

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV030920\
 Data File : VV014773.D
 Acq On : 09 Mar 2020 13:50
 Operator : SY/MD
 Sample : L1834-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK8

Quant Time: Mar 10 15:33:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	388401	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	390009	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	196612	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	124924	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.06%
7) Chloroethane-d5	1.58	69	102775	49.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.92%
11) 1,1-Dichloroethene-d2	2.12	63	163591	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
21) 2-Butanone-d5	3.93	46	198211	101.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.11%
24) Chloroform-d	4.38	84	237513	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	5.06	65	176008	52.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.14%
32) Benzene-d6	5.08	84	544487	52.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.74%
36) 1,2-Dichloropropane-d6	6.10	67	168521	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.34	98	513905	50.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.90%
43) trans-1,3-Dichloropropene-	7.64	79	84913	50.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.90%
47) 2-Hexanone-d5	8.12	63	155187	102.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.40%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	230426	49.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	209897	53.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.72%

Target Compounds

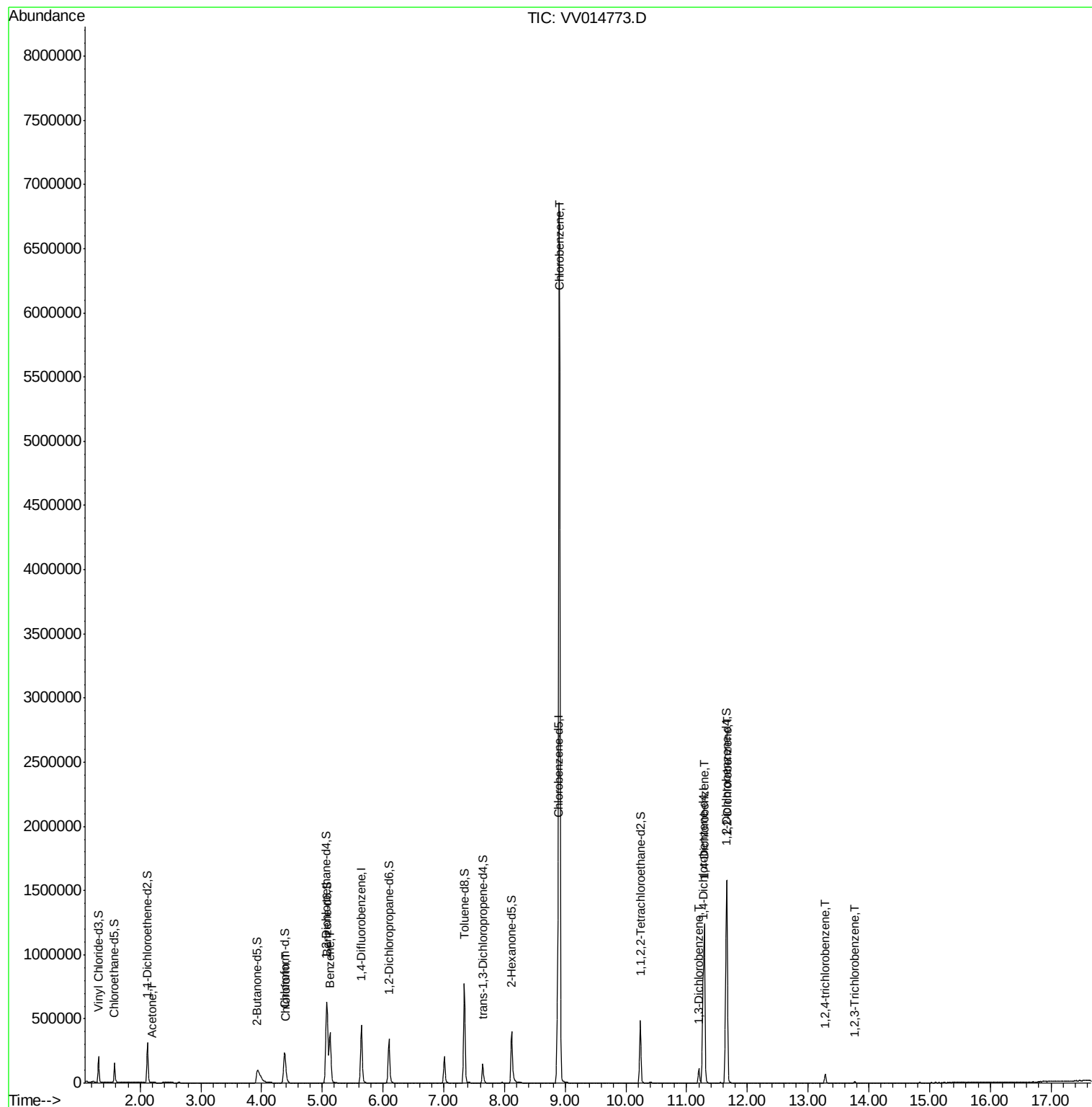
					Ovalue
13) Acetone	2.21	43	4220	2.578 ug/L	55
25) Chloroform	4.41	83	30641	5.810 ug/L	96
33) Benzene	5.13	78	393131	34.794 ug/L	100
51) Chlorobenzene	8.90	112	3537811	441.113 ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	46973	7.388 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	472949	73.835 ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	560371	88.528 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	20157	4.460 ug/L	89
70) 1,2,3-Trichlorobenzene	13.77	180	3570	0.792 ug/L #	92

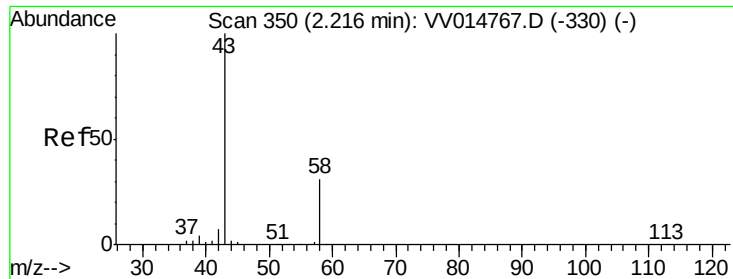
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.578 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

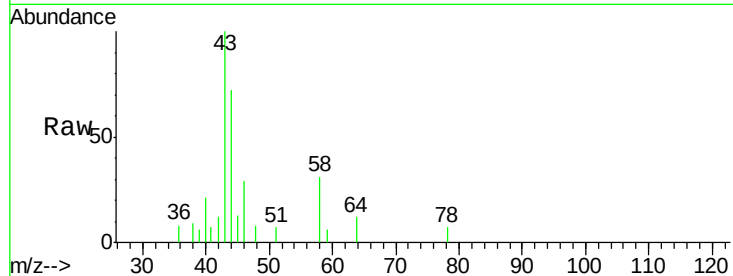
C0DK8

Tot Ion: 43 Resp: 4220

Ion Ratio Lower Upper

43 100

58 6.3 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014767.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV014767.D (-330) (-)

2000

1500

1000

500

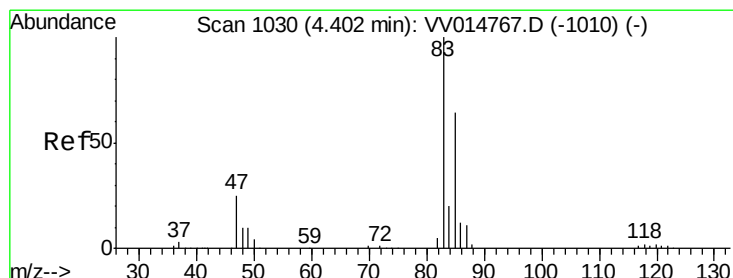
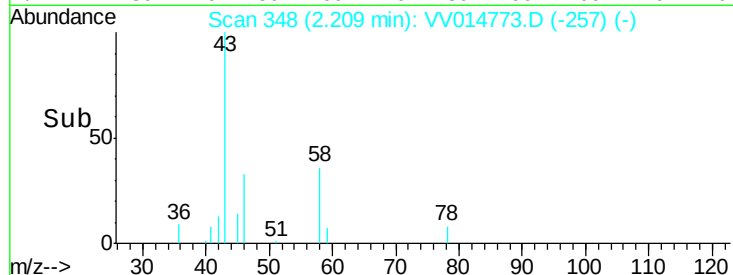
0

2.15

2.20

2.25

Time-->



#25

Chloroform

Concen: 5.810 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV014773.D

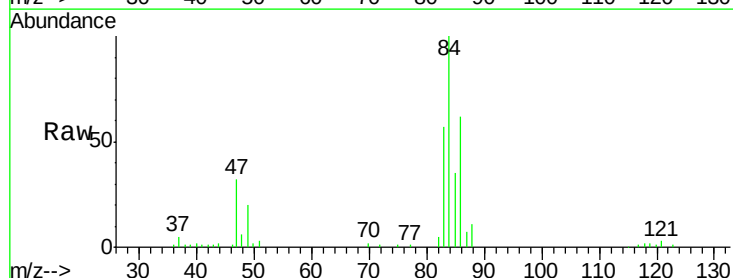
Acq: 09 Mar 2020 13:50

Tgt Ion: 83 Resp: 30641

Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV014767.D (-1010) (-)

Ion 85.00 (84.70 to 85.70): VV014767.D (-1010) (-)

10000

5000

0

4.30

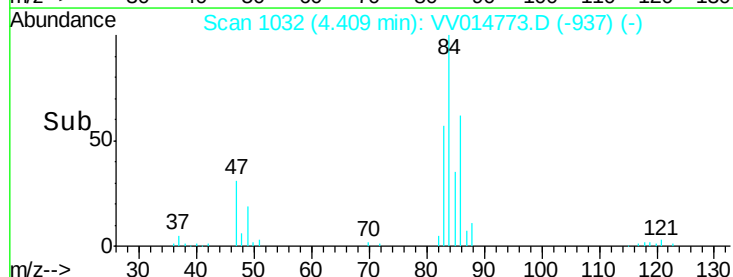
4.35

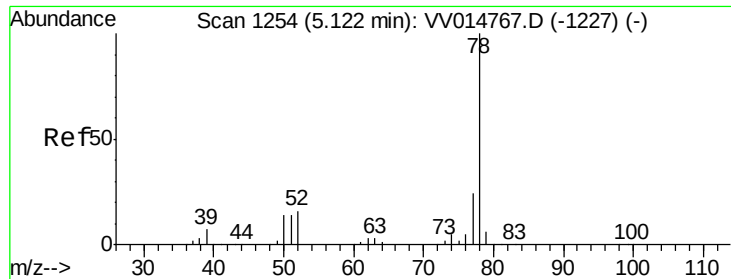
4.40

4.45

4.50

Time-->





#33

Benzene

Concen: 34.794 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

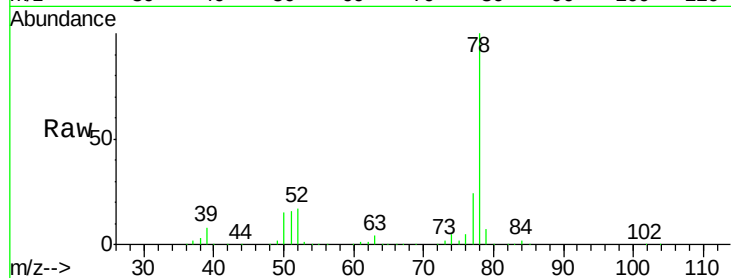
Instrument :

MSVOA_V

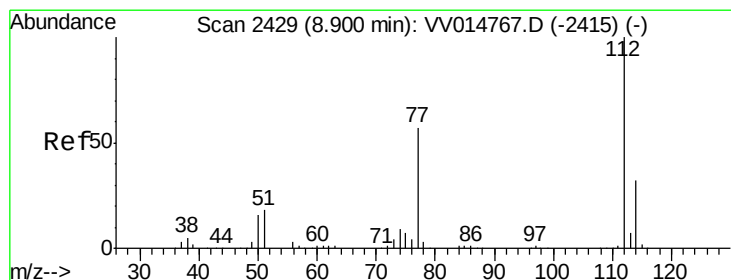
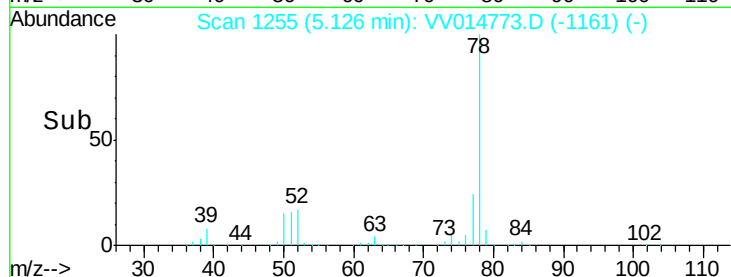
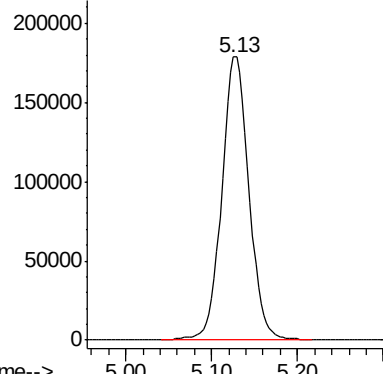
ClientSampleId :

C0DK8

Tgt Ion: 78 Resp: 393131



Abundance Ion 78.00 (77.70 to 78.70): VV0



#51

Chlorobenzene

Concen: 441.113 ug/L

RT: 8.90 min Scan# 2430

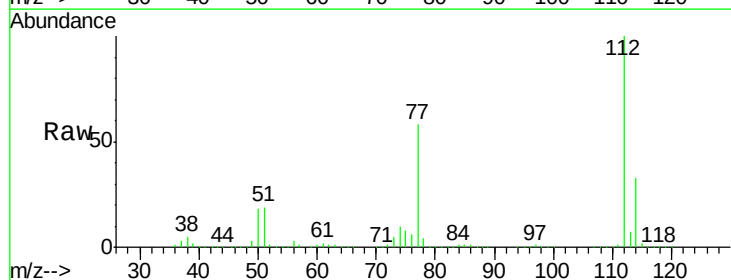
Delta R.T. 0.00 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

Tgt Ion: 112 Resp: 3537811

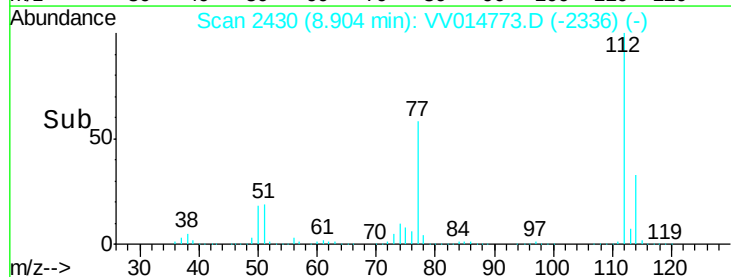
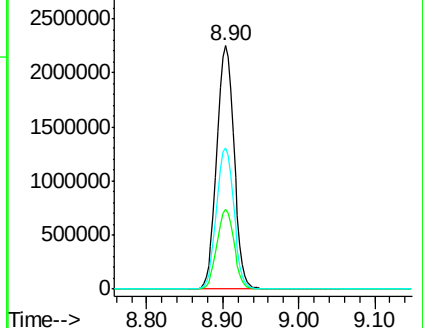
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.1	41.1
77	58.2	47.8	71.8

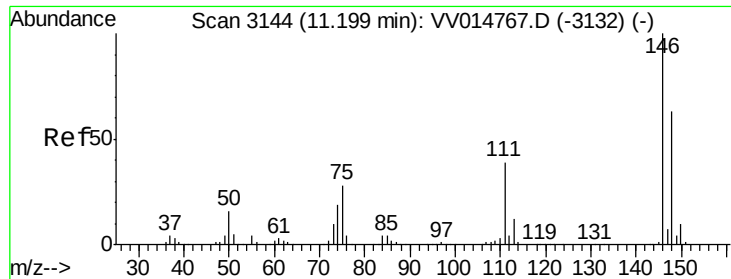


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 7.388 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

C0DK8

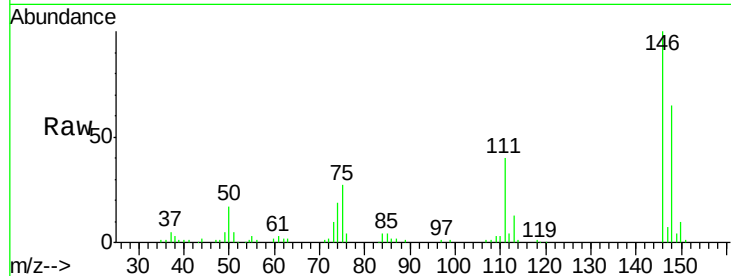
Tot Ion:146 Resp: 46973

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.4

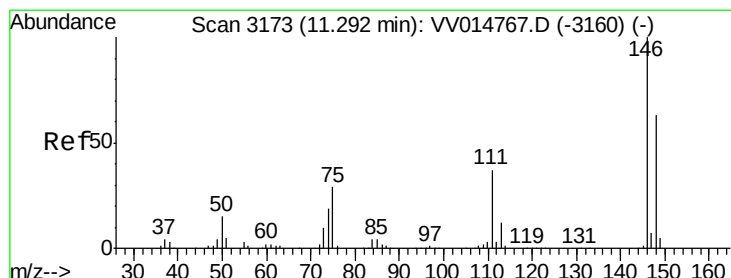
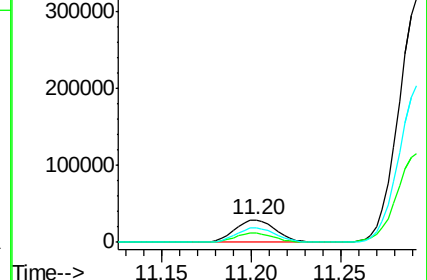
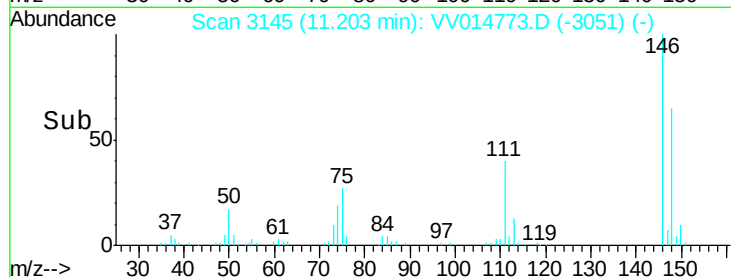
148 64.8 44.2 82.2



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: 73.835 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

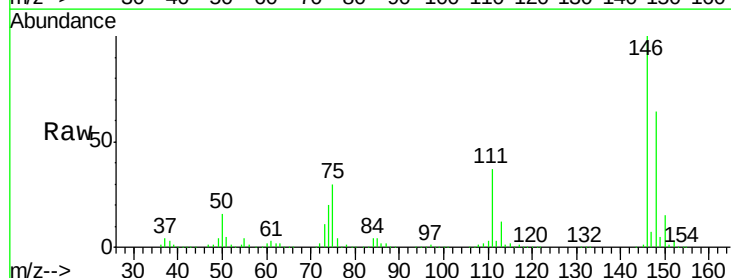
Tgt Ion:146 Resp: 472949

Ion Ratio Lower Upper

146 100

111 36.6 26.3 48.9

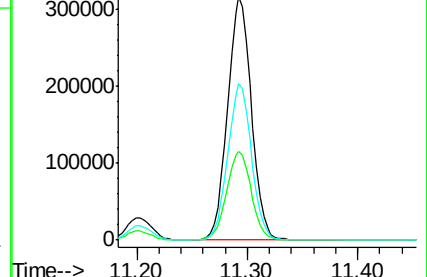
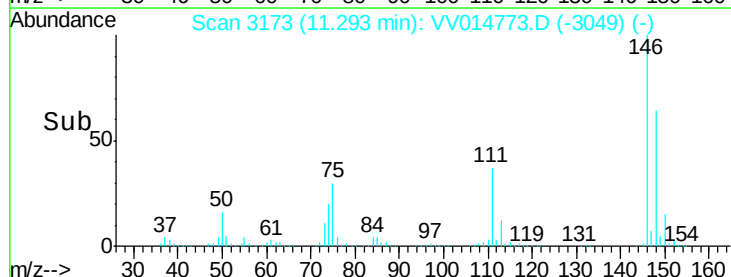
148 64.4 44.0 81.8

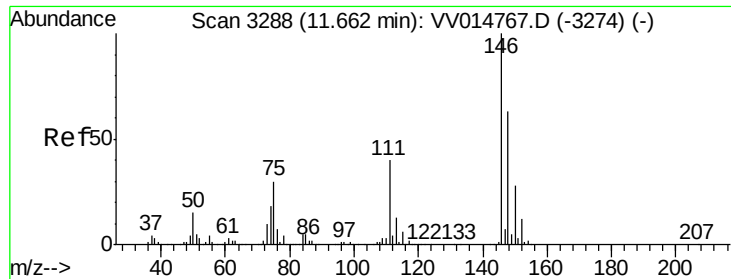


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

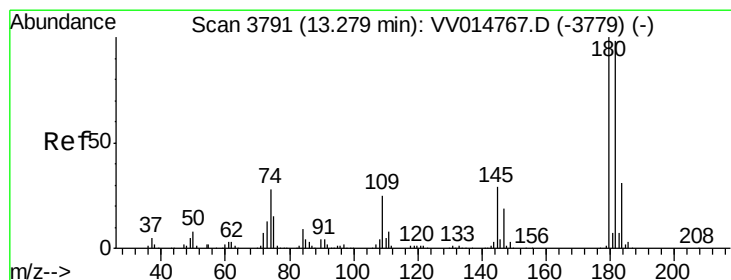
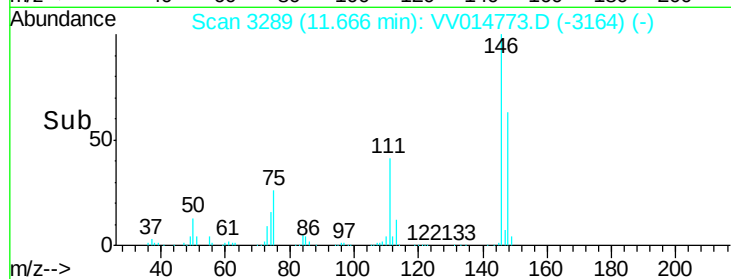
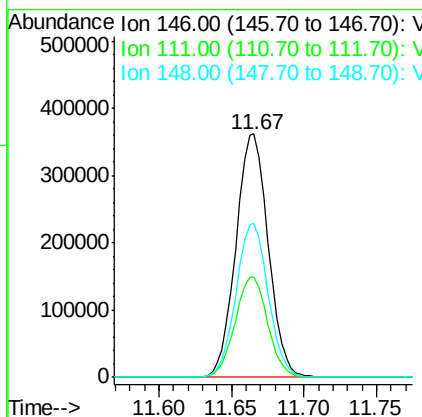
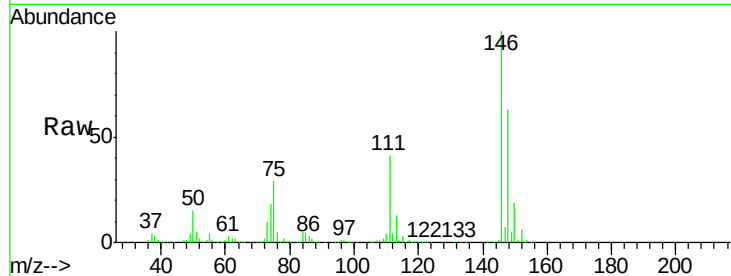




#65
 1,2-Dichlorobenzene
 Concen: 88.528 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

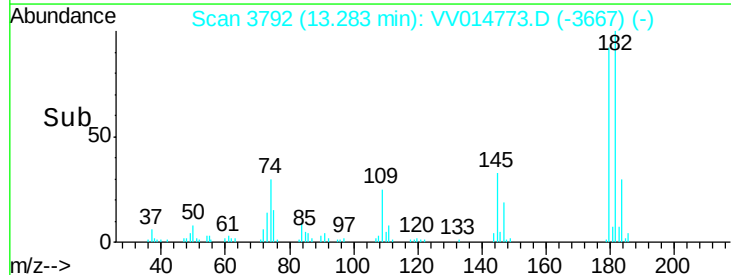
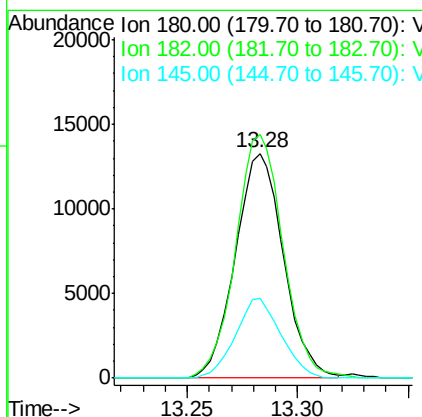
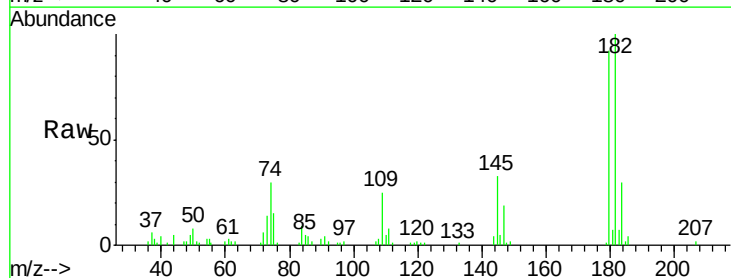
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 MSVOA_V
 ClientSampleId :
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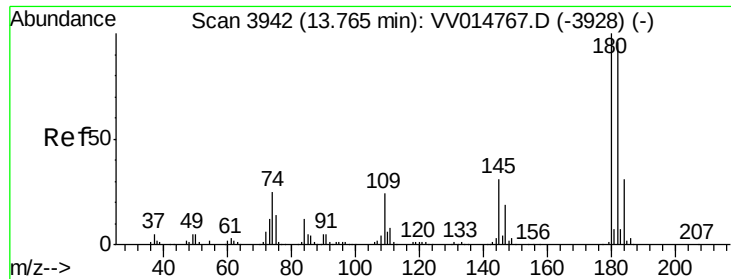
Tot Ion:146 Resp: 560371
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.9 50.9
 148 63.4 51.4 77.0



#68
 1,2,4-trichlorobenzene
 Concen: 4.460 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

Tgt Ion:180 Resp: 20157
 Ion Ratio Lower Upper
 180 100
 182 106.8 76.6 114.8
 145 33.5 23.4 35.0

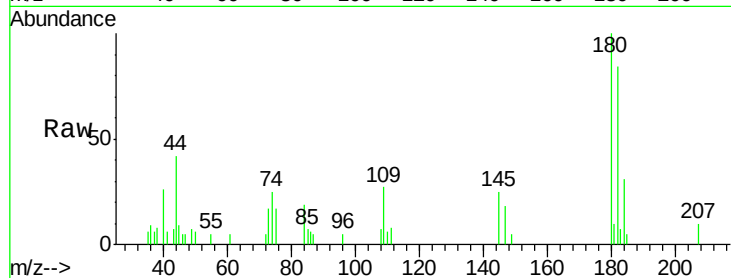




#70
 1,2,3-Trichlorobenzene
 Concen: 0.792 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK8

Tot Ion:180 Resp: 3570
 Ion Ratio Lower Upper
 180 100
 182 89.5 76.5 114.7
 145 24.6 25.0 37.4#



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

