

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\
 Data File : VV015025.D
 Acq On : 18 Mar 2020 20:00
 Operator : SY/MD
 Sample : L1941-04DL 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB4DL

Quant Time: Mar 19 04:53:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 19 04:08:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	340836	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	330457	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164611	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82451	51.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	103.54%
7) Chloroethane-d5	1.58	69	65950	52.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.62%
11) 1,1-Dichloroethene-d2	2.12	63	104108	38.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.50%
21) 2-Butanone-d5	3.93	46	105452	97.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.67%
24) Chloroform-d	4.38	84	200958	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
26) 1,2-Dichloroethane-d4	5.06	65	132721	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.42%
32) Benzene-d6	5.08	84	414257	52.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.66%
36) 1,2-Dichloropropane-d6	6.09	67	121519	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.92%
41) Toluene-d8	7.34	98	400507	50.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.48%
43) trans-1,3-Dichloropropene-	7.64	79	61012	49.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.50%
47) 2-Hexanone-d5	8.12	63	118150	111.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.75%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	174668	50.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.18%
64) 1,2-Dichlorobenzene-d4	11.65	152	172357	52.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.32%

Target Compounds

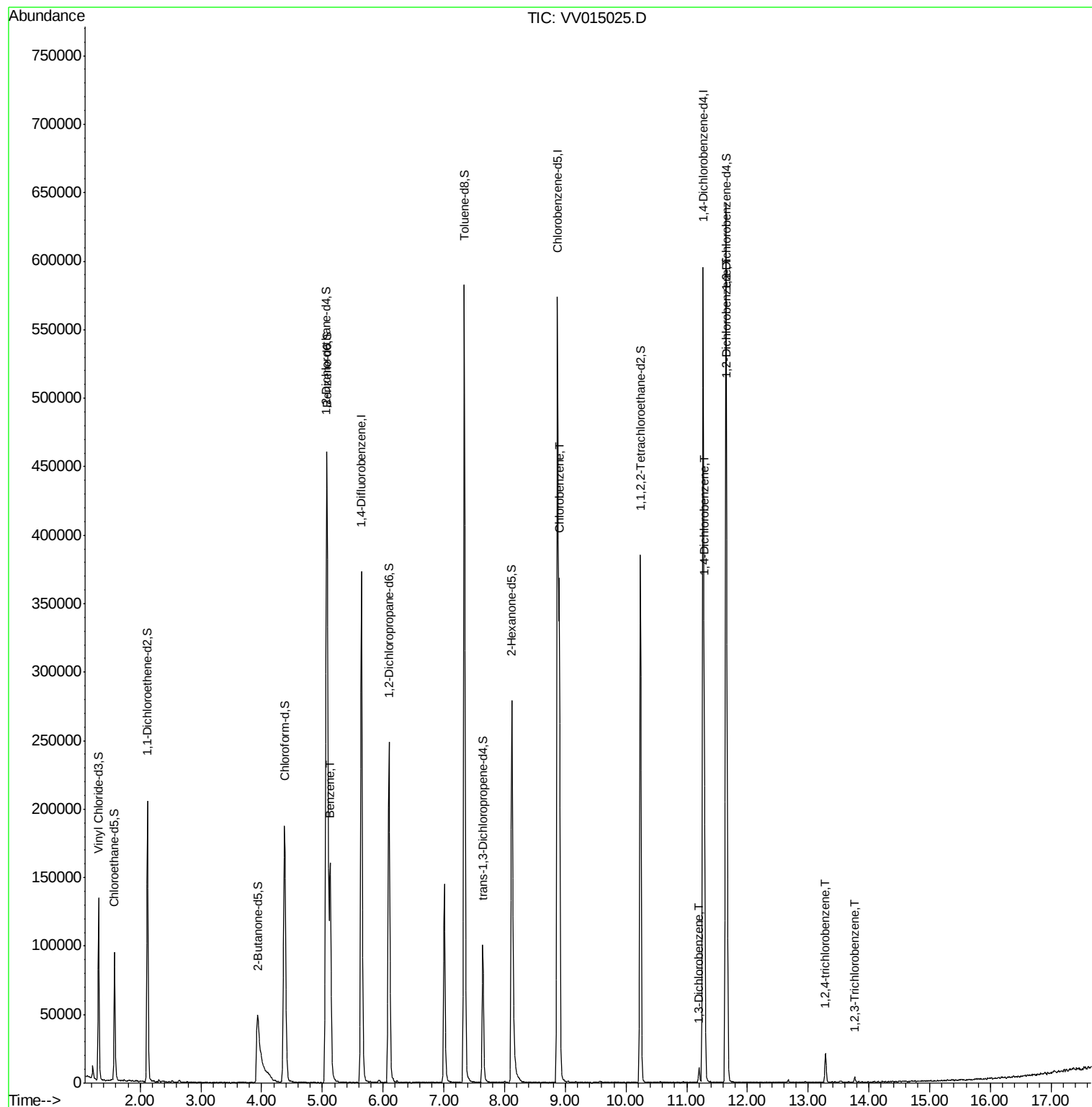
					Ovalue
33) Benzene	5.13	78	169959	21.010	ug/L 100
51) Chlorobenzene	8.90	112	196612	30.579	ug/L 99
62) 1,3-Dichlorobenzene	11.21	146	4894	0.988	ug/L 95
63) 1,4-Dichlorobenzene	11.29	146	71999	13.960	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	68496	13.015	ug/L 100
68) 1,2,4-trichlorobenzene	13.28	180	8155	2.259	ug/L 94
70) 1,2,3-Trichlorobenzene	13.77	180	1603	0.452	ug/L # 89

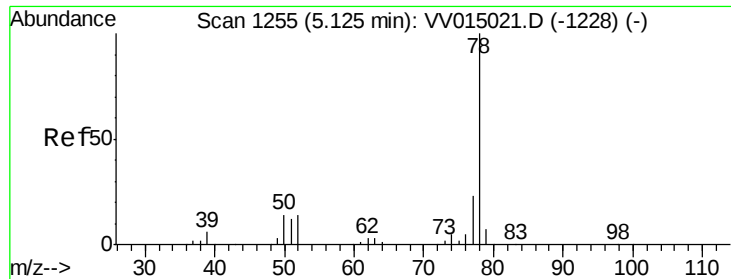
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration





#33

Benzene

Concen: 21.010 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV015025.D

Acq: 18 Mar 2020 20:00

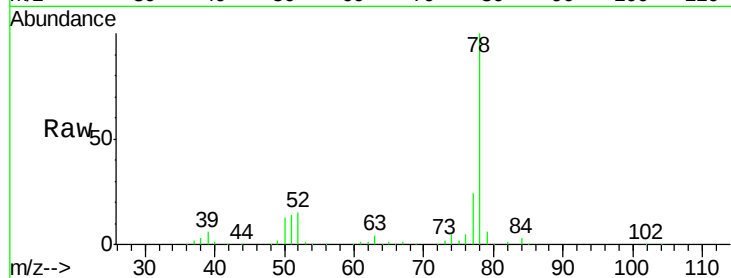
Instrument :

MSVOA_V

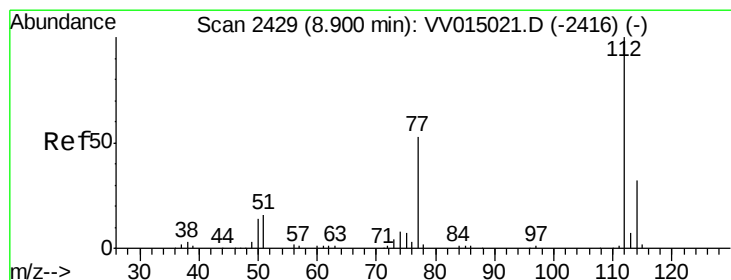
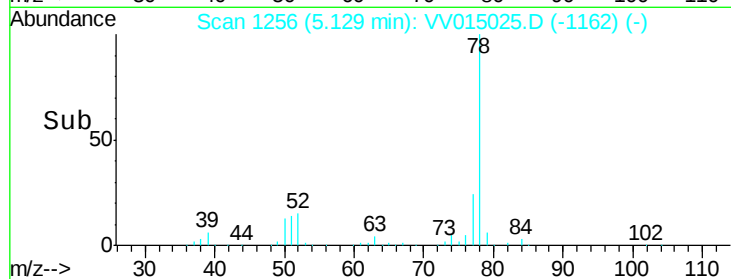
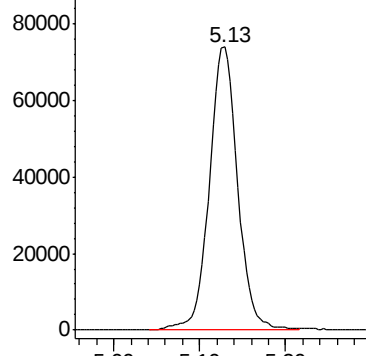
ClientSampleId :

C0DB4DL

Tgt Ion: 78 Resp: 169959



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 30.579 ug/L

RT: 8.90 min Scan# 2430

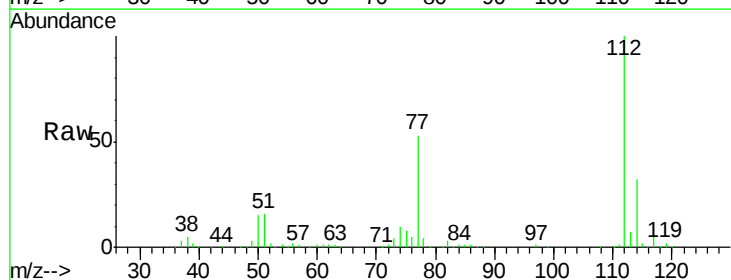
Delta R.T. 0.00 min

Lab File: VV015025.D

Acq: 18 Mar 2020 20:00

Tgt Ion: 112 Resp: 196612

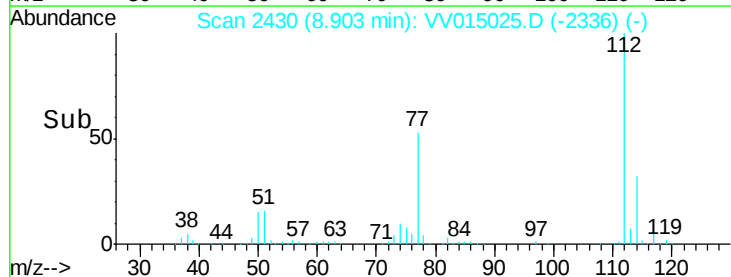
Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.4	41.6
77	52.8	42.9	64.3



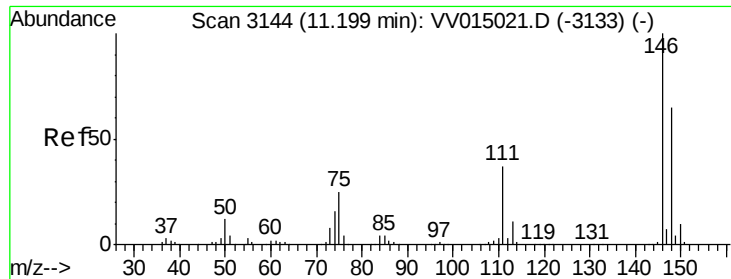
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0



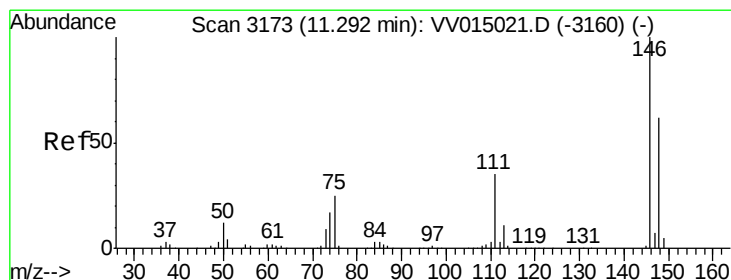
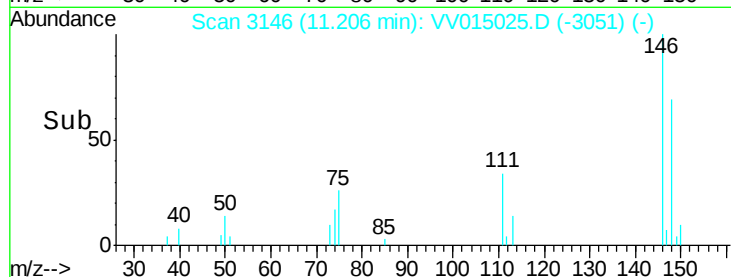
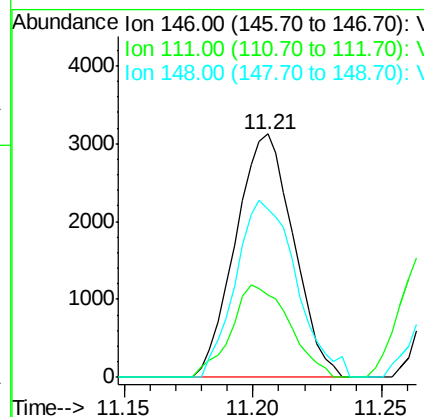
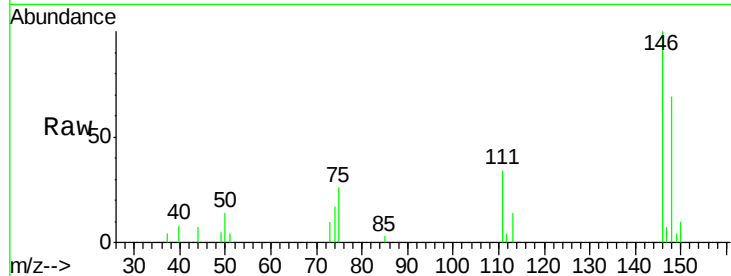
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 0.988 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.01 min
 Lab File: VV015025.D
 Acq: 18 Mar 2020 20:00

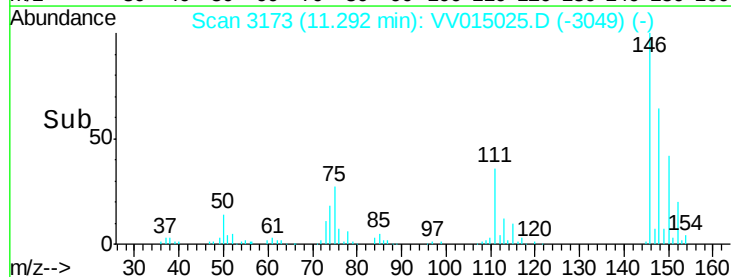
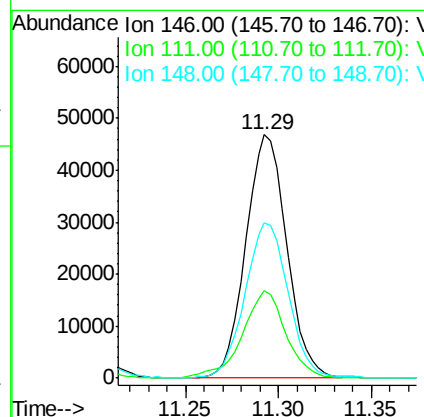
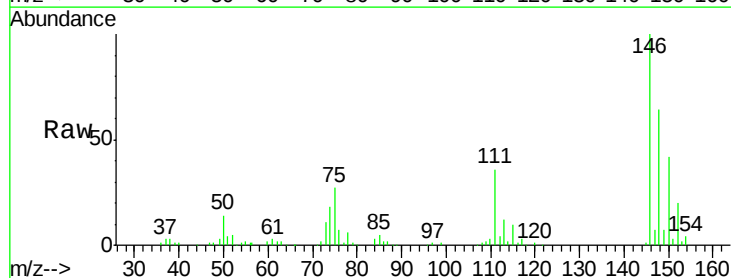
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB4DL

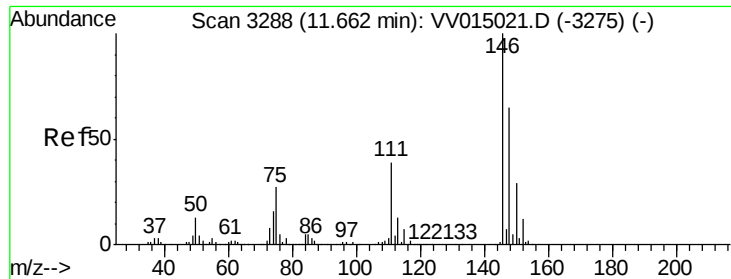
Tot Ion:146 Resp: 4894
 Ion Ratio Lower Upper
 146 100
 111 34.0 25.7 47.7
 148 68.9 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 13.960 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV015025.D
 Acq: 18 Mar 2020 20:00

Tgt Ion:146 Resp: 71999
 Ion Ratio Lower Upper
 146 100
 111 35.7 25.8 48.0
 148 63.9 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 13.015 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015025.D

Acq: 18 Mar 2020 20:00

Instrument :

MSVOA_V

ClientSampled :

C0DB4DL

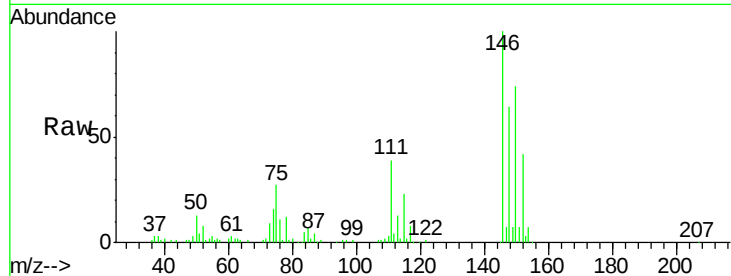
Tot Ion:146 Resp: 68496

Ion Ratio Lower Upper

146 100

111 39.4 31.5 47.3

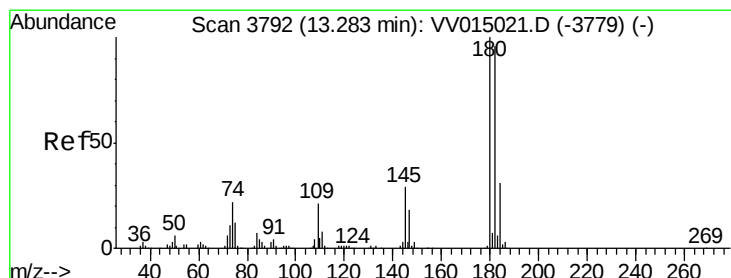
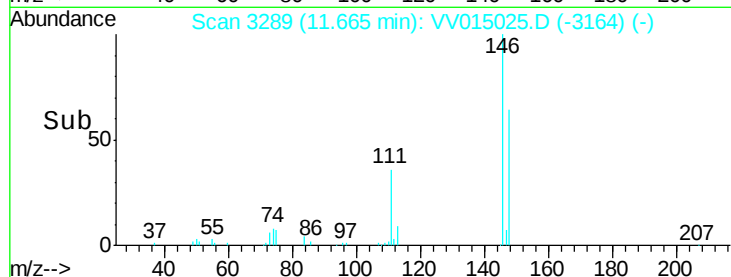
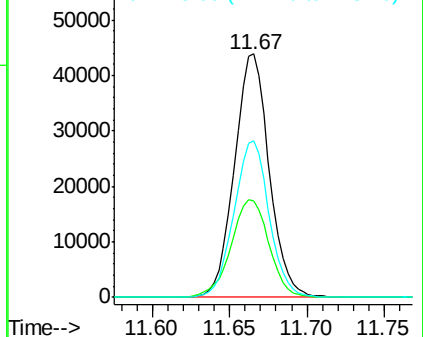
148 64.4 51.7 77.5



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



#68

1,2,4-trichlorobenzene

Concen: 2.259 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV015025.D

Acq: 18 Mar 2020 20:00

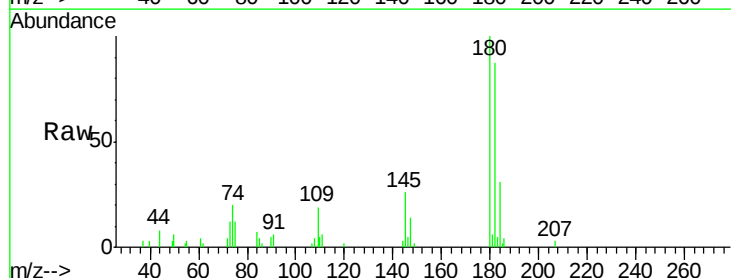
Tgt Ion:180 Resp: 8155

Ion Ratio Lower Upper

180 100

182 88.8 76.3 114.5

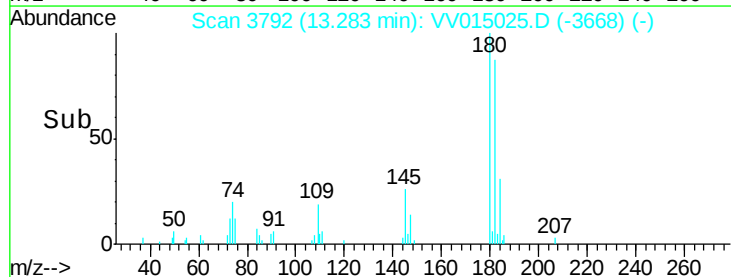
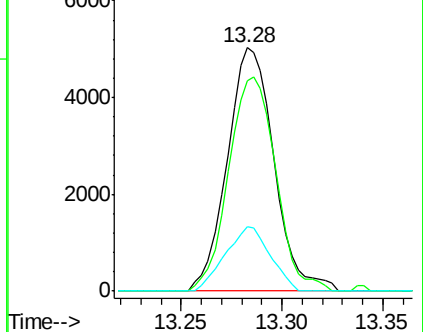
145 25.3 22.2 33.4

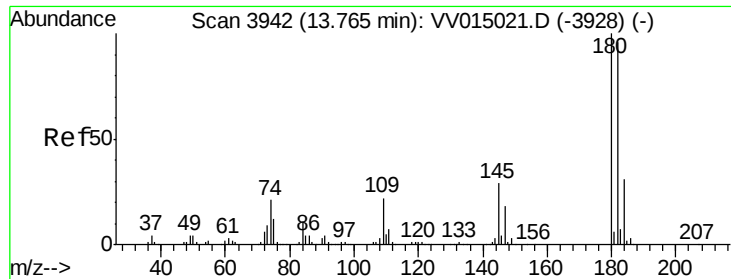


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.452 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015025.D
 Acq: 18 Mar 2020 20:00

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB4DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.1	75.5	113.3
145	16.9	23.5	35.3

