

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 26 02:48:17 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

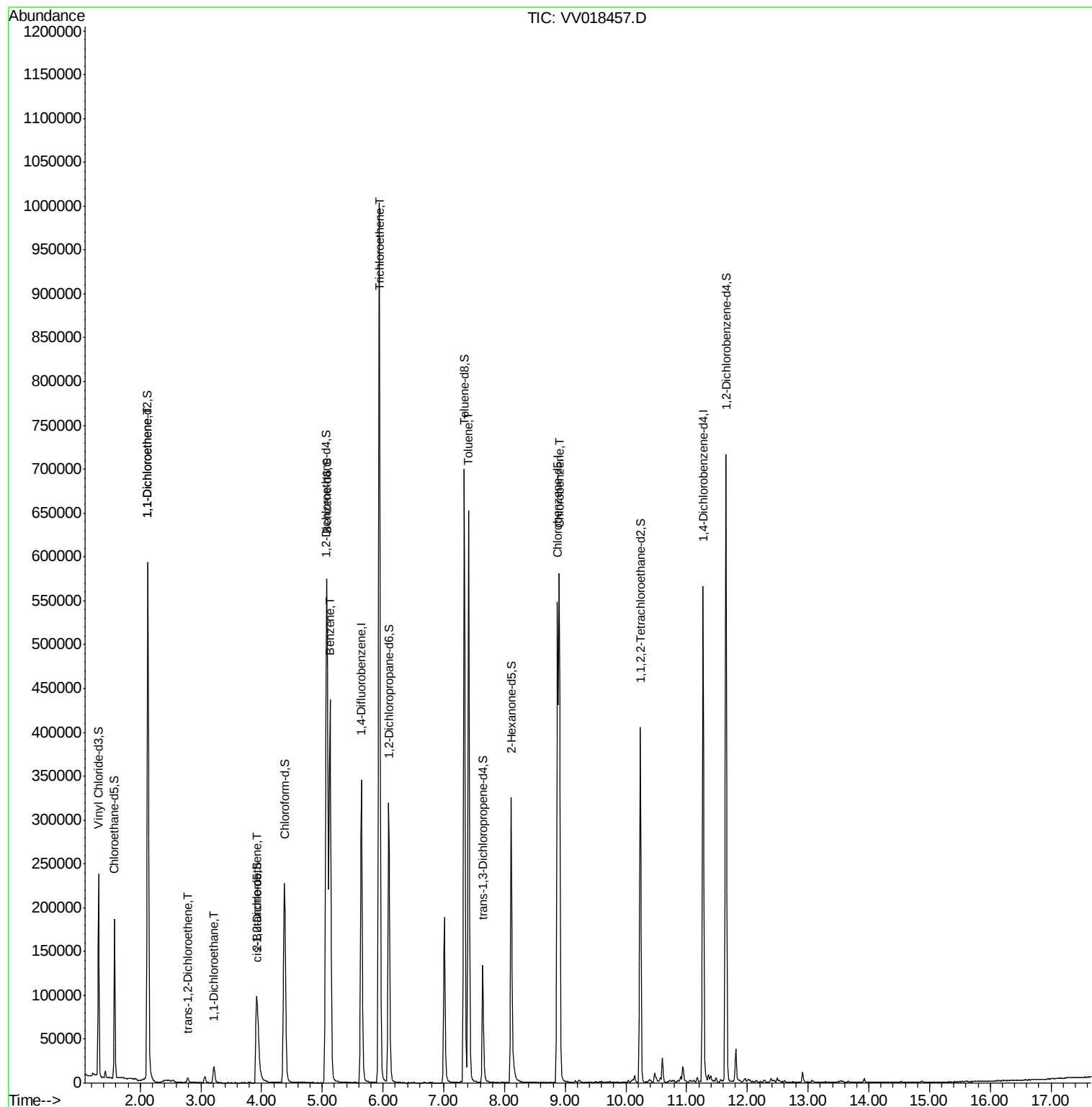
					Ovalue
12) 1,1-Dichloroethene	2.13	96	106938	53.559 ug/L	90
17) trans-1,2-Dichloroethene	2.78	96	1534	0.745 ug/L	80
19) 1,1-Dichloroethane	3.22	63	20429	5.251 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10067	4.577 ug/L	99
33) Benzene	5.13	78	447499	54.242 ug/L	100
34) Trichloroethene	5.94	95	356557	158.652 ug/L	99
42) Toluene	7.41	91	474991	54.404 ug/L	100
51) Chlorobenzene	8.90	112	308083	54.335 ug/L	98

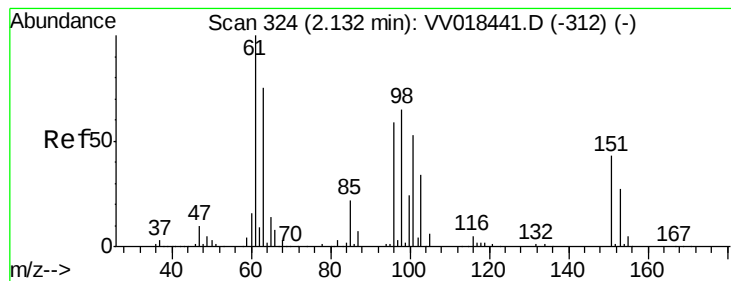
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\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 26 02:48:17 2020
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





#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

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MSD

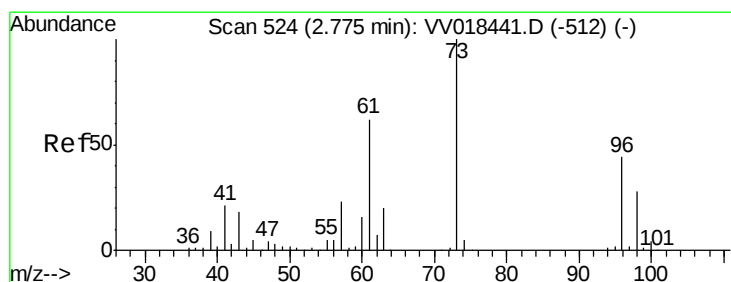
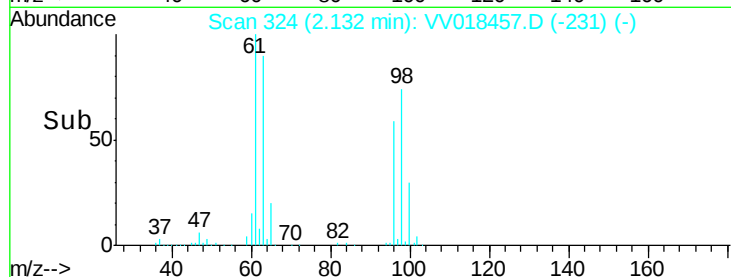
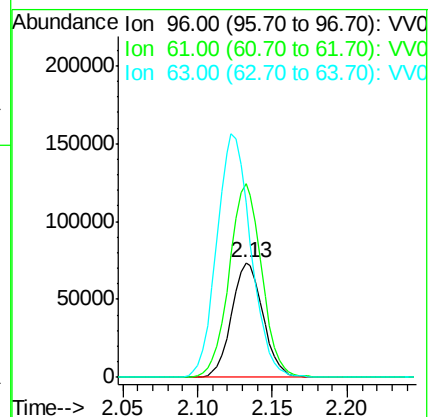
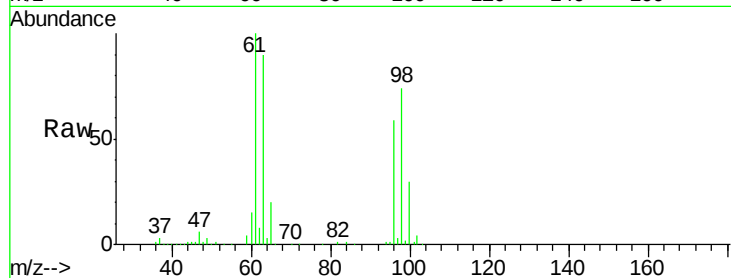
Tot Ion: 96 Resp: 106938

Ion Ratio Lower Upper

96 100

61 168.9 122.9 228.3

63 151.8 91.9 170.7



#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

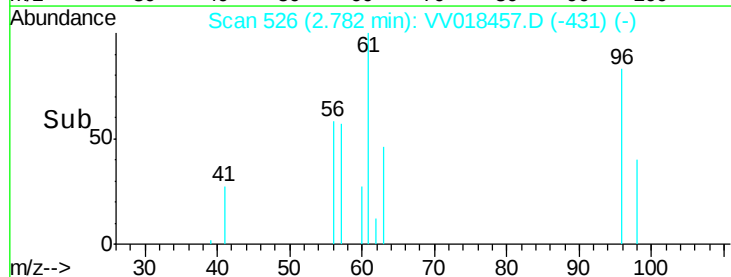
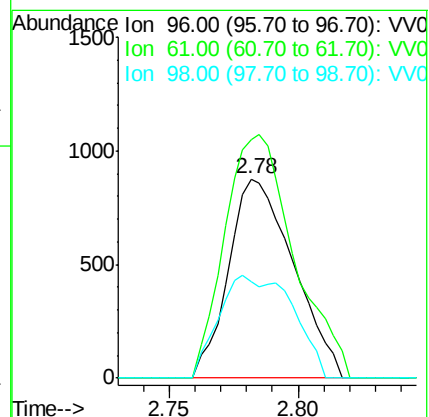
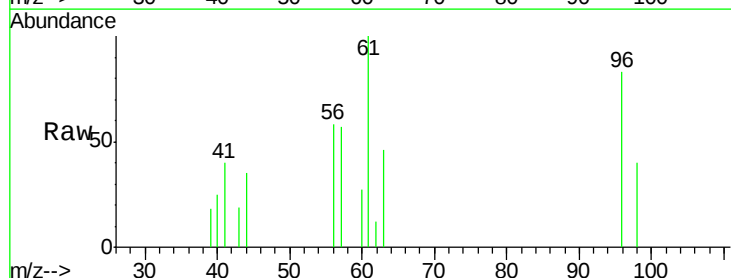
Tgt Ion: 96 Resp: 1534

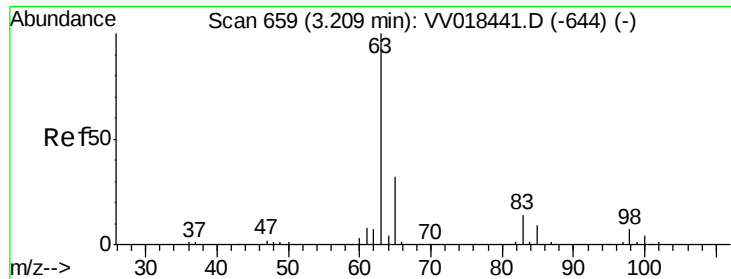
Ion Ratio Lower Upper

96 100

61 120.1 100.7 186.9

98 48.5 45.2 84.0

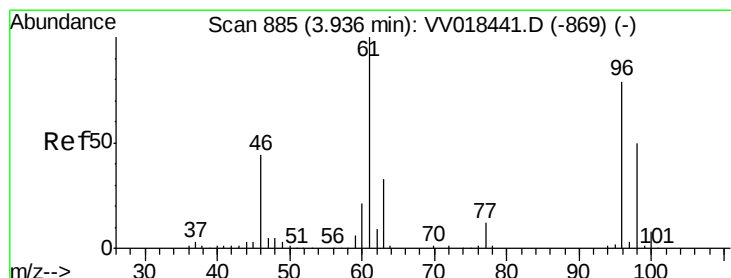
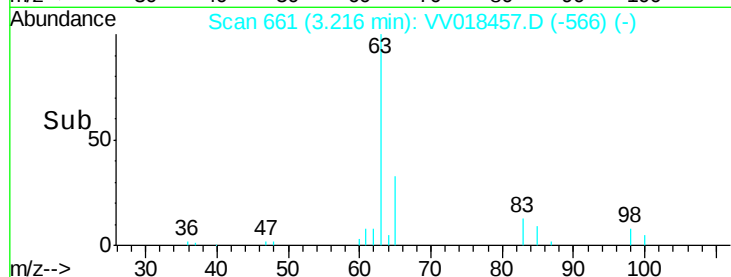
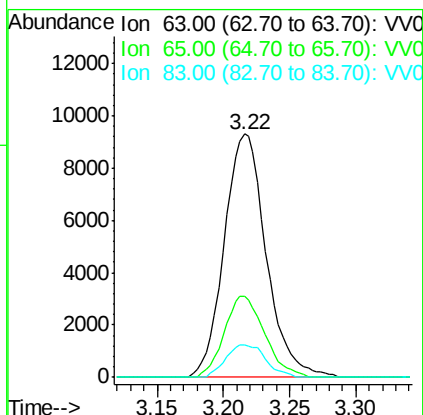
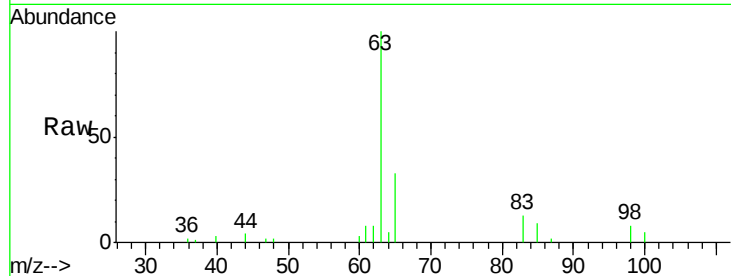




#19
 1,1-Dichloroethane
 Concen: 5.251 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018457.D
 Acq: 25 Sep 2020 15:52

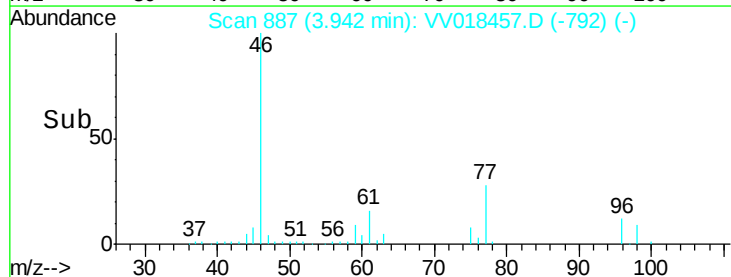
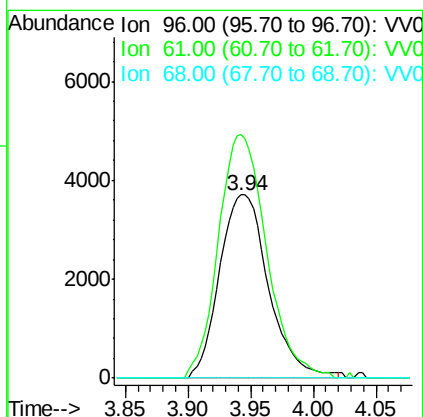
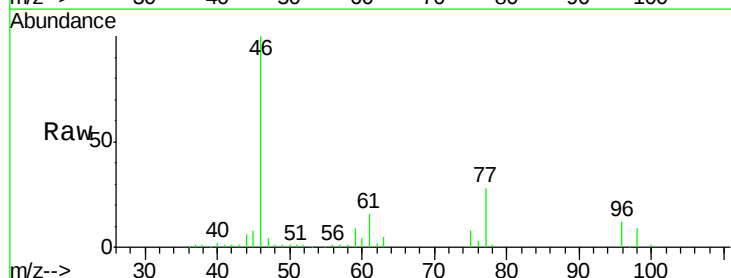
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MSD

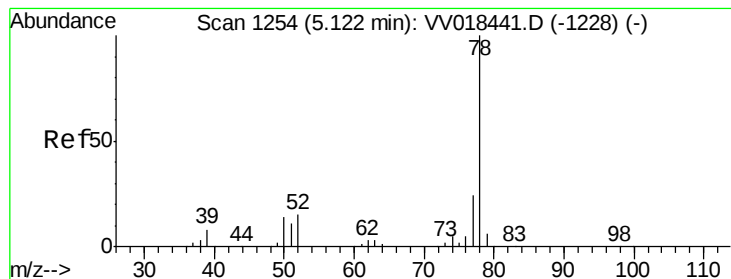
Tot Ion: 63 Resp: 20429
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.5 41.7
 83 13.3 9.3 17.3



#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

Tgt Ion: 96 Resp: 10067
 Ion Ratio Lower Upper
 96 100
 61 132.8 93.6 173.8
 68 0.0 0.0 0.0





#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

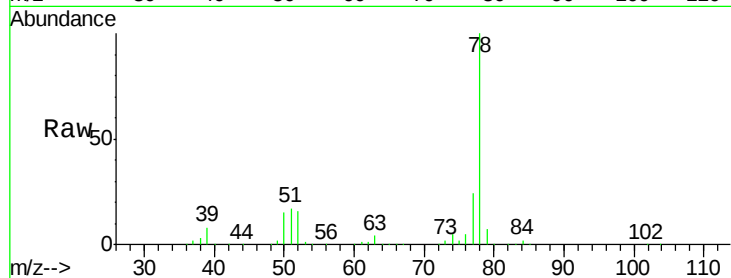
Instrument :

MSVOA_V

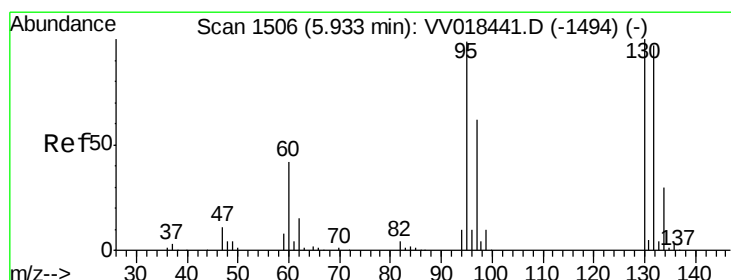
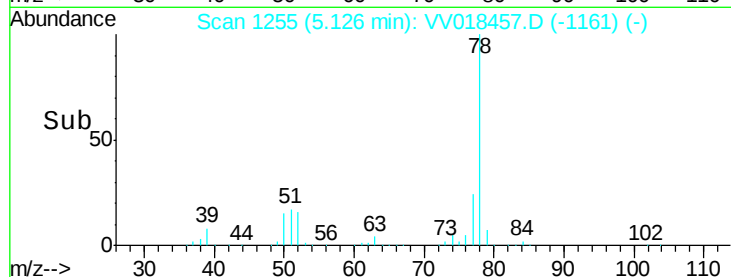
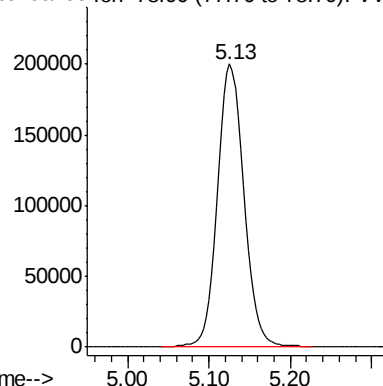
ClientSampleId :

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

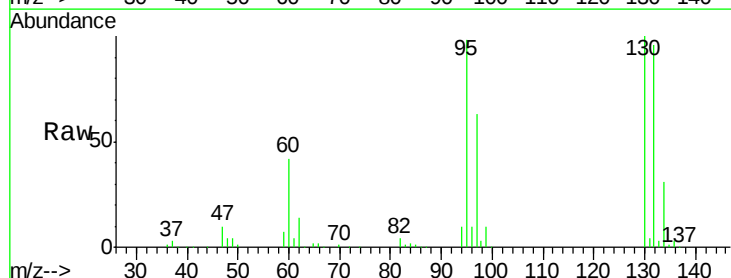
Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 97.9 68.1 126.5

130 102.2 71.5 132.9



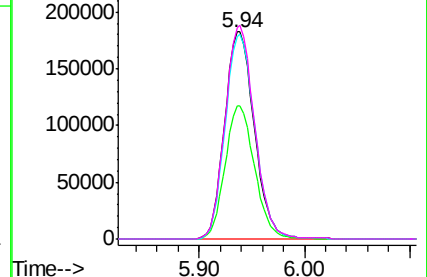
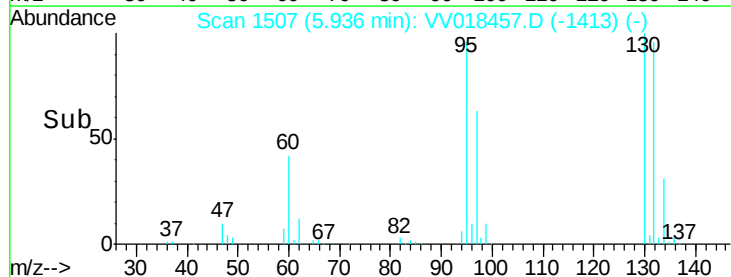
Abundance Ion 95.00 (94.70 to 95.70): VV0

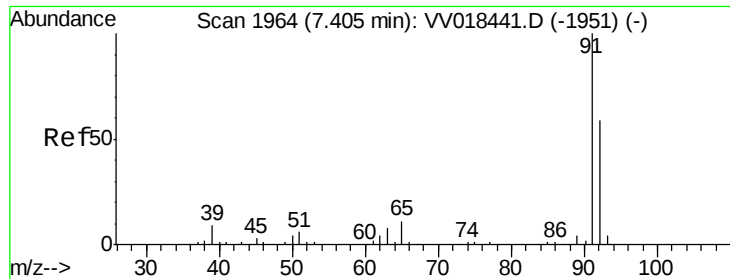
Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Time-->





#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 :

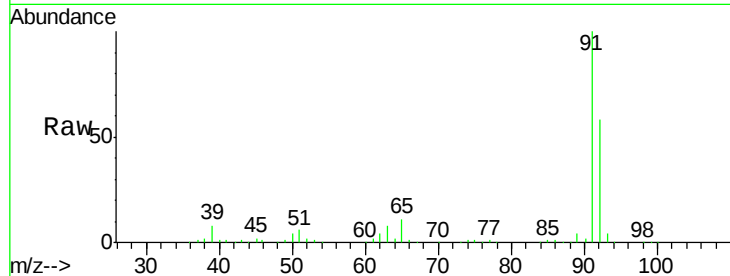
E0AA0MSD

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): VV018441.D (-1951) (-)

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

7.41

300000

250000

200000

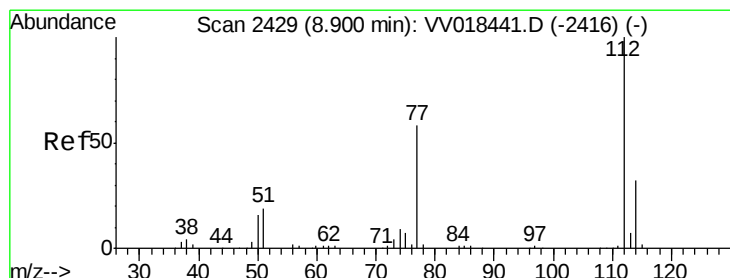
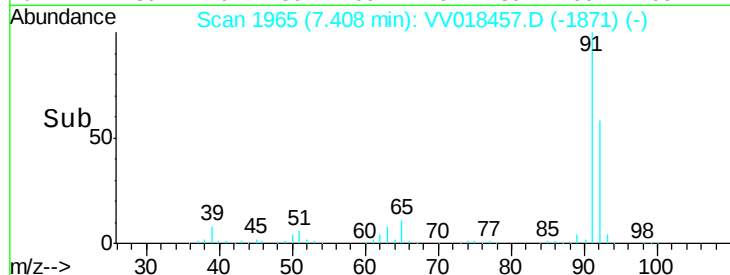
150000

100000

50000

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

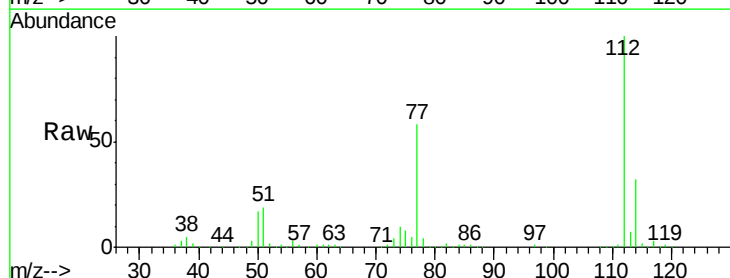
Tgt Ion: 112 Resp: 308083

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): VV018441.D (-2416) (-)

Ion 114.00 (113.70 to 114.70): VV018441.D (-2416) (-)

Ion 77.00 (76.70 to 77.70): VV018441.D (-2416) (-)

8.90

250000

200000

150000

100000

50000

0

Time-->

