

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040220\
 Data File : VV015368.D
 Acq On : 02 Apr 2020 12:46
 Operator : SY/MD
 Sample : L2005-04 10X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 03 01:32:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 03 01:25:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	791546	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	752468	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	371125	50.00	ug/L	0.00

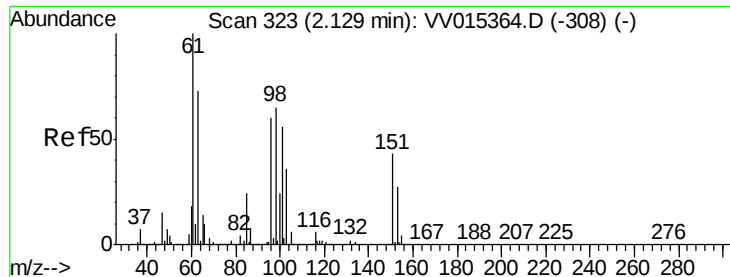
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	223852	31.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.08%
7) Chloroethane-d5	1.58	69	203123	33.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	67.00%#
11) 1,1-Dichloroethene-d2	2.11	63	377763	29.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.56%#
21) 2-Butanone-d5	3.94	46	292869	77.64	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	77.64%
24) Chloroform-d	4.37	84	421121	35.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.88%
26) 1,2-Dichloroethane-d4	5.06	65	283993	38.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.82%
32) Benzene-d6	5.07	84	908944	39.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.44%
36) 1,2-Dichloropropane-d6	6.09	67	274737	40.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.42%
41) Toluene-d8	7.34	98	873600	39.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.84%#
43) trans-1,3-Dichloropropene-	7.64	79	143507	38.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.02%
47) 2-Hexanone-d5	8.12	63	241951	77.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	395073	40.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	349239	41.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.74%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	4169	0.698	ug/L	# 28
25) Chloroform	4.40	83	25533	2.393	ug/L	99
33) Benzene	5.12	78	843732	37.883	ug/L	100
51) Chlorobenzene	8.90	112	1531677	94.417	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	216181	17.303	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	1224691	96.650	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	1845562	144.825	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	462405	61.137	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	188410	24.183	ug/L	99

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



#10

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

Concen: 0.698 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV015368.D

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Instrument :

MSVOA_V

ClientSampleId :

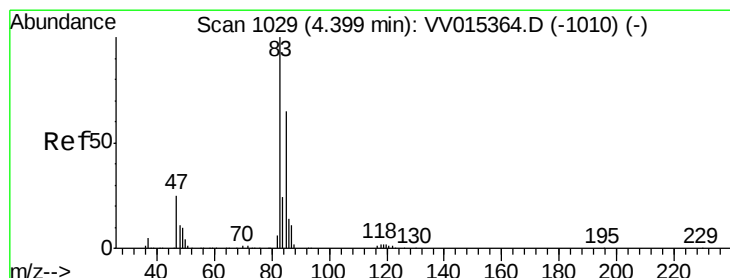
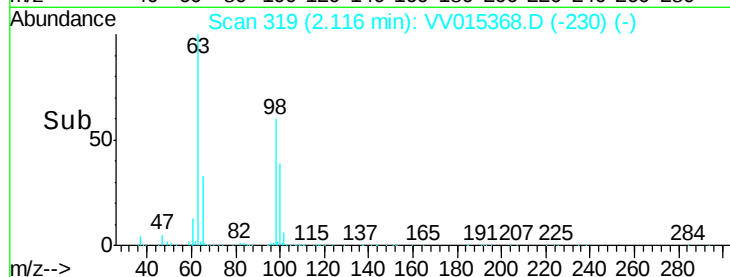
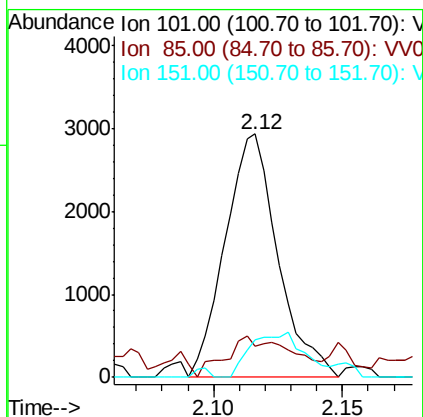
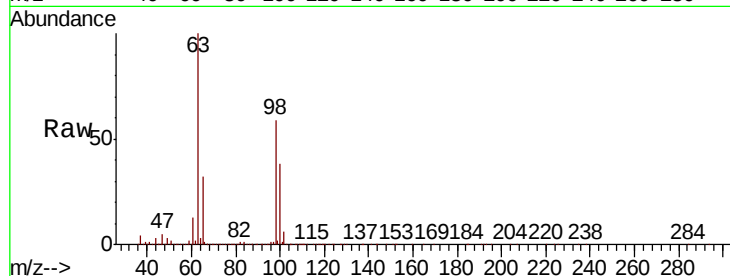
Tot Ion:101 Resp: 4169

Ion Ratio Lower Upper

101 100

85 3.2 36.1 54.1#

151 8.9 58.2 87.4#



#25

Chloroform

Concen: 2.393 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV015368.D

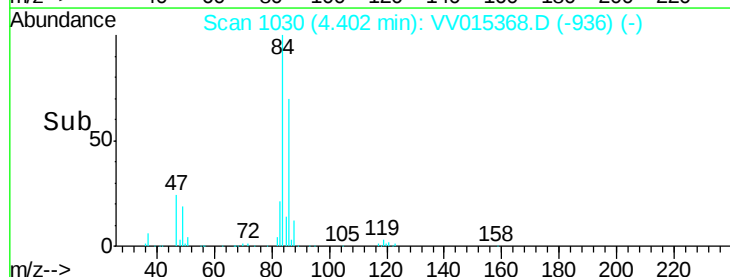
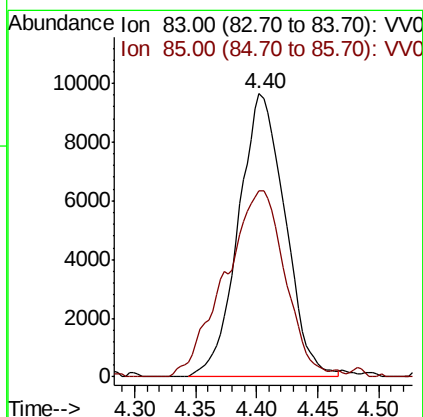
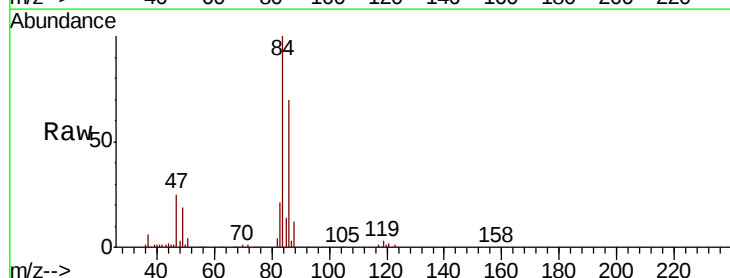
Acq: 02 Apr 2020 12:46

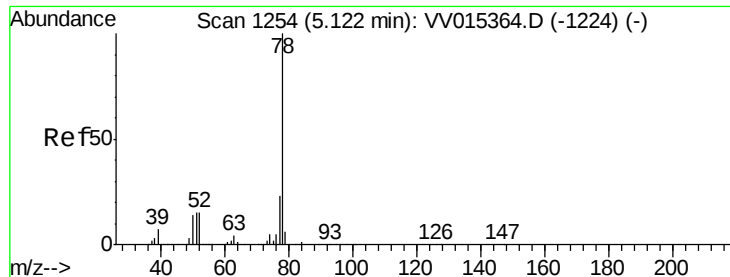
Tgt Ion: 83 Resp: 25533

Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9





#33

Benzene

Concen: 37.883 ug/L

RT: 5.12 min Scan# 1254

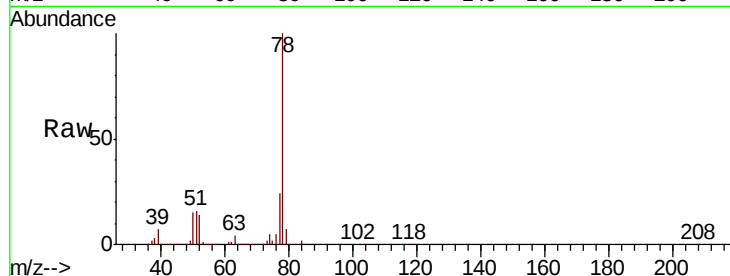
Delta R.T. 0.00 min

Lab File: VV015368.D

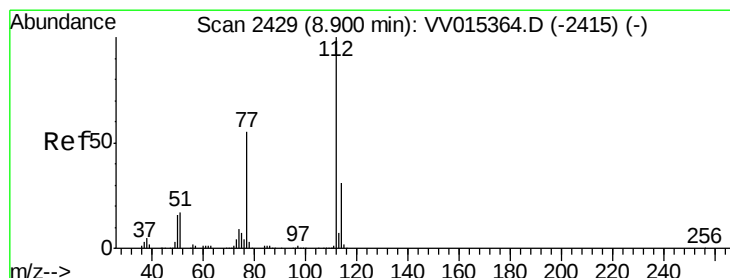
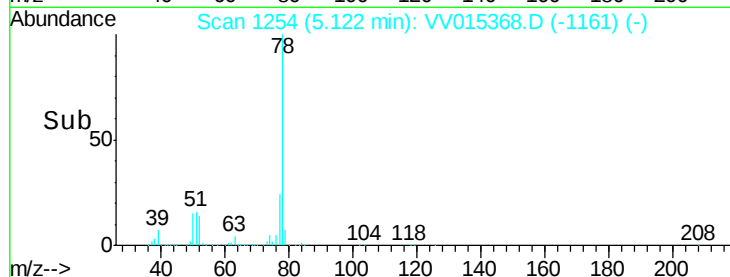
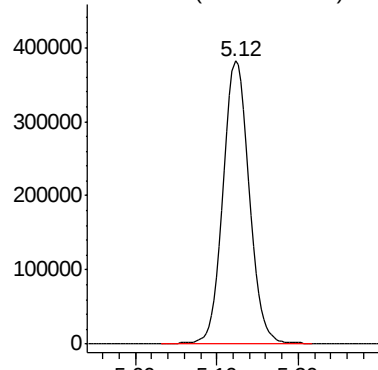
Acq: 02 Apr 2020 12:46

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 78 Resp: 843732



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 94.417 ug/L

RT: 8.90 min Scan# 2430

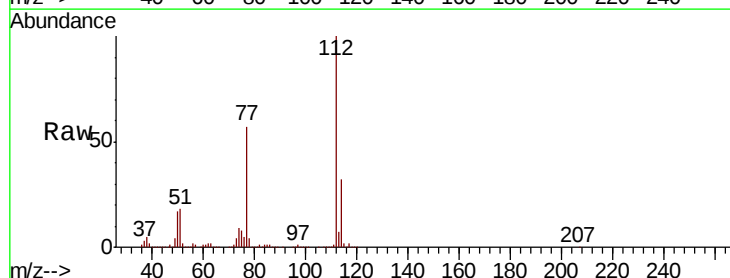
Delta R.T. 0.00 min

Lab File: VV015368.D

Acq: 02 Apr 2020 12:46

Tgt Ion: 112 Resp: 1531677

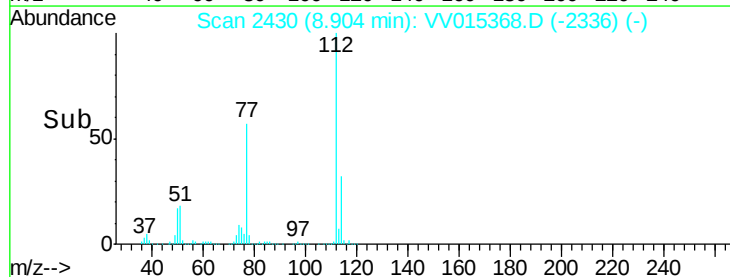
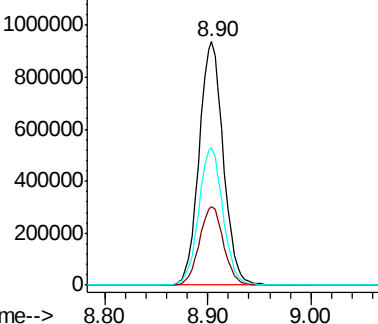
Ion	Ratio	Lower	Upper
112	100		
114	32.5	21.8	40.4
77	56.6	46.2	69.2

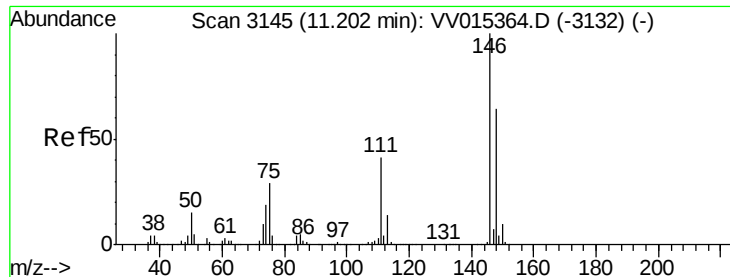


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 17.303 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015368.D

Acq: 02 Apr 2020 12:46

Instrument :

MSVOA_V

ClientSampled :

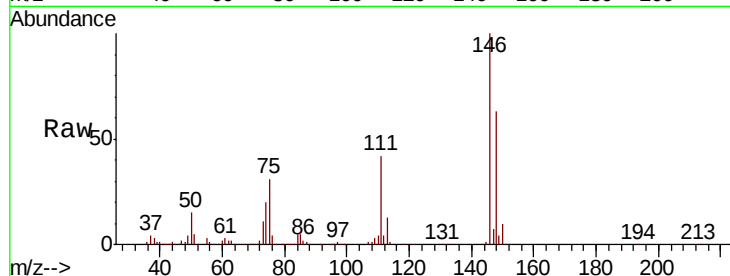
Tot Ion:146 Resp: 216181

Ion Ratio Lower Upper

146 100

111 41.7 30.2 56.2

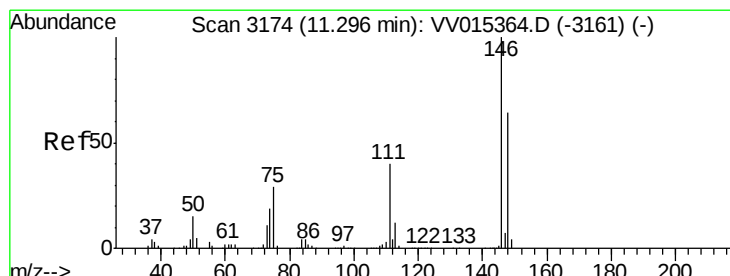
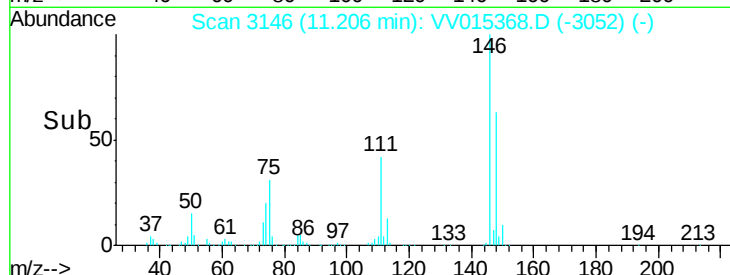
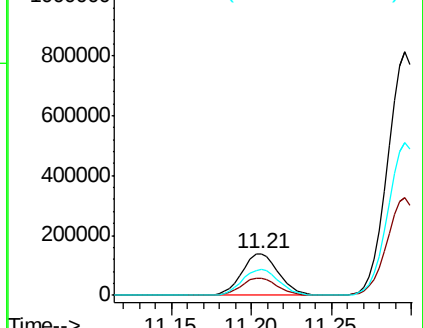
148 63.2 44.7 83.1



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: 96.650 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015368.D

Acq: 02 Apr 2020 12:46

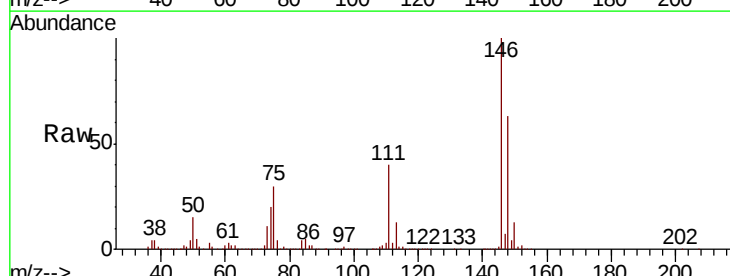
Tgt Ion:146 Resp: 1224691

Ion Ratio Lower Upper

146 100

111 40.0 29.3 54.5

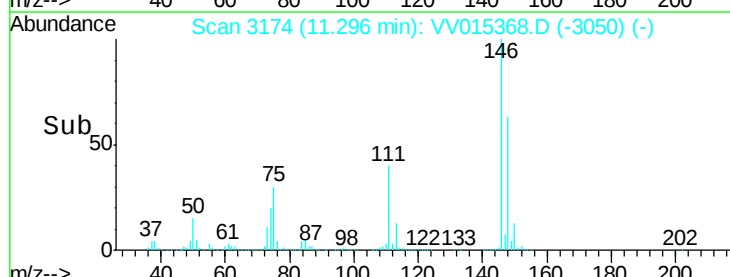
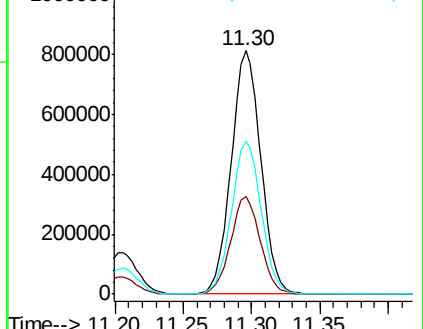
148 62.7 44.7 82.9

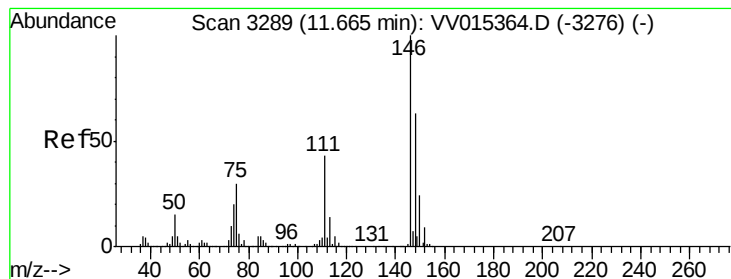


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 144.825 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015368.D

Acq: 02 Apr 2020 12:46

Instrument :

MSVOA_V

ClientSampleId :

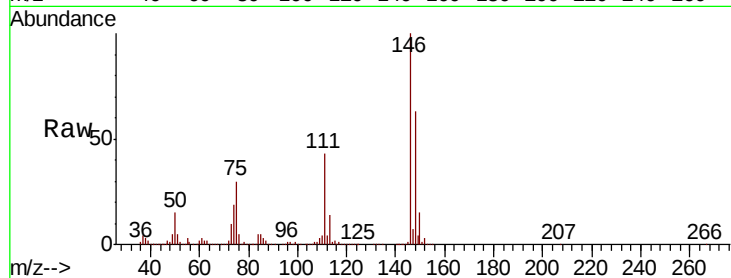
Tot Ion:146 Resp: 1845562

Ion Ratio Lower Upper

146 100

111 42.7 35.1 52.7

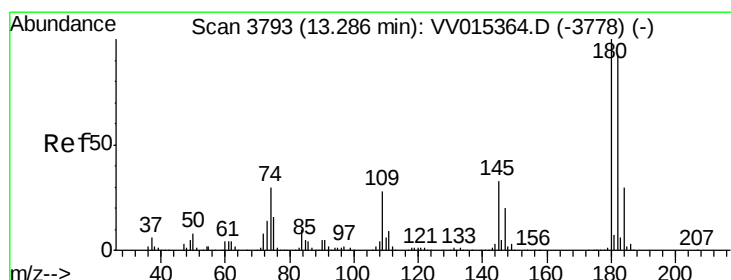
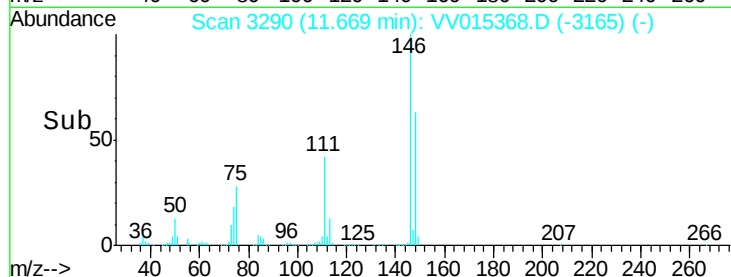
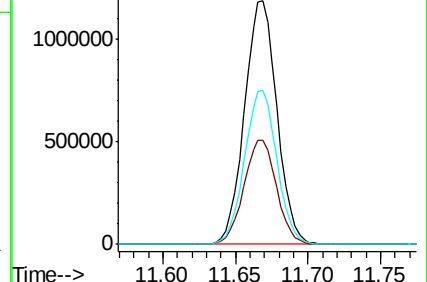
148 63.2 51.0 76.4



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: 61.137 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV015368.D

Acq: 02 Apr 2020 12:46

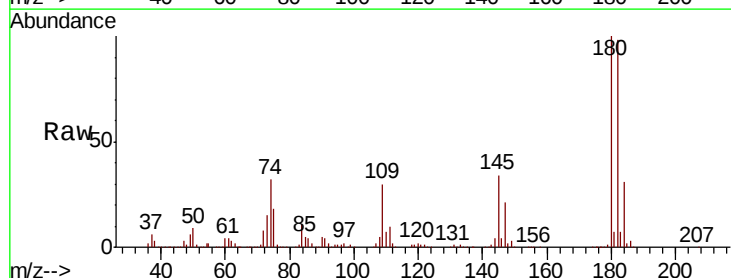
Tgt Ion:180 Resp: 462405

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

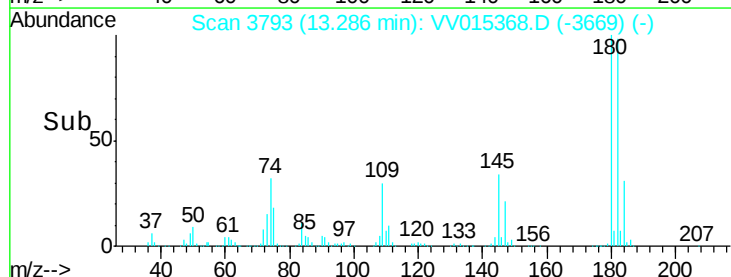
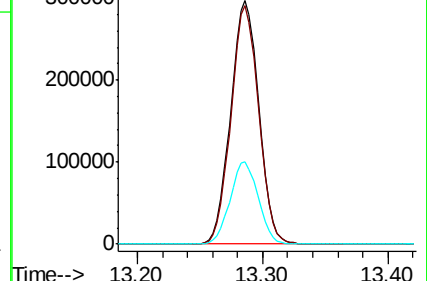
145 33.8 27.7 41.5

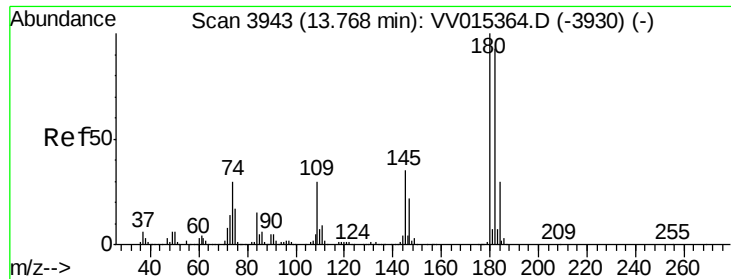


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 24.183 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015368.D

Acq: 02 Apr 2020 12:46

Instrument :

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ClientSampleId :

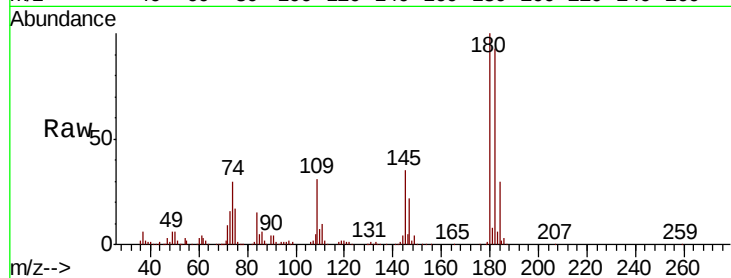
Tot Ion:180 Resp: 188410

Ion Ratio Lower Upper

180 100

182 94.6 76.1 114.1

145 35.9 28.2 42.4



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

