

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 14:47:56 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

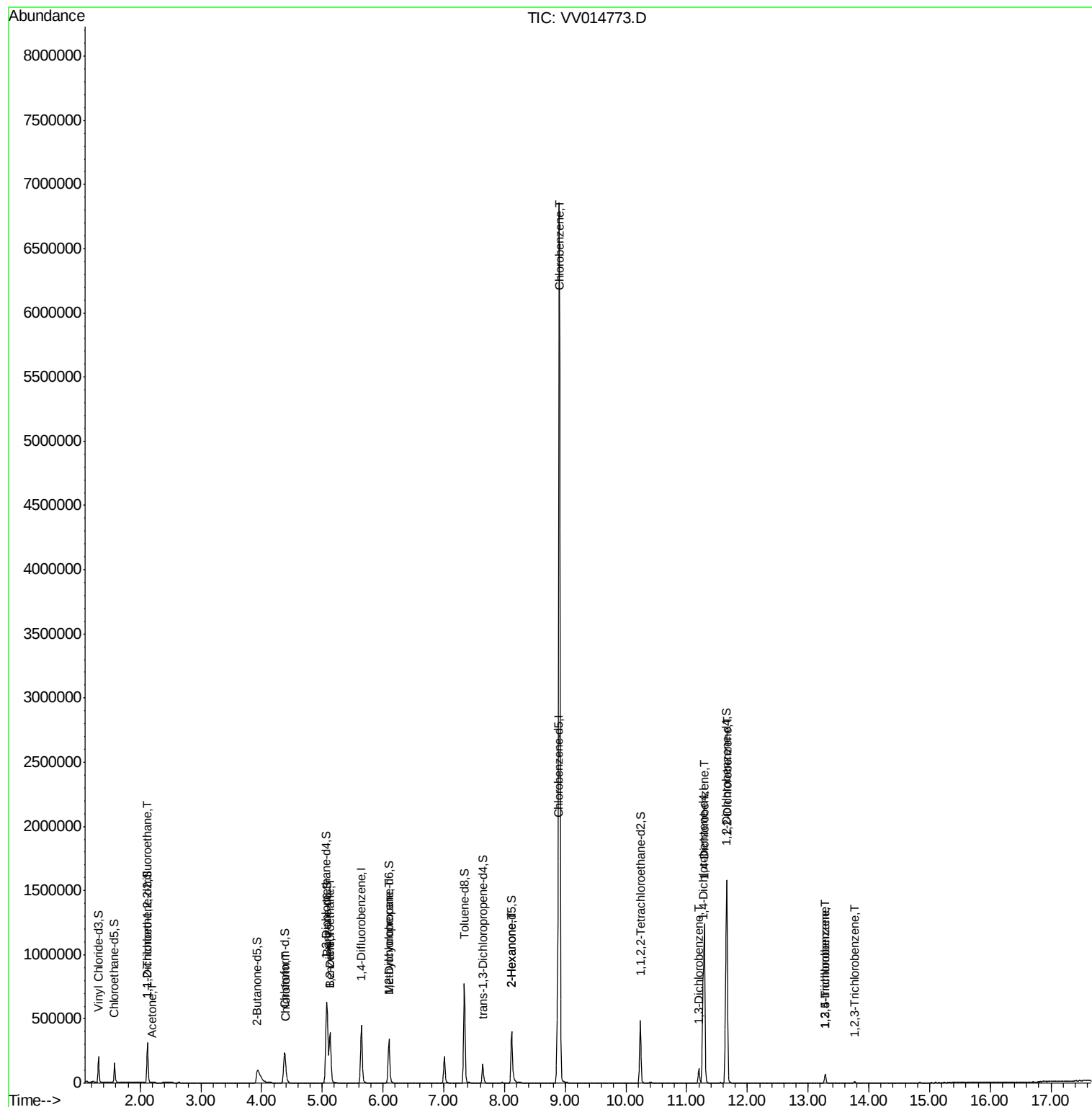
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1685	0.78	ug/L #	18
13) Acetone	2.21	43	4220	2.58	ug/L	55
25) Chloroform	4.41	83	30641	5.81	ug/L	96
27) 1,2-Dichloroethane	5.13	62	3026	0.74	ug/L #	75
33) Benzene	5.13	78	393131	34.79	ug/L	100
35) Methylcyclohexane	6.10	83	39817	8.17	ug/L #	19
48) 2-Hexanone	8.12	43	17596	5.06	ug/L #	74
51) Chlorobenzene	8.90	112	3537811	441.11	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	46973	7.39	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	472949	73.83	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	560371	88.53	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	20157	4.10	ug/L	90
68) 1,2,4-trichlorobenzene	13.28	180	20157	4.46	ug/L	89
70) 1,2,3-Trichlorobenzene	13.77	180	3570	0.79	ug/L #	92

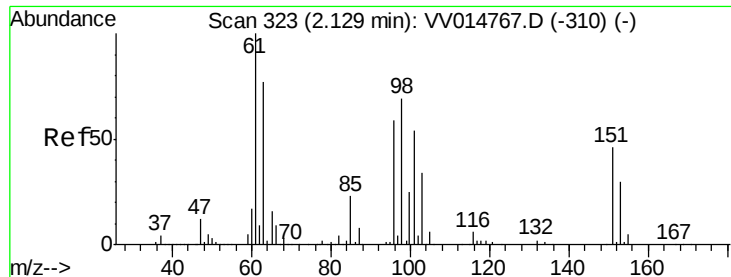
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 10 14:44:37 2020
Response via : Initial Calibration





#10

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

Concen: 0.78 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

Instrument :

MSVOA_V

ClientSampleId :

C0DK8

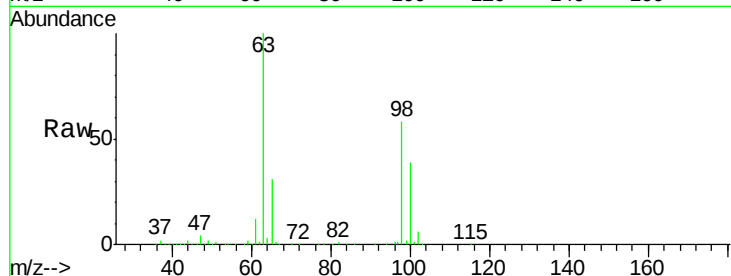
Tgt Ion: 101 Resp: 1685

Ion Ratio Lower Upper

101 100

85 4.2 35.0 52.6#

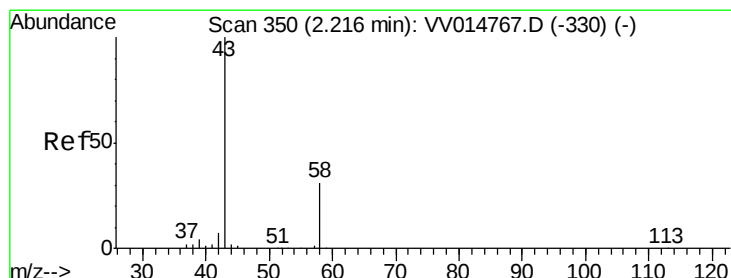
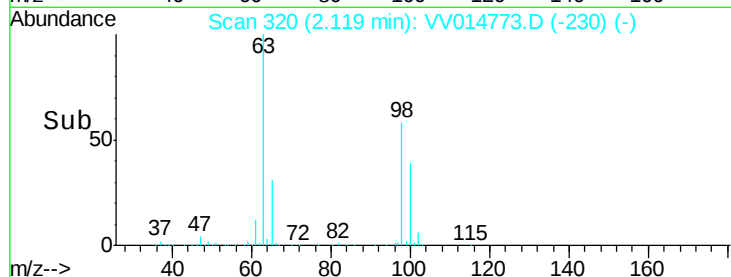
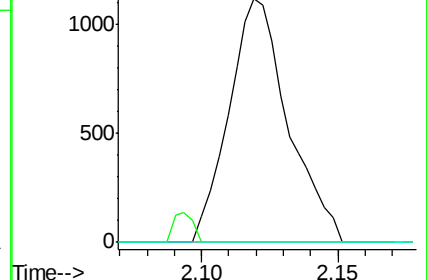
151 0.0 66.4 99.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 2.58 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV014773.D

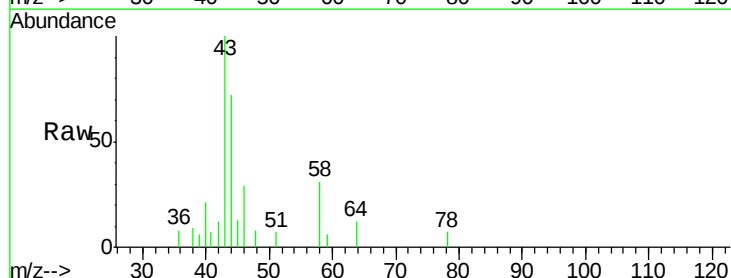
Acq: 09 Mar 2020 13:50

Tgt Ion: 43 Resp: 4220

Ion Ratio Lower Upper

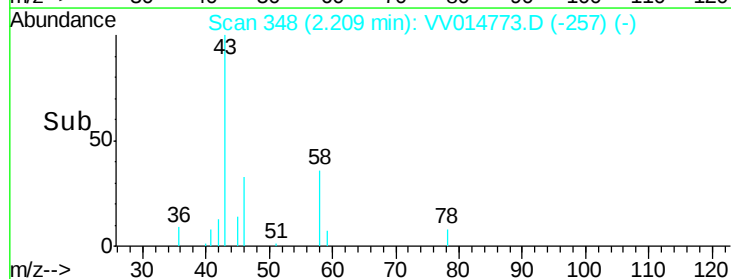
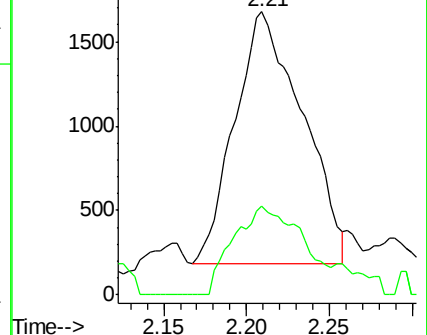
43 100

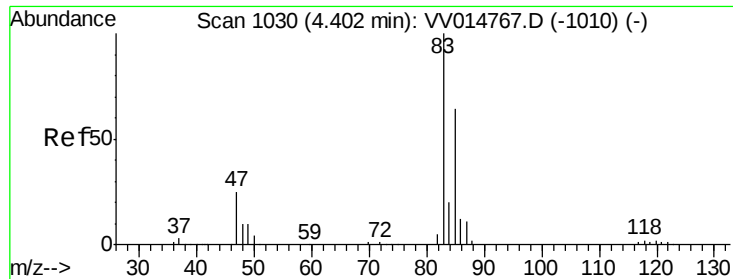
58 6.3 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

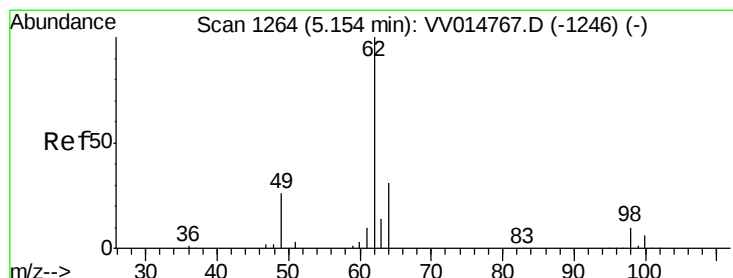
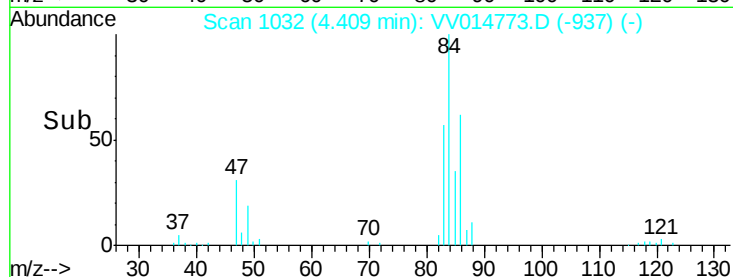
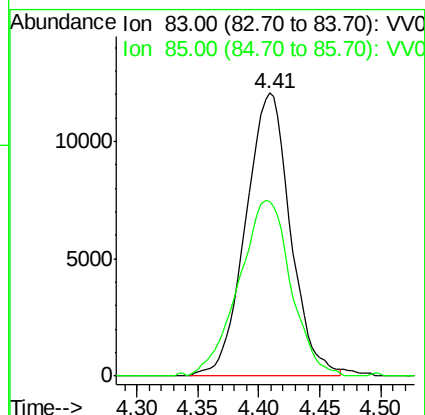
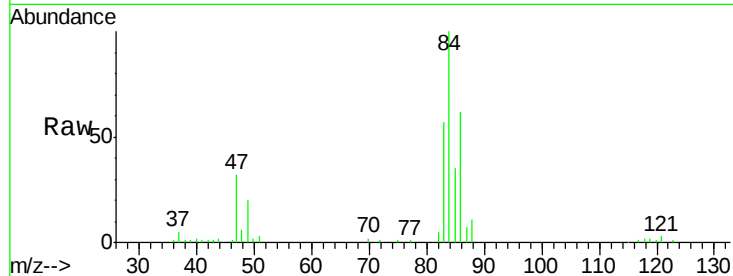




#25
 Chloroform
 Concen: 5.81 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

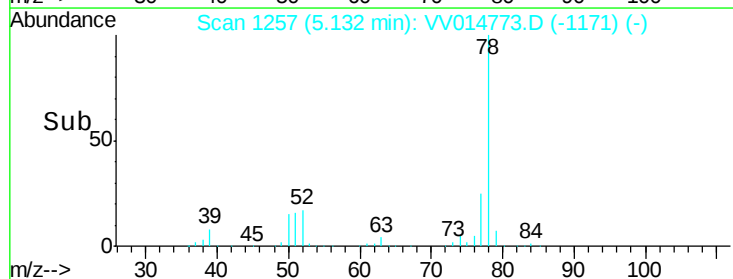
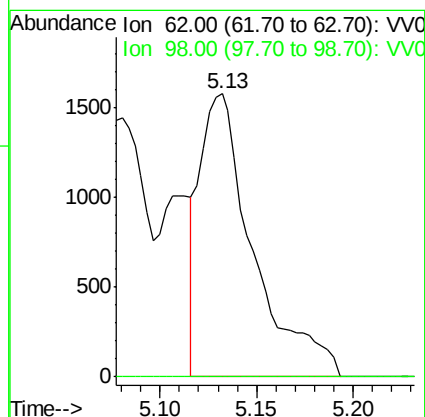
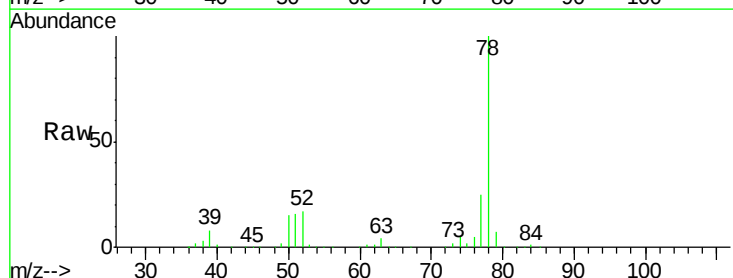
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK8

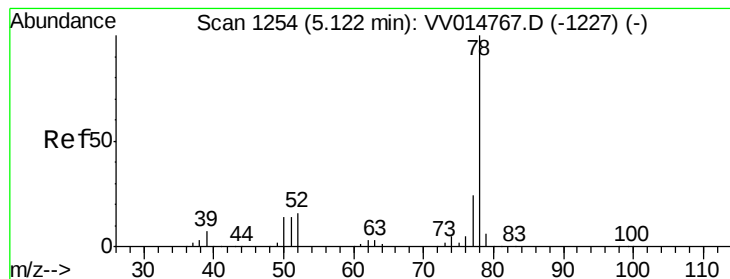
Tgt Ion: 83 Resp: 30641
 Ion Ratio Lower Upper
 83 100
 85 61.7 45.1 83.9



#27
 1,2-Dichloroethane
 Concen: 0.74 ug/L
 RT: 5.13 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

Tgt Ion: 62 Resp: 3026
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#





#33

Benzene

Concen: 34.79 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

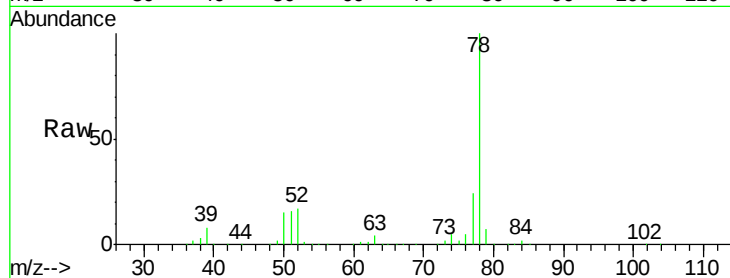
Instrument :

MSVOA_V

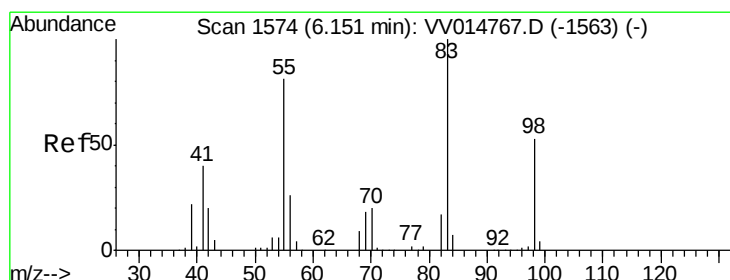
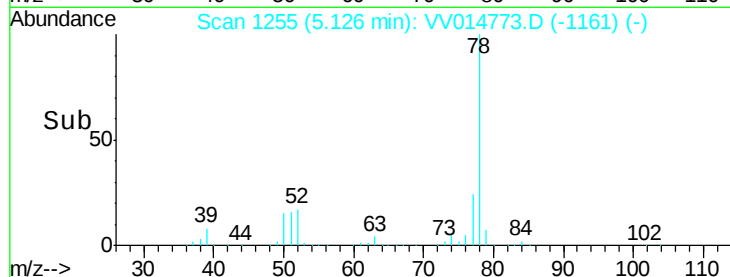
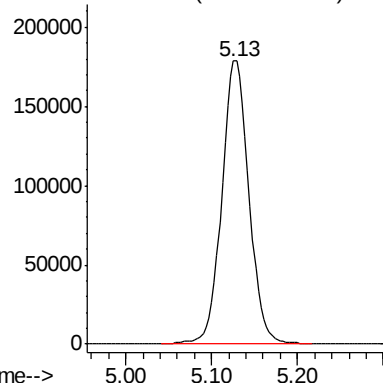
ClientSampleId :

C0DK8

Tgt Ion: 78 Resp: 393131



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Methylcyclohexane

Concen: 8.17 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.05 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

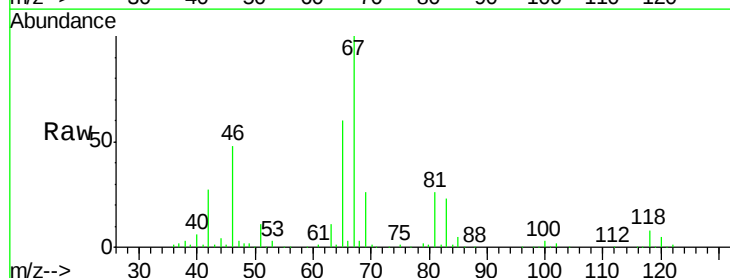
Tgt Ion: 83 Resp: 39817

Ion Ratio Lower Upper

83 100

55 1.3 63.4 95.2#

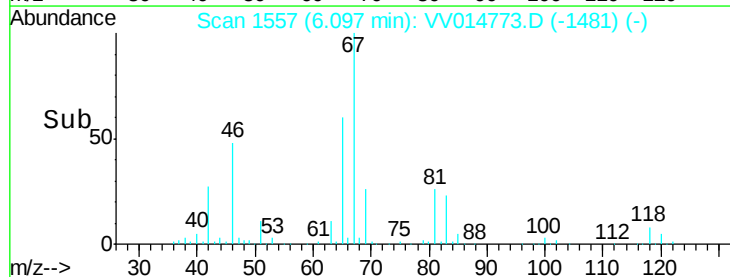
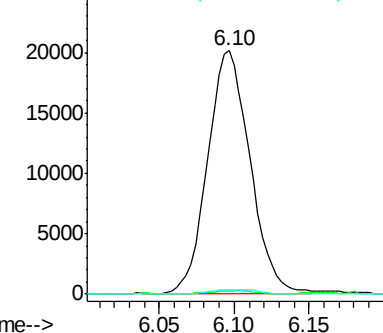
98 0.9 36.8 55.2#

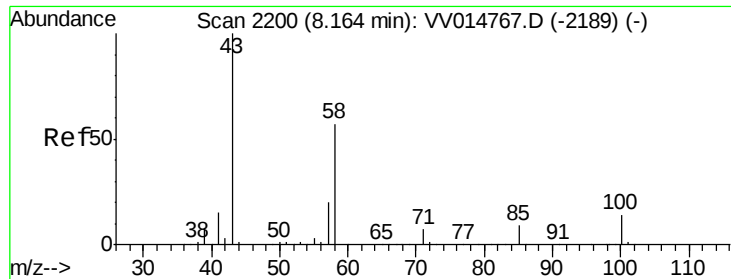


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

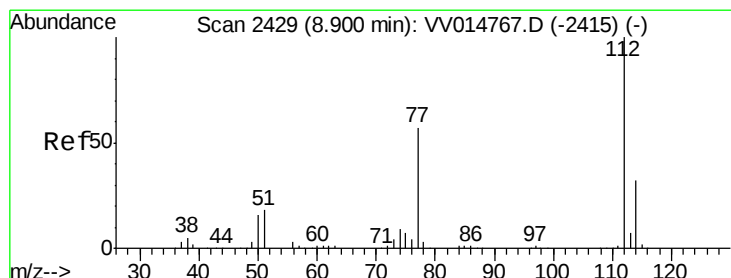
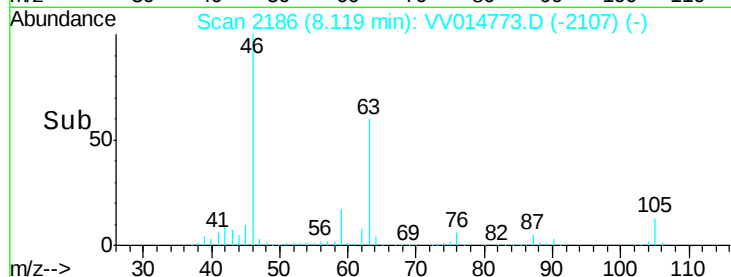
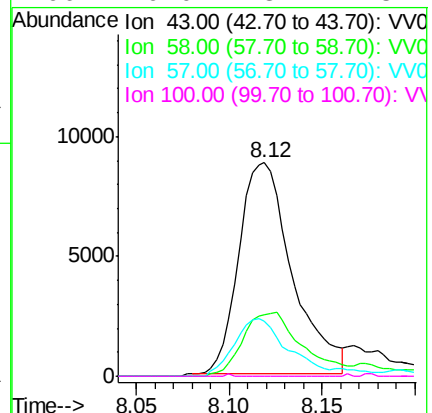
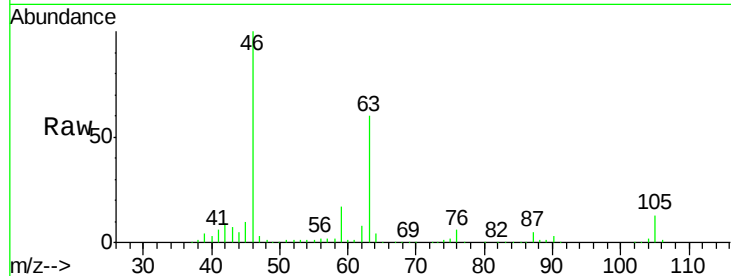




#48
2-Hexanone
Concen: 5.06 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.04 min
Lab File: VV014773.D
Acq: 09 Mar 2020 13:50

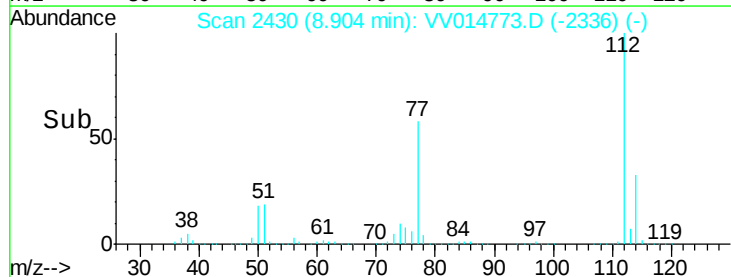
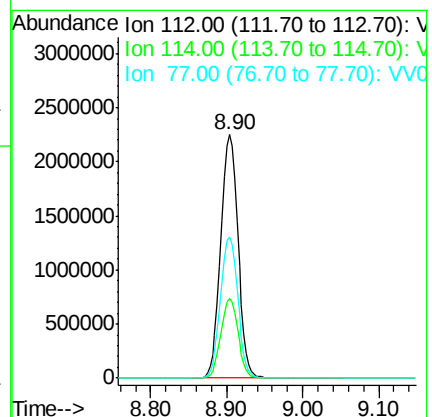
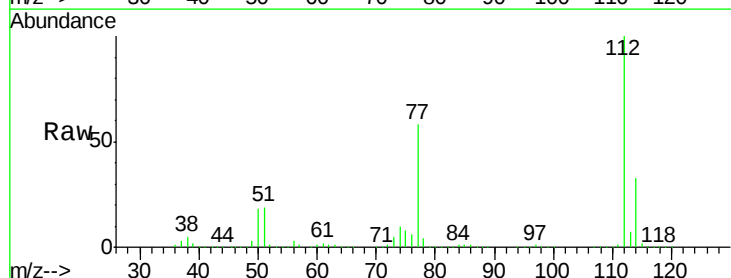
Instrument :
MSVOA_V
ClientSampled :
C0DK8

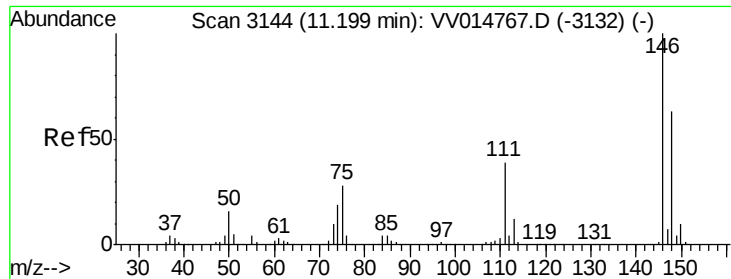
Tgt Ion: 43 Resp: 17596
Ion Ratio Lower Upper
43 100
58 33.7 43.3 64.9#
57 27.1 15.6 23.4#
100 0.0 8.7 13.1#



#51
Chlorobenzene
Concen: 441.11 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





#62

1,3-Dichlorobenzene

Concen: 7.39 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

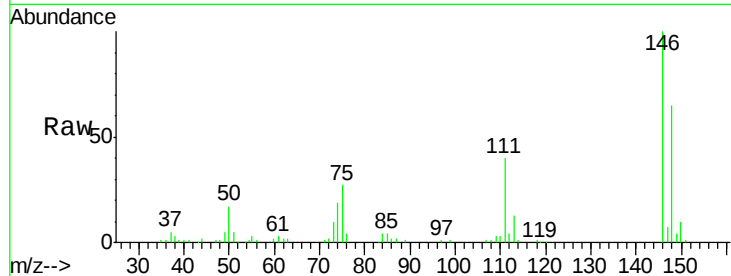
Tgt Ion:146 Resp: 46973

Ion Ratio Lower Upper

146 100

111 40.2 27.2 50.4

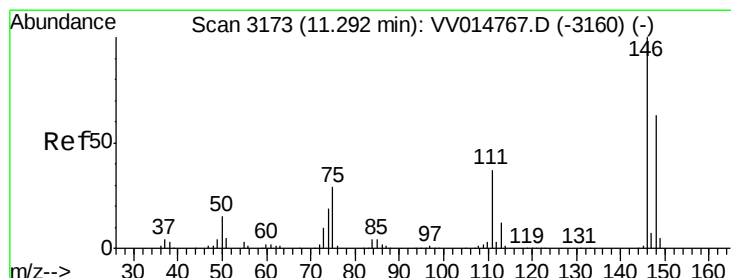
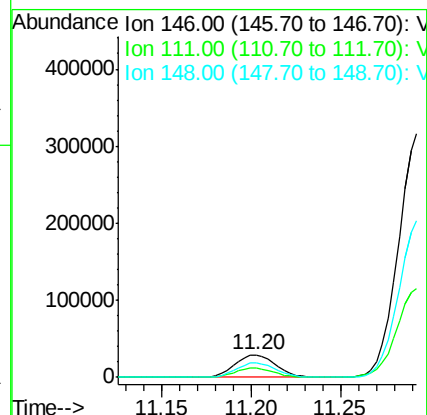
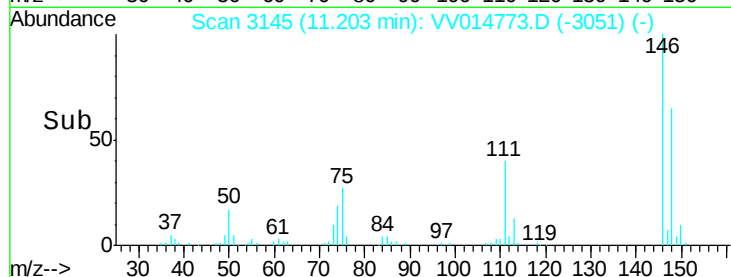
148 64.8 44.2 82.2



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: 73.83 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014773.D

Acq: 09 Mar 2020 13:50

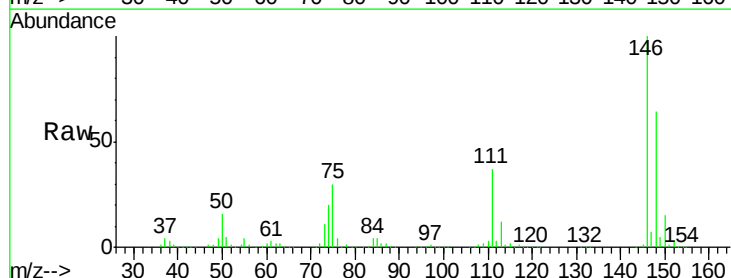
Tgt Ion:146 Resp: 472949

Ion Ratio Lower Upper

146 100

111 36.6 26.3 48.9

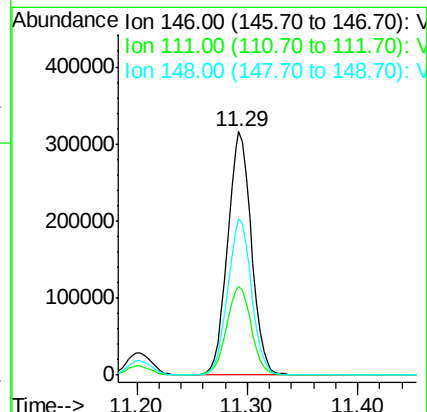
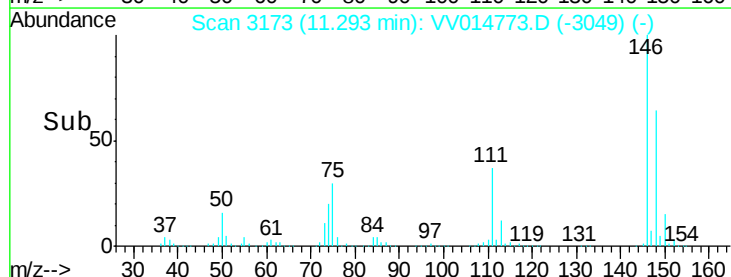
148 64.4 44.0 81.8

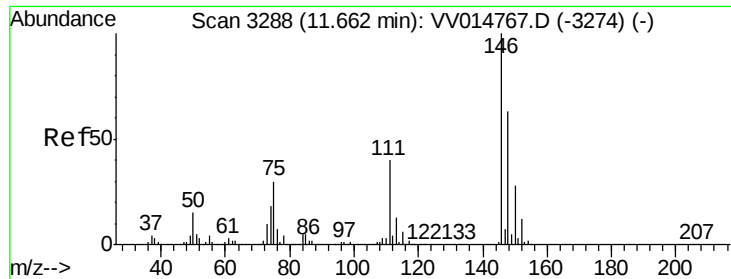


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

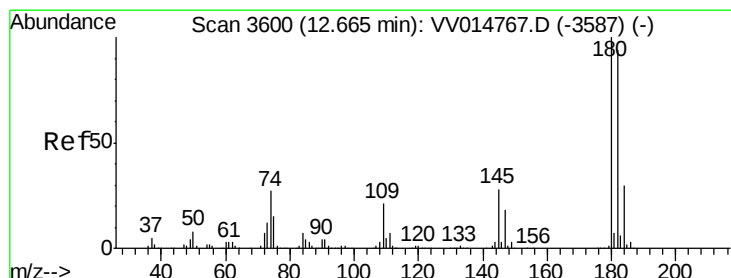
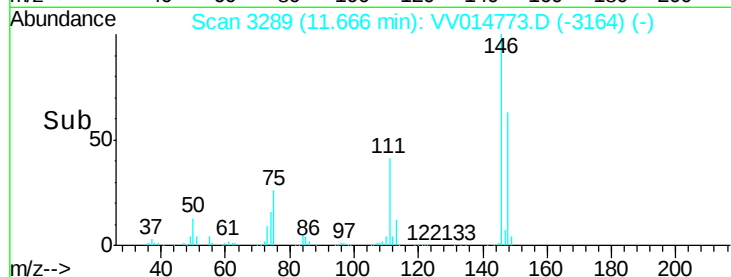
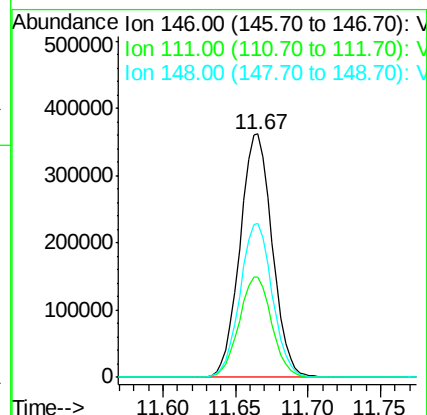
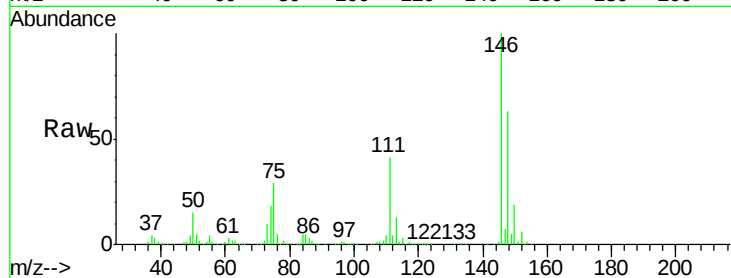




#65
 1,2-Dichlorobenzene
 Concen: 88.53 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

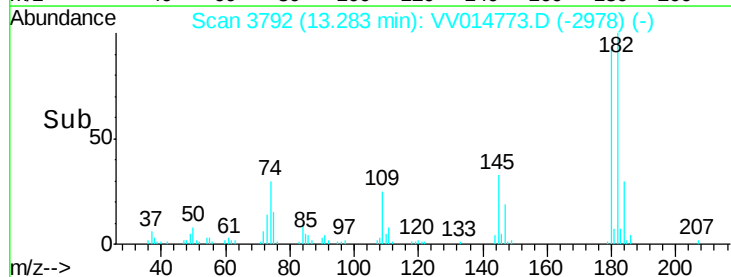
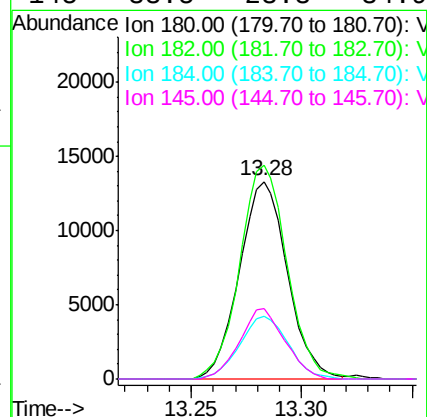
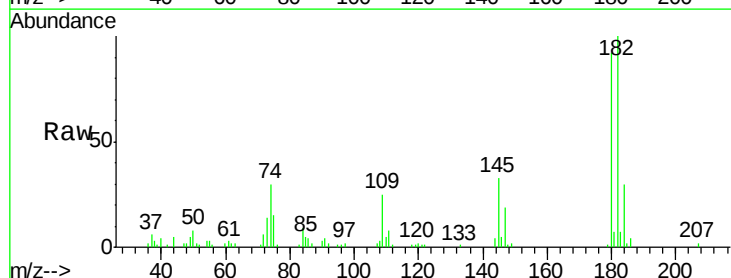
Instrument :
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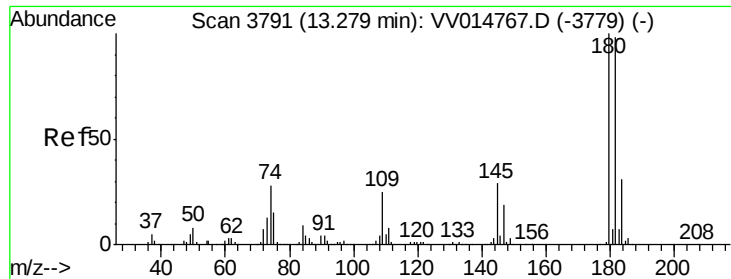
Tgt Ion:146 Resp: 560371
 Ion Ratio Lower Upper
 146 100
 111 41.0 33.9 50.9
 148 63.4 51.4 77.0



#67
 1,3,5-Trichlorobenzene
 Concen: 4.10 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 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 75.6 113.4
 184 32.3 24.8 37.2
 145 33.5 23.3 34.9

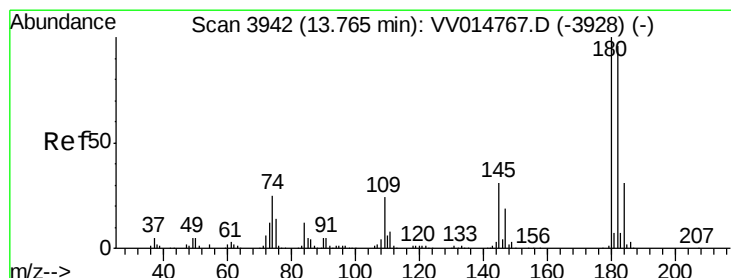
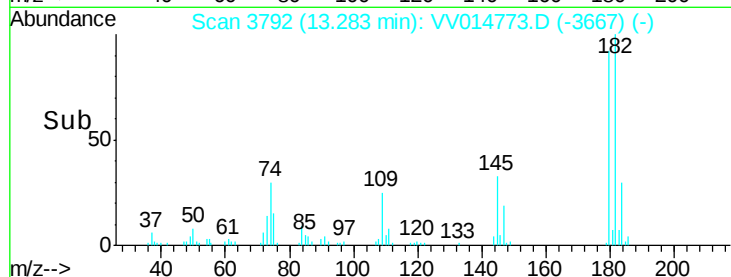
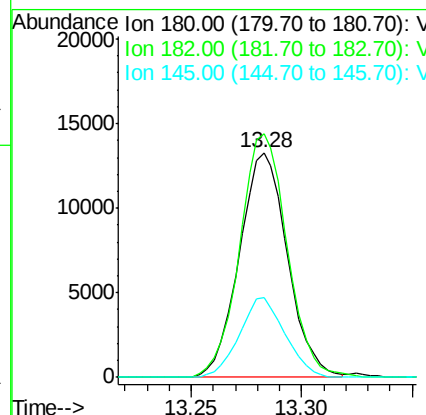
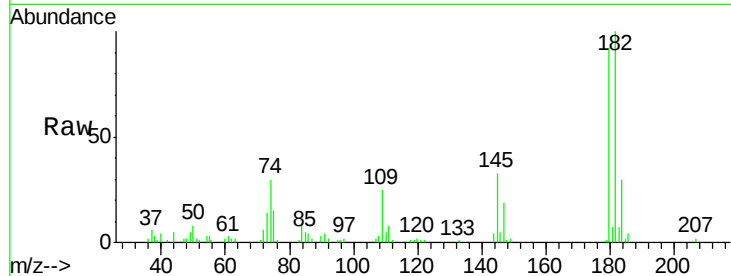




#68
 1,2,4-trichlorobenzene
 Concen: 4.46 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DK8

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: 0.79 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014773.D
 Acq: 09 Mar 2020 13:50

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

