

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015149.D
 Acq On : 25 Mar 2020 21:20
 Operator : SY/MD
 Sample : L1968-01DL 400X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC7DL

Quant Time: Mar 30 18:12:00 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	603445	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	570254	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	249245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	209388	41.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	199698	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.38%
11) 1,1-Dichloroethene-d2	2.12	63	343957	34.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.20%
21) 2-Butanone-d5	3.94	46	319087	96.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.37%
24) Chloroform-d	4.38	84	367341	43.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.78%
26) 1,2-Dichloroethane-d4	5.06	65	252443	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.96%
32) Benzene-d6	5.08	84	757079	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
36) 1,2-Dichloropropane-d6	6.10	67	243516	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.34	98	713936	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	7.64	79	114045	39.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.80%
47) 2-Hexanone-d5	8.12	63	246966	94.50	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.50%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	345477	44.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	248095	44.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

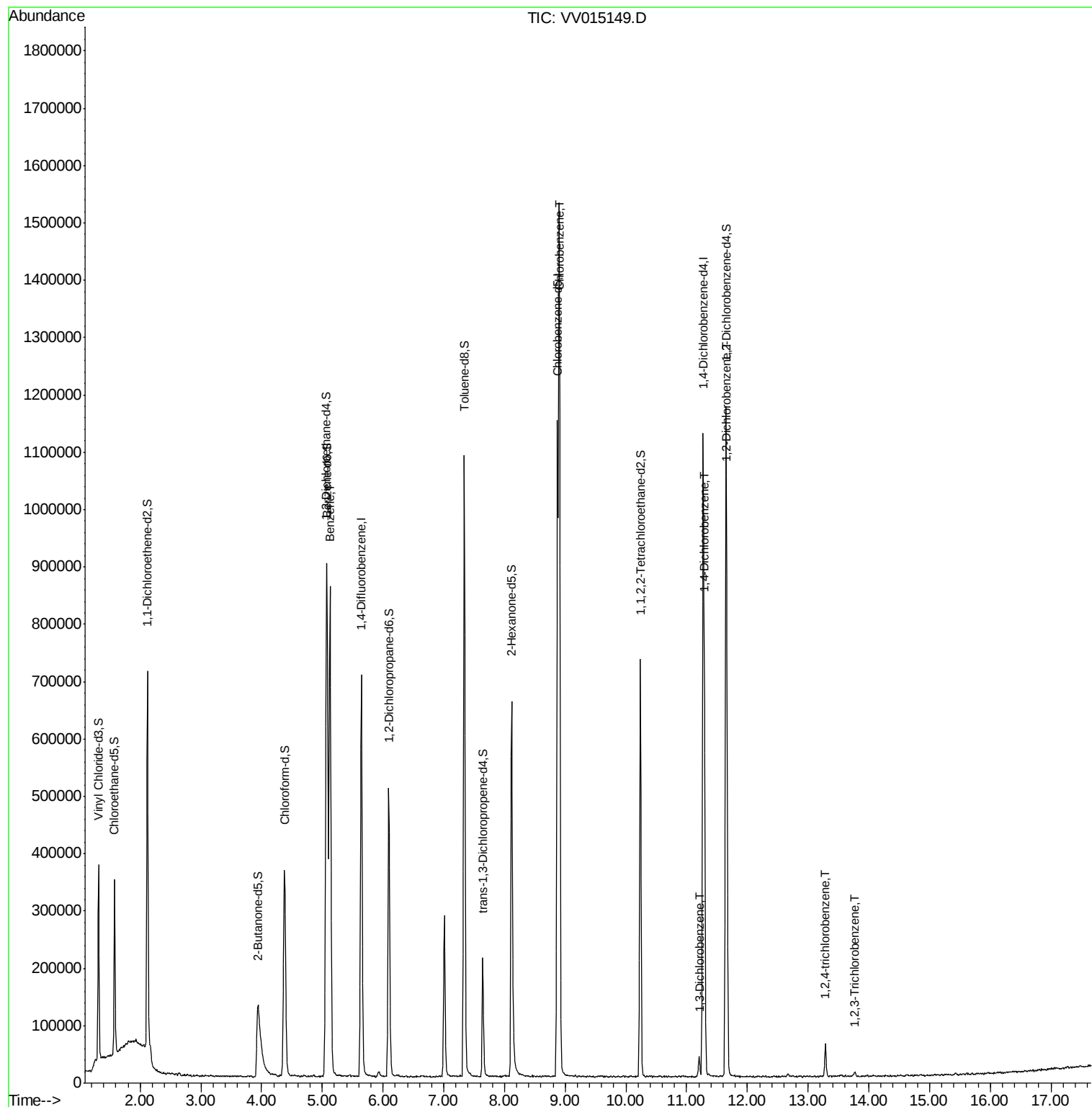
					Ovalue
33) Benzene	5.13	78	856628	58.374	ug/L 100
51) Chlorobenzene	8.90	112	764248	72.238	ug/L 99
62) 1,3-Dichlorobenzene	11.21	146	13020	1.784	ug/L 95
63) 1,4-Dichlorobenzene	11.30	146	217300	29.218	ug/L 98
65) 1,2-Dichlorobenzene	11.67	146	157069	21.326	ug/L 96
68) 1,2,4-trichlorobenzene	13.29	180	13958	3.013	ug/L 98
70) 1,2,3-Trichlorobenzene	13.77	180	2042	0.444	ug/L 96

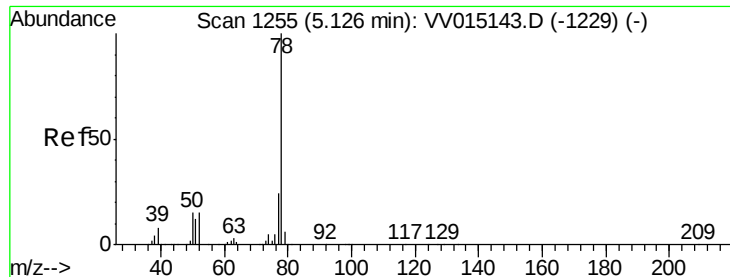
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 26 02:00:02 2020
Response via : Initial Calibration





#33

Benzene

Concen: 58.374 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV015149.D

Acq: 25 Mar 2020 21:20

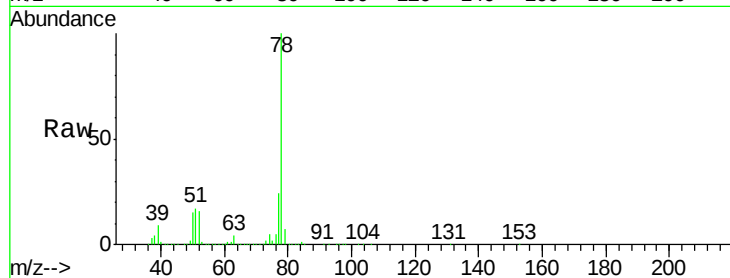
Instrument :

MSVOA_V

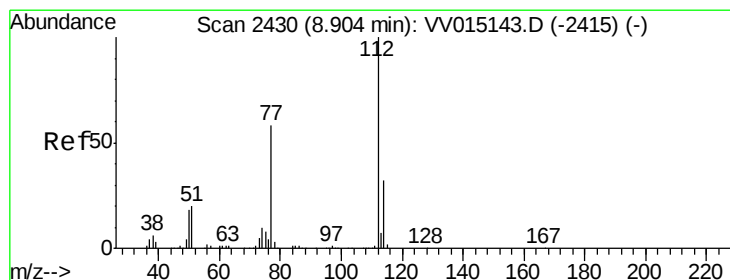
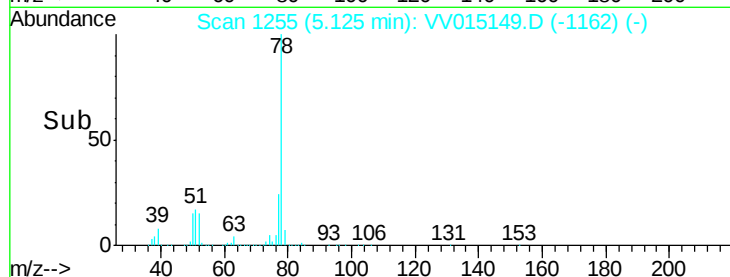
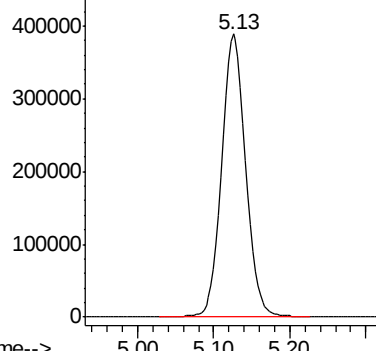
ClientSampleId :

C0DC7DL

Tgt Ion: 78 Resp: 856628



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 72.238 ug/L

RT: 8.90 min Scan# 2430

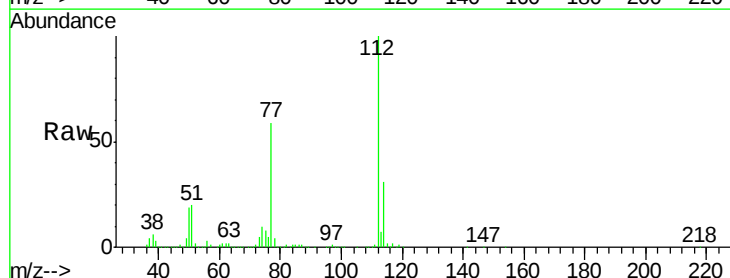
Delta R.T. -0.00 min

Lab File: VV015149.D

Acq: 25 Mar 2020 21:20

Tgt Ion: 112 Resp: 764248

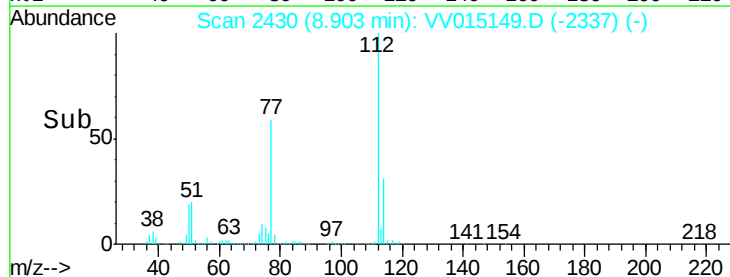
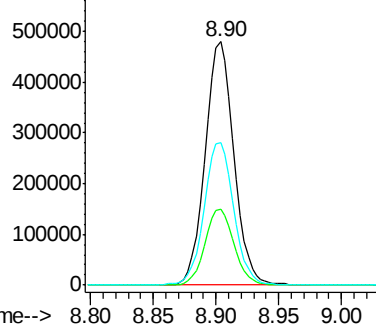
Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.0	40.8
77	58.5	47.2	70.8

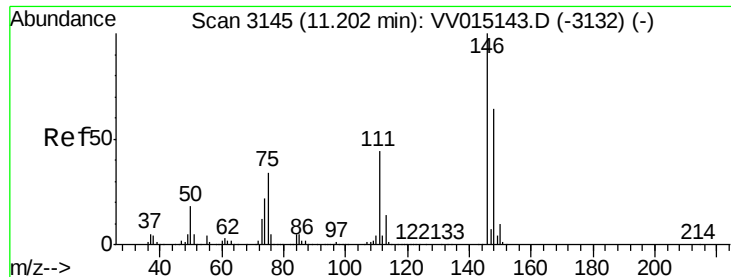


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 1.784 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015149.D

Acq: 25 Mar 2020 21:20

Instrument :

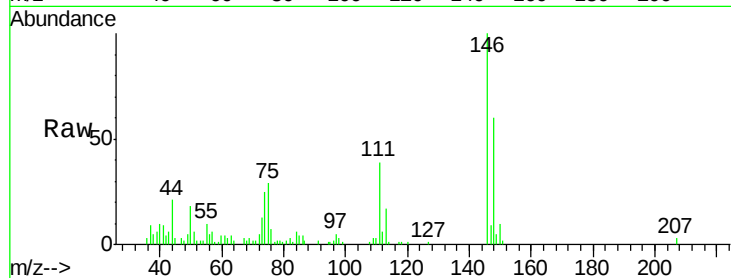
MSVOA_V

ClientSampleId :

C0DC7DL

Tot Ion:146 Resp: 13020

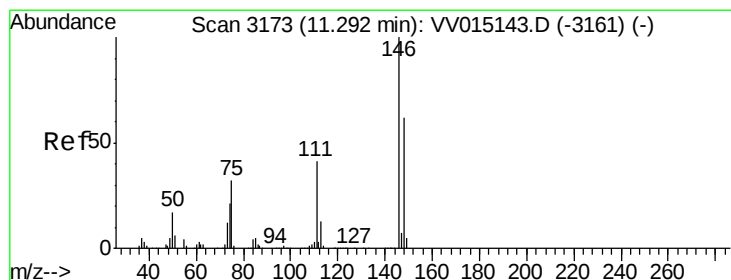
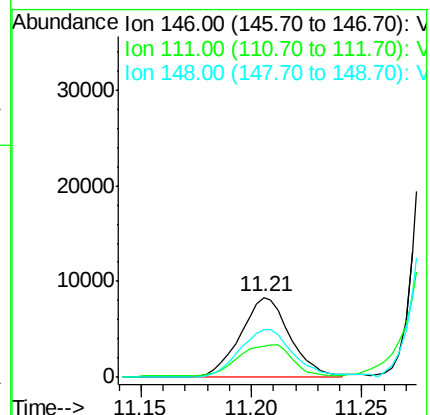
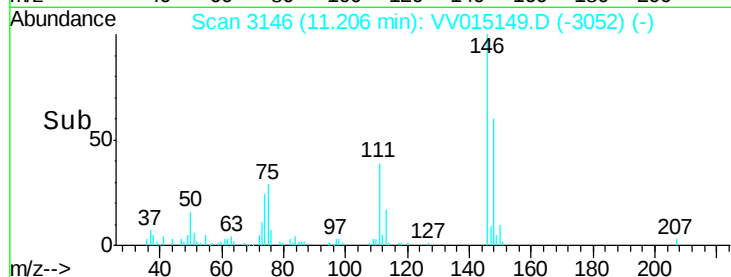
Ion	Ratio	Lower	Upper
146	100		
111	38.9	29.3	54.5
148	59.8	44.7	82.9



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: 29.218 ug/L

RT: 11.30 min Scan# 3174

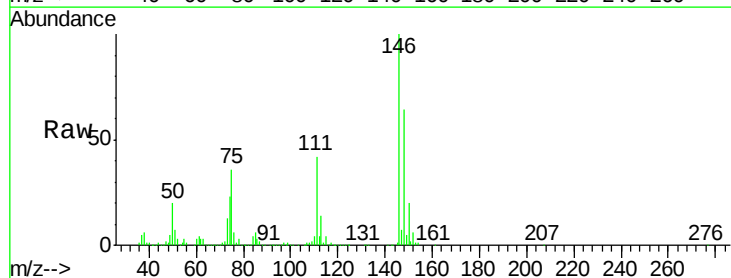
Delta R.T. 0.00 min

Lab File: VV015149.D

Acq: 25 Mar 2020 21:20

Tgt Ion:146 Resp: 217300

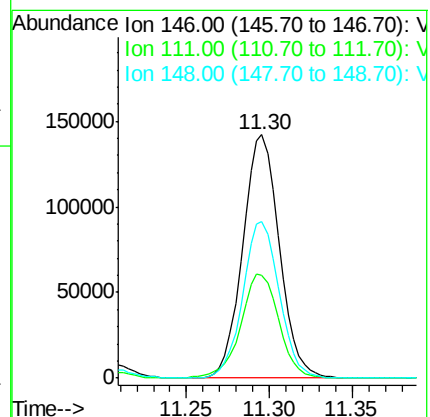
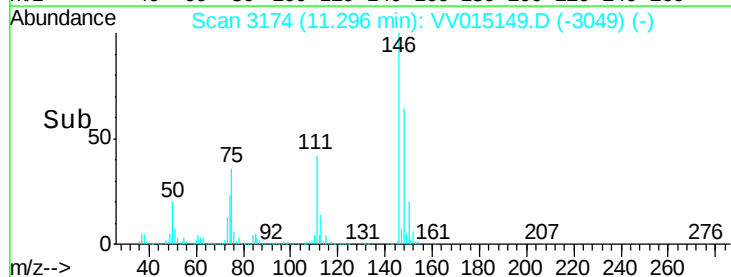
Ion	Ratio	Lower	Upper
146	100		
111	42.4	28.4	52.8
148	64.2	44.0	81.8

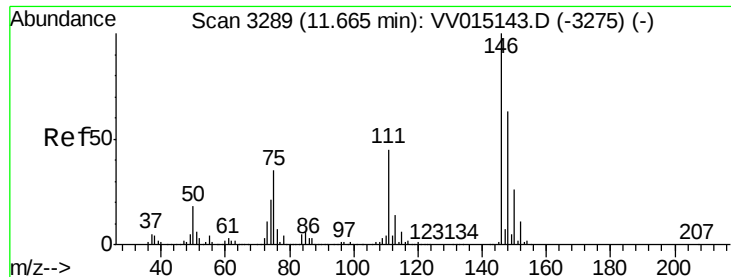


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 21.326 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015149.D

Acq: 25 Mar 2020 21:20

Instrument :

MSVOA_V

ClientSampleId :

C0DC7DL

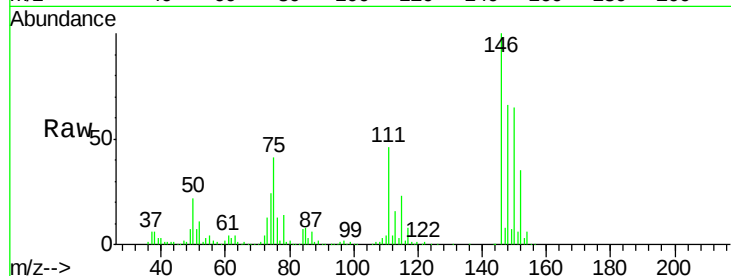
Tot Ion:146 Resp: 157069

Ion Ratio Lower Upper

146 100

111 46.2 35.4 53.2

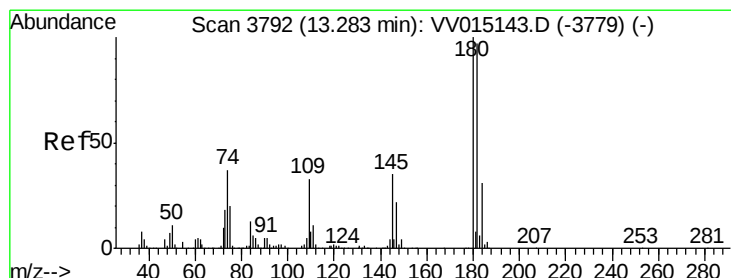
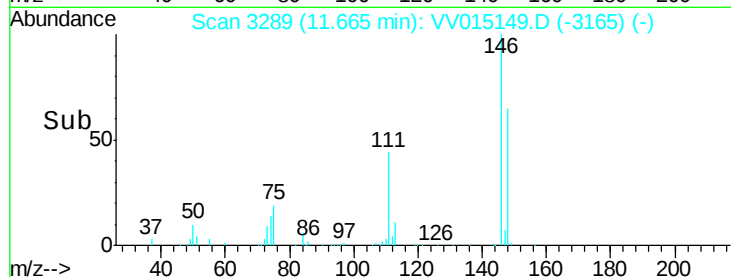
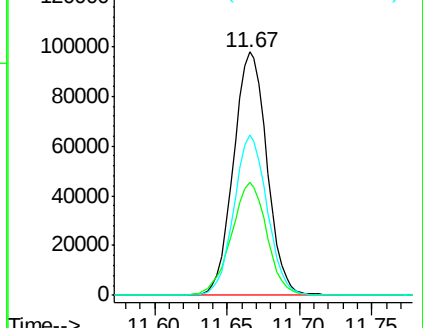
148 65.8 49.7 74.5



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: 3.013 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015149.D

Acq: 25 Mar 2020 21:20

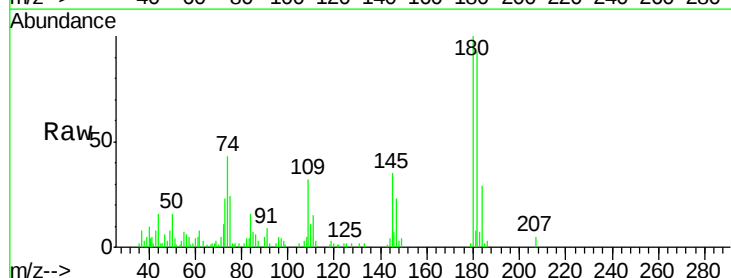
Tgt Ion:180 Resp: 13958

Ion Ratio Lower Upper

180 100

182 96.6 76.1 114.1

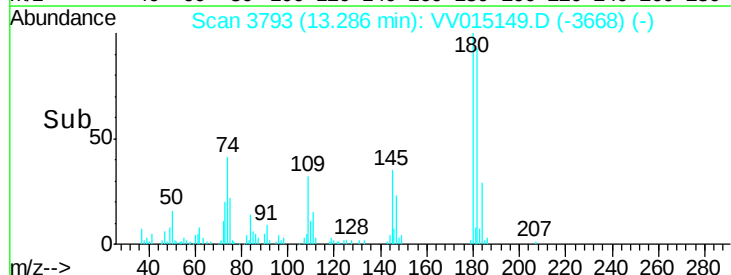
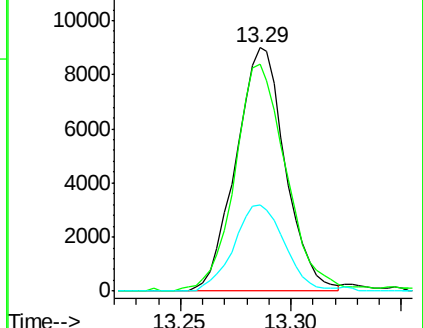
145 36.1 26.6 40.0

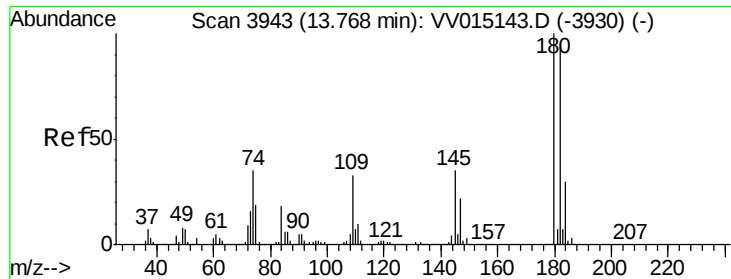


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.444 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV015149.D
 Acq: 25 Mar 2020 21:20

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC7DL

Tot Ion:180 Resp: 2042
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.3 114.5
 145 29.7 29.6 44.4

