

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\
 Data File : VV018457.D
 Acq On : 25 Sep 2020 15:52
 Operator : SY/MD
 Sample : L4117-03MSD
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MSD

Quant Time: Sep 25 23:46:09 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	304092	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	288553	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146736	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140470	56.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	113.36%
7) Chloroethane-d5	1.58	69	116387	57.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.78%
11) 1,1-Dichloroethene-d2	2.12	63	248459	54.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.32%
21) 2-Butanone-d5	3.92	46	177786	117.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.21%
24) Chloroform-d	4.38	84	237877	55.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.64%
26) 1,2-Dichloroethane-d4	5.06	65	156027	56.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.22%
32) Benzene-d6	5.08	84	505587	61.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.42%
36) 1,2-Dichloropropane-d6	6.09	67	157637	60.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	120.12%#
41) Toluene-d8	7.34	98	458966	60.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.94%#
43) trans-1,3-Dichloropropene-	7.64	79	80272	60.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	120.36%
47) 2-Hexanone-d5	8.11	63	114398	115.07	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.07%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	194792	59.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	118.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	189311	62.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	125.64%#

Target Compounds

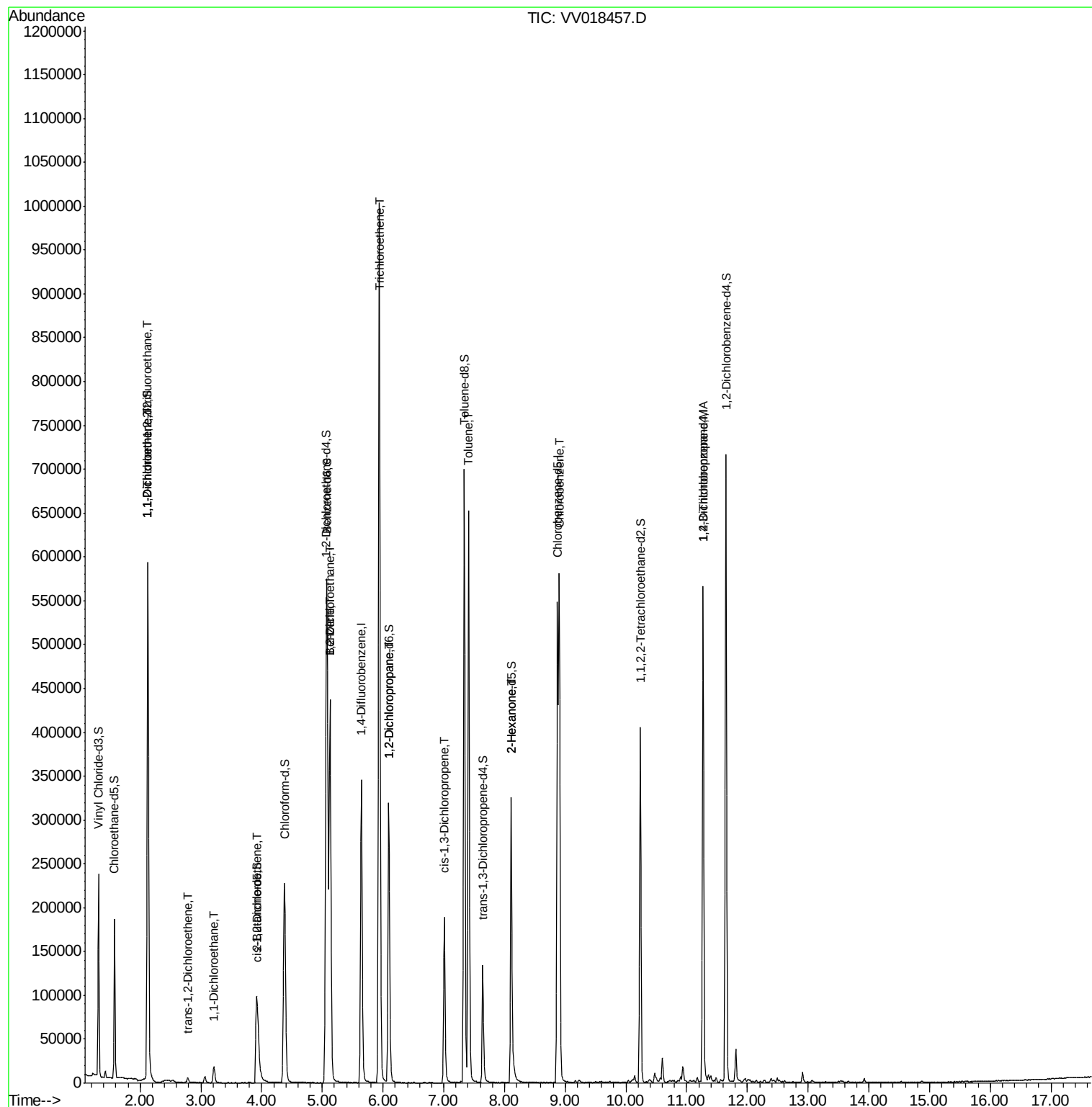
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2198	1.071	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	106938	53.559	ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	1534	0.745	ug/L	80
19) 1,1-Dichloroethane	3.22	63	20429	5.251	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10067	4.577	ug/L	99
27) 1,2-Dichloroethane	5.13	62	3311	1.081	ug/L #	74
33) Benzene	5.13	78	447499	54.242	ug/L	100
34) Trichloroethene	5.94	95	356557	158.652	ug/L	99
37) 1,2-Dichloropropane	6.09	63	16789	7.680	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	4560	1.354	ug/L #	80
42) Toluene	7.41	91	474991	54.404	ug/L	100
48) 2-Hexanone	8.11	43	13134	6.281	ug/L #	72
51) Chlorobenzene	8.90	112	308083	54.335	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	15951	6.203	ug/L	92

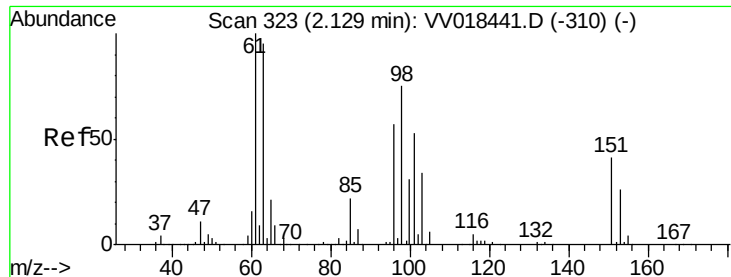
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
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: 1.071 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MSD

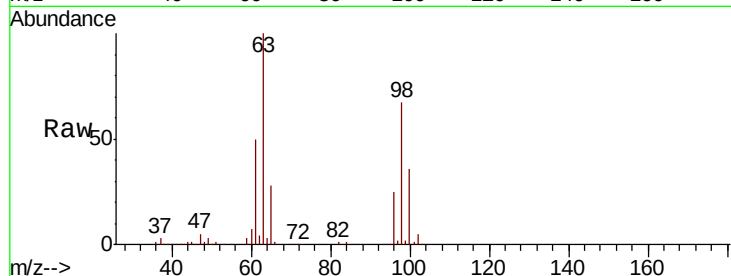
Tot Ion:101 Resp: 2198

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

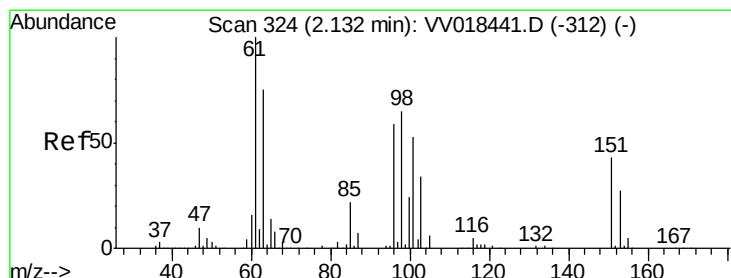
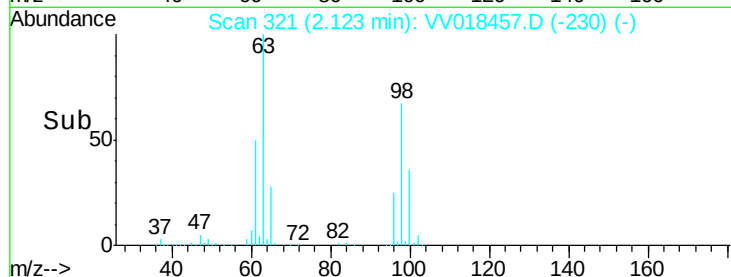
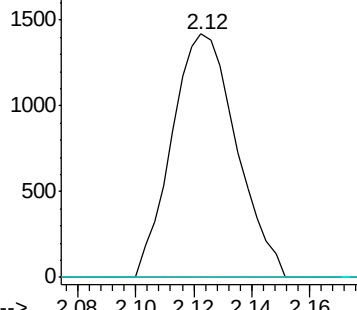
151 0.0 62.2 93.2#



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: 53.559 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

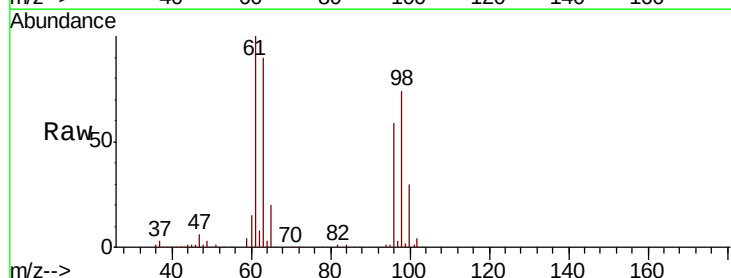
Tgt Ion: 96 Resp: 106938

Ion Ratio Lower Upper

96 100

61 168.9 122.9 228.3

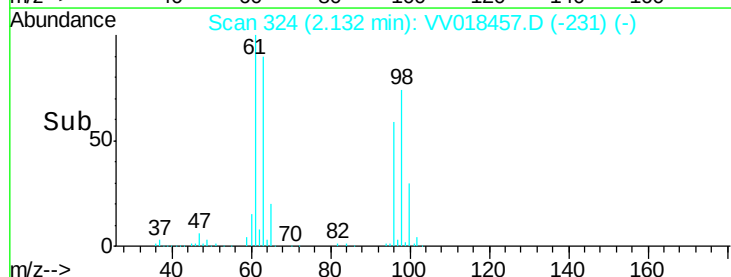
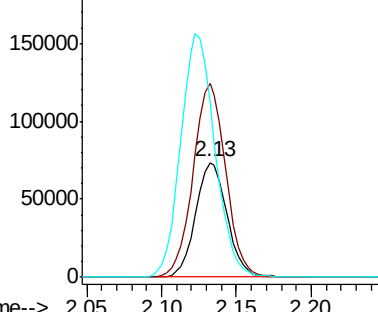
63 151.8 91.9 170.7

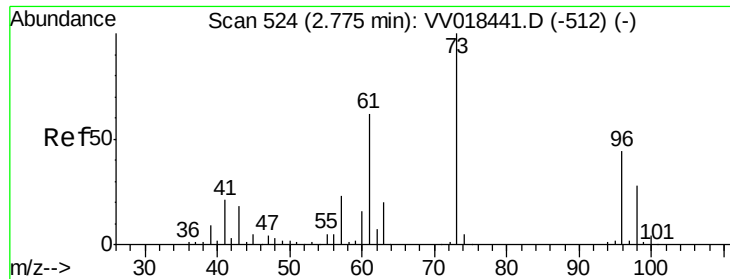


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 0.745 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MSD

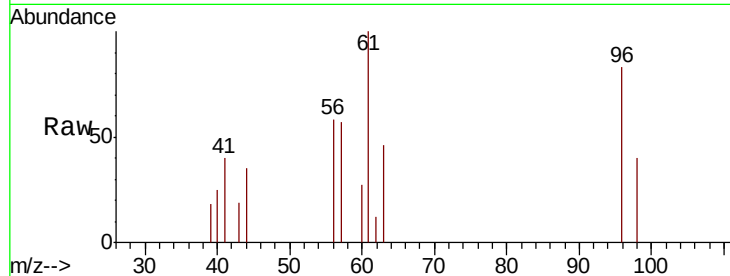
Tot Ion: 96 Resp: 1534

Ion Ratio Lower Upper

96 100

61 120.1 100.7 186.9

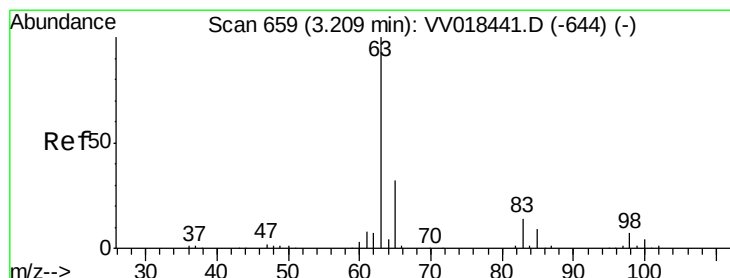
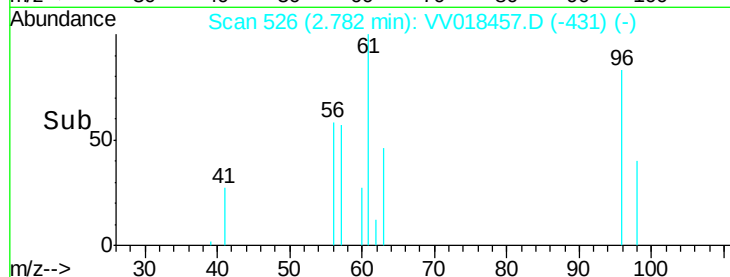
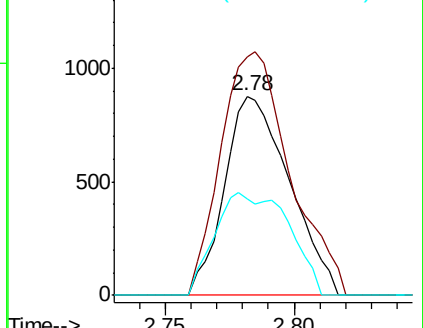
98 48.5 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#19

1,1-Dichloroethane

Concen: 5.251 ug/L

RT: 3.22 min Scan# 661

Delta R.T. 0.01 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

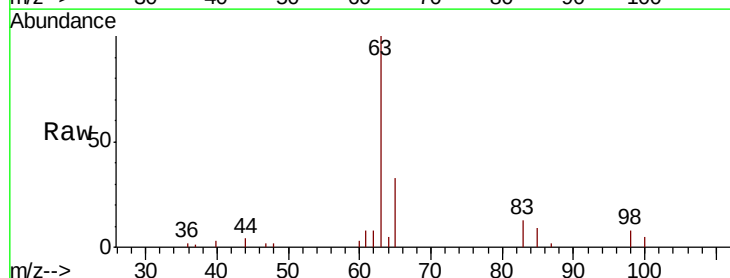
Tgt Ion: 63 Resp: 20429

Ion Ratio Lower Upper

63 100

65 33.1 22.5 41.7

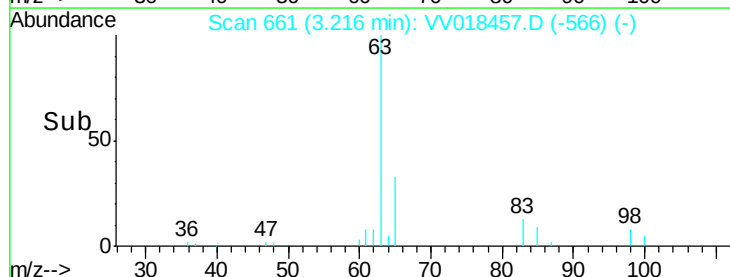
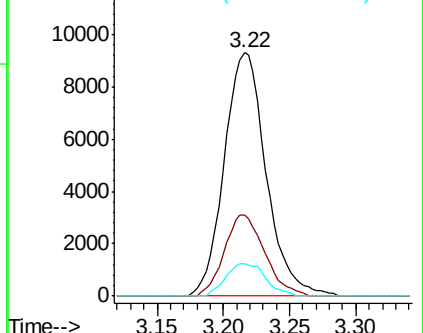
83 13.3 9.3 17.3

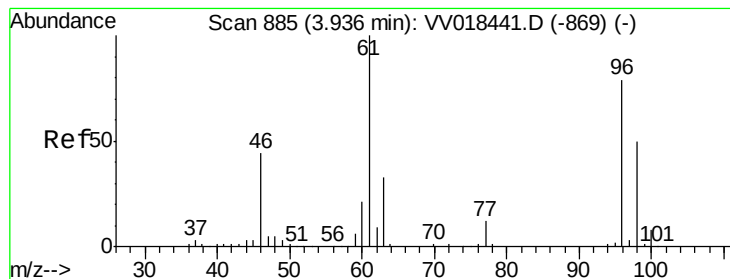


Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



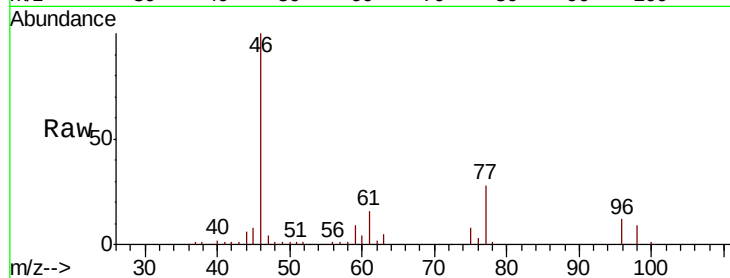


#20

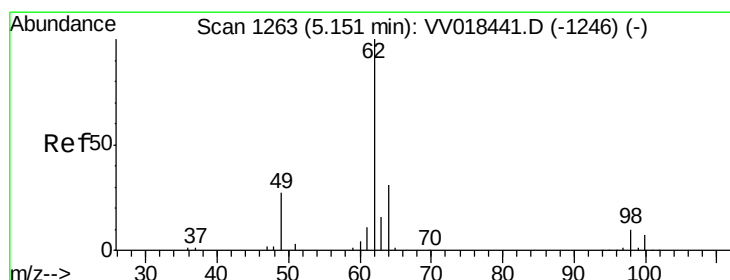
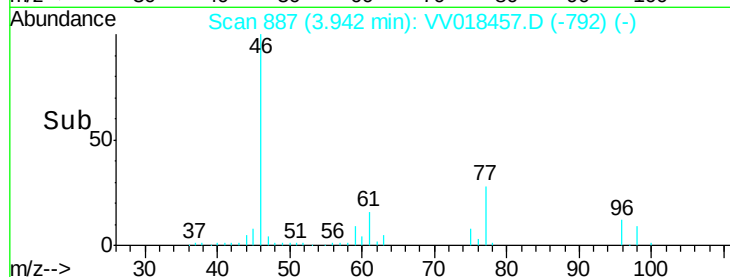
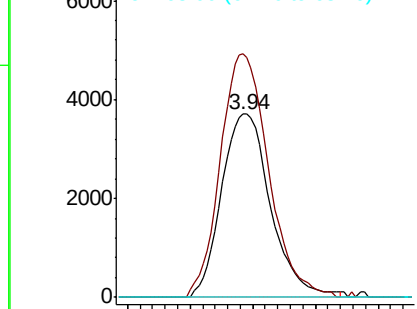
cis-1,2-Dichloroethene
 Concen: 4.577 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018457.D
 Acq: 25 Sep 2020 15:52

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	93.6	173.8
68	0.0	0.0	0.0



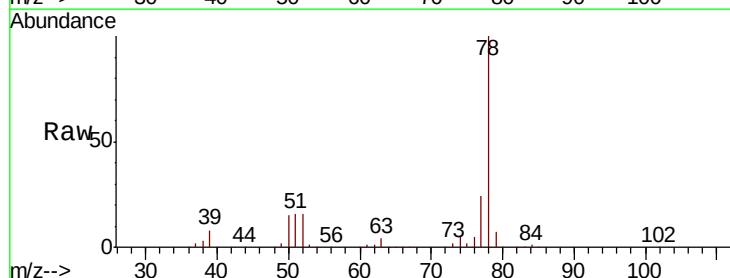
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



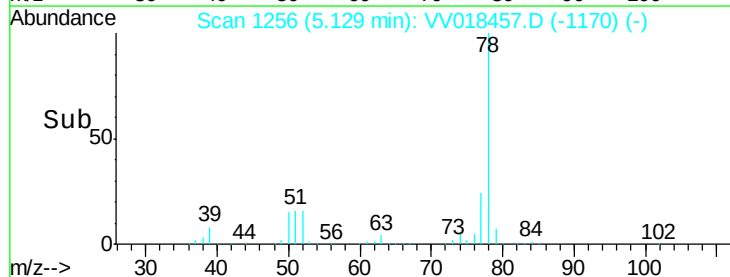
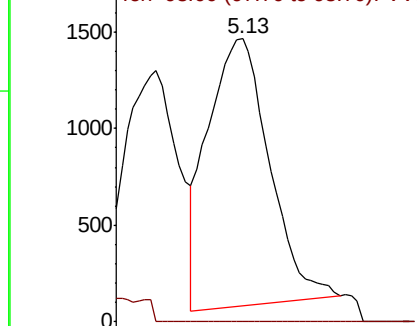
#27

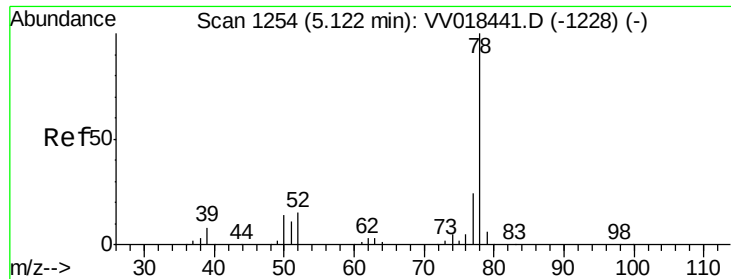
1,2-Dichloroethane
 Concen: 1.081 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: VV018457.D
 Acq: 25 Sep 2020 15:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.6	11.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#33

Benzene

Concen: 54.242 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

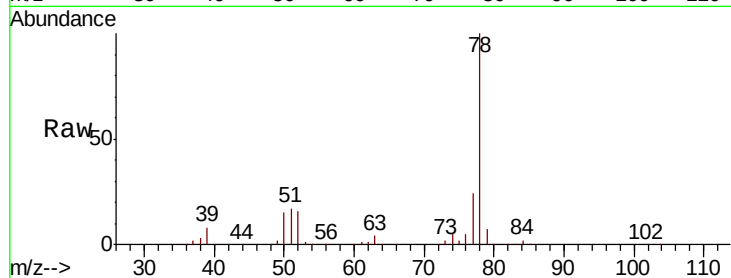
Instrument :

MSVOA_V

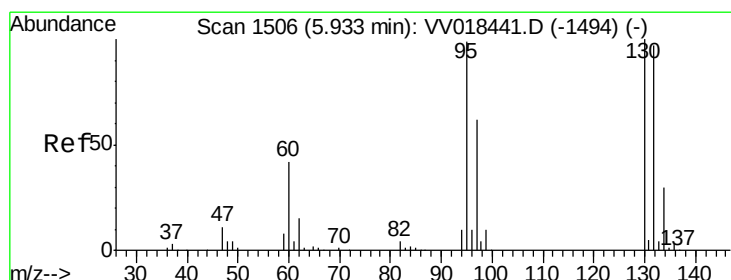
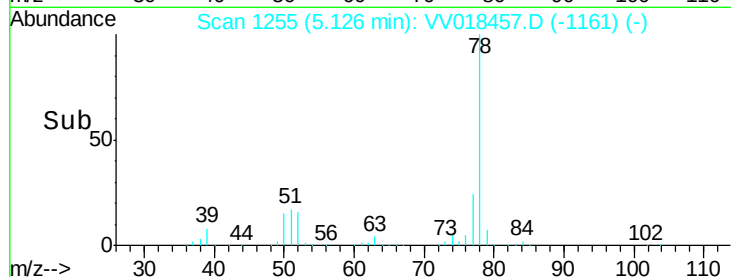
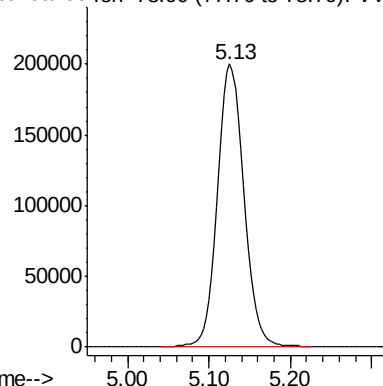
ClientSampleId :

E0AA0MSD

Tgt Ion: 78 Resp: 447499



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 158.652 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

Tgt Ion: 95 Resp: 356557

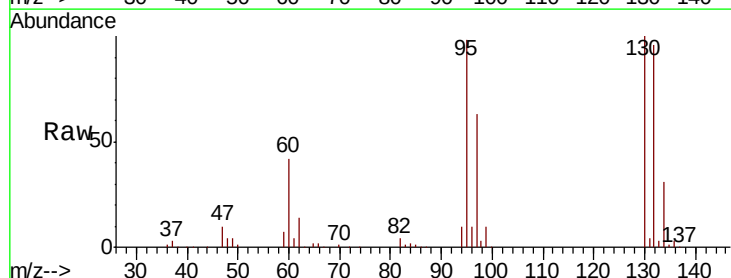
Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 97.9 68.1 126.5

130 102.2 71.5 132.9



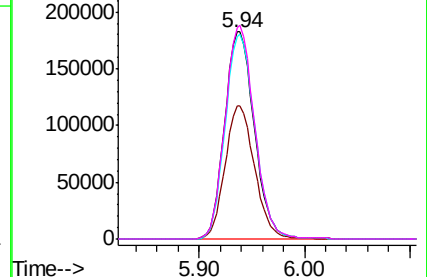
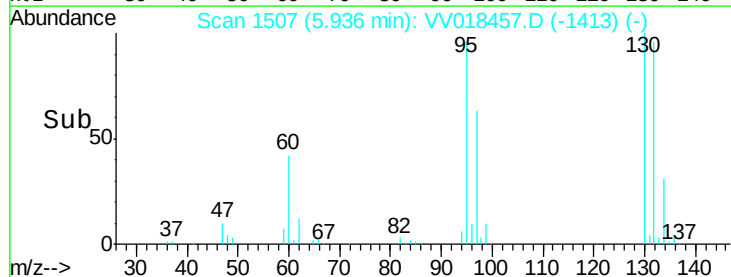
Abundance Ion 95.00 (94.70 to 95.70): VV0

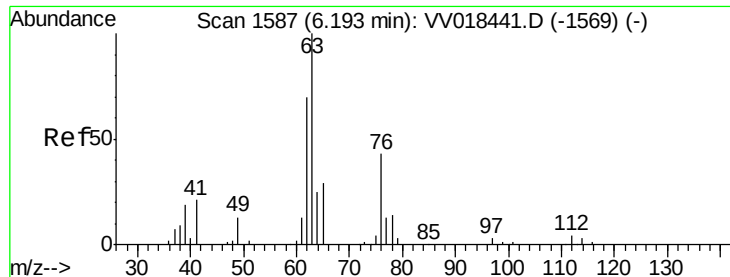
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->

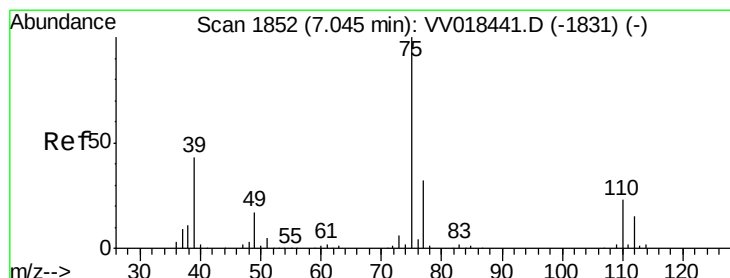
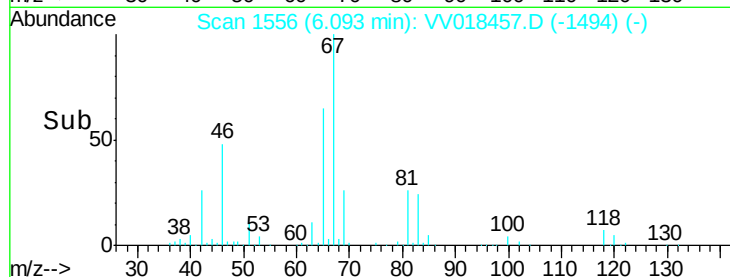
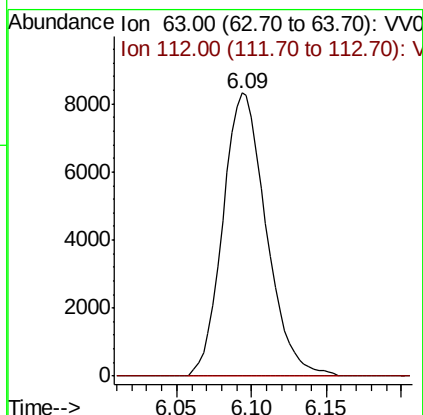
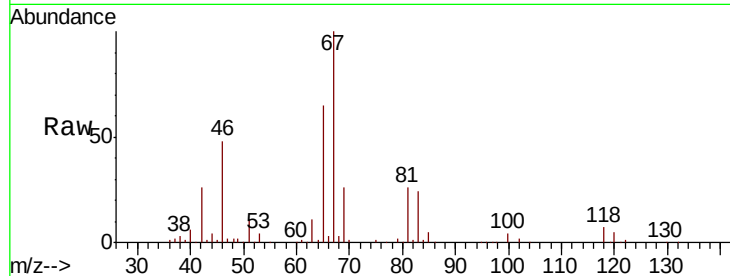




#37
 1,2-Dichloropropane
 Concen: 7.680 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV018457.D
 Acq: 25 Sep 2020 15:52

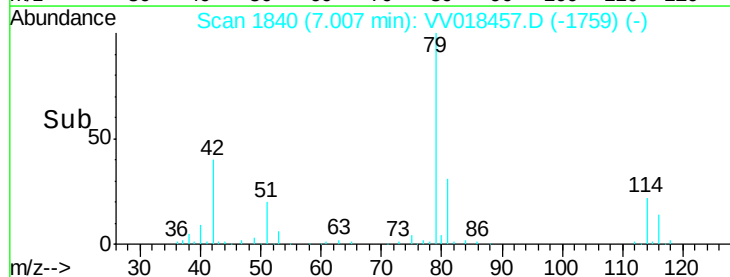
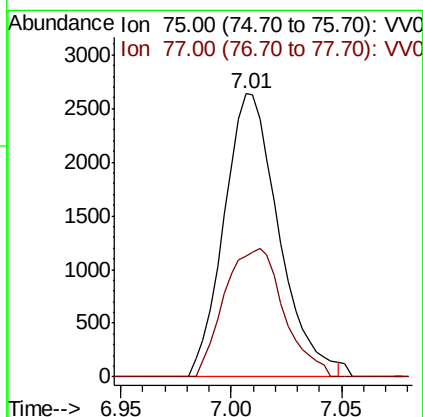
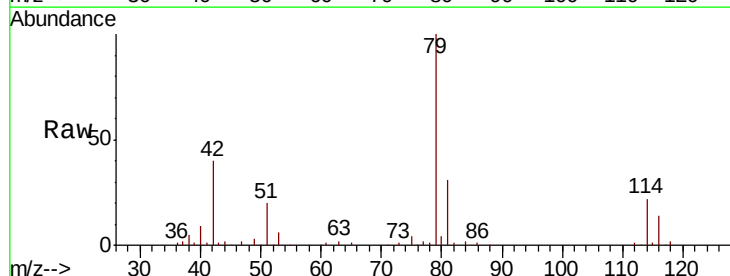
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MSD

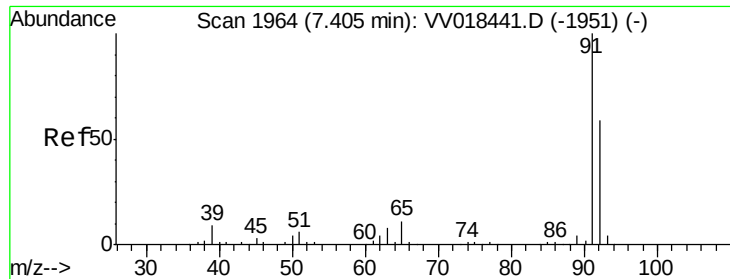
Tot Ion: 63 Resp: 16789
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 1.354 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV018457.D
 Acq: 25 Sep 2020 15:52

Tgt Ion: 75 Resp: 4560
 Ion Ratio Lower Upper
 75 100
 77 42.9 22.3 41.3#





#42

Toluene

Concen: 54.404 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

Instrument :

MSVOA_V

ClientSampleId :

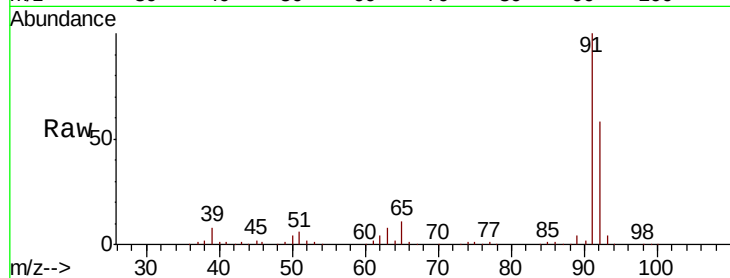
E0AA0MSD

Tot Ion: 91 Resp: 474991

Ion Ratio Lower Upper

91 100

92 58.4 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

300000

250000

200000

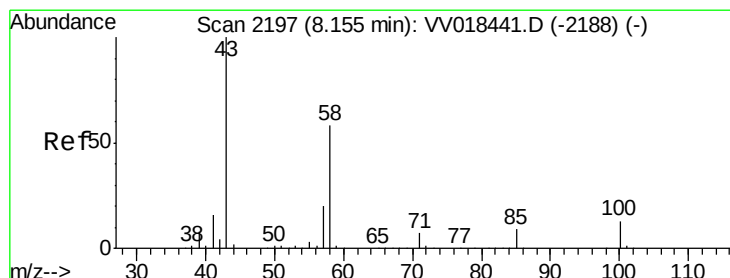
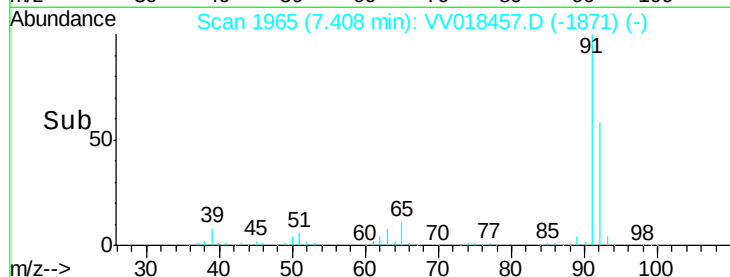
150000

100000

50000

0

Time-->



#48

2-Hexanone

Concen: 6.281 ug/L

RT: 8.11 min Scan# 2183

Delta R.T. -0.05 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

Tgt Ion: 43 Resp: 13134

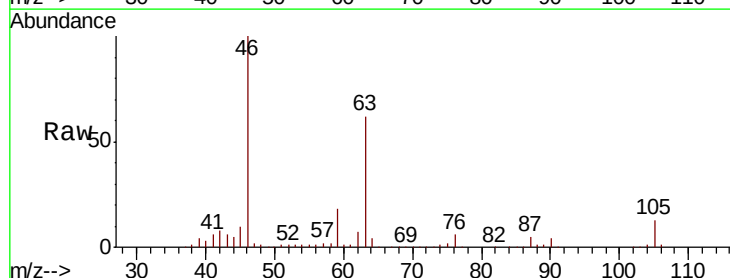
Ion Ratio Lower Upper

43 100

58 33.1 44.8 67.2#

57 26.1 15.8 23.6#

100 0.0 10.2 15.4#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

8.11

10000

8000

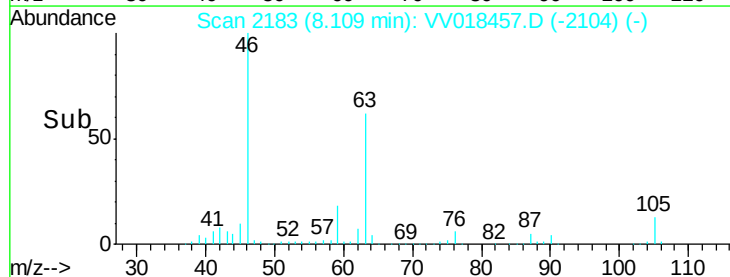
6000

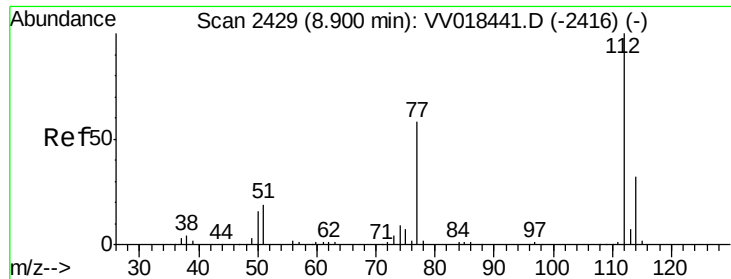
4000

2000

0

Time-->





#51

Chlorobenzene

Concen: 54.335 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV018457.D

Acq: 25 Sep 2020 15:52

Instrument :

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E0AA0MSD

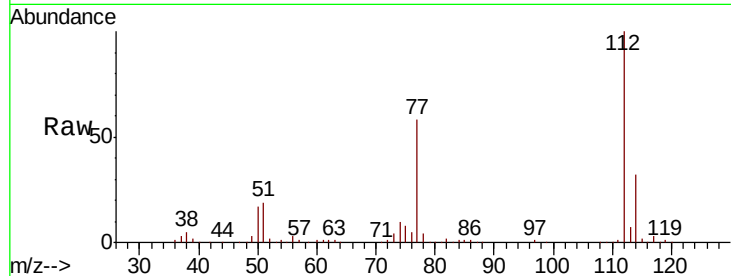
Tot Ion:112 Resp: 308083

Ion Ratio Lower Upper

112 100

114 31.5 22.6 42.0

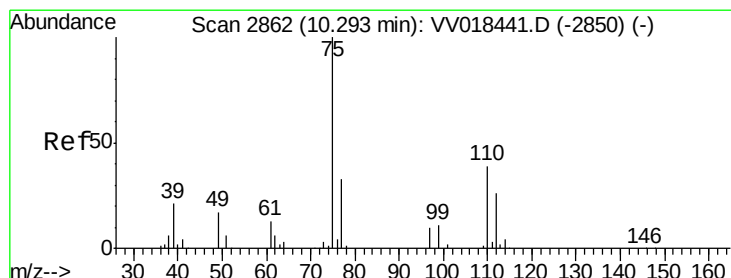
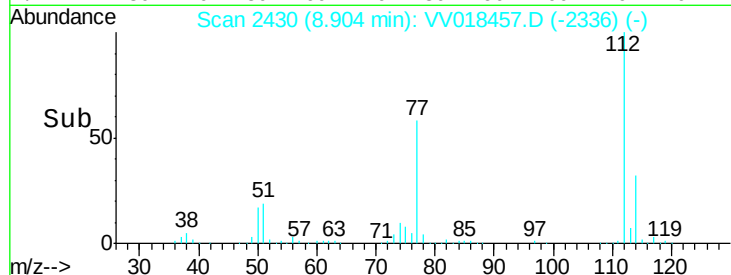
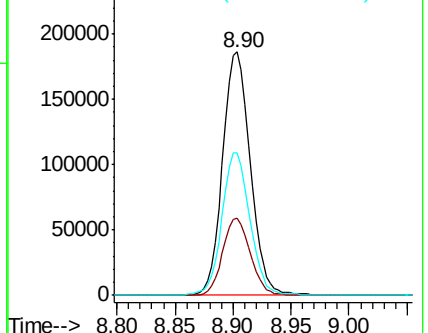
77 58.3 48.0 72.0



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): VV



#59

1,2,3-Trichloropropane

Concen: 6.203 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018457.D

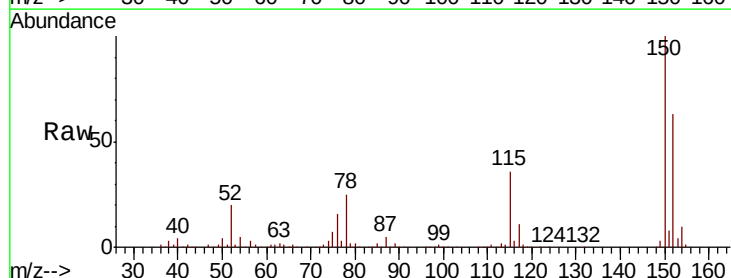
Acq: 25 Sep 2020 15:52

Tgt Ion: 75 Resp: 15951

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

