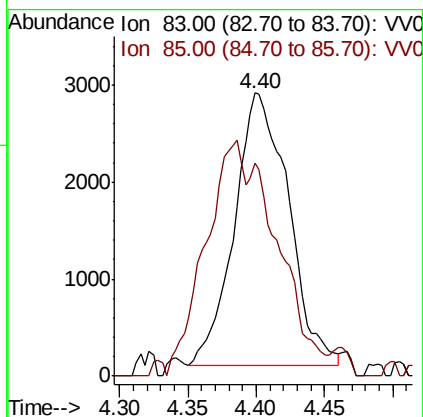
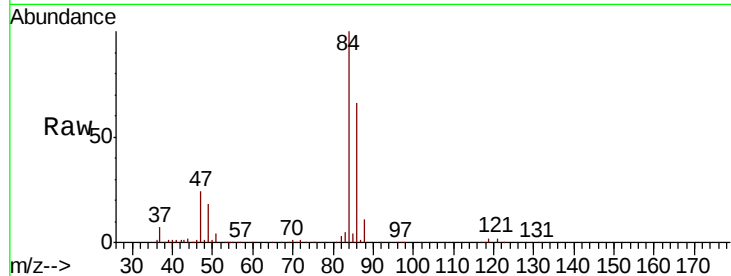




#25
Chloroform
Concen: 0.944 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015228.D
Acq: 28 Mar 2020 06:21

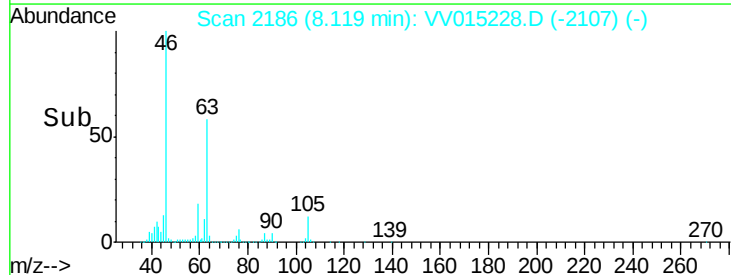
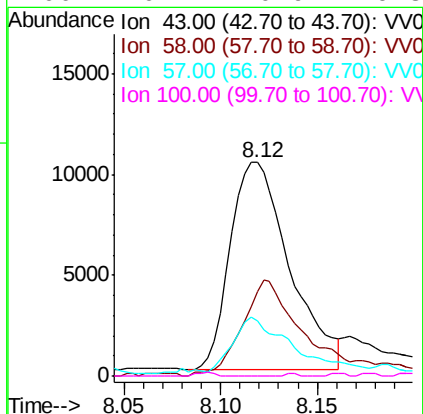
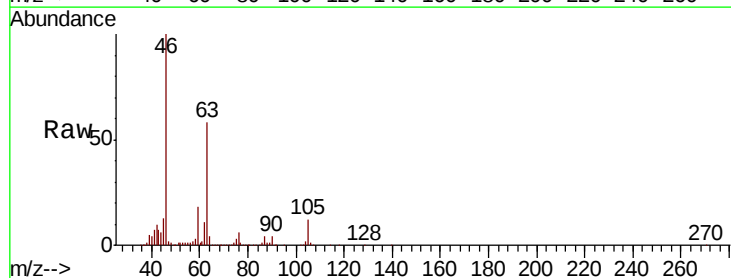
Instrument :
MSVOA_V
ClientSampleId :

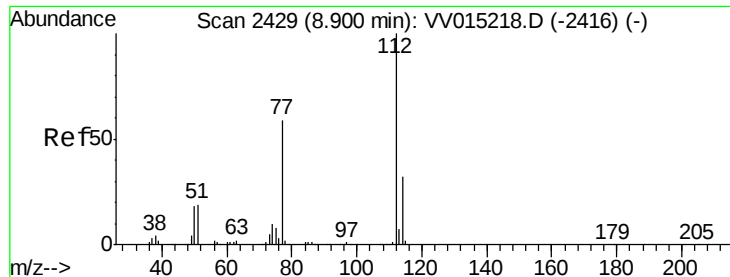
Tot Ion: 83 Resp: 7750
Ion Ratio Lower Upper
83 100
85 75.0 46.2 85.8



#48
2-Hexanone
Concen: 4.716 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015228.D
Acq: 28 Mar 2020 06:21

Tgt Ion: 43 Resp: 22116
Ion Ratio Lower Upper
43 100
58 45.2 45.5 68.3#
57 16.1 15.8 23.6
100 0.2 10.9 16.3#





#51

Chlorobenzene

Concen: 6.748 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015228.D

Acq: 28 Mar 2020 06:21

Instrument :

MSVOA_V

ClientSampleId :

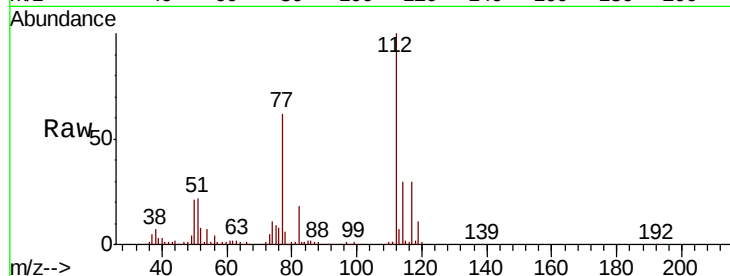
Tot Ion:112 Resp: 80753

Ion Ratio Lower Upper

112 100

114 30.1 22.3 41.5

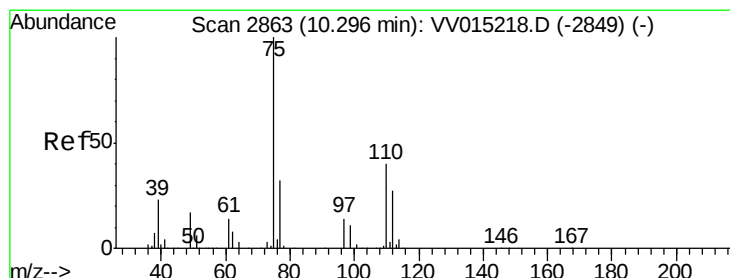
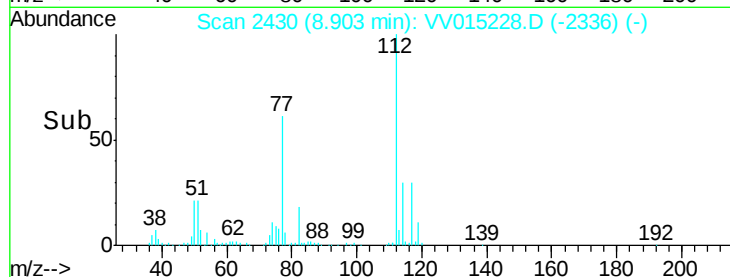
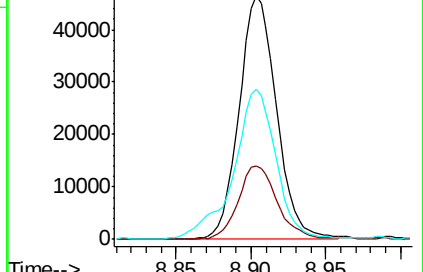
77 61.8 48.2 72.2



Abundance Ion 112.00 (111.70 to 112.70): VV015228.D (-2336) (-)

Ion 114.00 (113.70 to 114.70): VV015228.D (-2336) (-)

Ion 77.00 (76.70 to 77.70): VV015228.D (-2336) (-)



#59

1,2,3-Trichloropropane

Concen: 7.269 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV015228.D

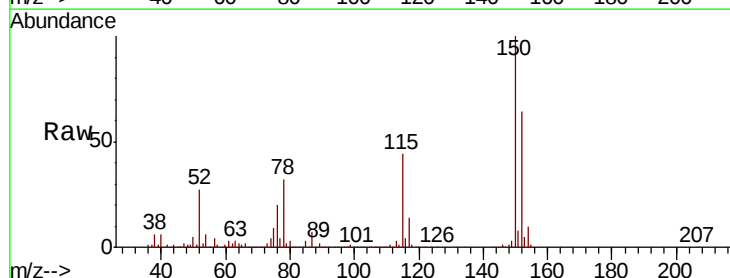
Acq: 28 Mar 2020 06:21

Tgt Ion: 75 Resp: 41043

Ion Ratio Lower Upper

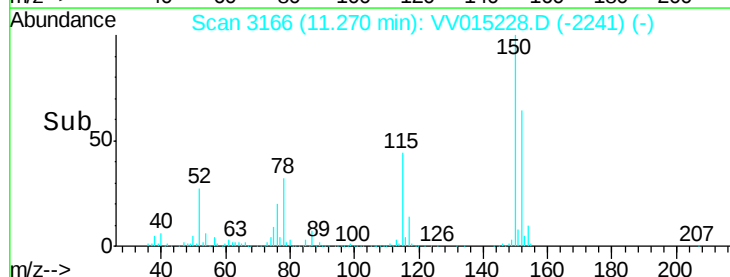
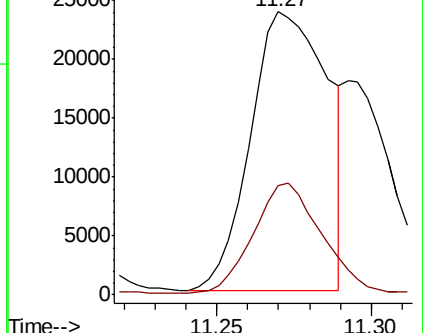
75 100

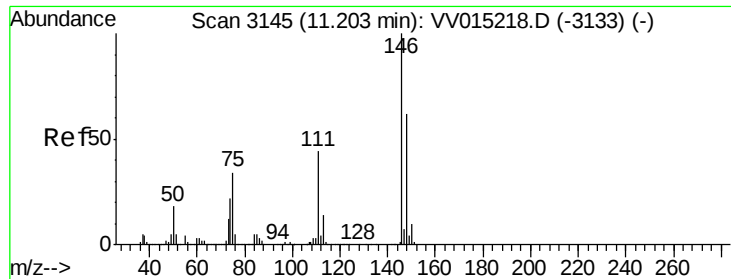
77 36.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015228.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015228.D (-2241) (-)

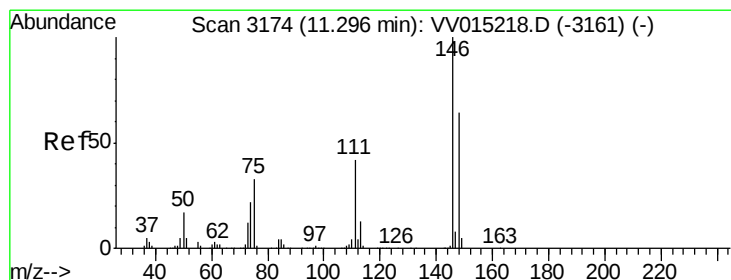
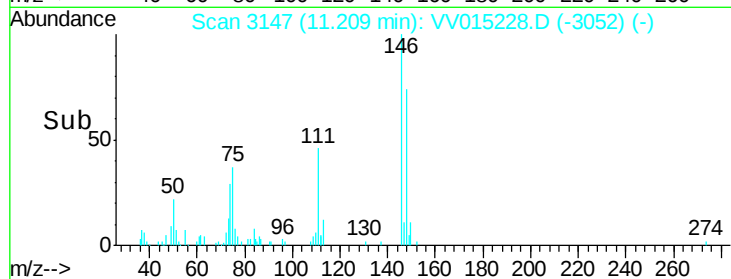
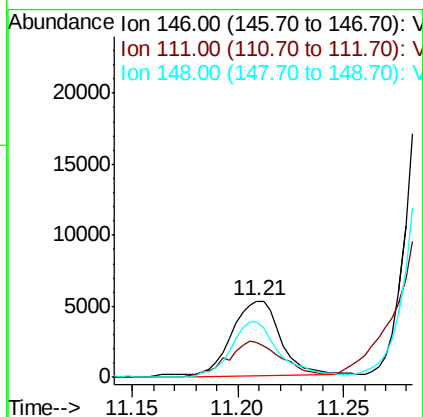
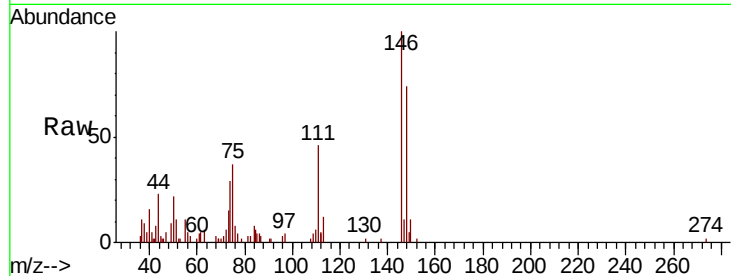




#62
 1,3-Dichlorobenzene
 Concen: 1.089 ug/L
 RT: 11.21 min Scan# 3147
 Delta R.T. 0.01 min
 Lab File: VV015228.D
 Acq: 28 Mar 2020 06:21

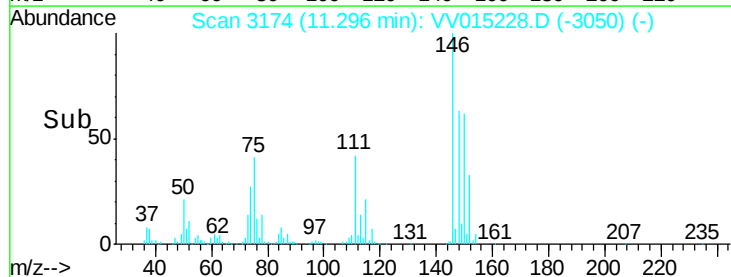
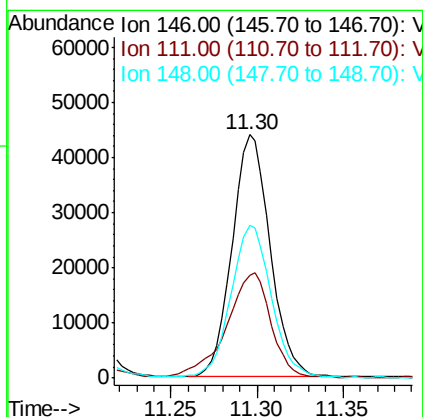
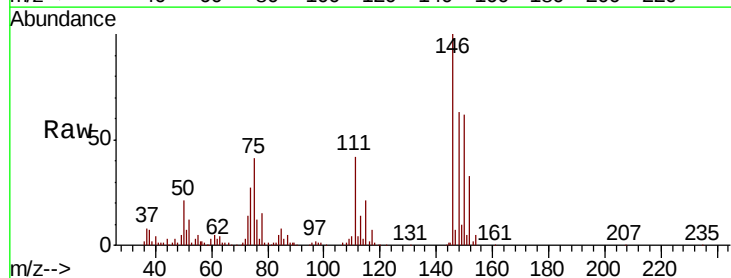
Instrument :
 MSVOA_V
 ClientSampleId :

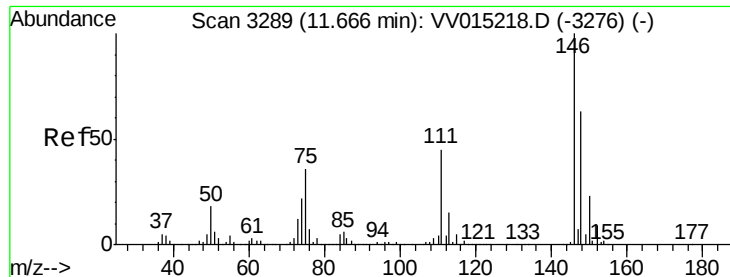
Tot Ion:146 Resp: 8466
 Ion Ratio Lower Upper
 146 100
 111 50.5 32.1 59.7
 148 73.7 44.0 81.6



#63
 1,4-Dichlorobenzene
 Concen: 8.657 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015228.D
 Acq: 28 Mar 2020 06:21

Tgt Ion:146 Resp: 67638
 Ion Ratio Lower Upper
 146 100
 111 42.2 29.4 54.6
 148 62.8 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 6.730 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015228.D

Acq: 28 Mar 2020 06:21

Instrument :

MSVOA_V

ClientSampleId :

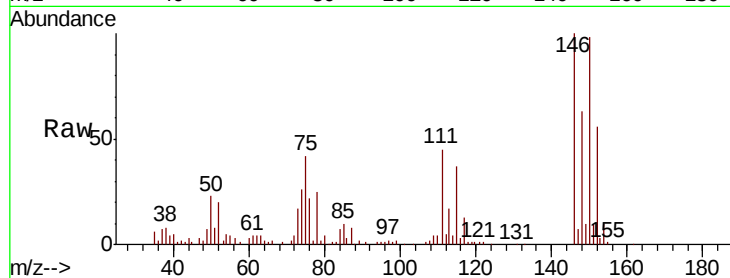
Tot Ion:146 Resp: 53644

Ion Ratio Lower Upper

146 100

111 44.9 37.6 56.4

148 63.4 50.6 76.0

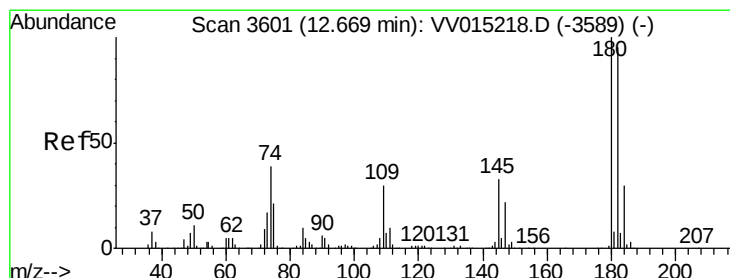
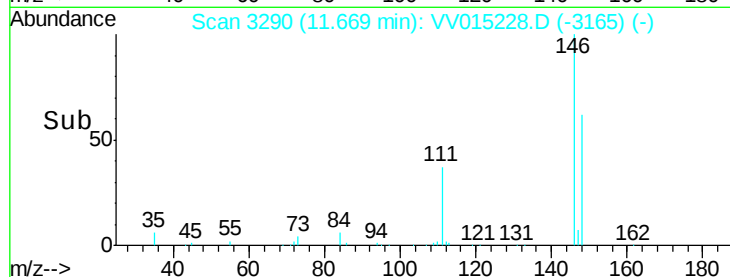
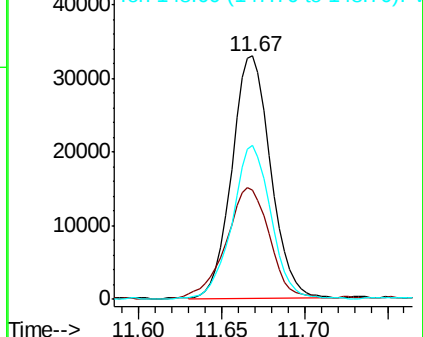


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 4.216 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015228.D

Acq: 28 Mar 2020 06:21

Tgt Ion:180 Resp: 20808

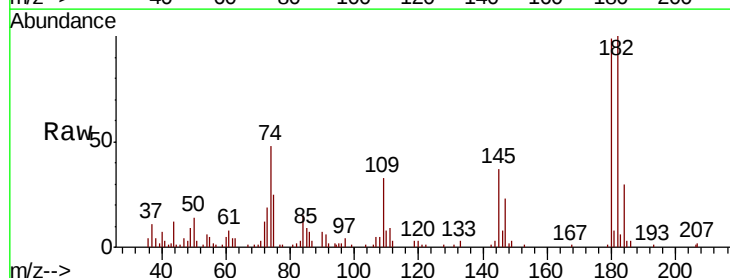
Ion Ratio Lower Upper

180 100

182 99.4 75.4 113.0

184 31.3 23.8 35.8

145 35.2 26.9 40.3



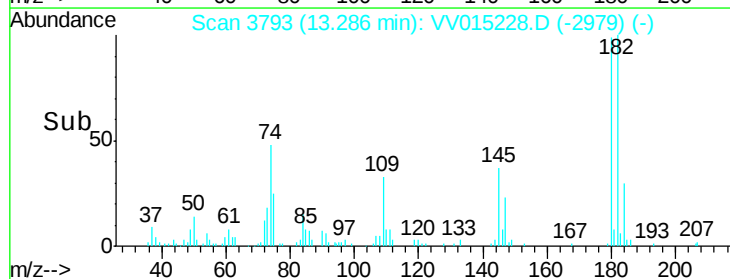
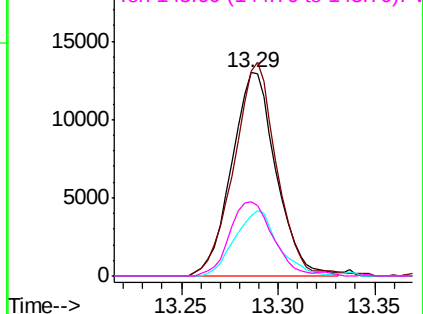
Abundance

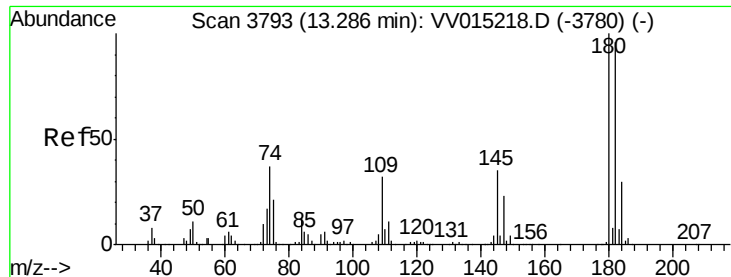
Ion 180.00 (179.70 to 180.70): V

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

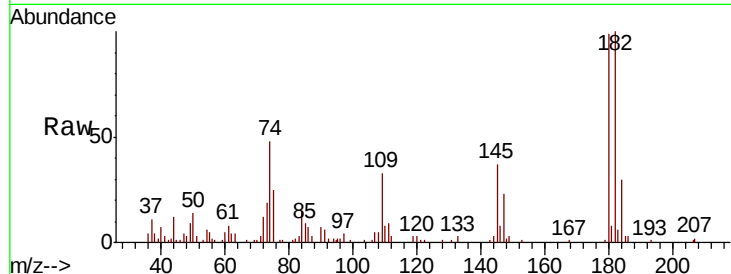




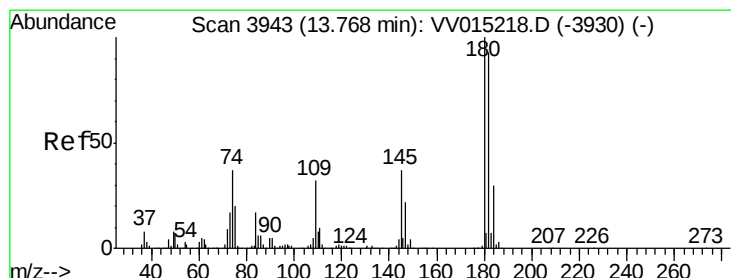
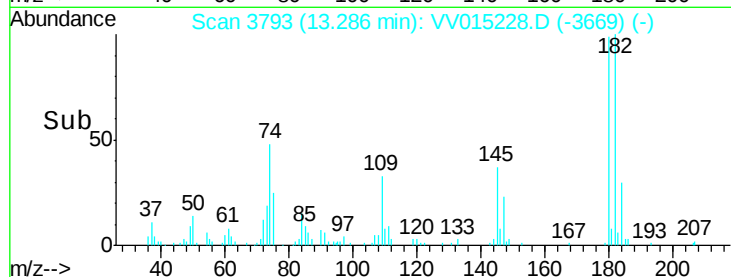
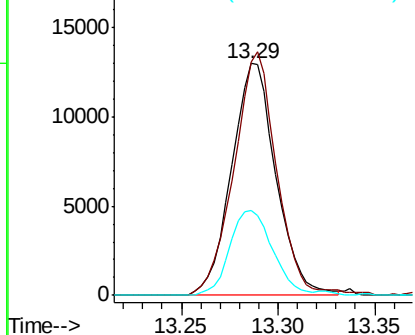
#68
 1,2,4-trichlorobenzene
 Concen: 4.533 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV015228.D
 Acq: 28 Mar 2020 06:21

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	Resp	20808
Ion Ratio	Lower	Upper	
180	100		
182	99.4	75.5	113.3
145	35.2	28.5	42.7

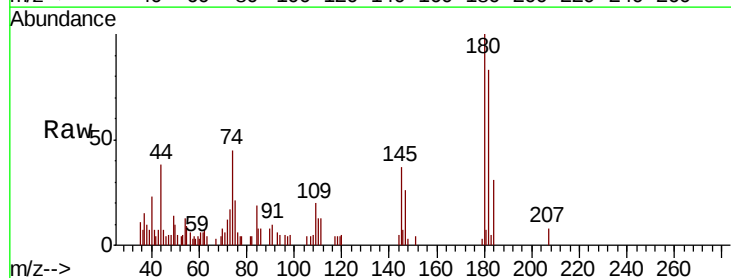


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 1.099 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015228.D
 Acq: 28 Mar 2020 06:21

Tgt Ion	180	Resp	5175
Ion Ratio	Lower	Upper	
180	100		
182	99.0	75.9	113.9
145	39.9	29.0	43.6



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

