

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032720\
 Data File : VV015227.D
 Acq On : 28 Mar 2020 05:57
 Operator : SY/MD
 Sample : L2003-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 28 07:01:03 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	638196	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	607047	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	257107	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144563	55.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.66%
7) Chloroethane-d5	1.58	69	137499	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.08%
11) 1,1-Dichloroethene-d2	2.12	63	229126	35.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.76%
21) 2-Butanone-d5	3.94	46	228918	74.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.63%
24) Chloroform-d	4.38	84	288268	42.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.36%
26) 1,2-Dichloroethane-d4	5.06	65	193268	43.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.82%
32) Benzene-d6	5.08	84	546733	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
36) 1,2-Dichloropropane-d6	6.10	67	179411	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.62%
41) Toluene-d8	7.34	98	501263	53.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.44%
43) trans-1,3-Dichloropropene-	7.64	79	88461	41.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.70%
47) 2-Hexanone-d5	8.12	63	177813	76.95	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	76.95%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	268612	38.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	184211	42.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

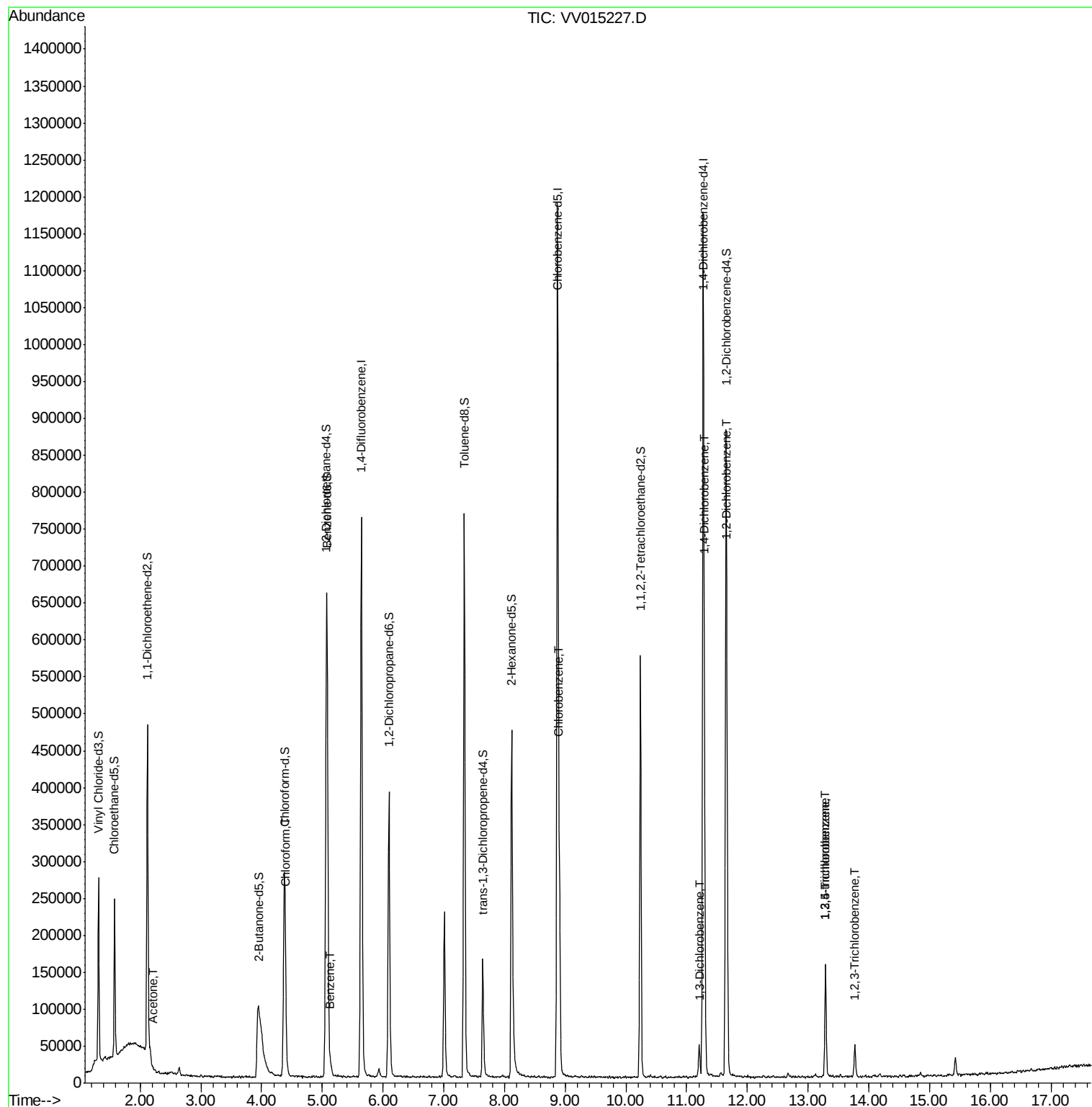
					Ovalue
13) Acetone	2.22	43	2221	1.240 ug/L	# 100
25) Chloroform	4.40	83	8342	1.019 ug/L	89
33) Benzene	5.13	78	14160	0.832 ug/L	100
51) Chlorobenzene	8.90	112	146439	11.957 ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	16238	2.029 ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	125009	15.542 ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	101510	12.372 ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	39720	7.818 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	39720	8.406 ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	10636	2.195 ug/L	96

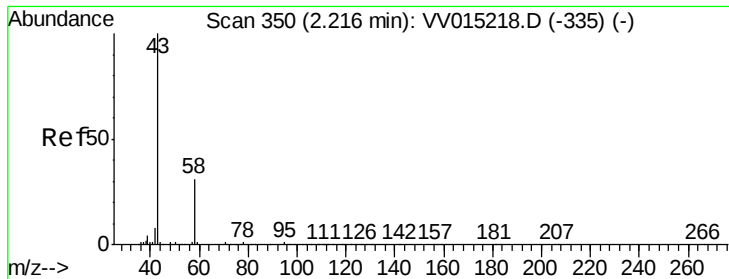
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Mar 28 05:21:13 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.240 ug/L

RT: 2.22 min Scan# 351

Delta R.T. 0.00 min

Lab File: VV015227.D

Acq: 28 Mar 2020 05:57

Instrument :

MSVOA_V

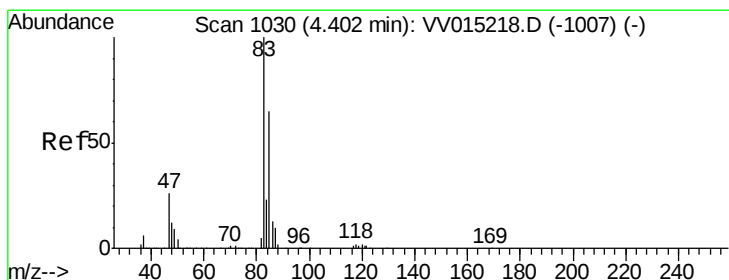
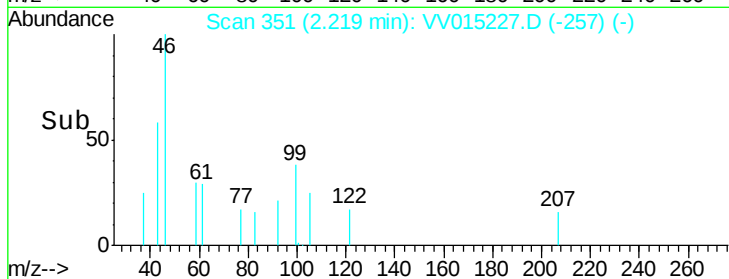
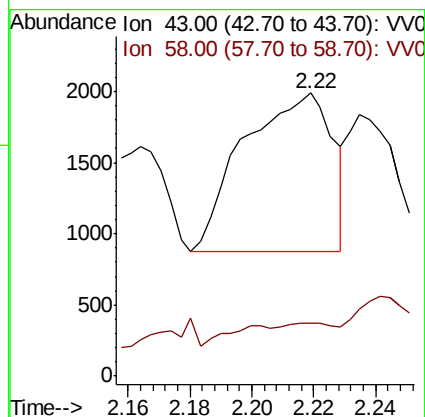
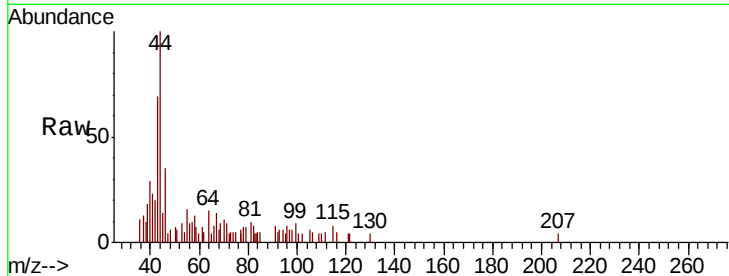
ClientSampled :

Tot Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

58 6.3 0.0 0.0#



#25

Chloroform

Concen: 1.019 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VV015227.D

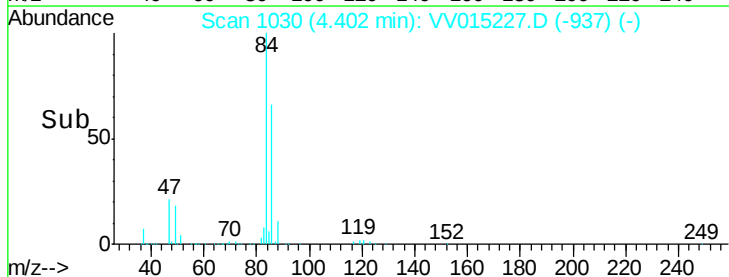
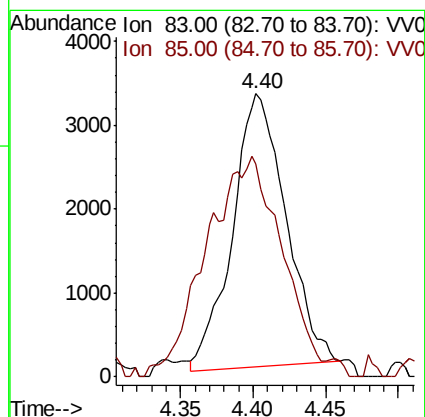
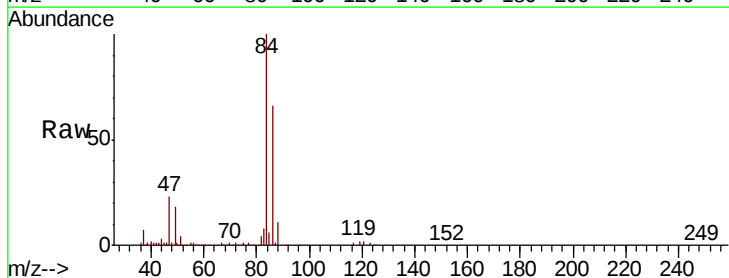
Acq: 28 Mar 2020 05:57

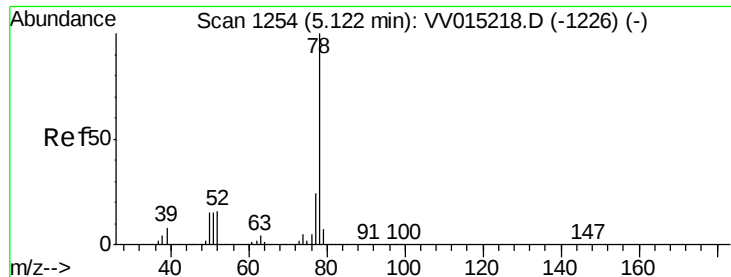
Tgt Ion: 83 Resp: 8342

Ion Ratio Lower Upper

83 100

85 75.0 46.2 85.8





#33

Benzene

Concen: 0.832 ug/L

RT: 5.13 min Scan# 1257

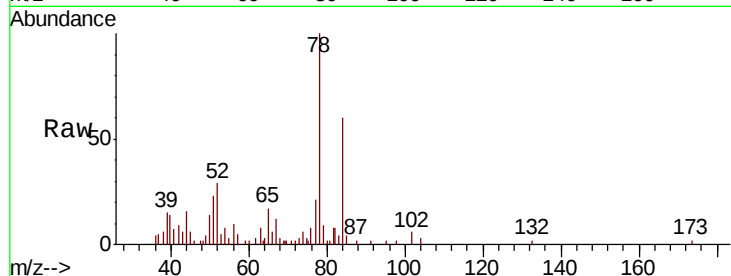
Delta R.T. 0.01 min

Lab File: VV015227.D

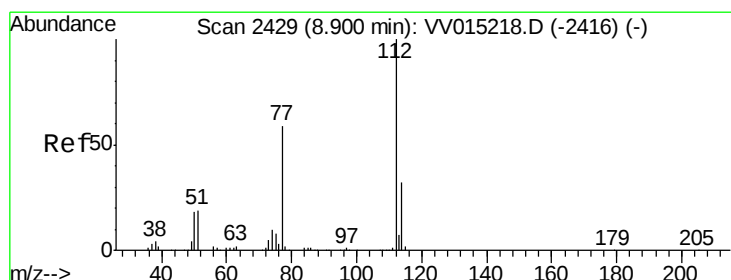
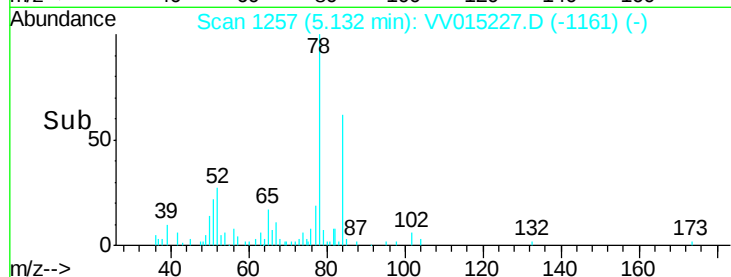
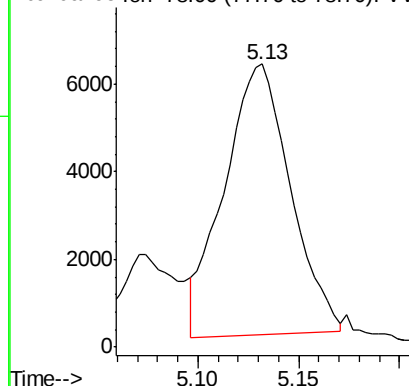
Acq: 28 Mar 2020 05:57

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 14160



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 11.957 ug/L

RT: 8.90 min Scan# 2430

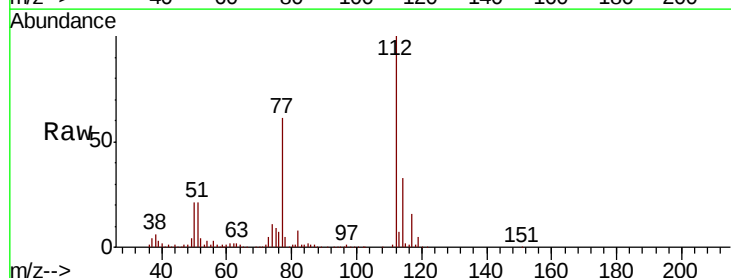
Delta R.T. 0.00 min

Lab File: VV015227.D

Acq: 28 Mar 2020 05:57

Tgt Ion: 112 Resp: 146439

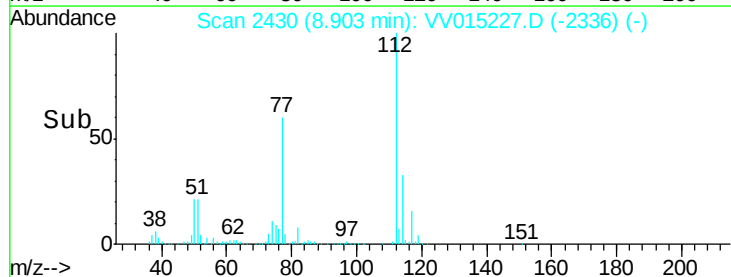
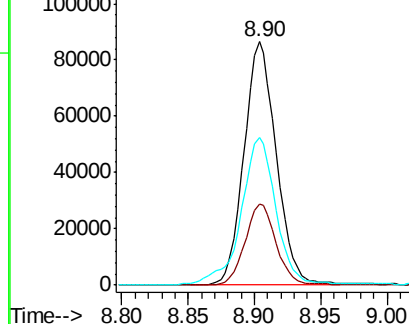
Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.3	41.5
77	60.6	48.2	72.2

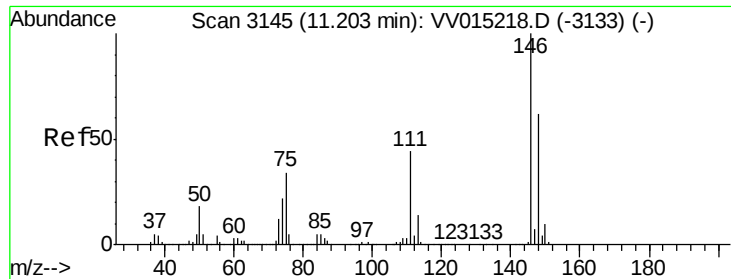


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 2.029 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015227.D

Acq: 28 Mar 2020 05:57

Instrument :

MSVOA_V

ClientSampleId :

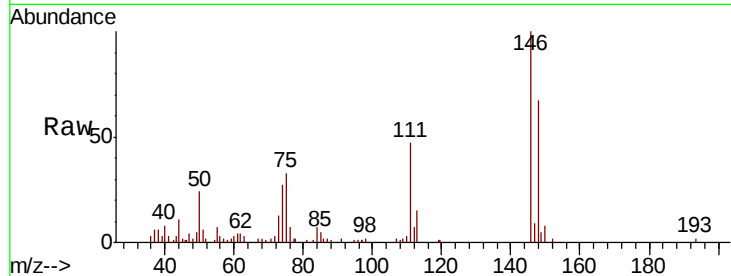
Tot Ion:146 Resp: 16238

Ion Ratio Lower Upper

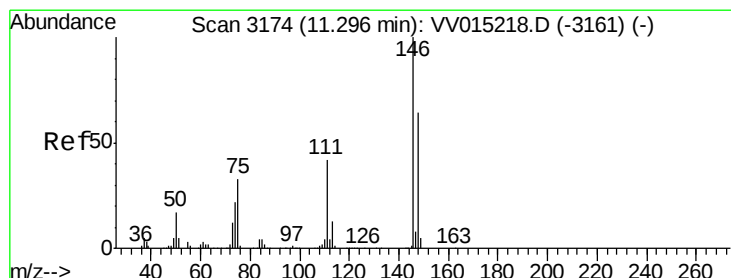
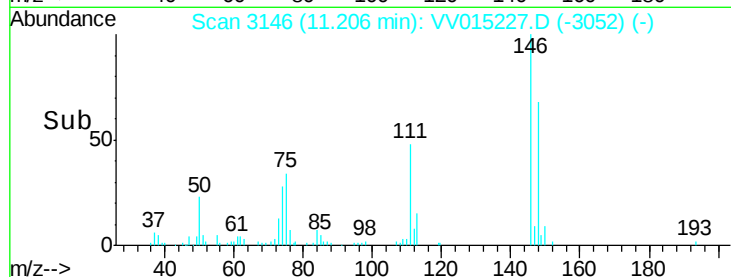
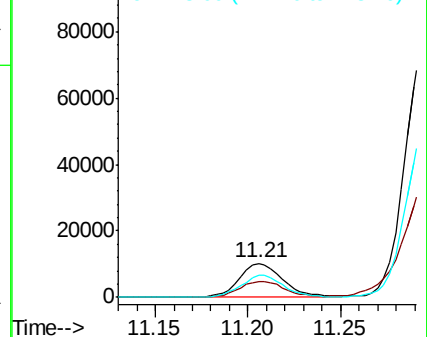
146 100

111 46.9 32.1 59.7

148 67.5 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: 15.542 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015227.D

Acq: 28 Mar 2020 05:57

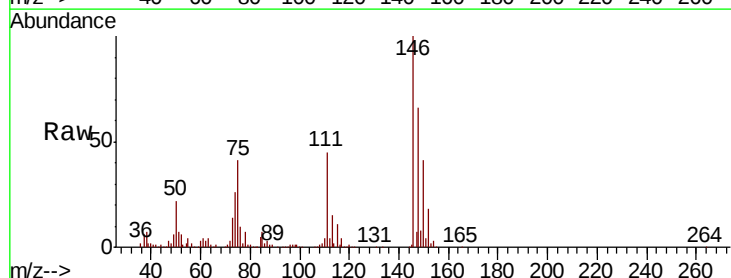
Tgt Ion:146 Resp: 125009

Ion Ratio Lower Upper

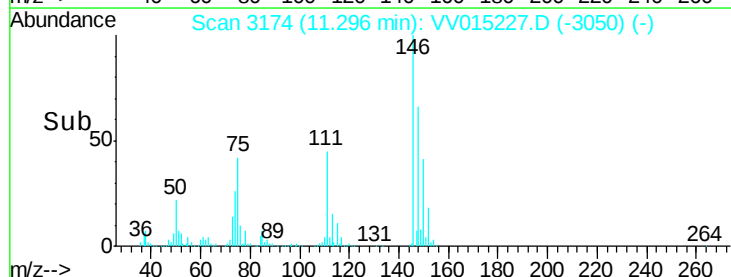
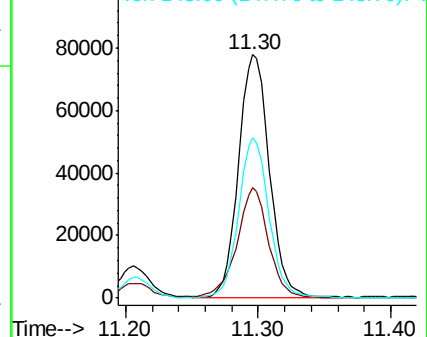
146 100

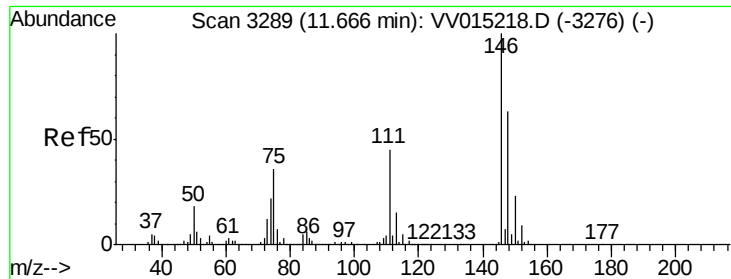
111 45.2 29.4 54.6

148 66.1 43.6 81.0



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: 12.372 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015227.D

Acq: 28 Mar 2020 05:57

Instrument :

MSVOA_V

ClientSampleId :

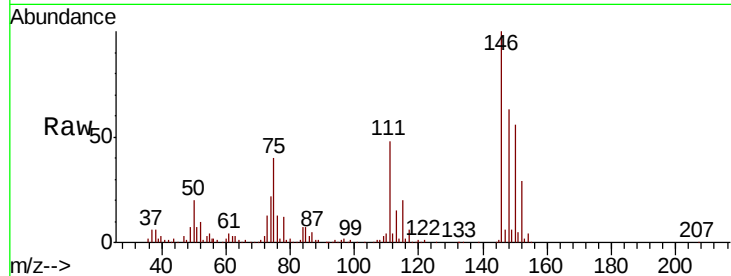
Tot Ion:146 Resp: 101510

Ion Ratio Lower Upper

146 100

111 48.1 37.6 56.4

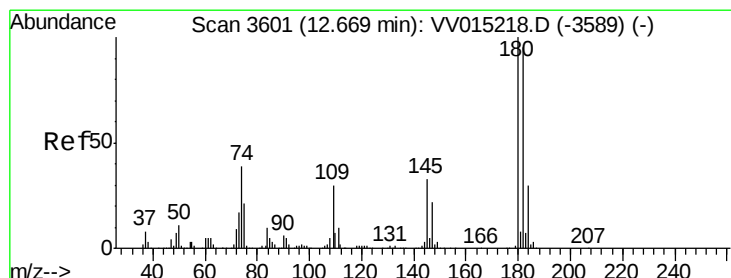
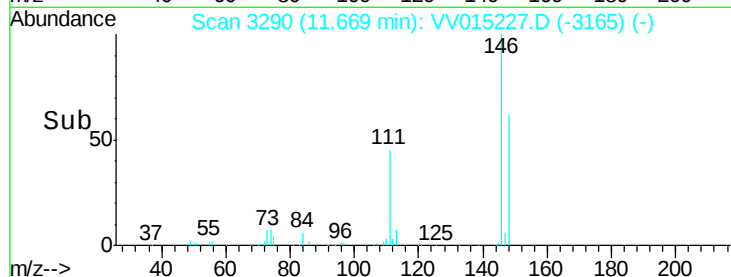
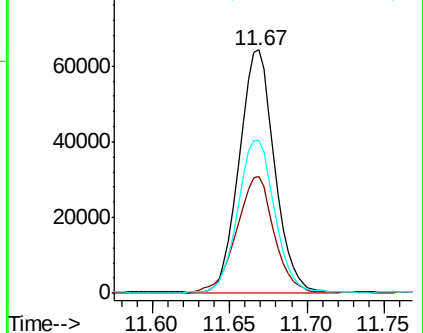
148 62.5 50.6 76.0



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: 7.818 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.62 min

Lab File: VV015227.D

Acq: 28 Mar 2020 05:57

Tgt Ion:180 Resp: 39720

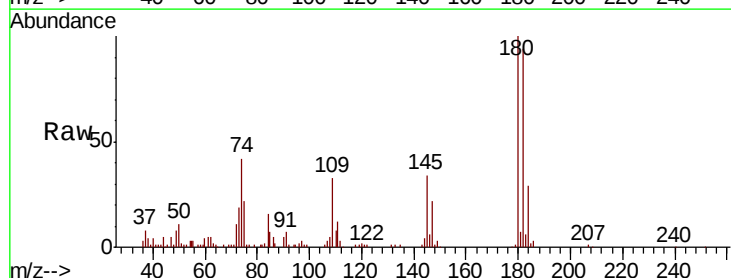
Ion Ratio Lower Upper

180 100

182 94.1 75.4 113.0

184 30.5 23.8 35.8

145 35.9 26.9 40.3

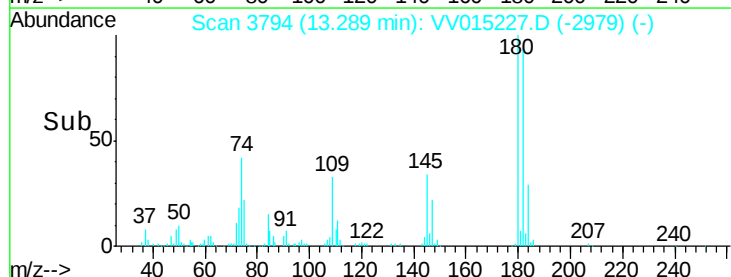
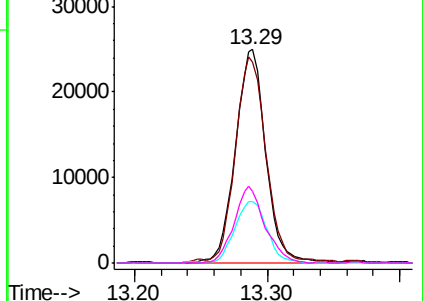


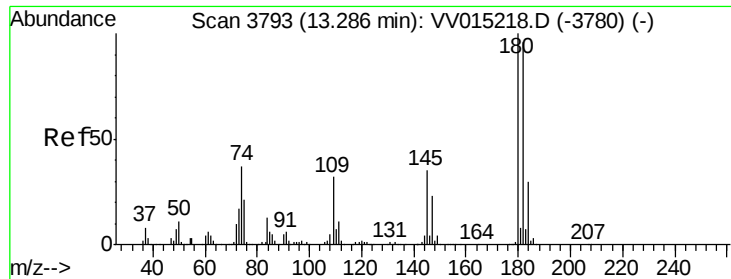
Abundance Ion 180.00 (179.70 to 180.70): V

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

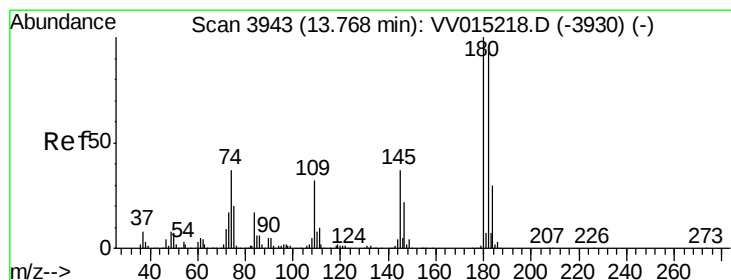
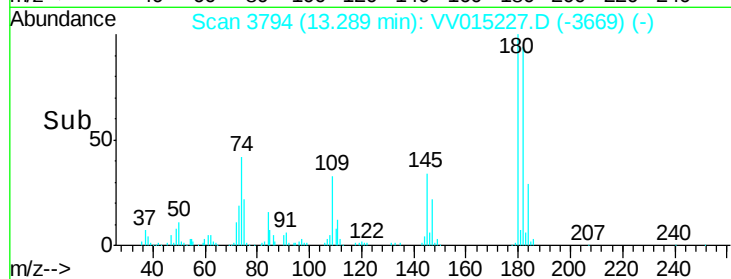
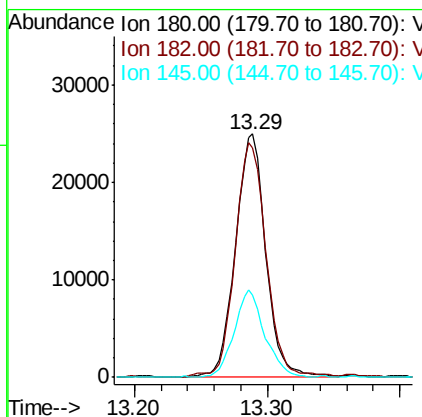
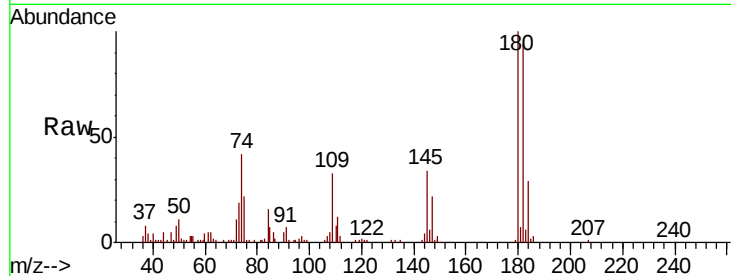




#68
 1,2,4-trichlorobenzene
 Concen: 8.406 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV015227.D
 Acq: 28 Mar 2020 05:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 39720
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.5 113.3
 145 35.9 28.5 42.7



#70
 1,2,3-Trichlorobenzene
 Concen: 2.195 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015227.D
 Acq: 28 Mar 2020 05:57

Tgt Ion:180 Resp: 10636
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.9 113.9
 145 42.9 29.0 43.6

