

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV032520\
 Data File : VV015146.D
 Acq On : 25 Mar 2020 20:07
 Operator : SY/MD
 Sample : L1968-11 50X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CODE1

Quant Time: Mar 26 02:34:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 26 02:00:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	604036	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	567581	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	256488	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	209778	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.08%
7) Chloroethane-d5	1.58	69	193918	42.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.78%
11) 1,1-Dichloroethene-d2	2.12	63	336866	33.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.72%
21) 2-Butanone-d5	3.93	46	295883	89.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.28%
24) Chloroform-d	4.38	84	367534	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.74%
26) 1,2-Dichloroethane-d4	5.06	65	247390	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
32) Benzene-d6	5.07	84	733757	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
36) 1,2-Dichloropropane-d6	6.09	67	237680	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.52%
41) Toluene-d8	7.34	98	691529	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.64	79	116346	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.80%
47) 2-Hexanone-d5	8.11	63	239120	91.92	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.92%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	337987	44.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	246965	43.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.10%

Target Compounds

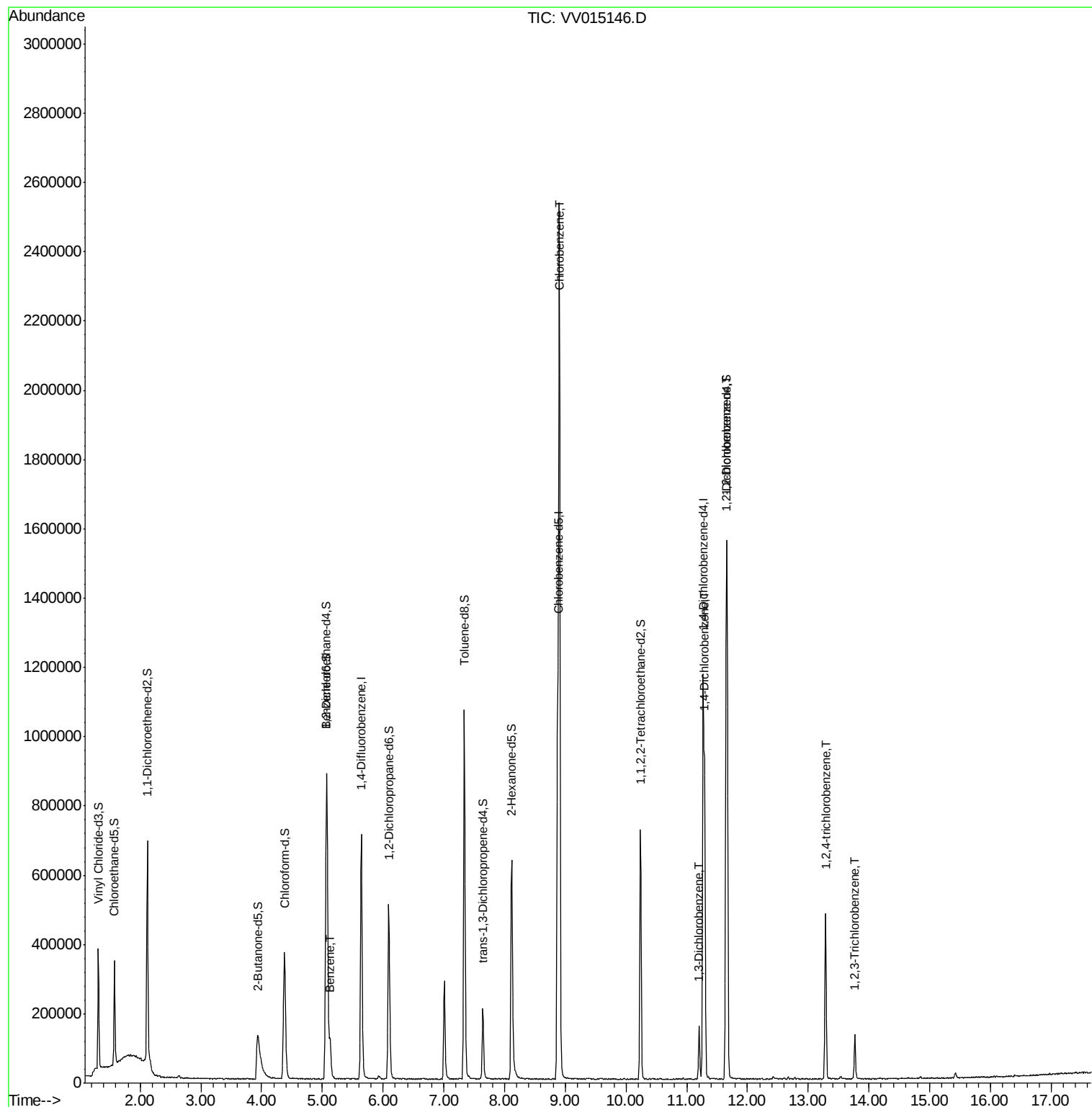
						Qvalue
33) Benzene	5.13	78	108417	7.42	ug/L	100
51) Chlorobenzene	8.90	112	1286330	122.16	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	55413	7.38	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	303566	39.66	ug/L	96
65) 1,2-Dichlorobenzene	11.67	146	457085	60.31	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	127680	26.79	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	32251	6.81	ug/L	99

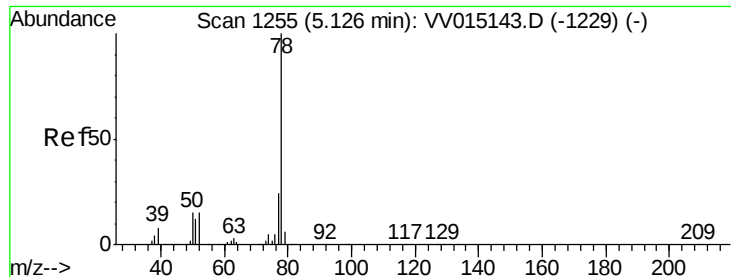
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration





#33

Benzene

Concen: 7.42 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

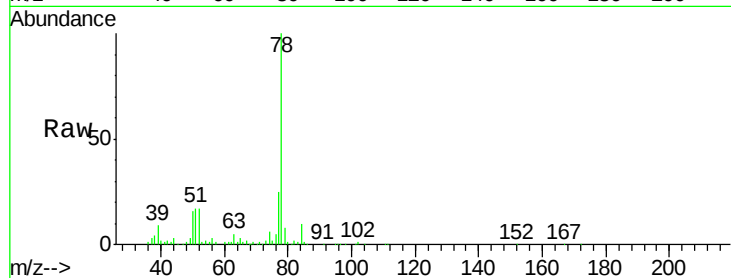
Instrument :

MSVOA_V

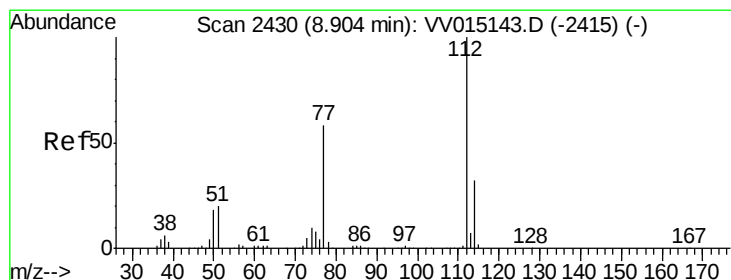
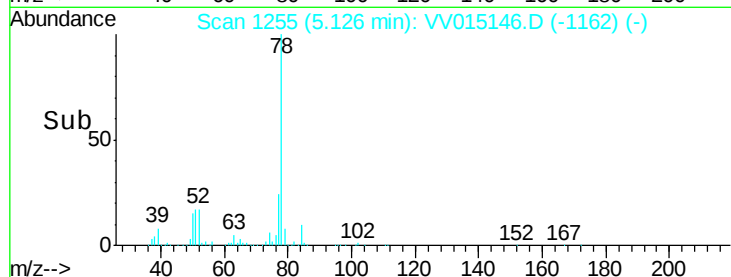
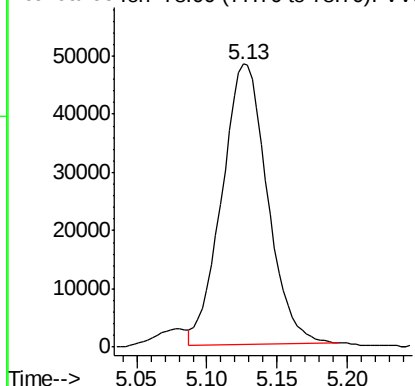
ClientSampleId :

CODE1

Tgt Ion: 78 Resp: 108417



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 122.16 ug/L

RT: 8.90 min Scan# 2430

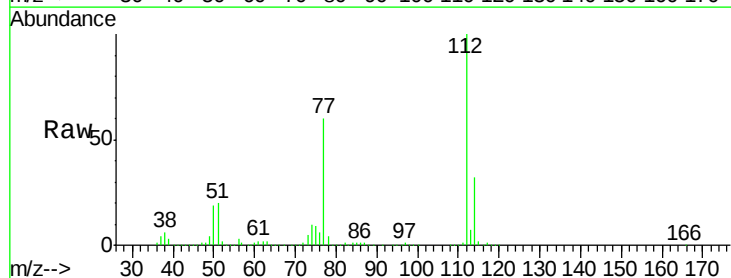
Delta R.T. 0.00 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Tgt Ion: 112 Resp: 1286330

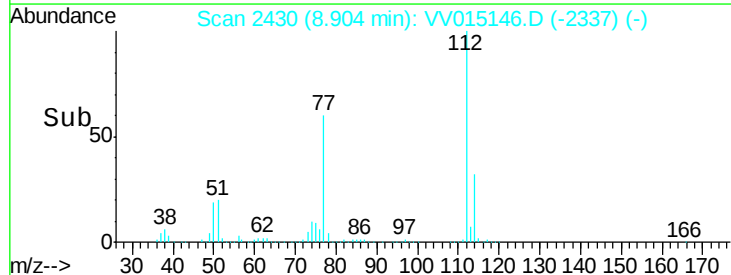
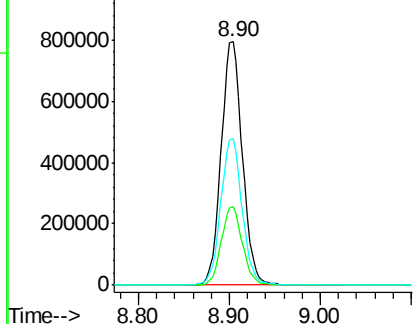
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	40.8
77	60.1	47.2	70.8

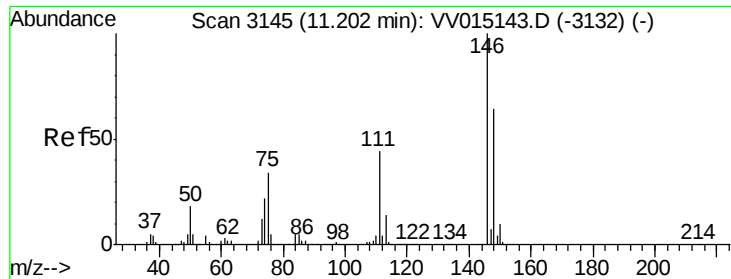


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 7.38 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

Instrument :

MSVOA_V

ClientSampleId :

C0DE1

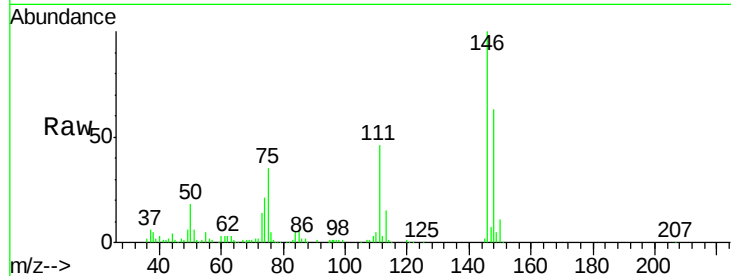
Tgt Ion:146 Resp: 55413

Ion Ratio Lower Upper

146 100

111 45.8 29.3 54.5

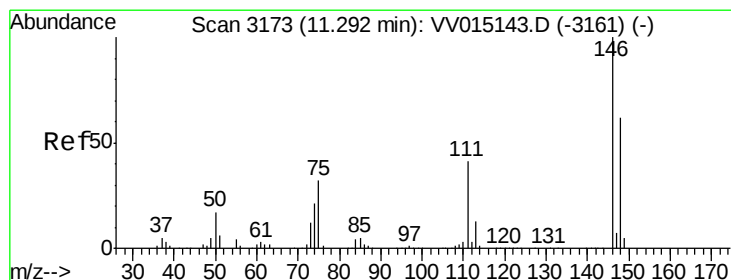
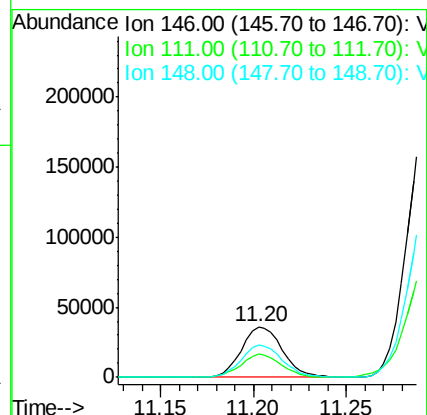
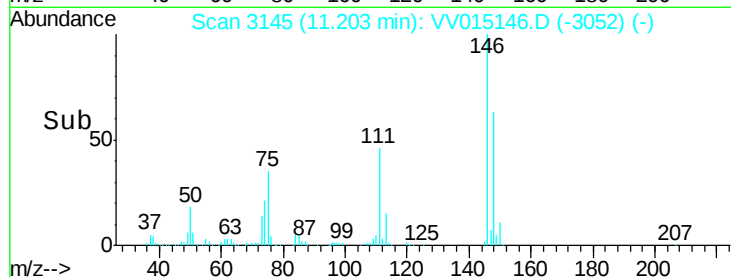
148 63.2 44.7 82.9



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: 39.66 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015146.D

Acq: 25 Mar 2020 20:07

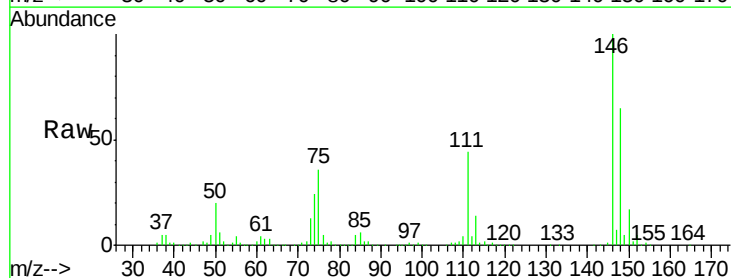
Tgt Ion:146 Resp: 303566

Ion Ratio Lower Upper

146 100

111 44.1 28.4 52.8

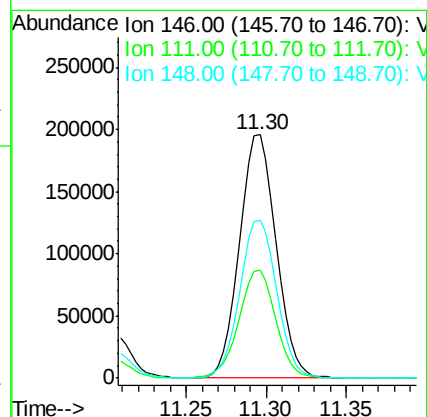
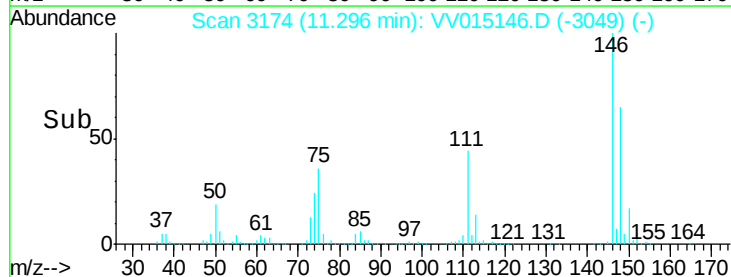
148 65.0 44.0 81.8

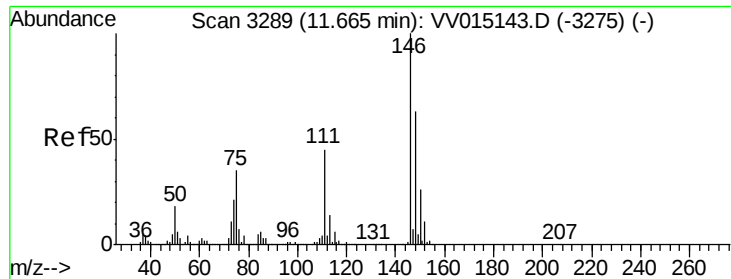


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

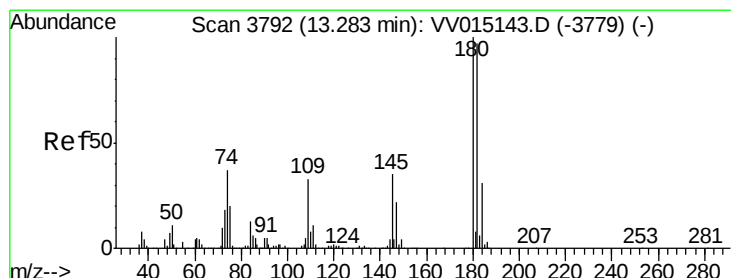
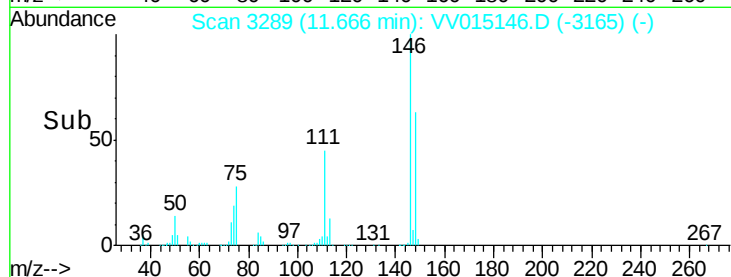
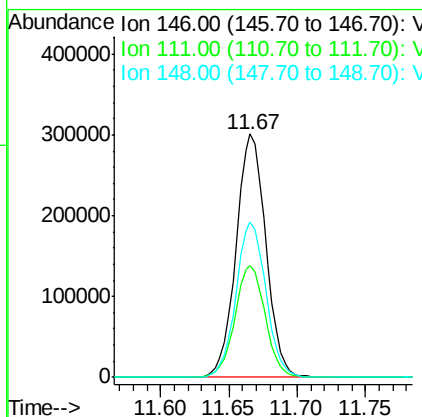
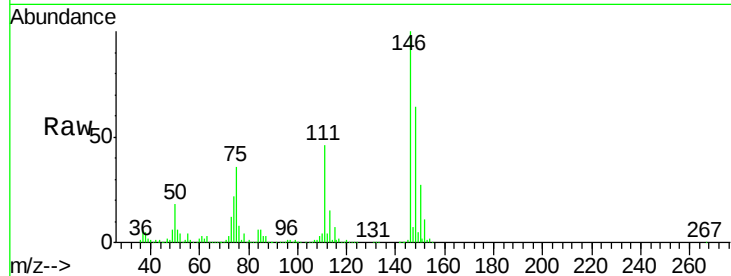




#65
 1,2-Dichlorobenzene
 Concen: 60.31 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

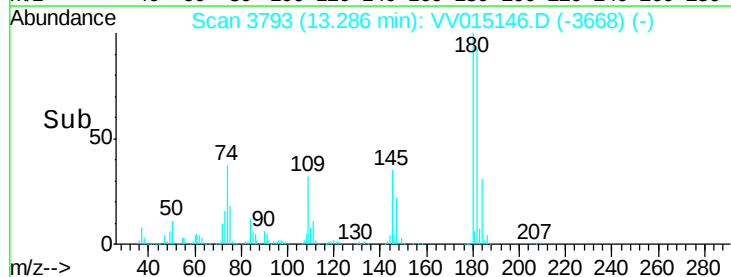
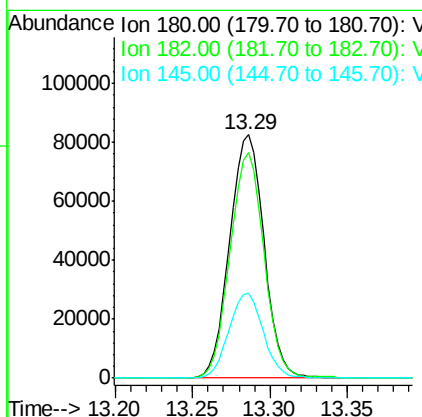
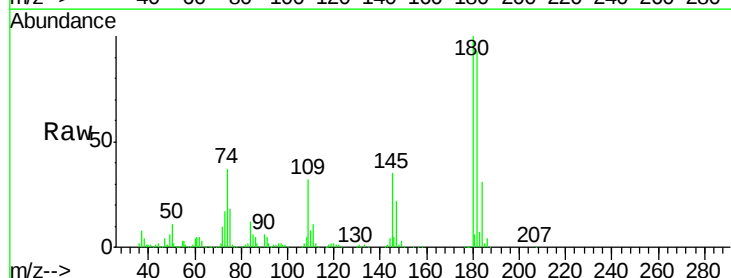
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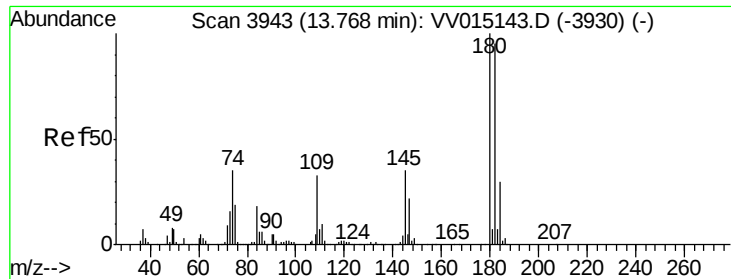
Tgt Ion:146 Resp: 457085
 Ion Ratio Lower Upper
 146 100
 111 46.0 35.4 53.2
 148 63.6 49.7 74.5



#68
 1,2,4-trichlorobenzene
 Concen: 26.79 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015146.D
 Acq: 25 Mar 2020 20:07

Tgt Ion:180 Resp: 127680
 Ion Ratio Lower Upper
 180 100
 182 91.2 76.1 114.1
 145 34.6 26.6 40.0





#70

1,2,3-Trichlorobenzene

Concen: 6.81 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015146.D

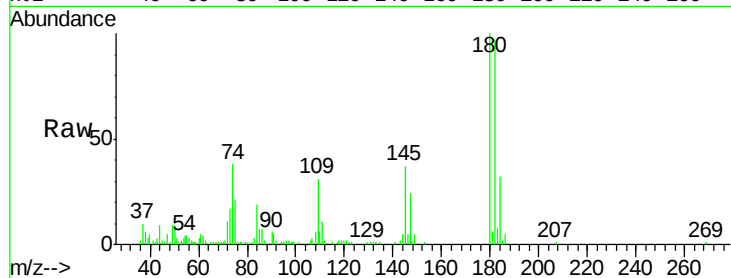
Acq: 25 Mar 2020 20:07

Instrument :

MSVOA_V

ClientSampleId :

CODE1



Tgt Ion:180 Resp: 32251

Ion Ratio Lower Upper

180 100

182 95.3 76.3 114.5

145 39.1 29.6 44.4

