

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 26 02:46:00 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

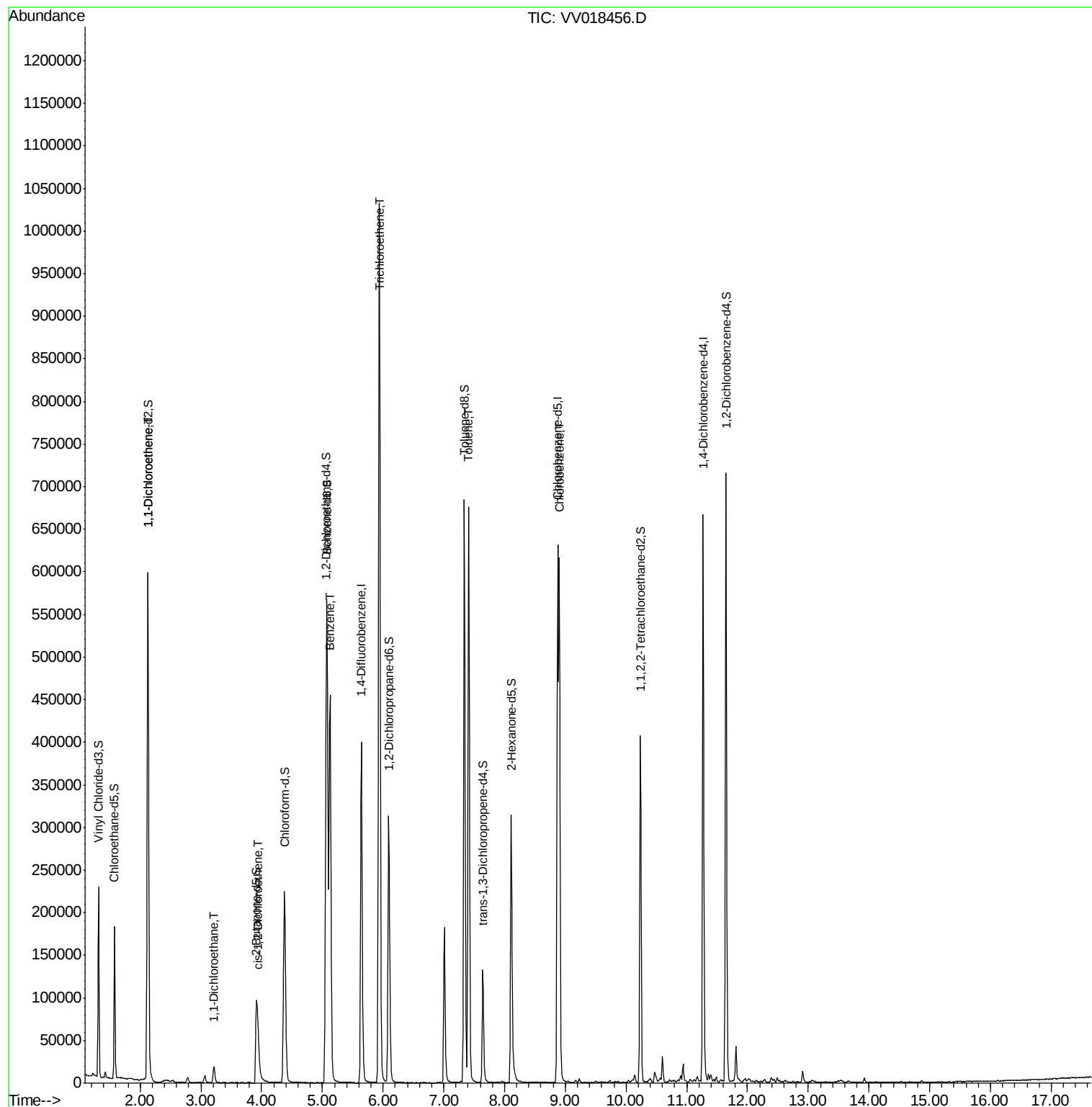
					Ovalue
12) 1,1-Dichloroethene	2.13	96	109652	47.251 ug/L	91
19) 1,1-Dichloroethane	3.22	63	20575	4.550 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10196	3.988 ug/L	94
33) Benzene	5.13	78	466892	49.148 ug/L	100
34) Trichloroethene	5.94	95	364354	140.794 ug/L	99
42) Toluene	7.41	91	496794	49.416 ug/L	100
51) Chlorobenzene	8.90	112	322344	49.372 ug/L	99

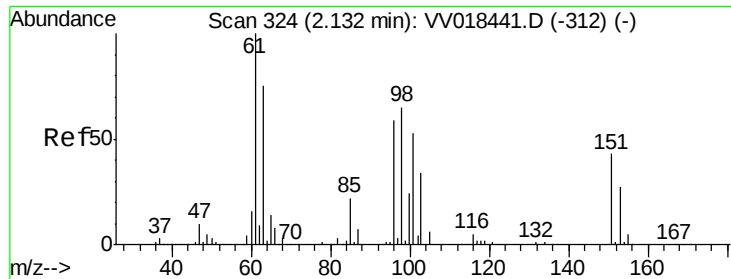
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 25 23:36:18 2020
Response via : Initial Calibration





#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

Instrument :

MSVOA_V

ClientSampleId :

E0AA0MS

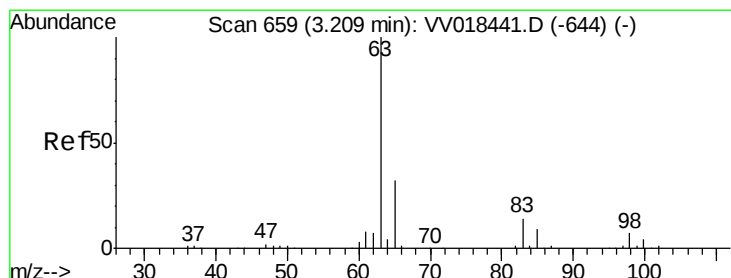
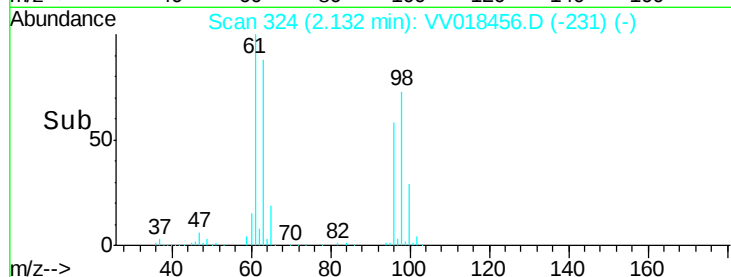
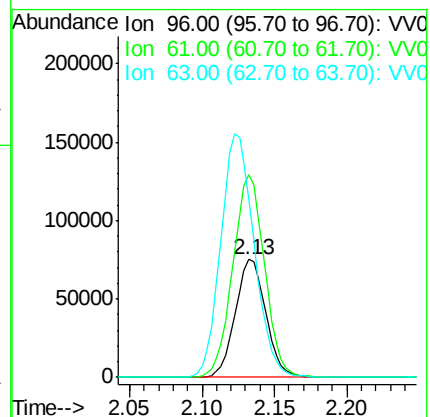
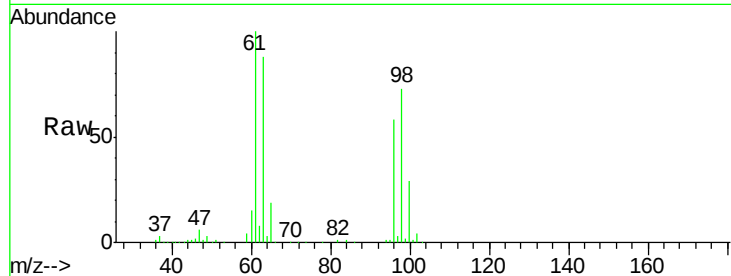
Tot Ion: 96 Resp: 109652

Ion Ratio Lower Upper

96 100

61 172.6 122.9 228.3

63 151.9 91.9 170.7



#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

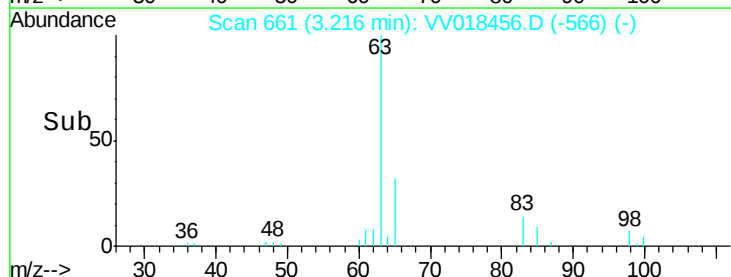
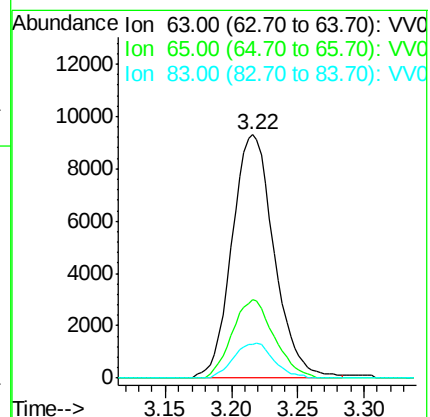
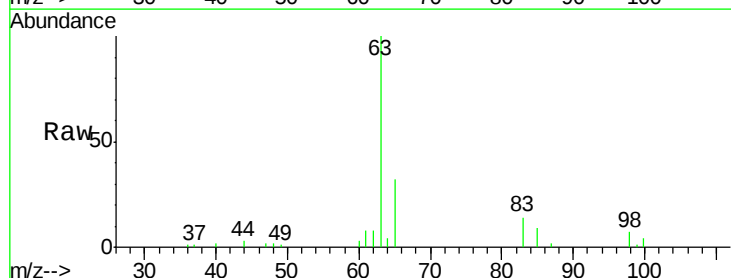
Tgt Ion: 63 Resp: 20575

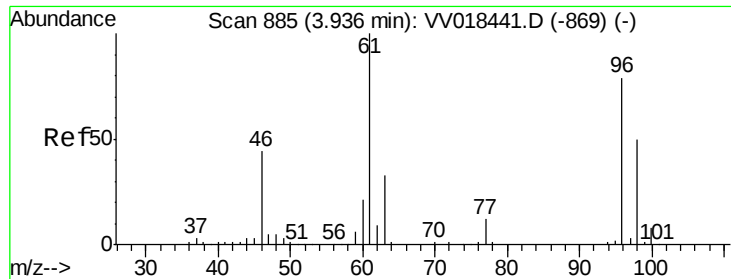
Ion Ratio Lower Upper

63 100

65 32.3 22.5 41.7

83 14.0 9.3 17.3

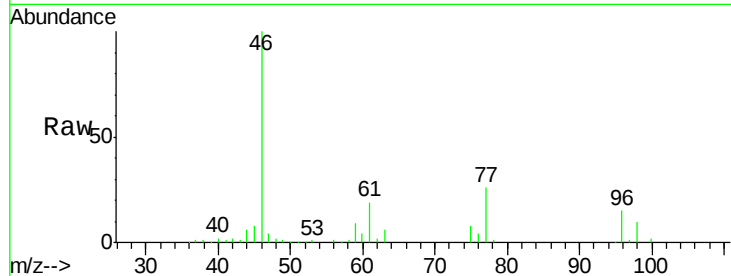




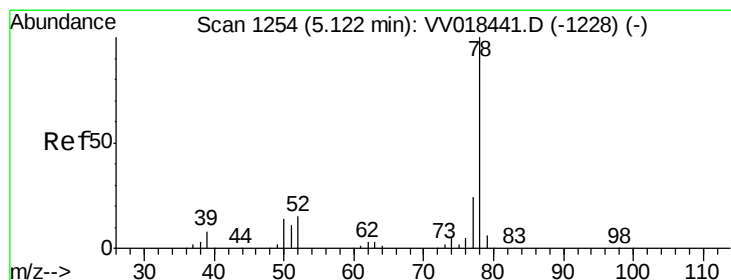
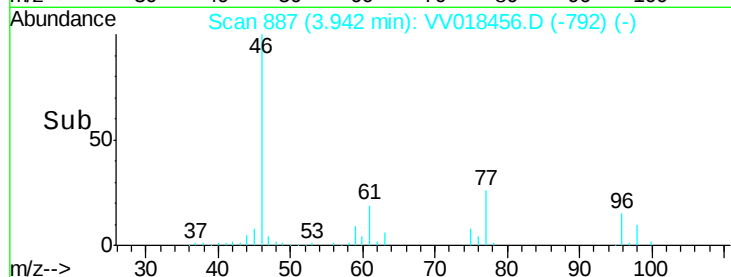
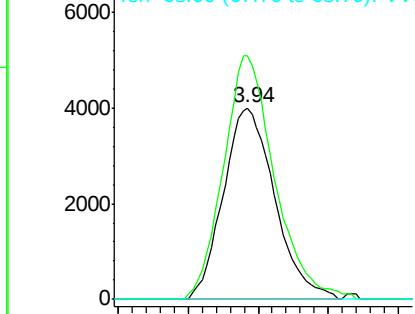
#20
 cis-1,2-Dichloroethene
 Concen: 3.988 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA0MS

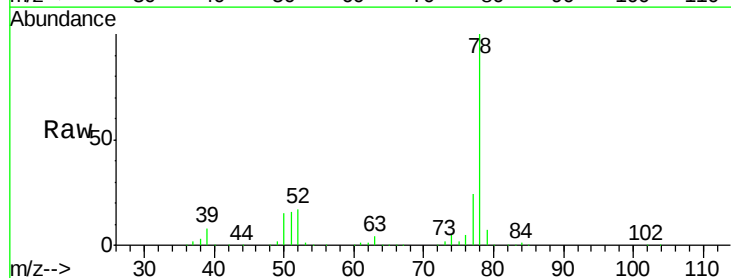
Tot Ion: 96 Resp: 10196
 Ion Ratio Lower Upper
 96 100
 61 127.2 93.6 173.8
 68 0.0 0.0 0.0



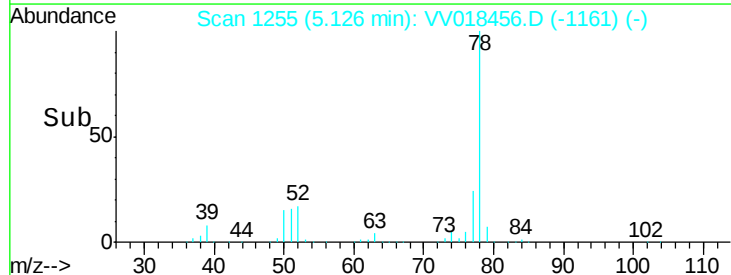
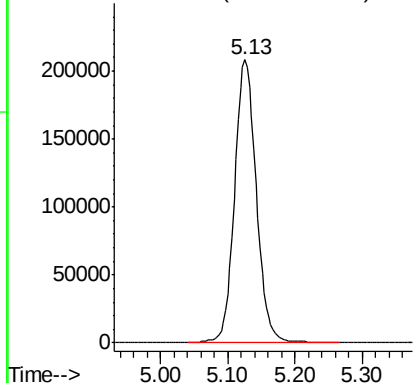
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

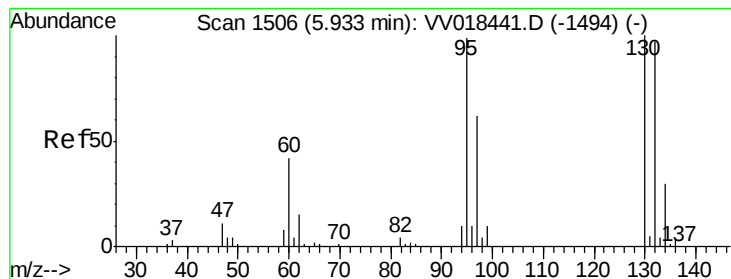


#33
 Benzene
 Concen: 49.148 ug/L
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VV018456.D
 Acq: 25 Sep 2020 15:29
 Tgt Ion: 78 Resp: 466892



Abundance Ion 78.00 (77.70 to 78.70): VV0





#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

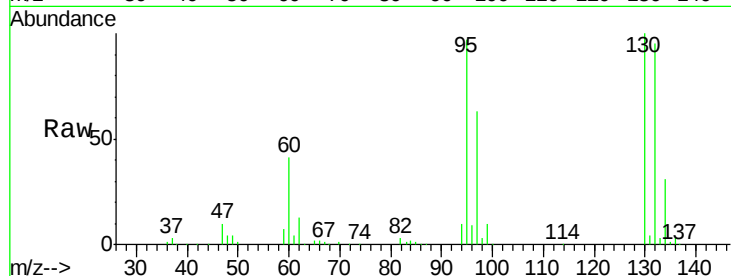
Ion Ratio Lower Upper

95 100

97 64.6 46.3 85.9

132 98.2 68.1 126.5

130 103.0 71.5 132.9

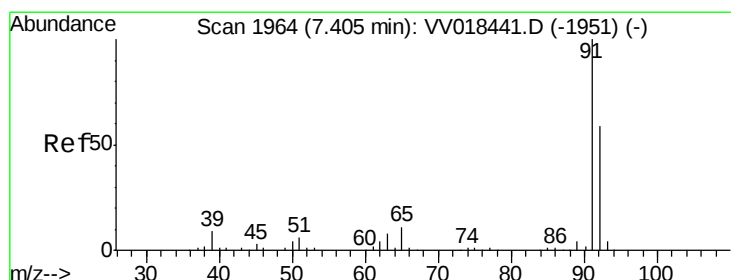
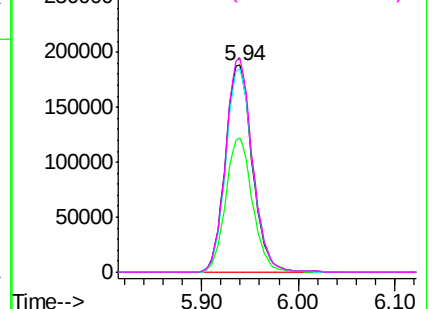
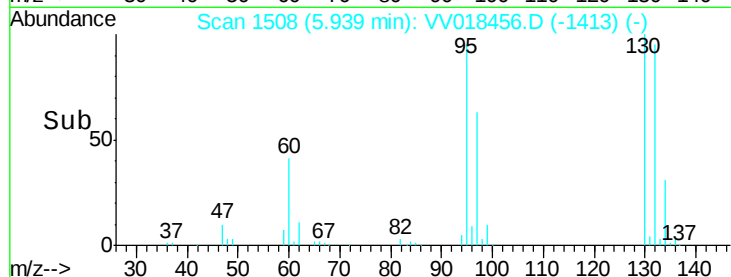


Abundance Ion 95.00 (94.70 to 95.70): VV018441.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV018441.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV018441.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV018441.D (-1494) (-)



#42

Toluene

Concen: 49.416 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018456.D

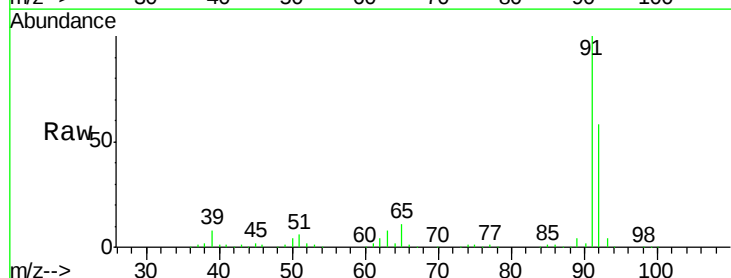
Acq: 25 Sep 2020 15:29

Tgt Ion: 91 Resp: 496794

Ion Ratio Lower Upper

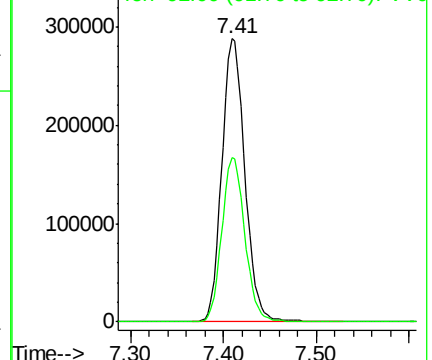
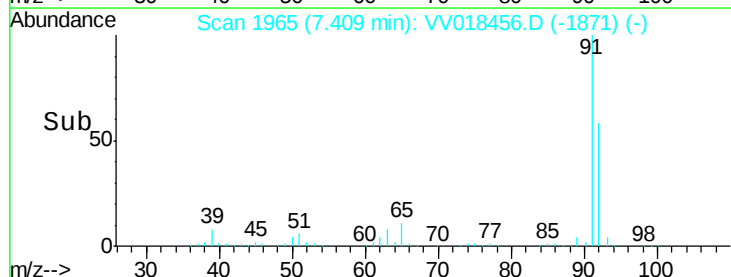
91 100

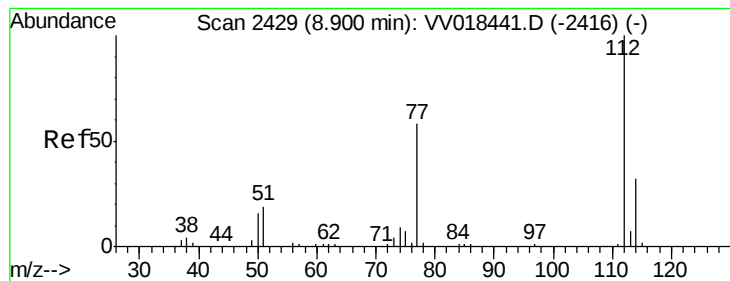
92 58.2 40.7 75.5



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

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





#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

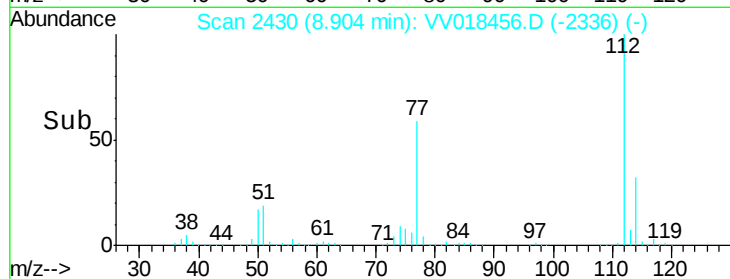
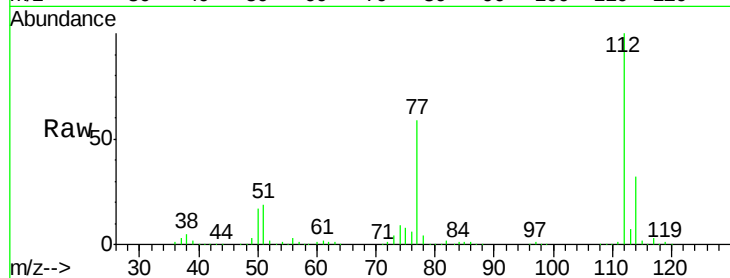
Tot Ion:112 Resp: 322344

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

