

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014962.D
 Acq On : 16 Mar 2020 21:45
 Operator : SY/MD
 Sample : L1940-17
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC1

Quant Time: Mar 18 03:22:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	359815	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	349862	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	174971	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101545	42.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.72%
7) Chloroethane-d5	1.58	69	80662	45.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.62%
11) 1,1-Dichloroethene-d2	2.12	63	127049	34.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.10%
21) 2-Butanone-d5	3.93	46	114248	78.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.17%
24) Chloroform-d	4.38	84	225313	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.22%
26) 1,2-Dichloroethane-d4	5.06	65	149556	47.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.52%
32) Benzene-d6	5.08	84	459879	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.10	67	138418	48.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.46%
41) Toluene-d8	7.34	98	447618	46.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.92%
43) trans-1,3-Dichloropropene-	7.64	79	60339	39.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.08%
47) 2-Hexanone-d5	8.12	63	121502	93.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.79%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	197242	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	188877	49.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.56%

Target Compounds

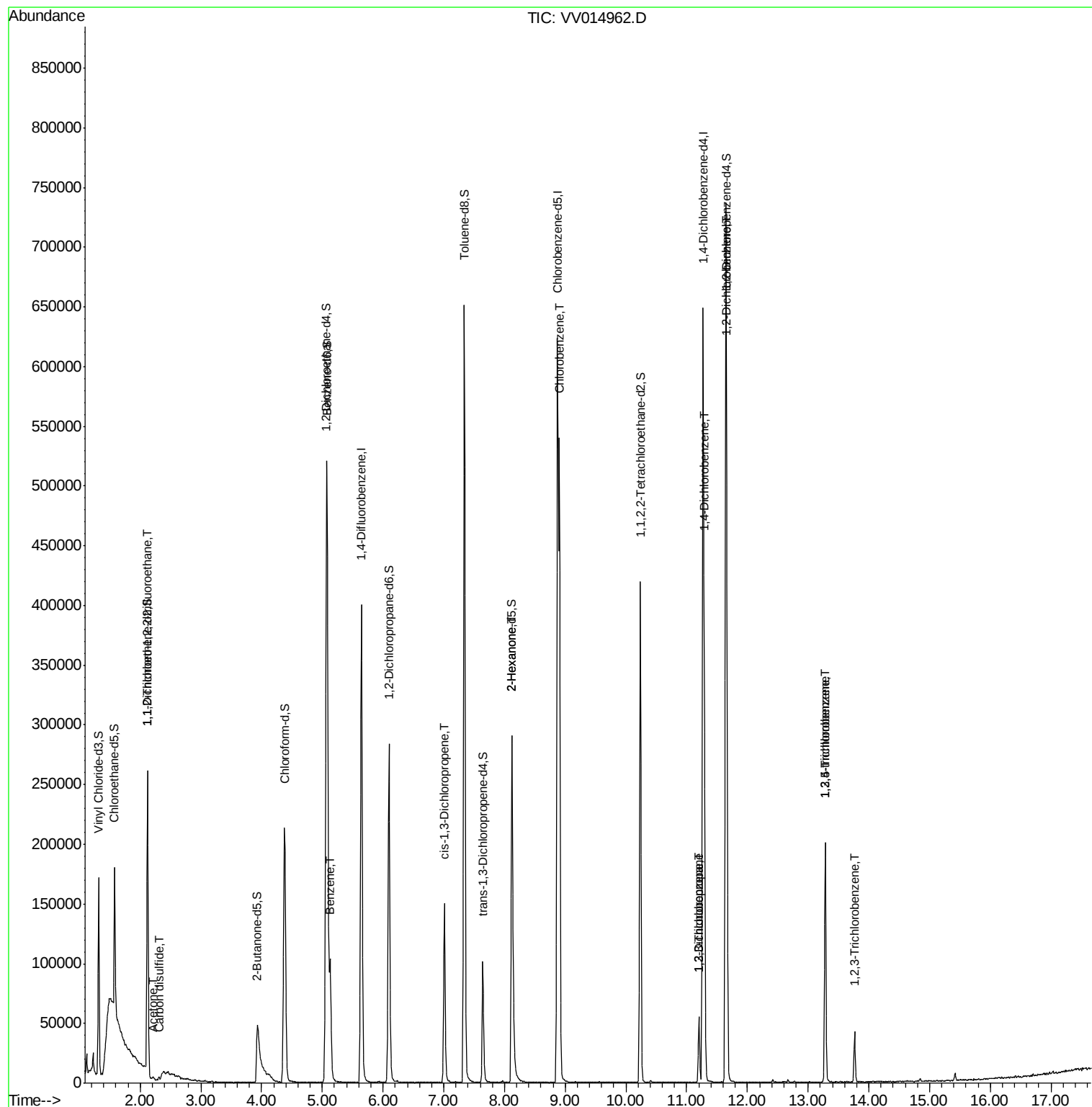
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1411	0.761	ug/L #	16
13) Acetone	2.20	43	2979	2.063	ug/L	59
14) Carbon disulfide	2.31	76	3570	0.643	ug/L	99
33) Benzene	5.13	78	98154	10.310	ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	3425	0.873	ug/L #	55
48) 2-Hexanone	8.12	43	13277	5.209	ug/L #	74
51) Chlorobenzene	8.90	112	288632	39.126	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	6007	1.836	ug/L #	43
62) 1,3-Dichlorobenzene	11.20	146	24238	4.204	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	114982	19.796	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	99725	17.314	ug/L	99
67) 1,3,5-Trichlorobenzene	13.28	180	66000	14.599	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	66000	16.380	ug/L	98
70) 1,2,3-Trichlorobenzene	13.76	180	13710	3.437	ug/L	98

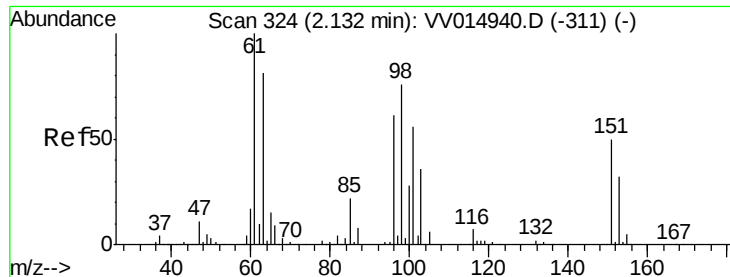
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Mar 18 03:17:46 2020
Response via : Initial Calibration





#10

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

Concen: 0.761 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

Instrument :

MSVOA_V

ClientSampled :

C0DC1

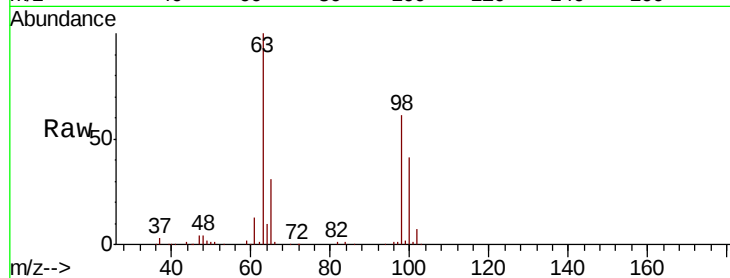
Tot Ion:101 Resp: 1411

Ion Ratio Lower Upper

101 100

85 2.9 33.9 50.9#

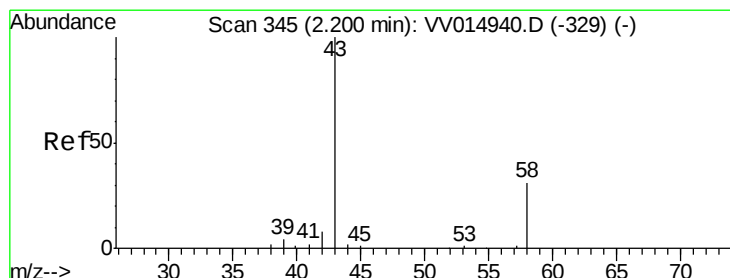
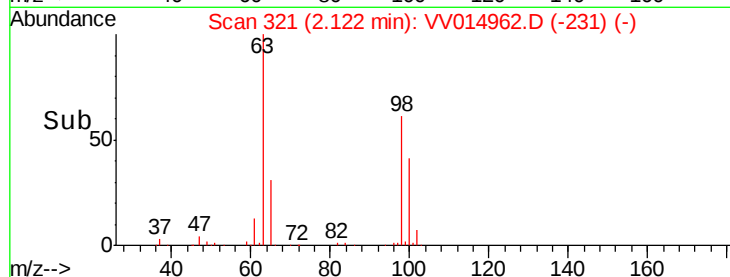
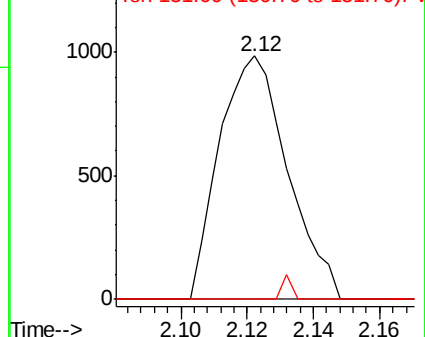
151 0.0 70.1 105.1#



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: 2.063 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV014962.D

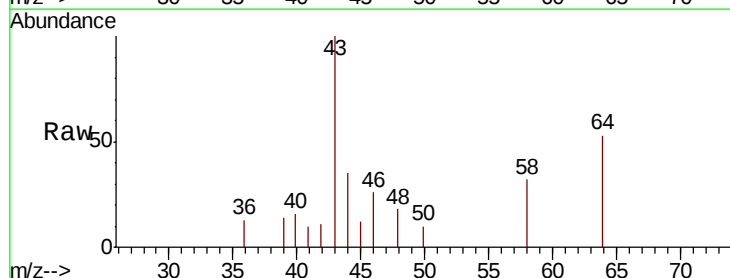
Acq: 16 Mar 2020 21:45

Tgt Ion: 43 Resp: 2979

Ion Ratio Lower Upper

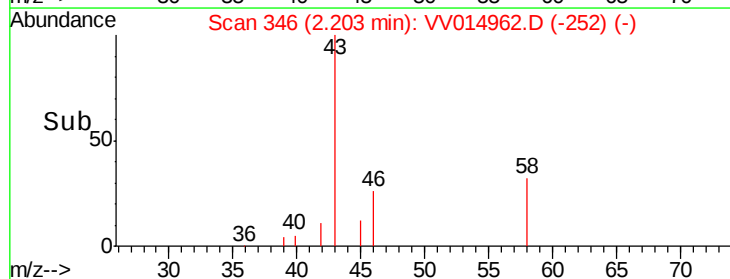
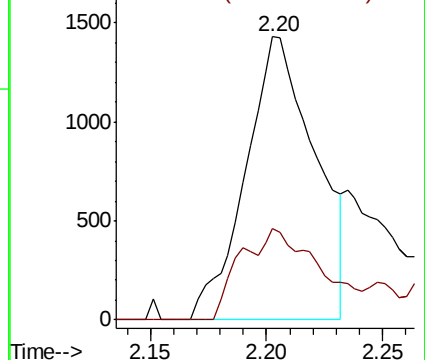
43 100

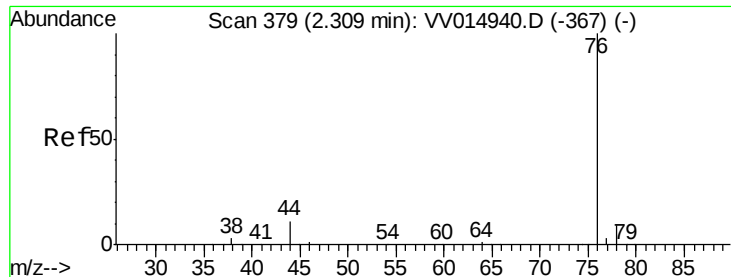
58 4.8 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 0.643 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

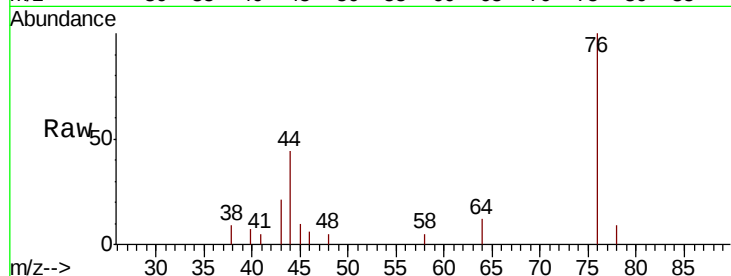
C0DC1

Tot Ion: 76 Resp: 3570

Ion Ratio Lower Upper

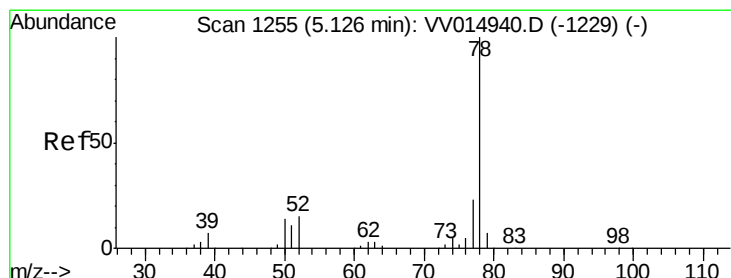
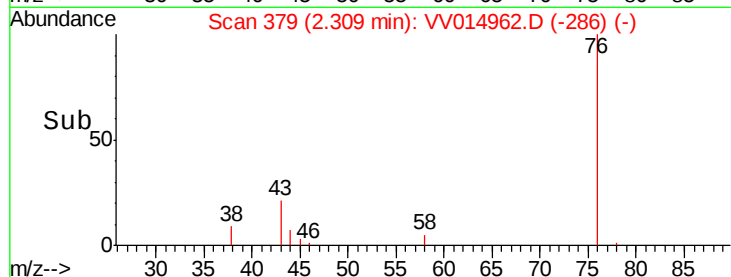
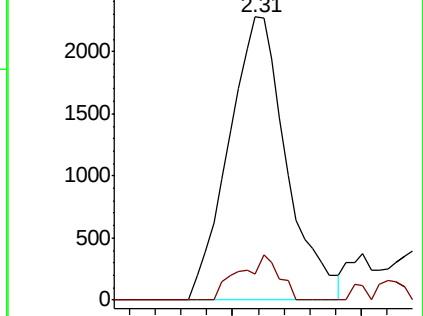
76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0



#33

Benzene

Concen: 10.310 ug/L

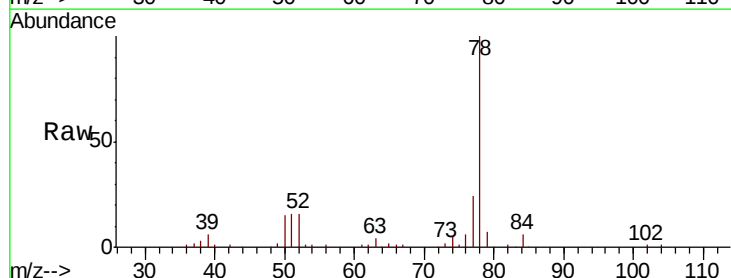
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014962.D

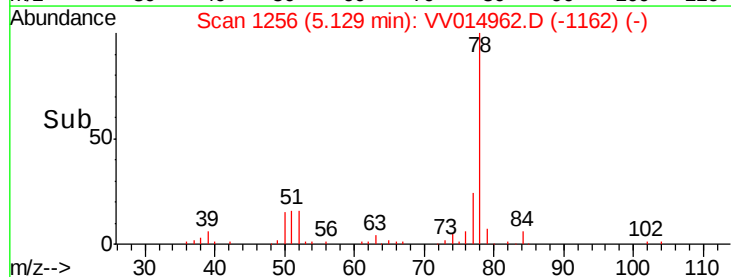
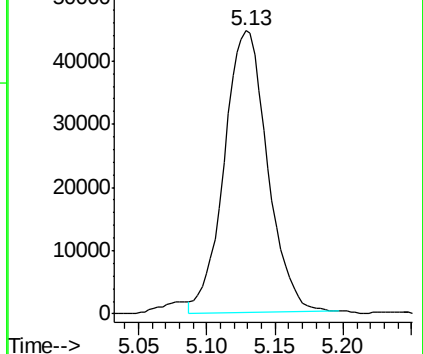
Acq: 16 Mar 2020 21:45

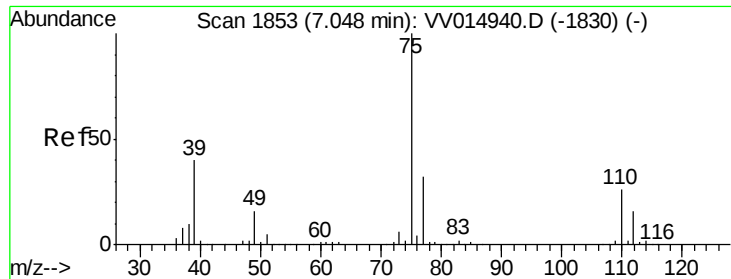
Tgt Ion: 78 Resp: 98154



Abundance Ion 78.00 (77.70 to 78.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

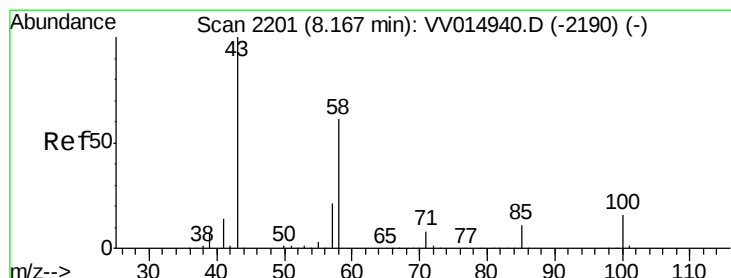
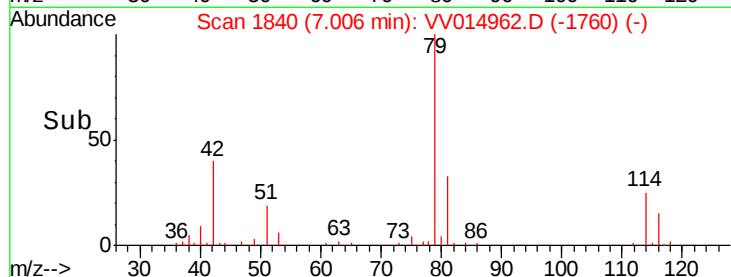
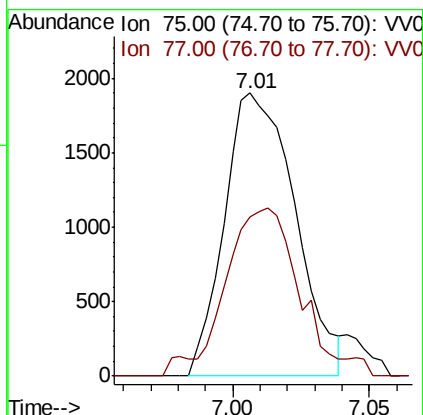
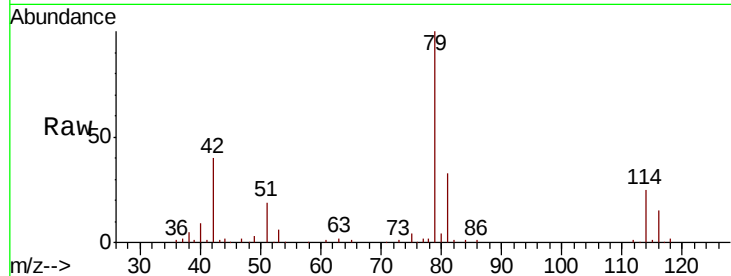




#39
 cis-1,3-Dichloropropene
 Concen: 0.873 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV014962.D
 Acq: 16 Mar 2020 21:45

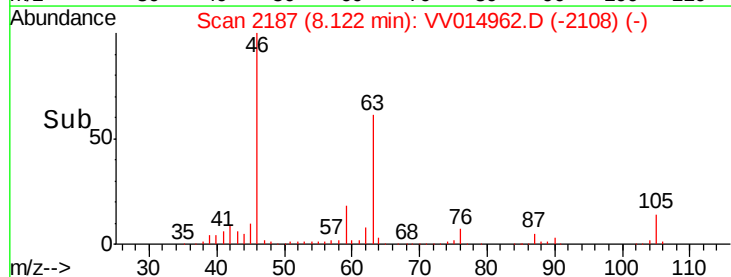
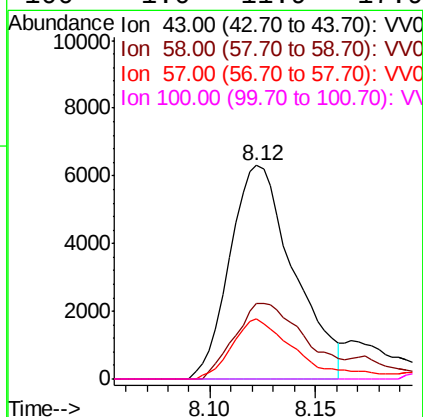
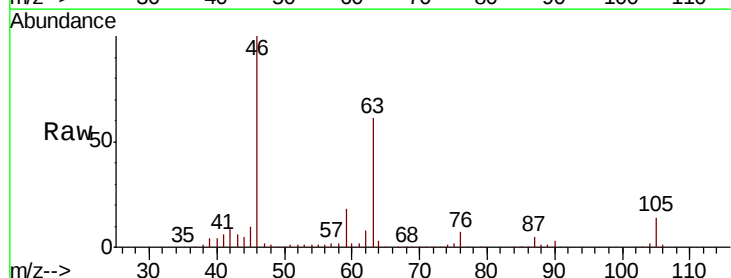
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DC1

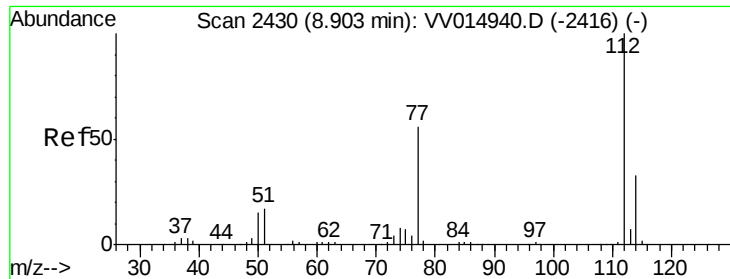
Tot Ion: 75 Resp: 3425
 Ion Ratio Lower Upper
 75 100
 77 56.0 21.8 40.6#



#48
 2-Hexanone
 Concen: 5.209 ug/L
 RT: 8.12 min Scan# 2187
 Delta R.T. -0.05 min
 Lab File: VV014962.D
 Acq: 16 Mar 2020 21:45

Tgt Ion: 43 Resp: 13277
 Ion Ratio Lower Upper
 43 100
 58 39.0 46.9 70.3#
 57 28.4 16.2 24.4#
 100 1.0 11.9 17.9#





#51

Chlorobenzene

Concen: 39.126 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0DC1

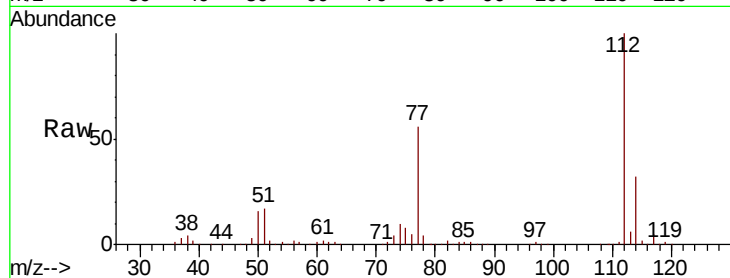
Tot Ion:112 Resp: 288632

Ion Ratio Lower Upper

112 100

114 32.1 22.8 42.4

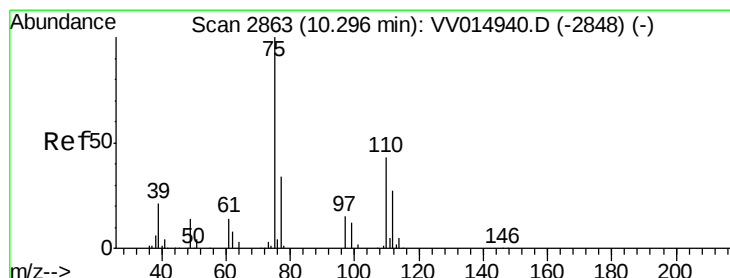
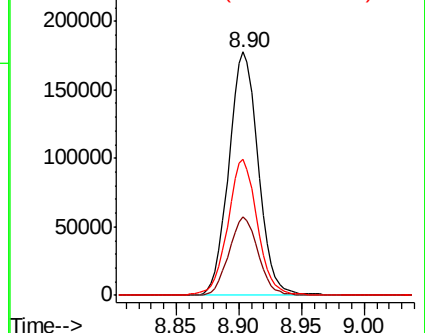
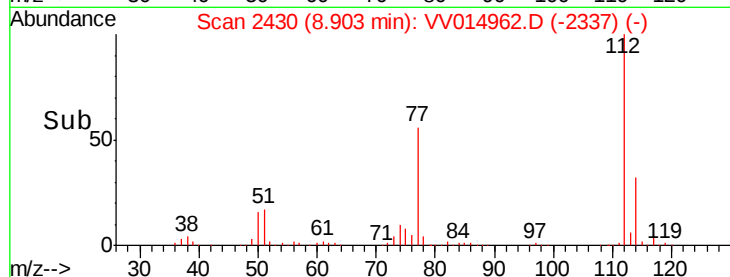
77 56.0 44.5 66.7



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



#59

1,2,3-Trichloropropane

Concen: 1.836 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.91 min

Lab File: VV014962.D

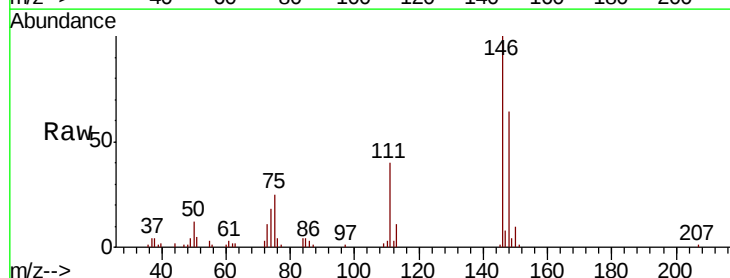
Acq: 16 Mar 2020 21:45

Tgt Ion: 75 Resp: 6007

Ion Ratio Lower Upper

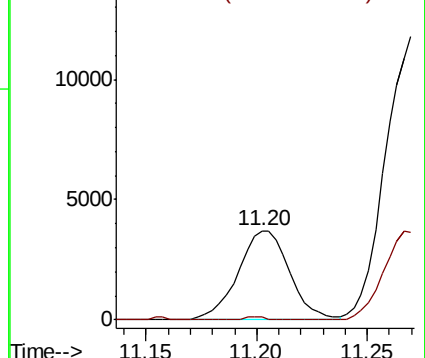
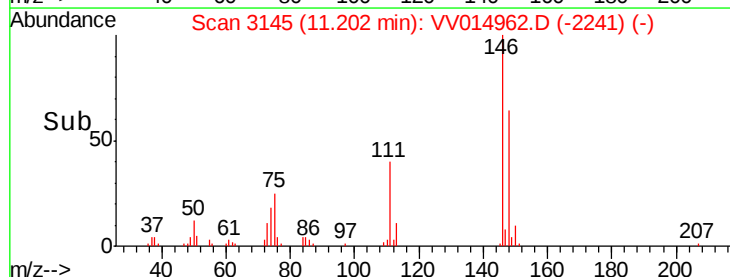
75 100

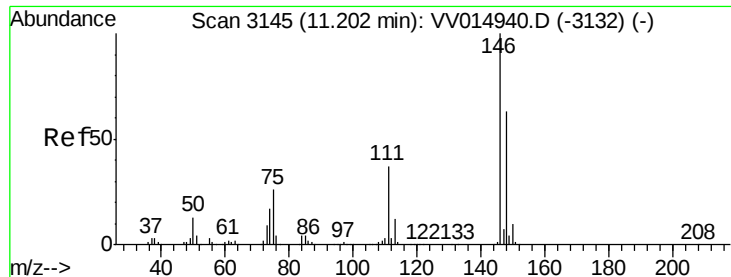
77 1.1 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#62

1,3-Dichlorobenzene

Concen: 4.204 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0DC1

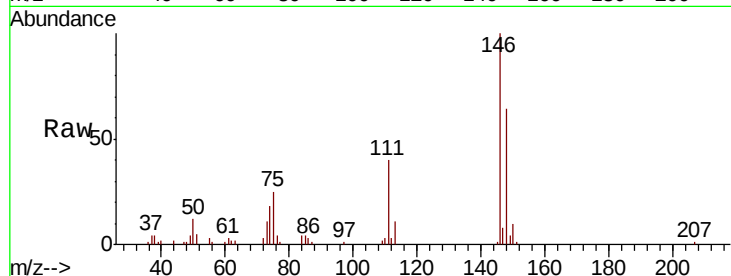
Tot Ion:146 Resp: 24238

Ion Ratio Lower Upper

146 100

111 40.0 26.5 49.3

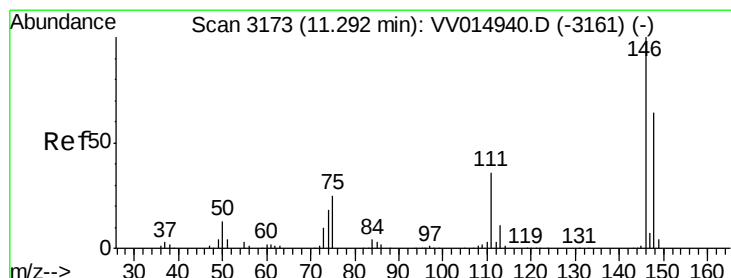
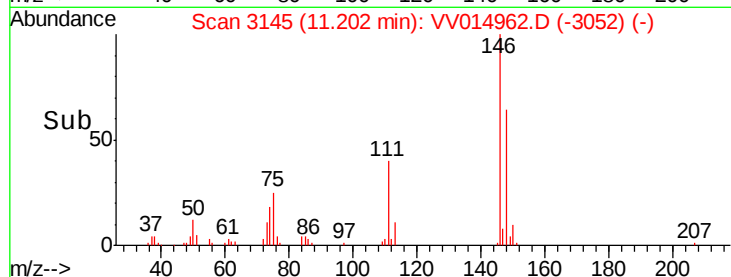
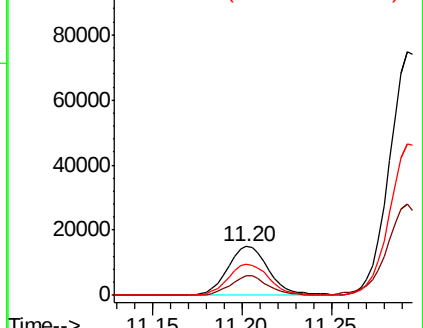
148 63.7 45.4 84.2



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: 19.796 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

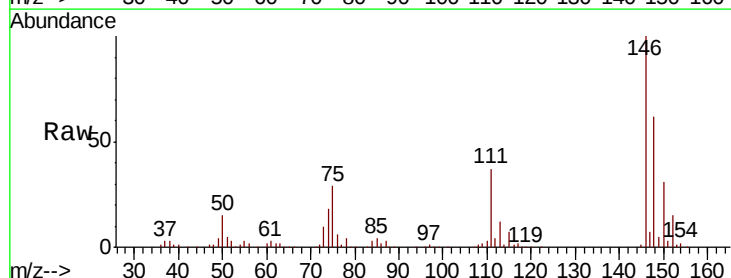
Tgt Ion:146 Resp: 114982

Ion Ratio Lower Upper

146 100

111 37.2 26.0 48.2

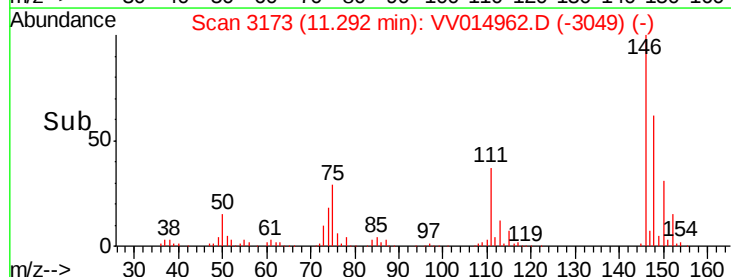
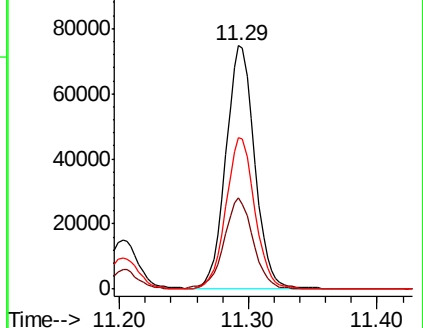
148 62.1 46.1 85.5

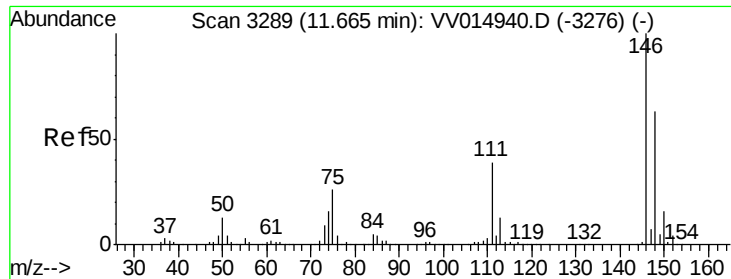


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 17.314 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

Instrument :

MSVOA_V

ClientSampleId :

C0DC1

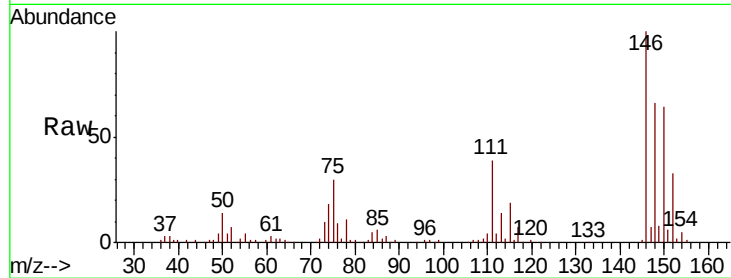
Tot Ion:146 Resp: 99725

Ion Ratio Lower Upper

146 100

111 39.0 31.6 47.4

148 66.5 52.2 78.4

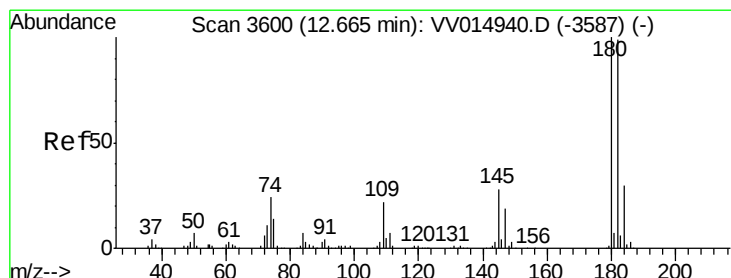
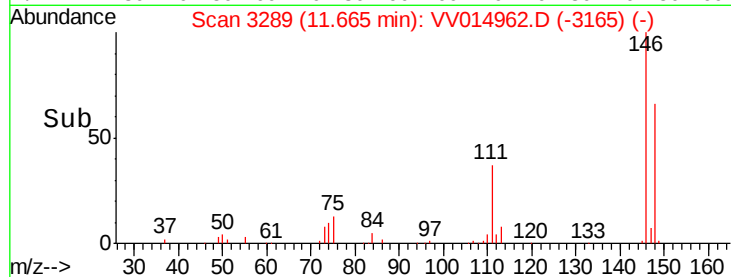
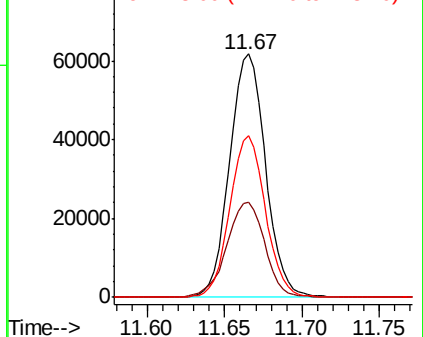


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 14.599 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV014962.D

Acq: 16 Mar 2020 21:45

Tgt Ion:180 Resp: 66000

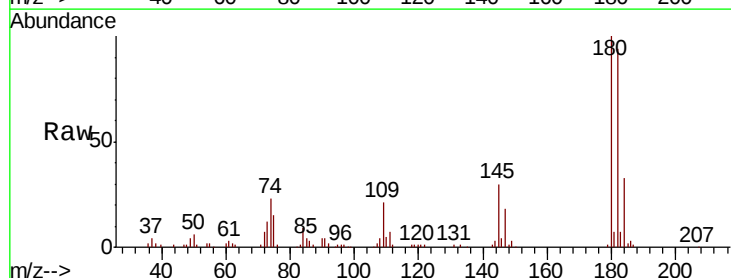
Ion Ratio Lower Upper

180 100

182 93.9 75.7 113.5

184 30.8 24.2 36.4

145 27.8 22.0 33.0



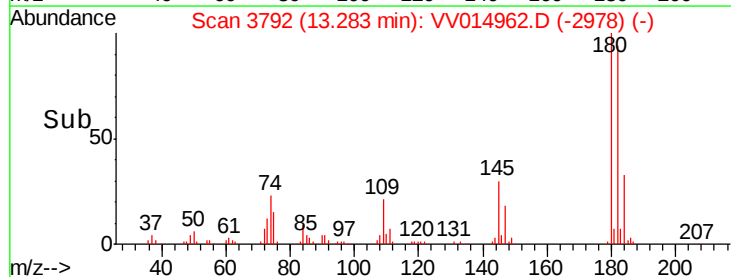
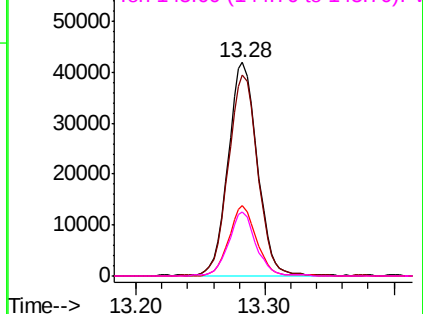
Abundance

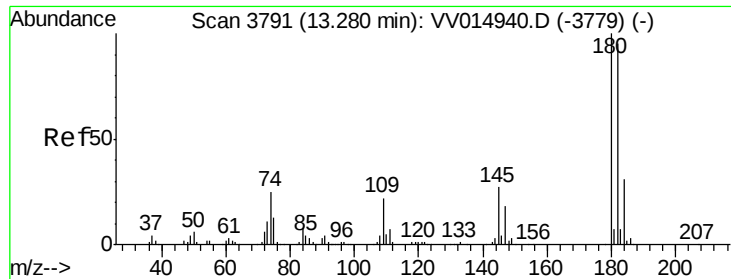
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

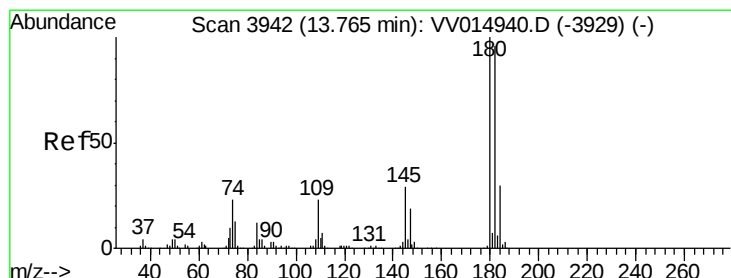
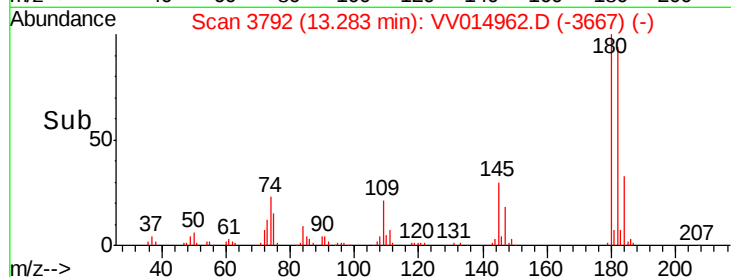
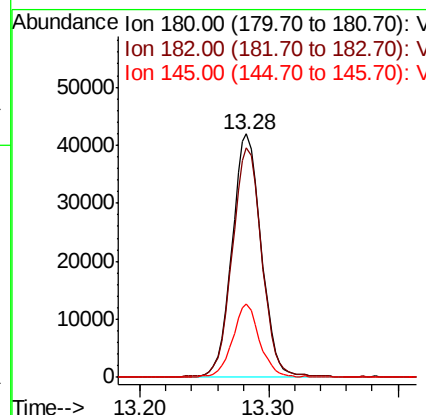
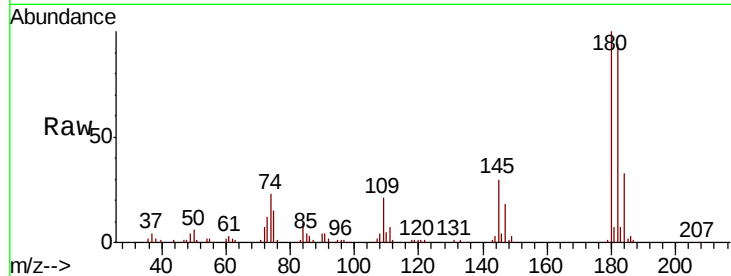




#68
 1,2,4-trichlorobenzene
 Concen: 16.380 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014962.D
 Acq: 16 Mar 2020 21:45

Instrument :
 MSVOA_V
 ClientSampled :
 C0DC1

Tot Ion:180 Resp: 66000
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.3 114.5
 145 27.8 23.1 34.7



#70
 1,2,3-Trichlorobenzene
 Concen: 3.437 ug/L
 RT: 13.76 min Scan# 3942
 Delta R.T. -0.00 min
 Lab File: VV014962.D
 Acq: 16 Mar 2020 21:45

Tgt Ion:180 Resp: 13710
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.2 114.4
 145 30.8 24.1 36.1

