

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015155.D
 Acq On : 25 Mar 2020 23:45
 Operator : SY/MD
 Sample : L1968-08DL 500X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD8DL

Quant Time: Mar 26 04:59:17 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	590084	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	566979	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	249181	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	196124	39.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.50%
7) Chloroethane-d5	1.58	69	192109	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.96%
11) 1,1-Dichloroethene-d2	2.12	63	321664	33.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.18%
21) 2-Butanone-d5	3.94	46	296891	91.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.70%
24) Chloroform-d	4.38	84	361384	44.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.30%
26) 1,2-Dichloroethane-d4	5.06	65	244074	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
32) Benzene-d6	5.08	84	720446	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.14%
36) 1,2-Dichloropropane-d6	6.10	67	228690	44.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.16%
41) Toluene-d8	7.34	98	684450	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.64	79	108186	38.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.14%
47) 2-Hexanone-d5	8.12	63	234958	90.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	330885	43.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	244094	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%

Target Compounds

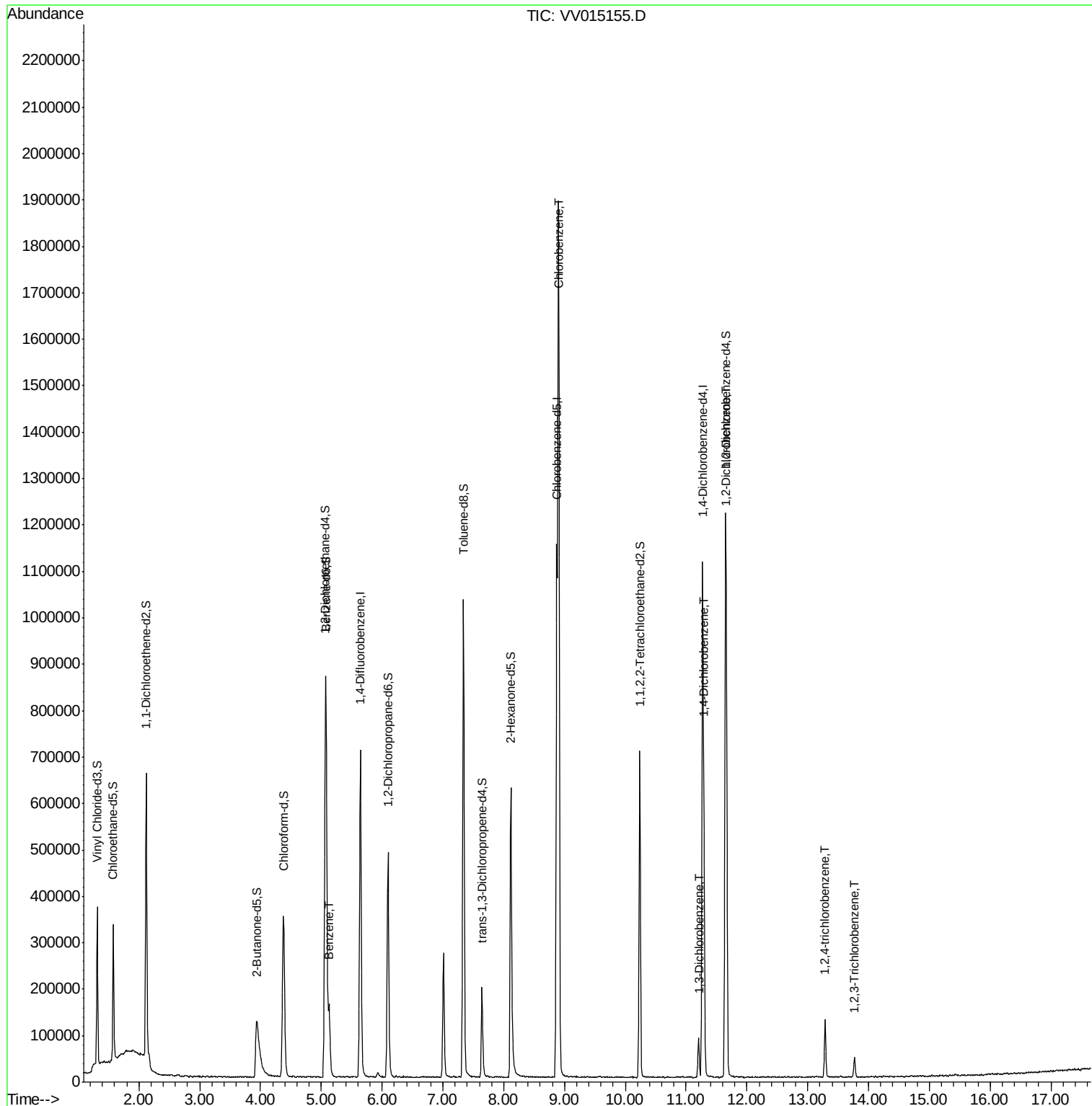
					Ovalue
33) Benzene	5.13	78	150913	10.343	ug/L 100
51) Chlorobenzene	8.90	112	956386	90.922	ug/L 99
62) 1,3-Dichlorobenzene	11.21	146	30658	4.201	ug/L 98
63) 1,4-Dichlorobenzene	11.30	146	175205	23.564	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	254083	34.506	ug/L 97
68) 1,2,4-trichlorobenzene	13.29	180	32044	6.920	ug/L 95
70) 1,2,3-Trichlorobenzene	13.77	180	10702	2.326	ug/L 97

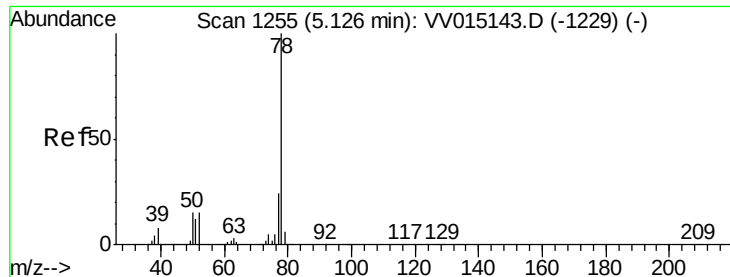
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#33

Benzene

Concen: 10.343 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV015155.D

Acq: 25 Mar 2020 23:45

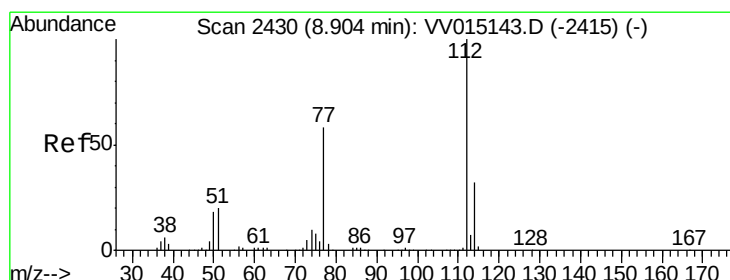
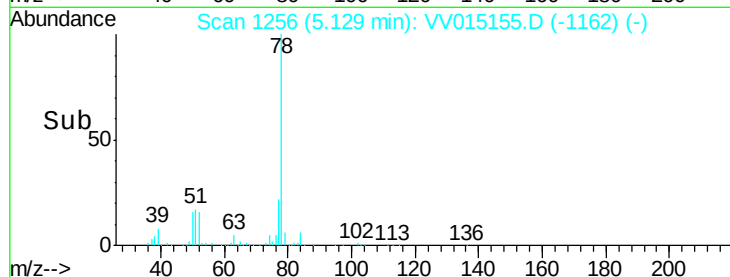
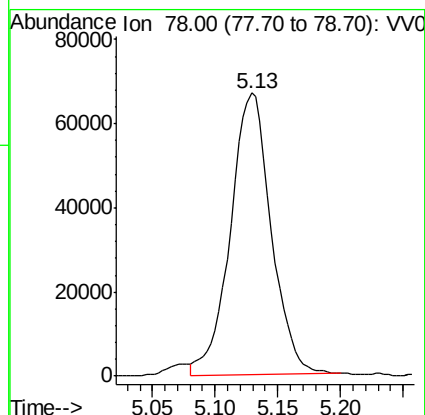
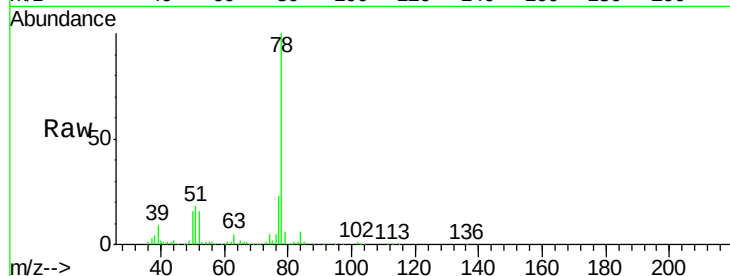
Instrument :

MSVOA_V

ClientSampleId :

C0DD8DL

Tgt Ion: 78 Resp: 150913



#51

Chlorobenzene

Concen: 90.922 ug/L

RT: 8.90 min Scan# 2430

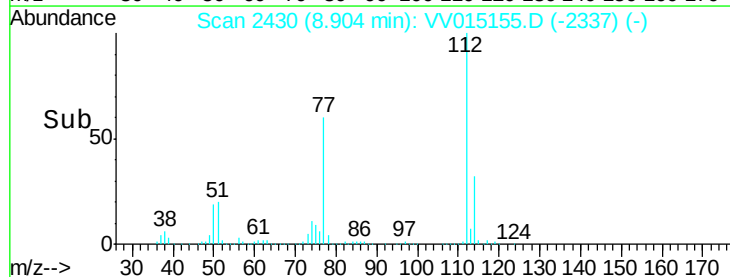
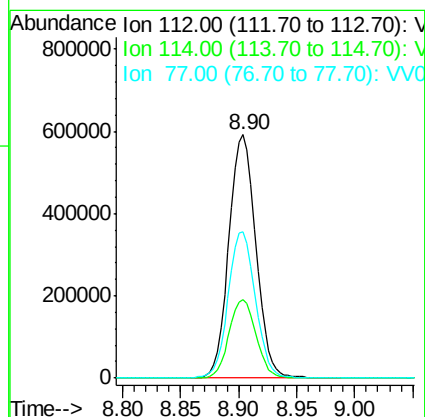
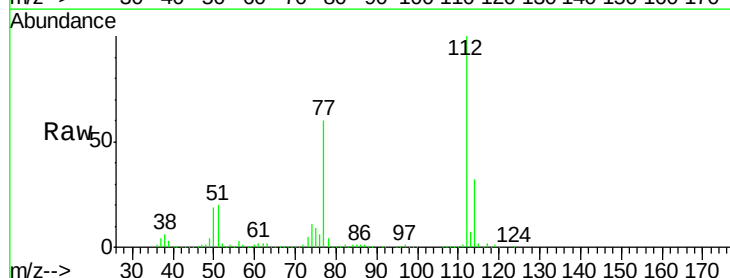
Delta R.T. 0.00 min

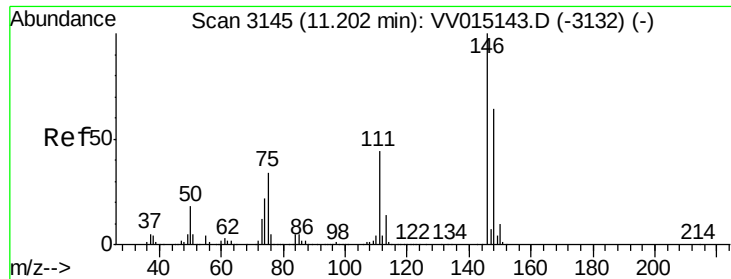
Lab File: VV015155.D

Acq: 25 Mar 2020 23:45

Tgt Ion: 112 Resp: 956386

Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	40.8
77	59.9	47.2	70.8





#62

1,3-Dichlorobenzene

Concen: 4.201 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015155.D

Acq: 25 Mar 2020 23:45

Instrument :

MSVOA_V

ClientSampled :

C0DD8DL

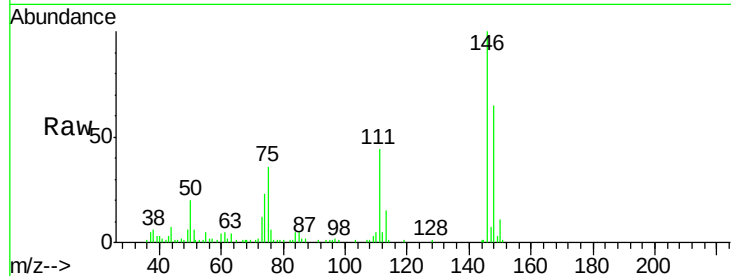
Tot Ion:146 Resp: 30658

Ion Ratio Lower Upper

146 100

111 43.7 29.3 54.5

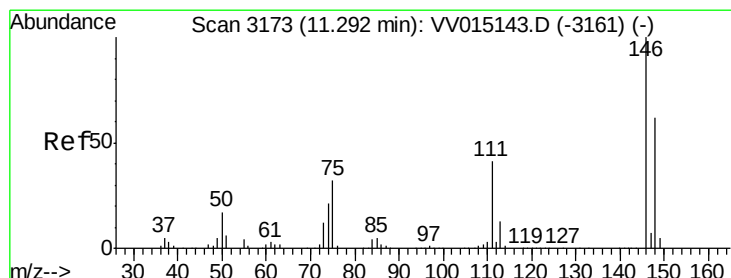
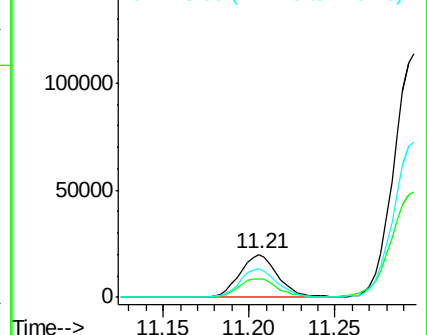
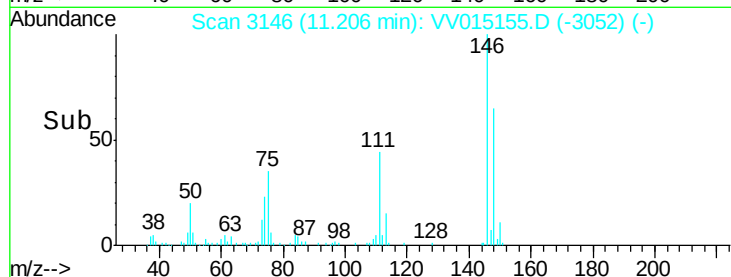
148 65.2 44.7 82.9



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: 23.564 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015155.D

Acq: 25 Mar 2020 23:45

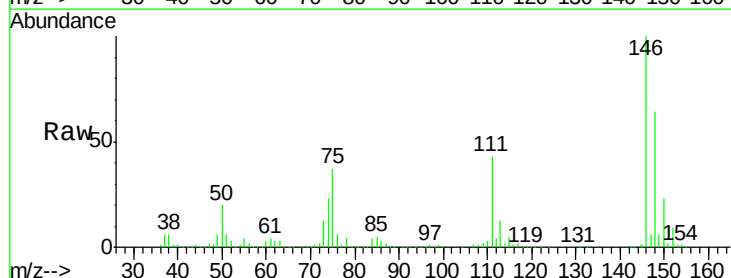
Tgt Ion:146 Resp: 175205

Ion Ratio Lower Upper

146 100

111 43.1 28.4 52.8

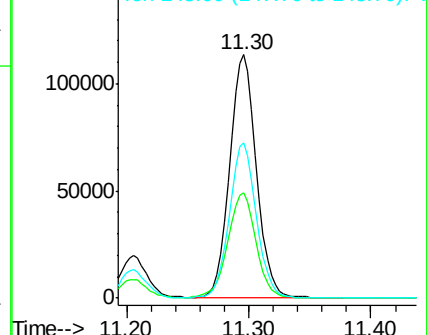
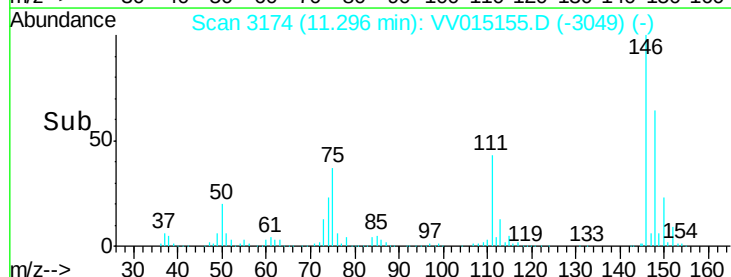
148 63.6 44.0 81.8

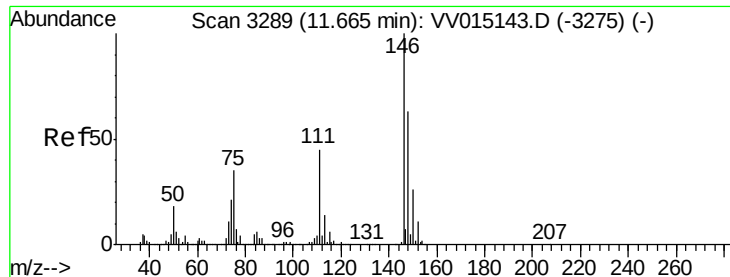


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

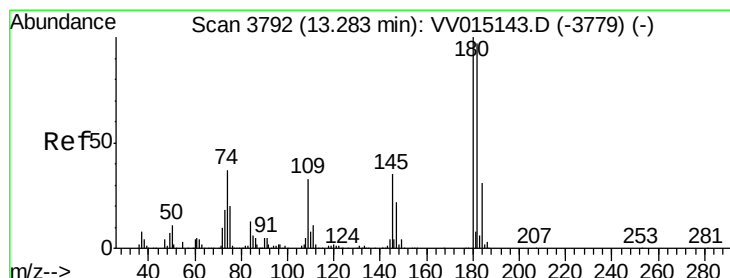
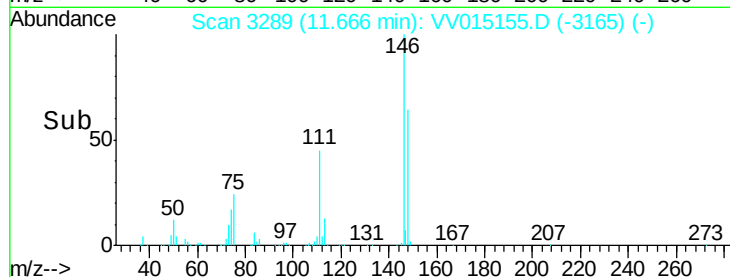
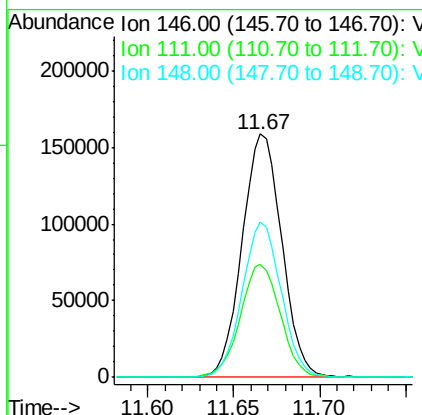
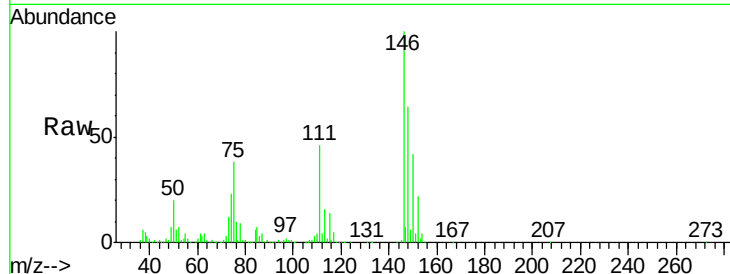




#65
 1,2-Dichlorobenzene
 Concen: 34.506 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015155.D
 Acq: 25 Mar 2020 23:45

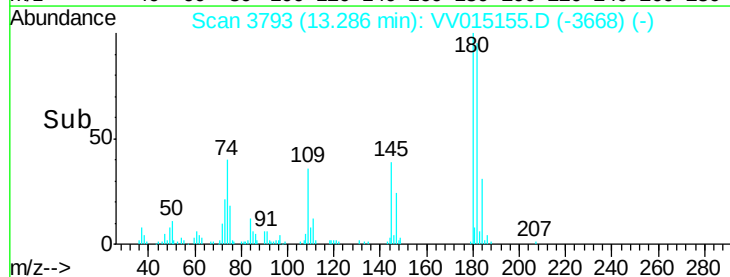
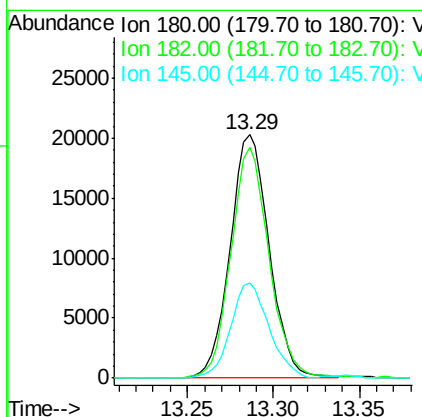
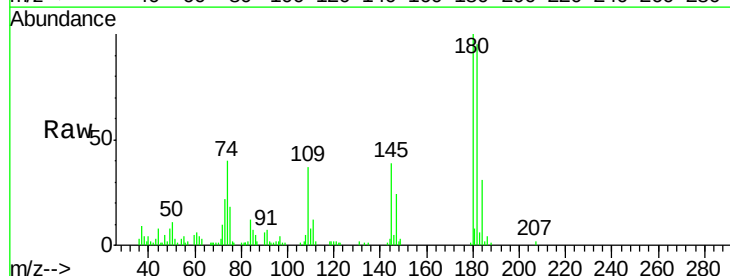
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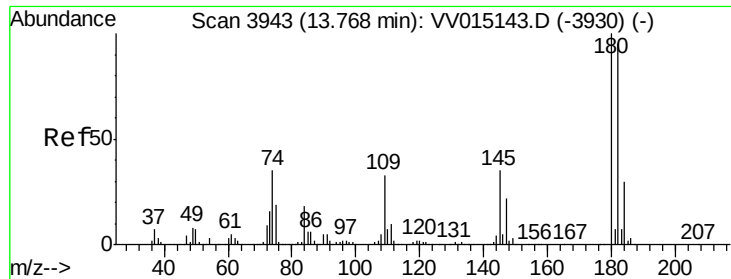
Tot Ion:146 Resp: 254083
 Ion Ratio Lower Upper
 146 100
 111 46.4 35.4 53.2
 148 64.0 49.7 74.5



#68
 1,2,4-trichlorobenzene
 Concen: 6.920 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015155.D
 Acq: 25 Mar 2020 23:45

Tgt Ion:180 Resp: 32044
 Ion Ratio Lower Upper
 180 100
 182 91.8 76.1 114.1
 145 38.4 26.6 40.0

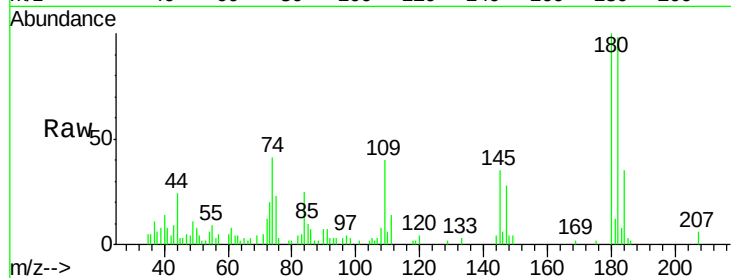




#70
 1,2,3-Trichlorobenzene
 Concen: 2.326 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV015155.D
 Acq: 25 Mar 2020 23:45

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD8DL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	98.9	76.3	114.5	
145	37.4	29.6	44.4	



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

