

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018456.D
 Acq On : 25 Sep 2020 15:29
 Operator : SY/MD
 Sample : L4117-02MS
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MS

Quant Time: Sep 25 23:45:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 23:36:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	353430	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	332262	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	171540	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	139649	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.96%
7) Chloroethane-d5	1.58	69	113507	48.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.32%
11) 1,1-Dichloroethene-d2	2.12	63	248386	47.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.02%
21) 2-Butanone-d5	3.92	46	170584	96.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.76%
24) Chloroform-d	4.38	84	234078	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.68%
26) 1,2-Dichloroethane-d4	5.06	65	152685	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.32%
32) Benzene-d6	5.08	84	498104	52.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.74%
36) 1,2-Dichloropropane-d6	6.09	67	156711	51.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.70%
41) Toluene-d8	7.34	98	449035	51.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.60%
43) trans-1,3-Dichloropropene-	7.64	79	78587	51.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.34%
47) 2-Hexanone-d5	8.11	63	109644	95.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	191854	50.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	186856	53.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.08%

Target Compounds

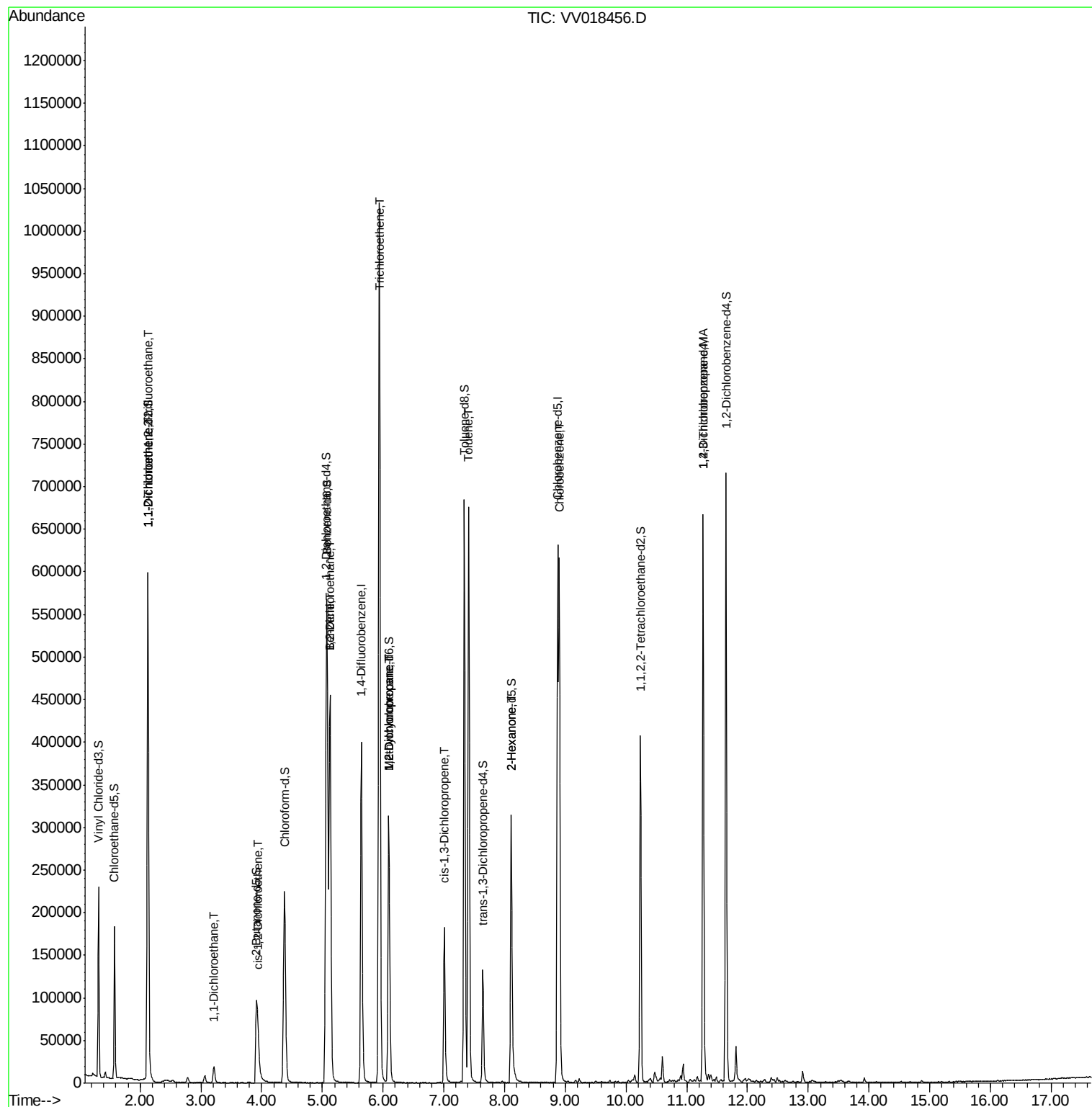
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2218	0.930	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	109652	47.251	ug/L	91
19) 1,1-Dichloroethane	3.22	63	20575	4.550	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10196	3.988	ug/L	94
27) 1,2-Dichloroethane	5.12	62	3852	1.083	ug/L #	74
33) Benzene	5.13	78	466892	49.148	ug/L	100
34) Trichloroethene	5.94	95	364354	140.794	ug/L	99
35) Methylcyclohexane	6.09	83	37739	9.686	ug/L #	18
37) 1,2-Dichloropropane	6.09	63	16483	6.548	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4295	1.107	ug/L #	70
42) Toluene	7.41	91	496794	49.416	ug/L	100
48) 2-Hexanone	8.11	43	12440	5.167	ug/L #	73
51) Chlorobenzene	8.90	112	322344	49.372	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	18658	6.302	ug/L	92

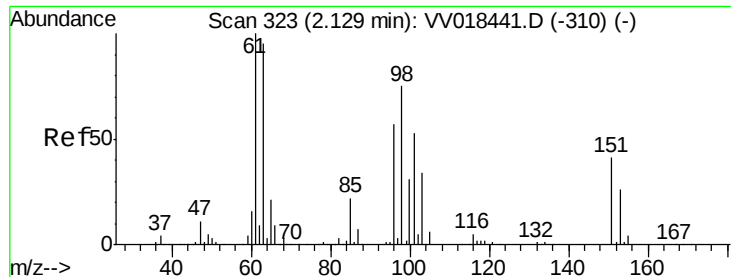
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration





#10

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

Concen: 0.930 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MS

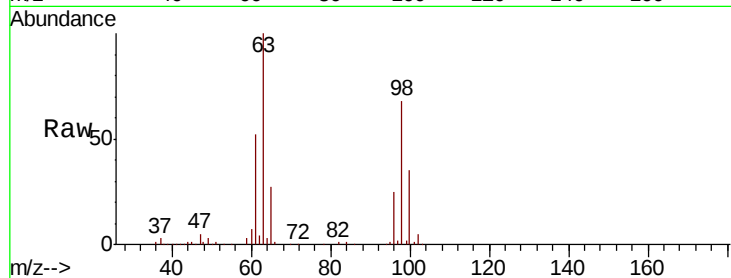
Tot Ion:101 Resp: 2218

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

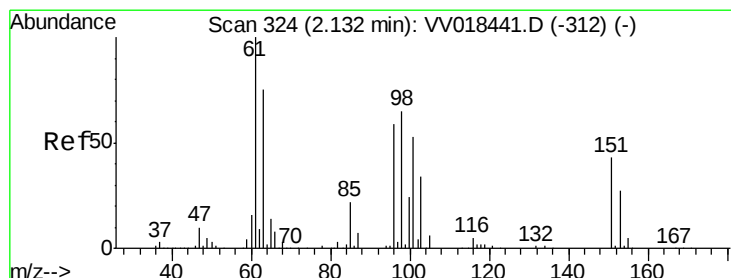
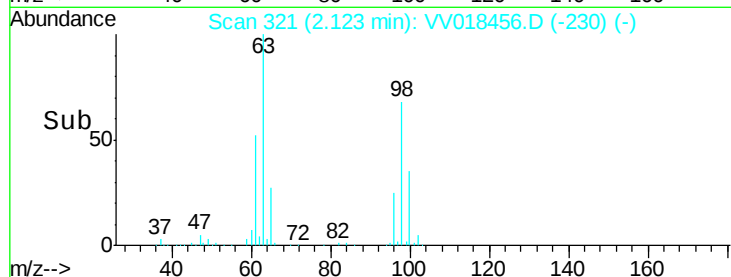
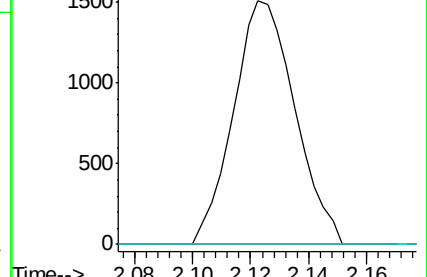
151 0.0 62.2 93.2#



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



#12

1,1-Dichloroethene

Concen: 47.251 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

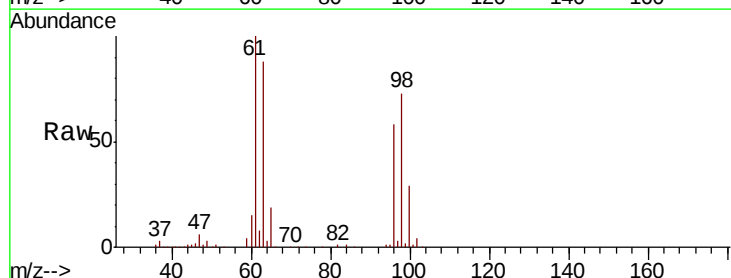
Tgt Ion: 96 Resp: 109652

Ion Ratio Lower Upper

96 100

61 172.6 122.9 228.3

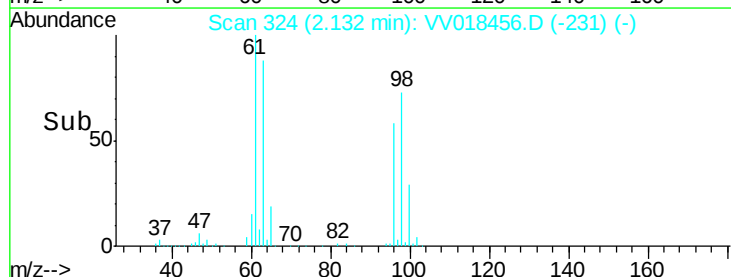
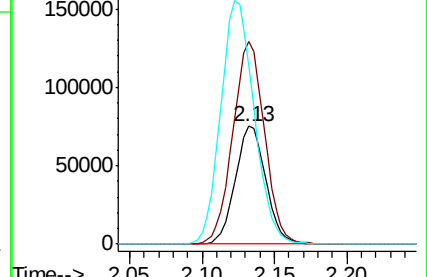
63 151.9 91.9 170.7

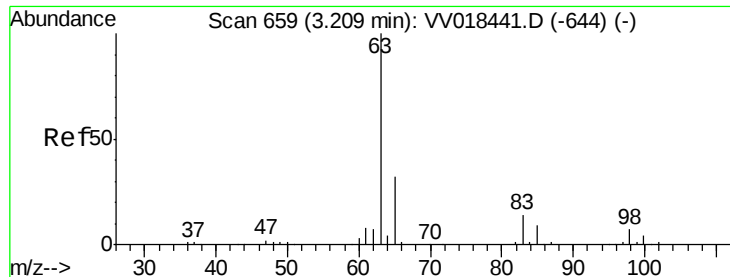


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

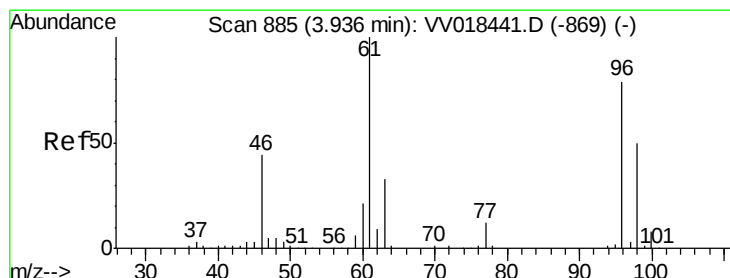
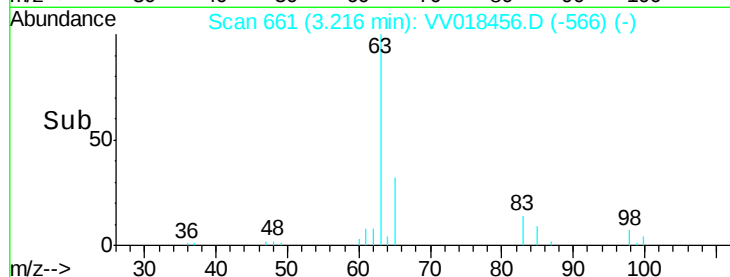
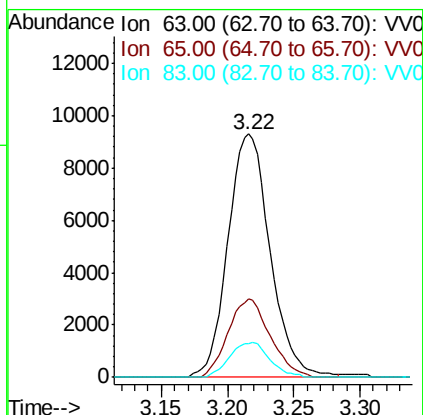
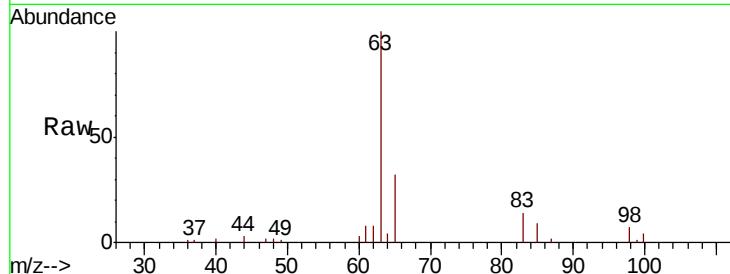




#19
 1,1-Dichloroethane
 Concen: 4.550 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

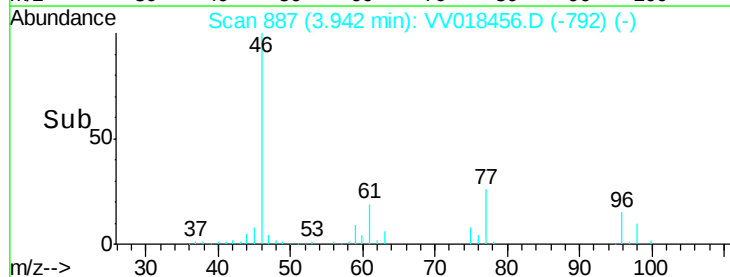
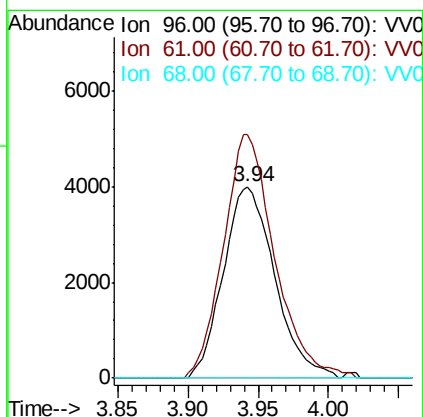
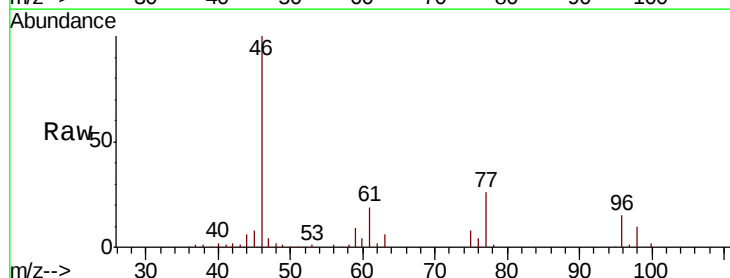
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MS

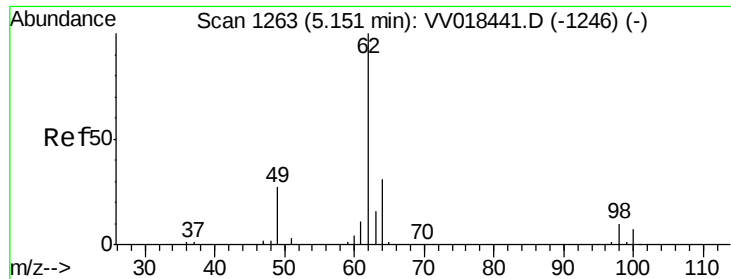
Tot Ion: 63 Resp: 20575
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.5 41.7
 83 14.0 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 3.988 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

Tgt Ion: 96 Resp: 10196
 Ion Ratio Lower Upper
 96 100
 61 127.2 93.6 173.8
 68 0.0 0.0 0.0

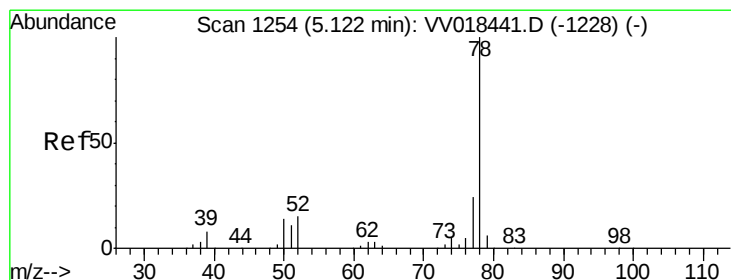
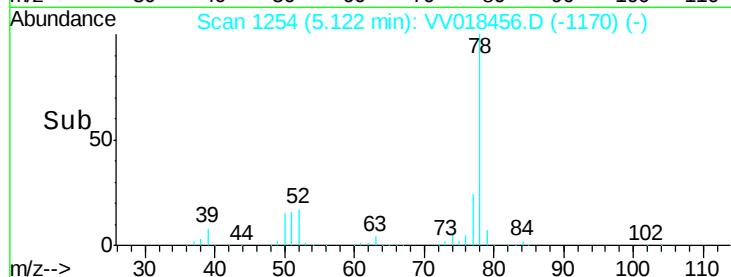
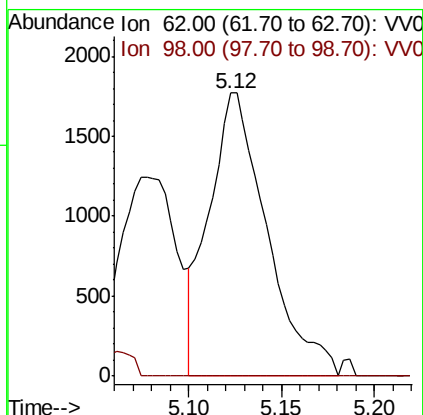
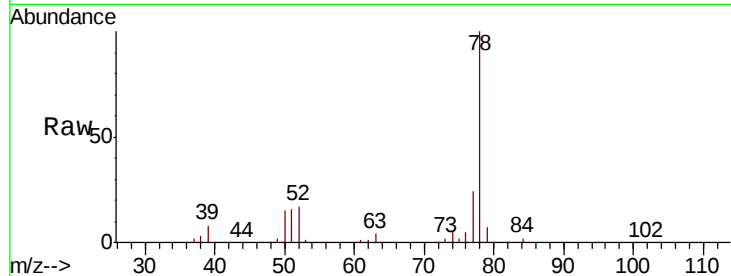




#27
 1,2-Dichloroethane
 Concen: 1.083 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. -0.03 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

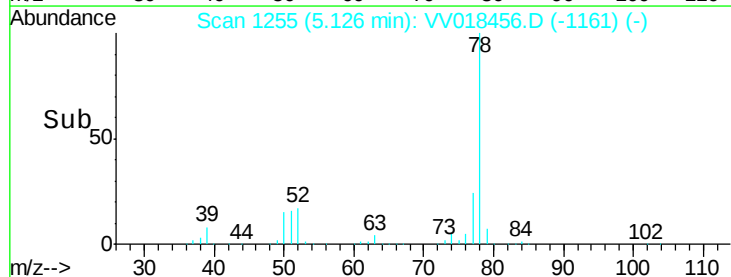
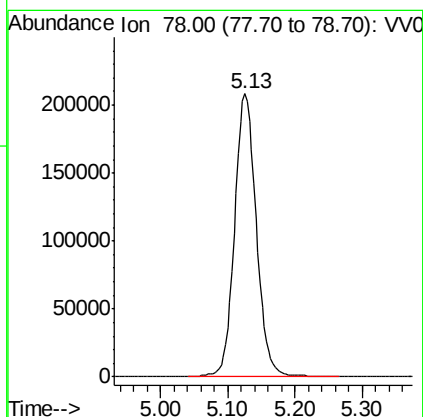
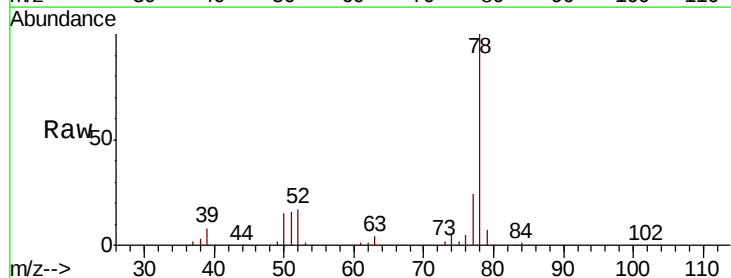
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MS

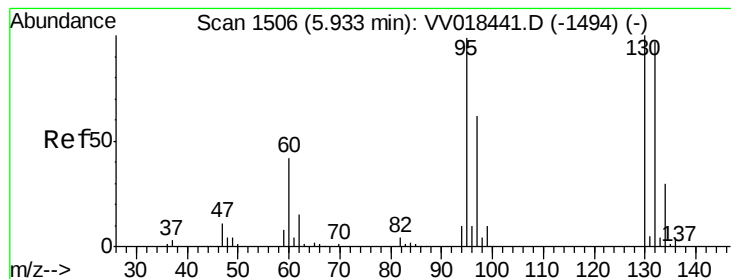
Tot Ion: 62 Resp: 3852
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 49.148 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

Tgt Ion: 78 Resp: 466892





#34

Trichloroethene

Concen: 140.794 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MS

Tot Ion: 95 Resp: 364354

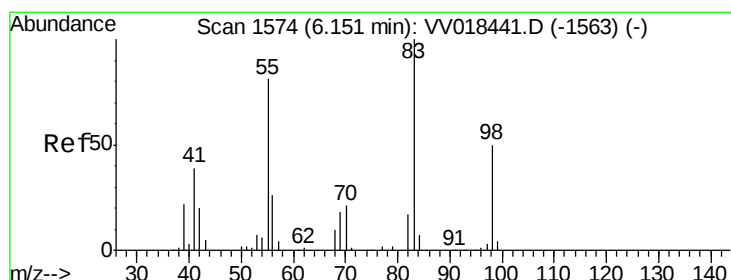
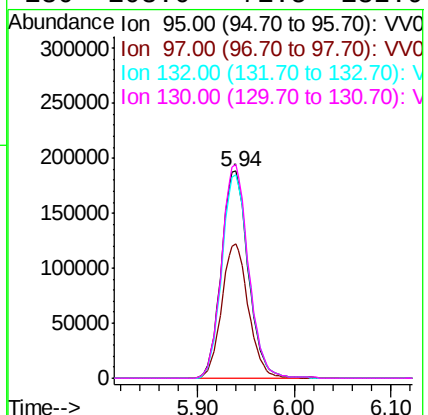
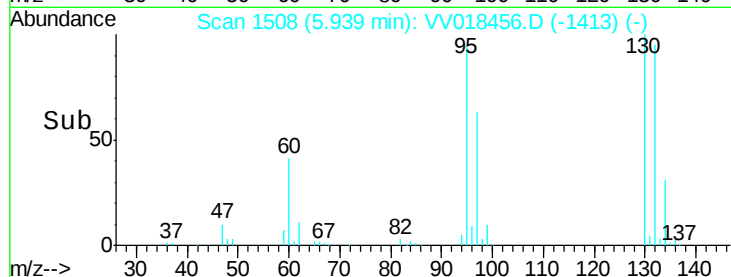
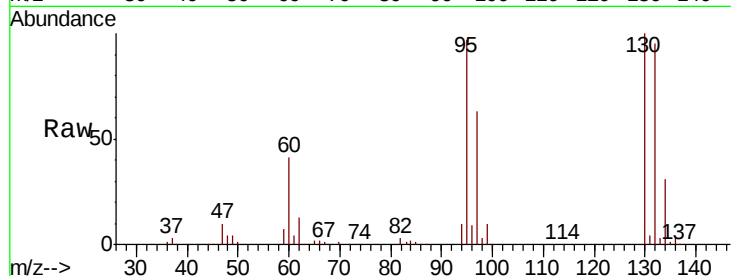
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 98.2 68.1 126.5

130 103.0 71.5 132.9



#35

Methylcyclohexane

Concen: 9.686 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

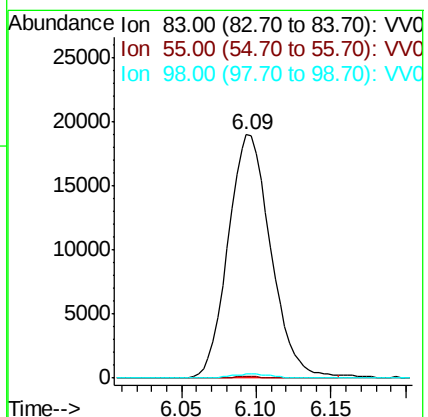
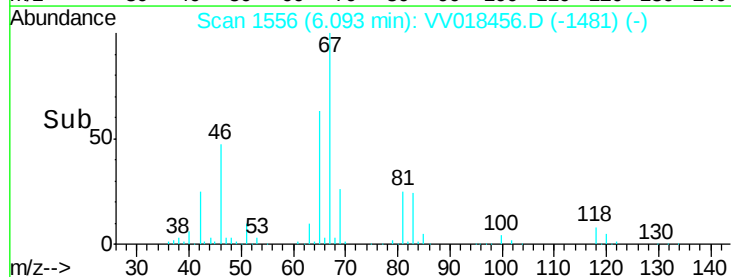
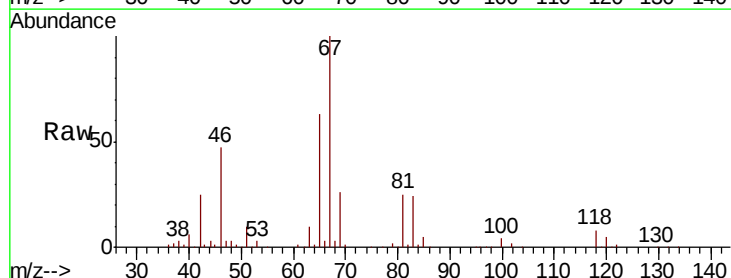
Tgt Ion: 83 Resp: 37739

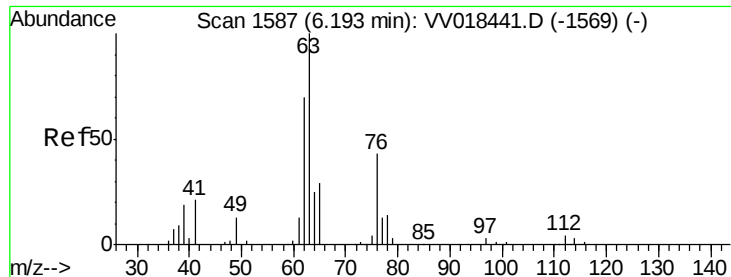
Ion Ratio Lower Upper

83 100

55 0.3 63.4 95.2#

98 1.4 38.8 58.2#

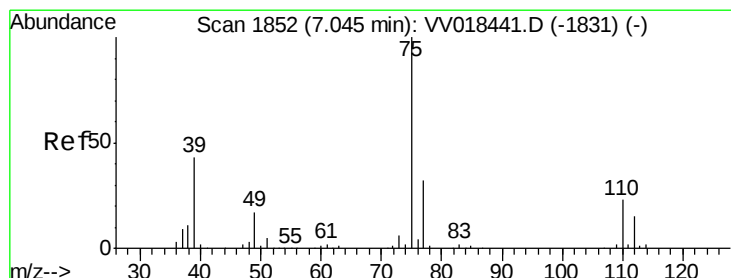
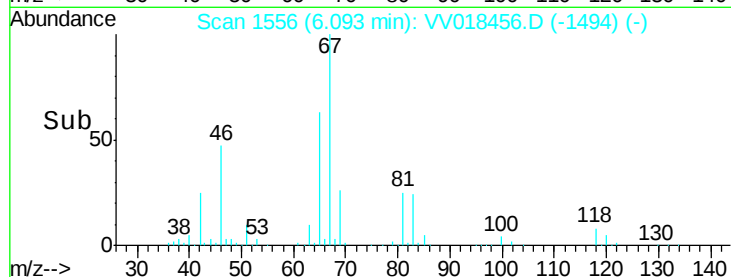
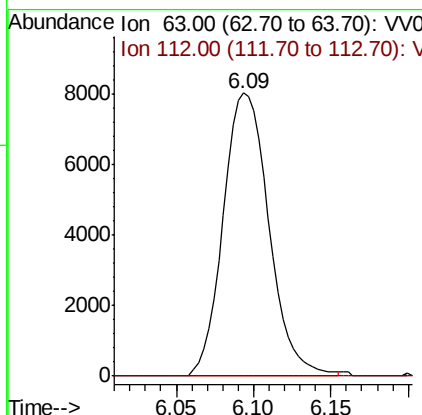
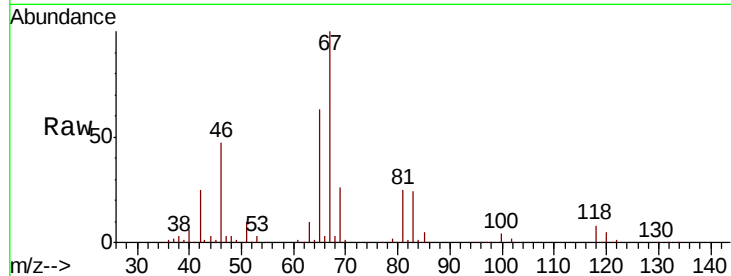




#37
 1,2-Dichloropropane
 Concen: 6.548 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

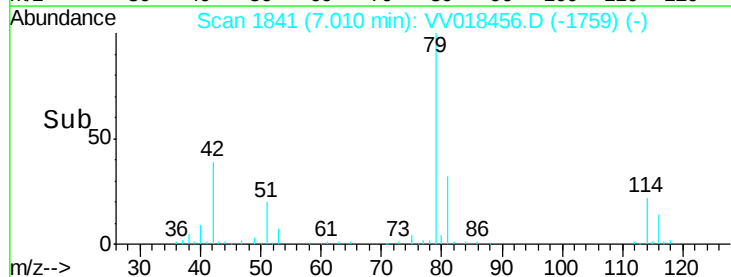
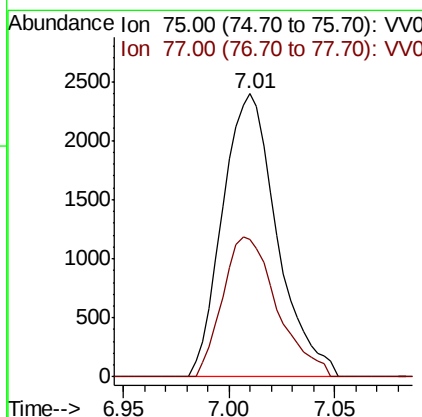
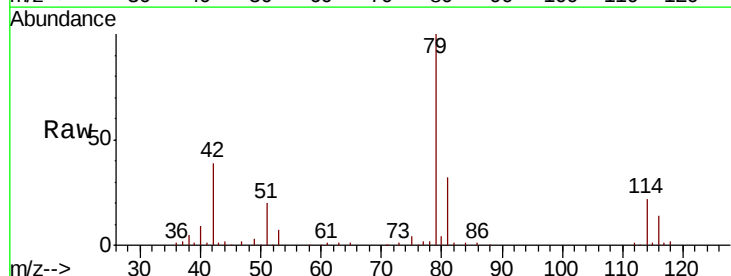
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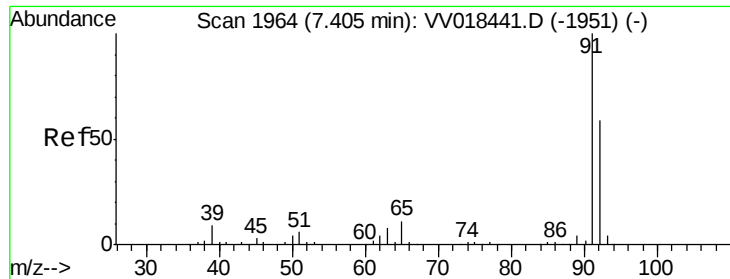
Tot Ion: 63 Resp: 16483
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.107 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

Tgt Ion: 75 Resp: 4295
 Ion Ratio Lower Upper
 75 100
 77 48.4 22.3 41.3#





#42

Toluene

Concen: 49.416 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

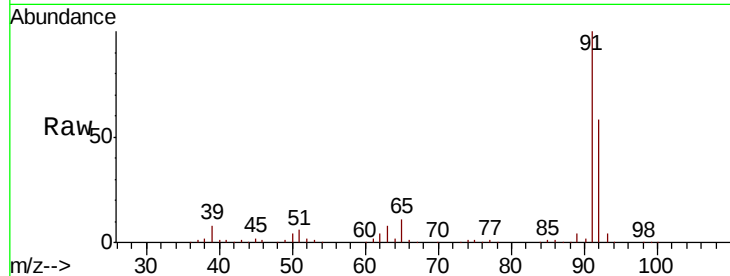
Instrument :
MSVOA_V
ClientSampleId :
E0AA0MS

Tot Ion: 91 Resp: 496794

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV018441.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018441.D (-1951) (-)

7.41

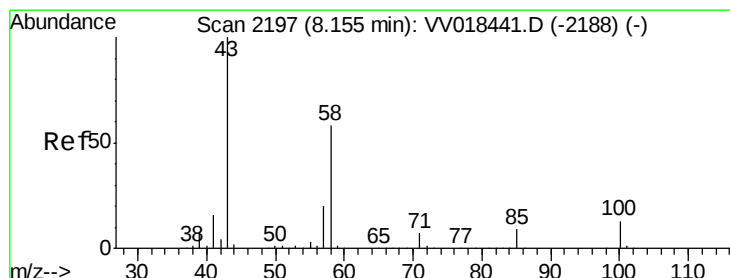
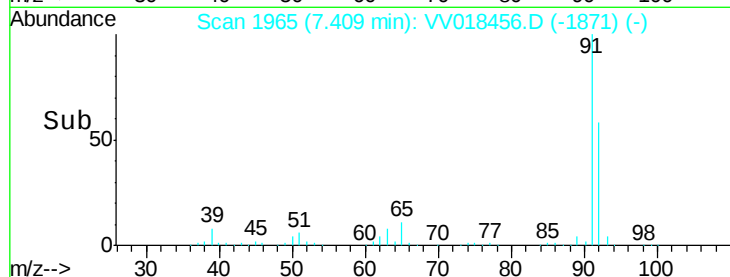
300000

200000

100000

0

Time-->



#48

2-Hexanone

Concen: 5.167 ug/L

RT: 8.11 min Scan# 2182

Delta R.T. -0.05 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

Tgt Ion: 43 Resp: 12440

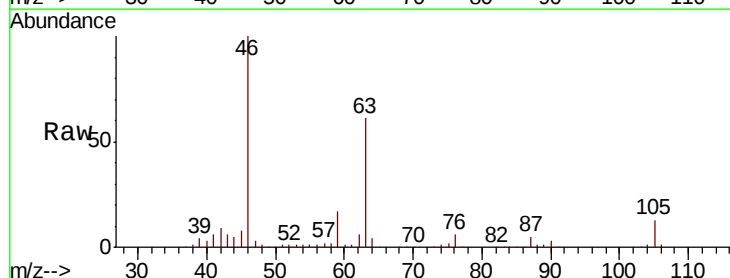
Ion Ratio Lower Upper

43 100

58 33.9 44.8 67.2#

57 25.9 15.8 23.6#

100 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VV018441.D (-2188) (-)

Ion 58.00 (57.70 to 58.70): VV018441.D (-2188) (-)

Ion 57.00 (56.70 to 57.70): VV018441.D (-2188) (-)

Ion 100.00 (99.70 to 100.70): VV018441.D (-2188) (-)

8.11

10000

8000

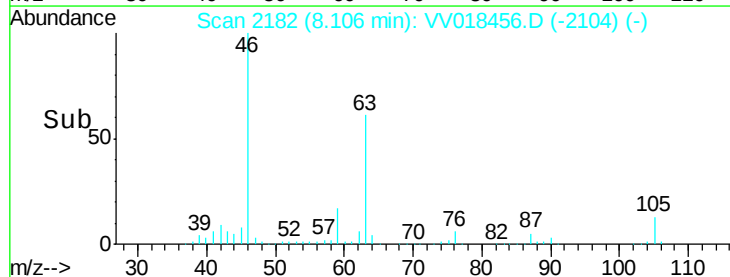
6000

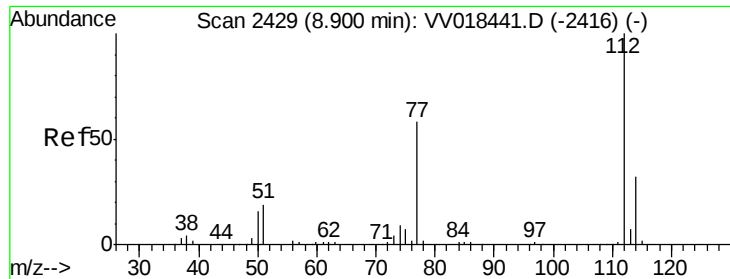
4000

2000

0

Time-->





#51

Chlorobenzene

Concen: 49.372 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018456.D

Acq: 25 Sep 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MS

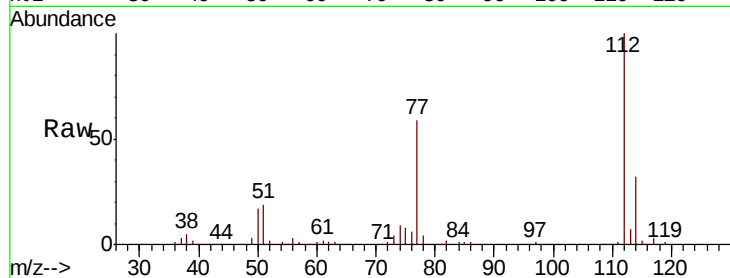
Tot Ion:112 Resp: 322344

Ion Ratio Lower Upper

112 100

114 31.6 22.6 42.0

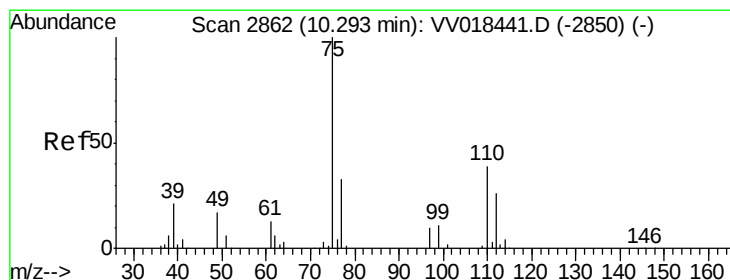
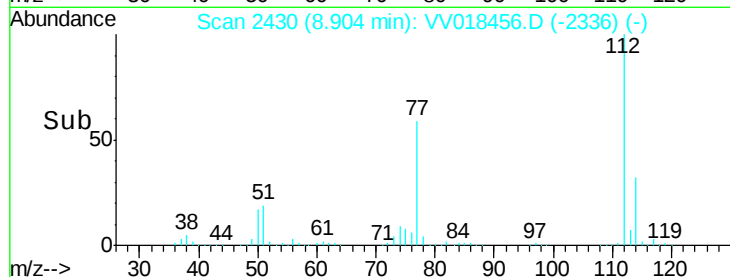
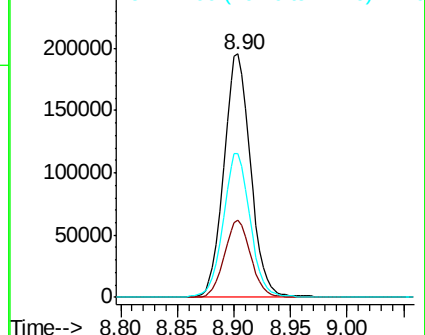
77 59.0 48.0 72.0



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): V



#59

1,2,3-Trichloropropane

Concen: 6.302 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV018456.D

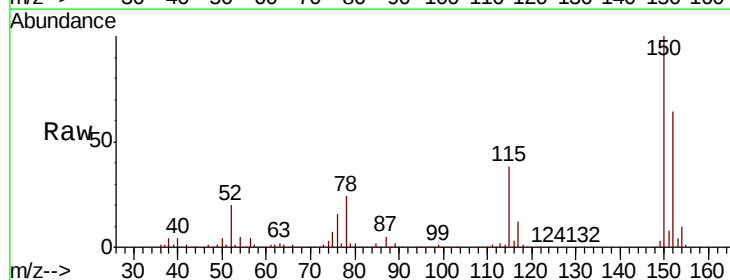
Acq: 25 Sep 2020 15:29

Tgt Ion: 75 Resp: 18658

Ion Ratio Lower Upper

75 100

77 36.4 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

