

Data File : VV015119.D
Acq On : 24 Mar 2020 13:23
Operator : SY/MD
Sample : L1968-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DC8

Quant Time: Mar 25 01:14:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 25 01:10:42 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	681720	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	644625	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	298848	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	258353	41.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.06%
7) Chloroethane-d5	1.58	69	225737	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.70%
11) 1,1-Dichloroethene-d2	2.12	63	371055	35.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.60%
21) 2-Butanone-d5	3.93	46	348584	84.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.96%
24) Chloroform-d	4.38	84	401828	42.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.42%
26) 1,2-Dichloroethane-d4	5.06	65	261173	43.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.18%
32) Benzene-d6	5.08	84	843496	43.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	6.09	67	267543	41.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.74%
41) Toluene-d8	7.34	98	797366	44.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.08%
43) trans-1,3-Dichloropropene-	7.64	79	143799	42.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.22%
47) 2-Hexanone-d5	8.11	63	268596	83.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.66%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	374959	41.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.70%
64) 1,2-Dichlorobenzene-d4	11.65	152	292604	43.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.70%

Target Compounds

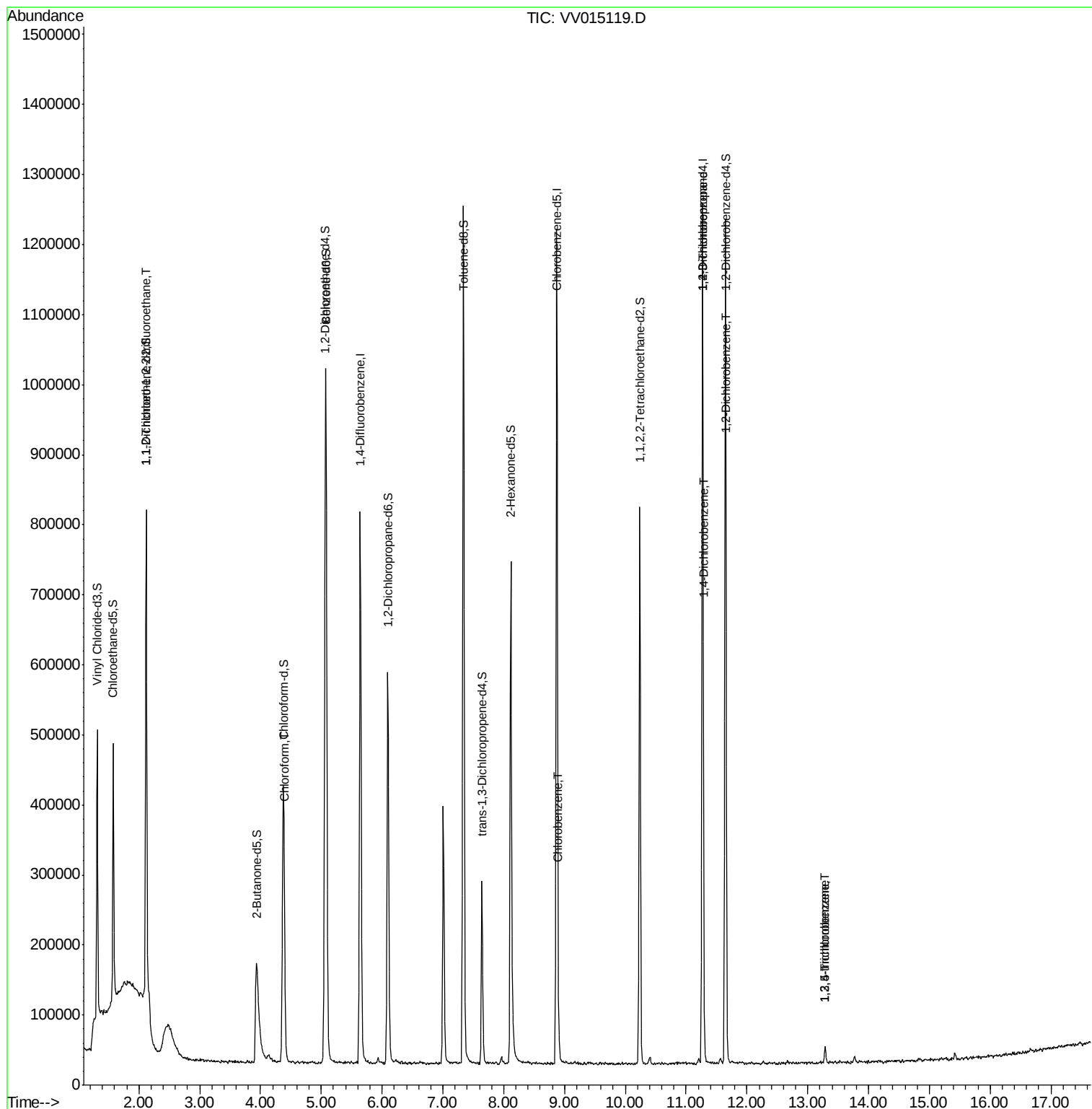
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	3469	0.845 ug/L #	34
25) Chloroform	4.40	83	8711	0.976 ug/L	90
51) Chlorobenzene	8.90	112	12849	0.960 ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	41771	5.975 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	14639	1.458 ug/L	94
65) 1,2-Dichlorobenzene	11.67	146	12198	1.178 ug/L #	87
67) 1,3,5-Trichlorobenzene	13.29	180	6951	1.021 ug/L	96
68) 1,2,4-trichlorobenzene	13.29	180	6951	1.075 ug/L	95

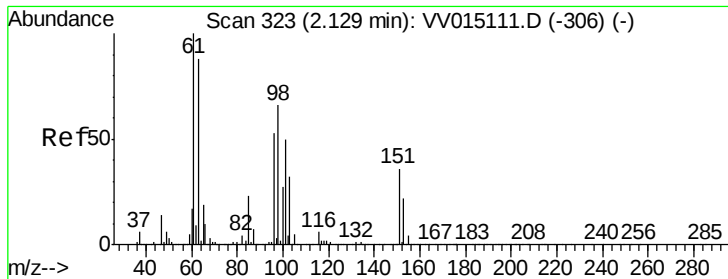
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.845 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

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Instrument :

MSVOA_V

ClientSampleId :

C0DC8

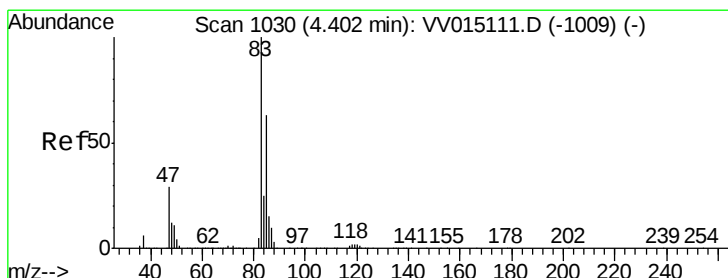
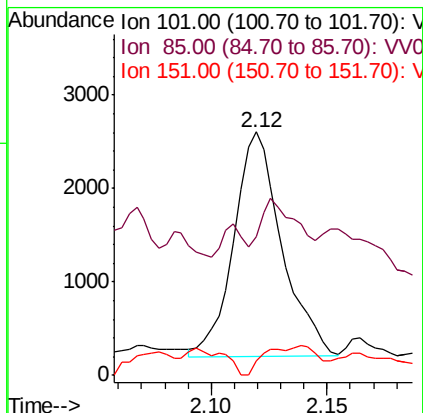
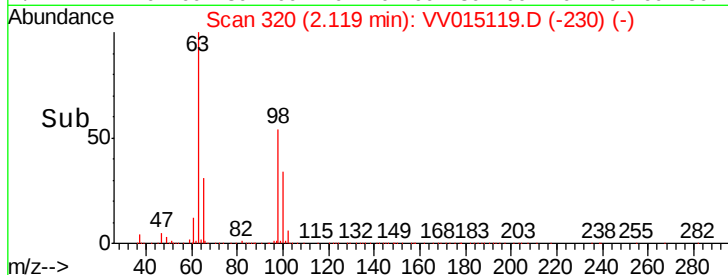
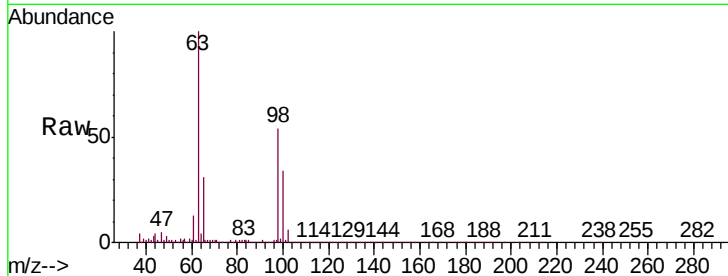
Tgt Ion:101 Resp: 3469

Ion Ratio Lower Upper

101 100

85 13.6 37.2 55.8#

151 6.7 56.3 84.5#



#25

Chloroform

Concen: 0.976 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV015119.D

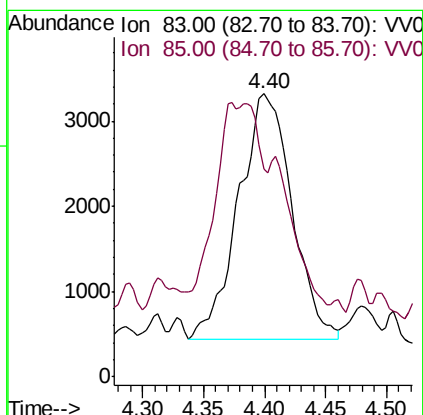
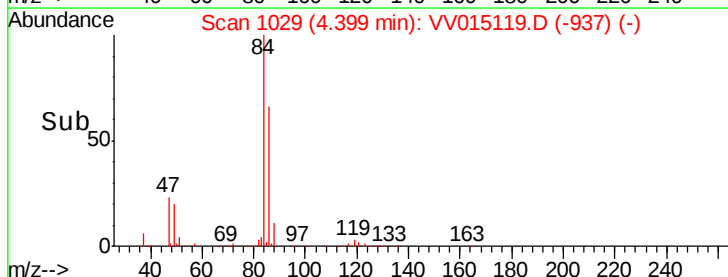
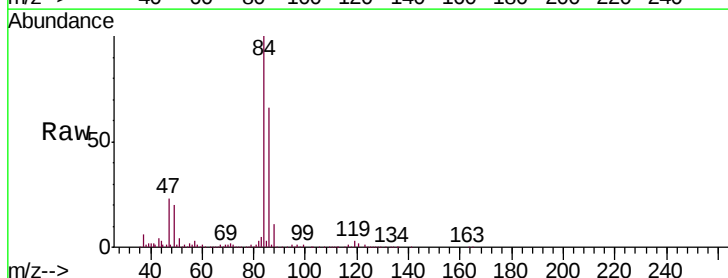
Acq: 24 Mar 2020 13:23

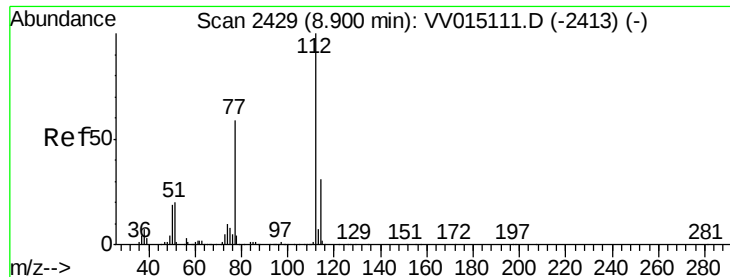
Tgt Ion: 83 Resp: 8711

Ion Ratio Lower Upper

83 100

85 73.2 45.8 85.0





#51

Chlorobenzene

Concen: 0.960 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

C0DC8

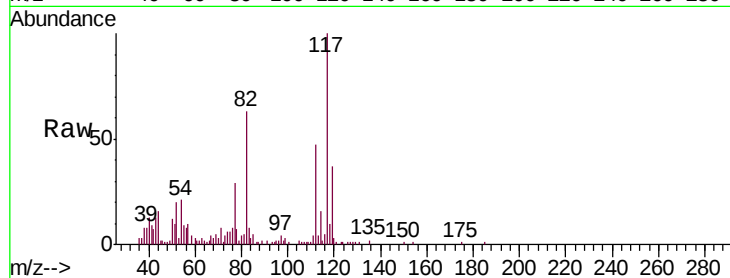
Tgt Ion: 112 Resp: 12849

Ion Ratio Lower Upper

112 100

114 34.1 22.3 41.3

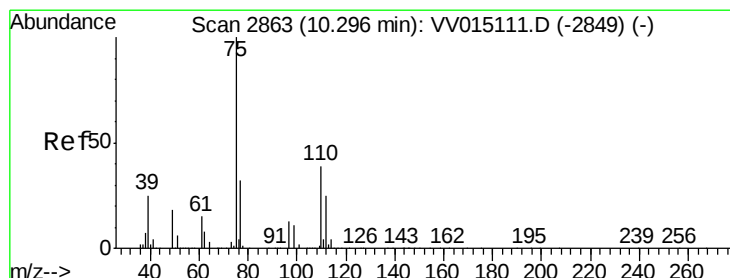
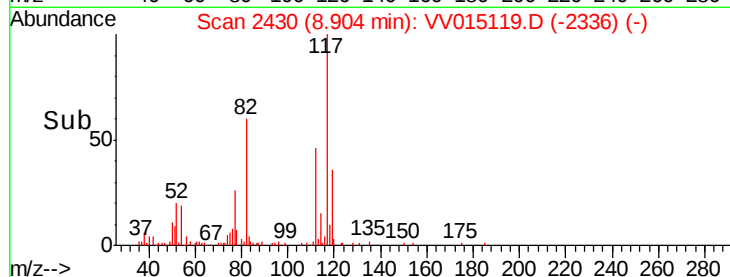
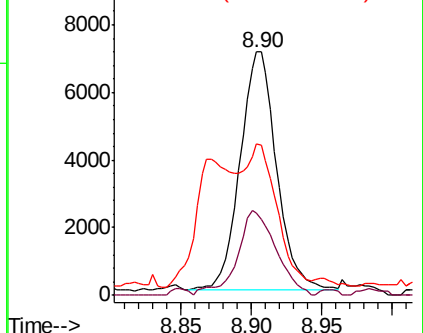
77 62.3 48.1 72.1



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



#59

1,2,3-Trichloropropane

Concen: 5.975 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV015119.D

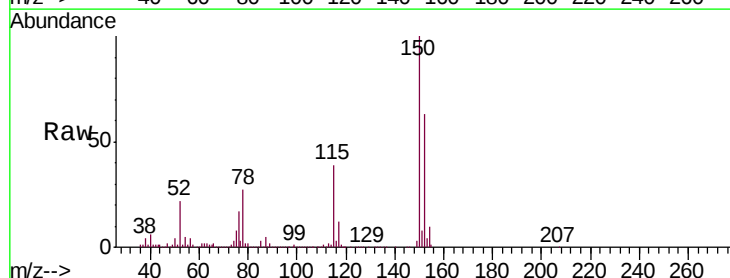
Acq: 24 Mar 2020 13:23

Tgt Ion: 75 Resp: 41771

Ion Ratio Lower Upper

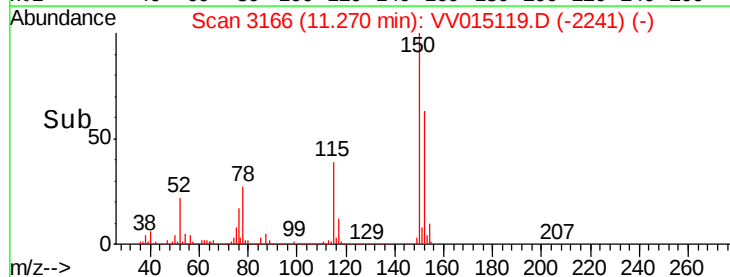
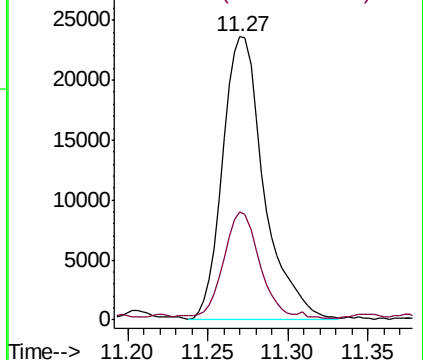
75 100

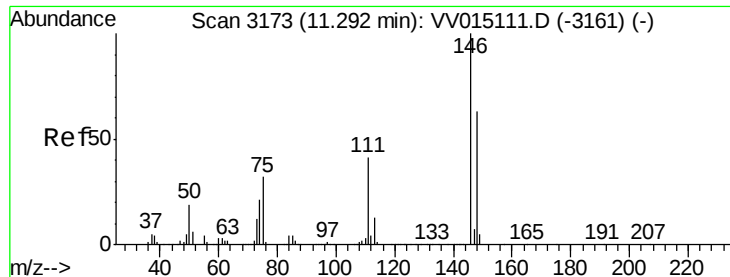
77 31.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

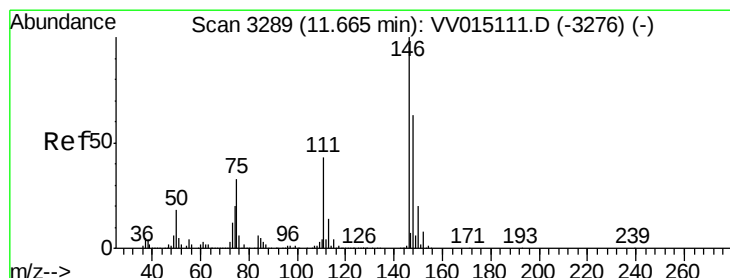
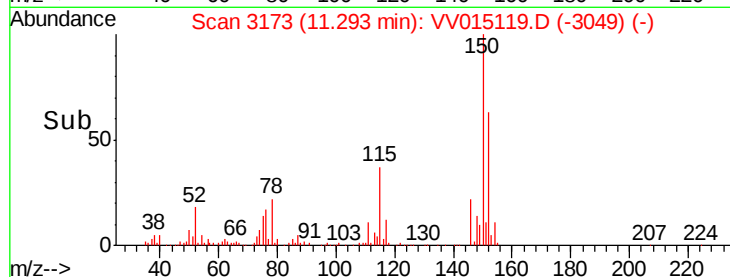
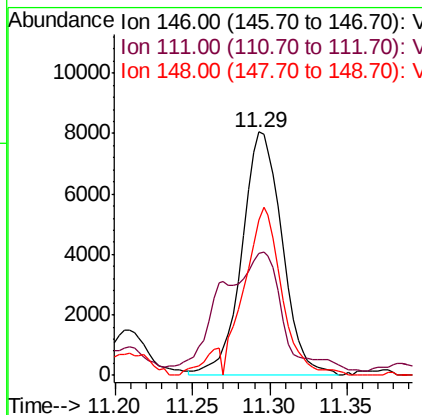
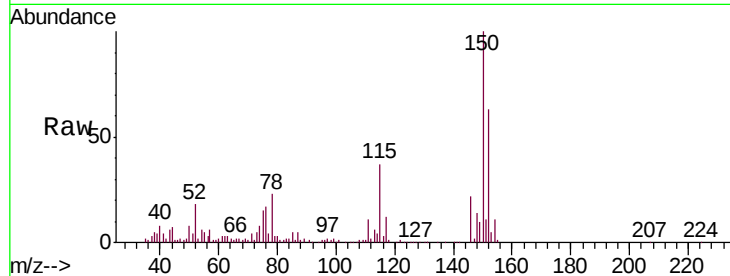




#63
 1,4-Dichlorobenzene
 Concen: 1.458 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV015119.D
 Acq: 24 Mar 2020 13:23

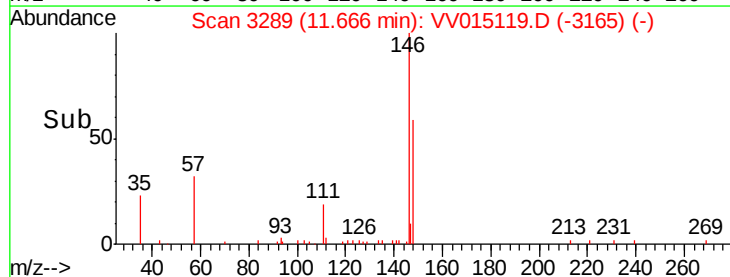
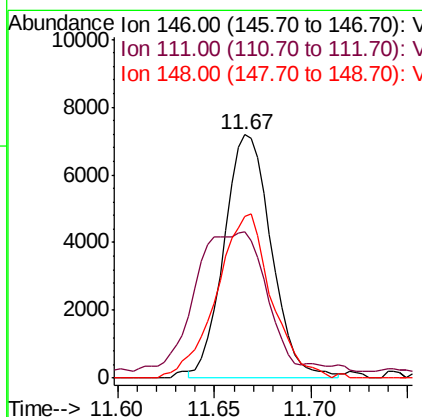
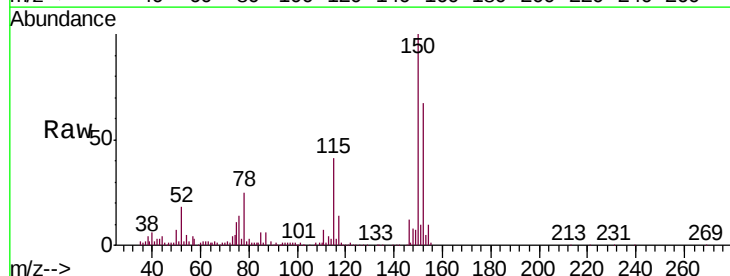
Instrument :
 MSVOA_V
 ClientSampled :
 C0DC8

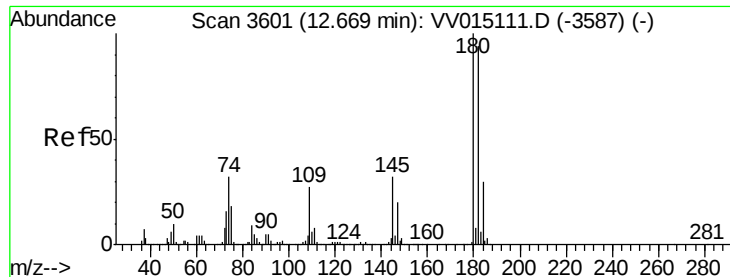
Tgt Ion:146 Resp: 14639
 Ion Ratio Lower Upper
 146 100
 111 50.1 28.2 52.4
 148 63.8 44.9 83.5



#65
 1,2-Dichlorobenzene
 Concen: 1.178 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015119.D
 Acq: 24 Mar 2020 13:23

Tgt Ion:146 Resp: 12198
 Ion Ratio Lower Upper
 146 100
 111 60.3 35.2 52.8#
 148 66.6 50.6 75.8





#67

1,3,5-Trichlorobenzene

Concen: 1.021 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV015119.D

Acq: 24 Mar 2020 13:23

Instrument :

MSVOA_V

ClientSampleId :

C0DC8

Tgt Ion:180 Resp: 6951

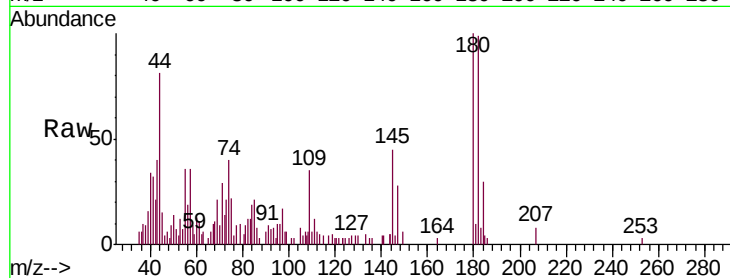
Ion Ratio Lower Upper

180 100

182 98.4 75.9 113.9

184 27.7 23.7 35.5

145 36.3 25.8 38.6

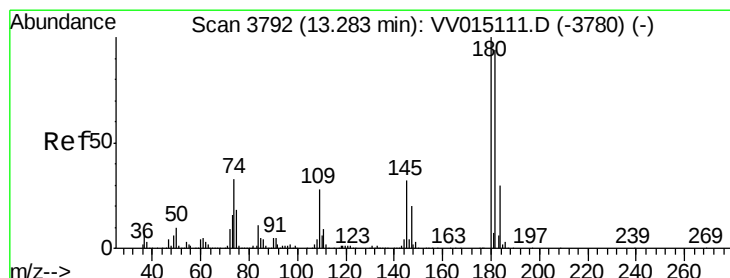
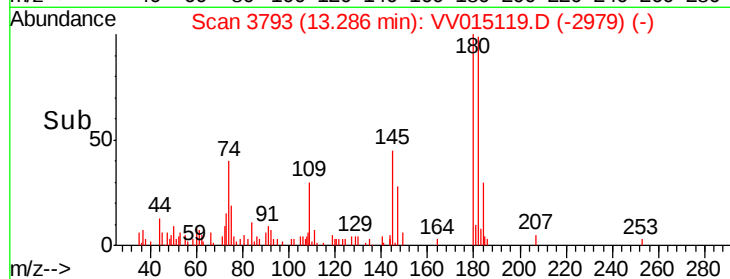
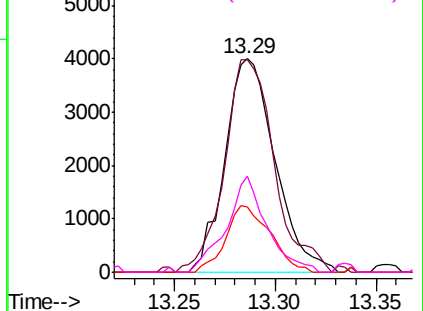


Abundance Ion 180.00 (179.70 to 180.70): V

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: 1.075 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015119.D

Acq: 24 Mar 2020 13:23

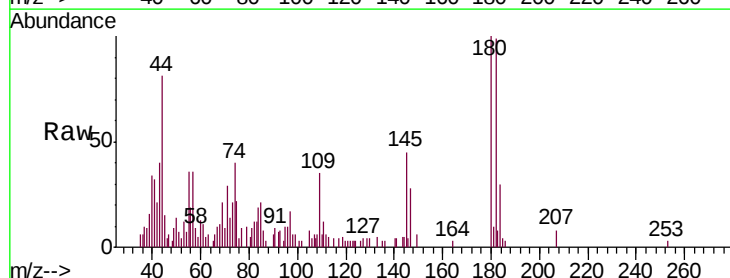
Tgt Ion:180 Resp: 6951

Ion Ratio Lower Upper

180 100

182 98.4 75.5 113.3

145 36.3 26.4 39.6



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

