

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121019\
 Data File : VU036111.D
 Acq On : 11 Dec 2019 03:21
 Operator : JC/MD
 Sample : K6240-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFQS5

Quant Time: Dec 11 08:21:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 07:30:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	257794	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	276900	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	102724	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	122214	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.93	69	117761	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.59	63	130480	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.70	46	244775	62.52	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.04%
24) Chloroform-d	5.11	84	187886	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	99371	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.77	84	359046	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.73	67	117871	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.60%
41) Toluene-d8	7.93	98	287312	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.22	79	42070	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.68	63	196618	61.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.36%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	108213	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	106480	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

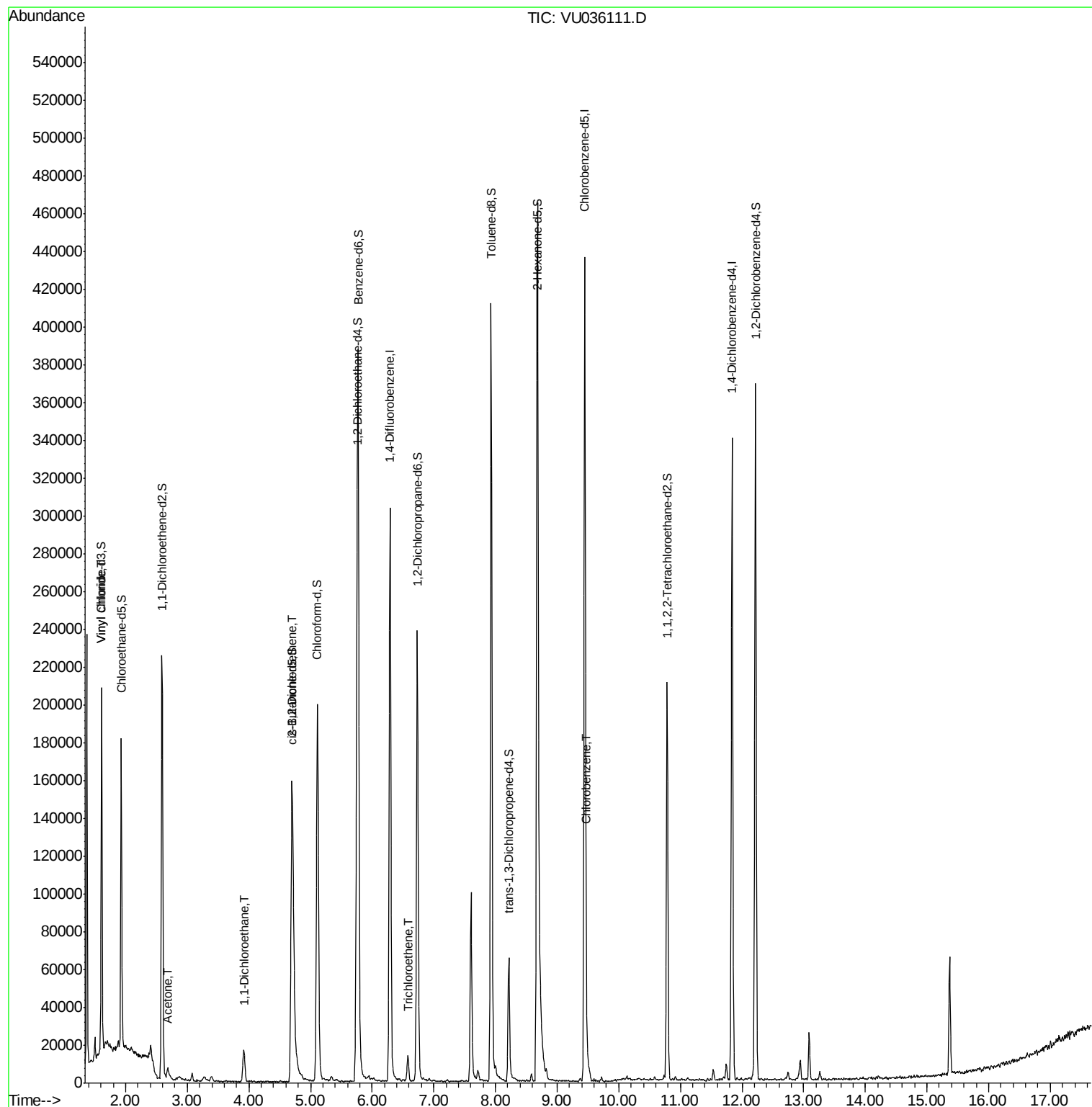
					Ovalue
5) Vinyl chloride	1.62	62	10152	0.393 ug/L	# 25
13) Acetone	2.68	43	8592	1.729 ug/L	90
19) 1,1-Dichloroethane	3.92	63	19864	0.578 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	21842	1.087 ug/L	90
34) Trichloroethene	6.58	95	4192	0.209 ug/L	88
51) Chlorobenzene	9.48	112	4819	0.085 ug/L	91

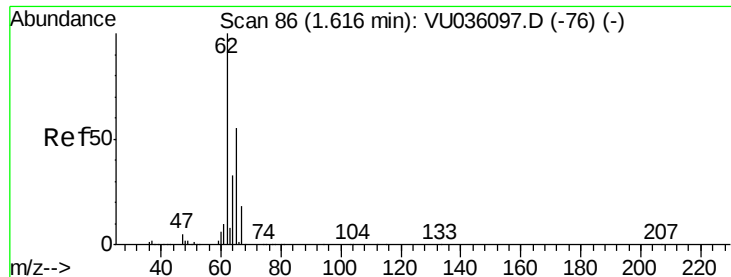
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.393 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036111.D

Acq: 11 Dec 2019 03:21

Instrument :

MSVOA_U

ClientSampleId :

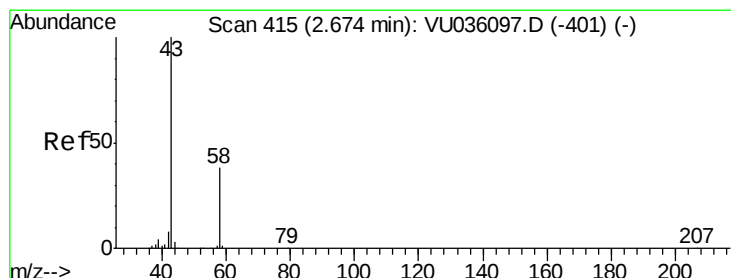
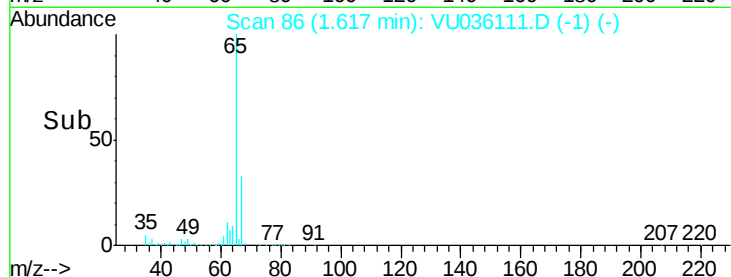
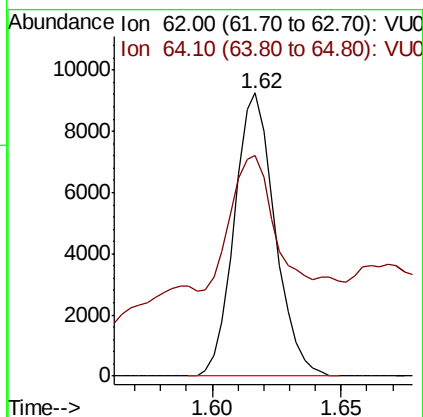
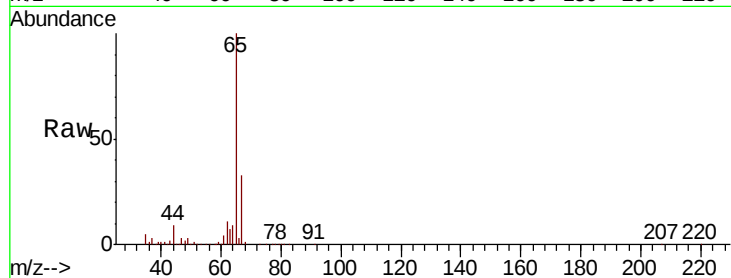
BFQS5

Tot Ion: 62 Resp: 10152

Ion Ratio Lower Upper

62 100

64 77.9 24.3 45.1#



#13

Acetone

Concen: 1.729 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU036111.D

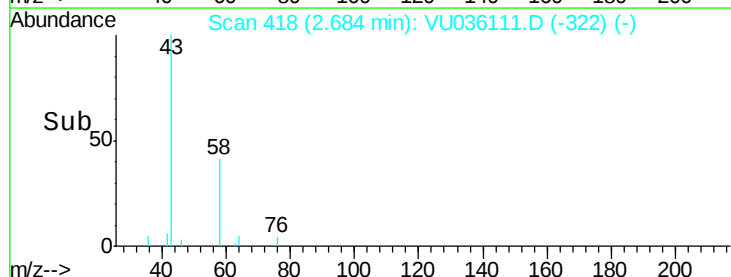
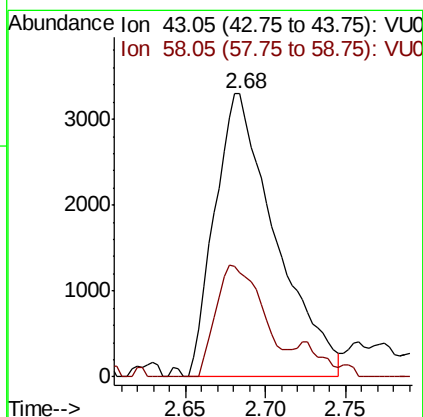
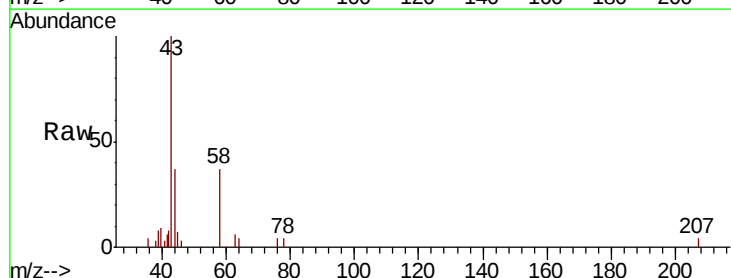
Acq: 11 Dec 2019 03:21

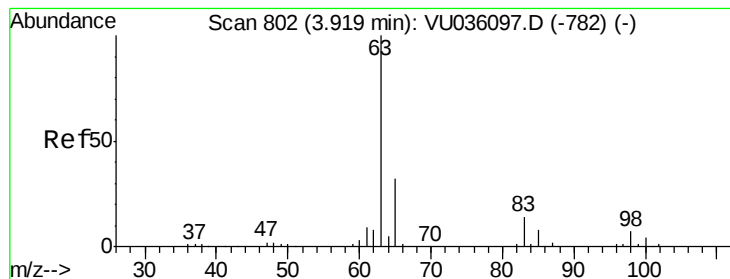
Tgt Ion: 43 Resp: 8592

Ion Ratio Lower Upper

43 100

58 31.2 0.0 74.2





#19

1,1-Dichloroethane

Concen: 0.578 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036111.D

Acq: 11 Dec 2019 03:21

Instrument :

MSVOA_U

ClientSampled :

BFQS5

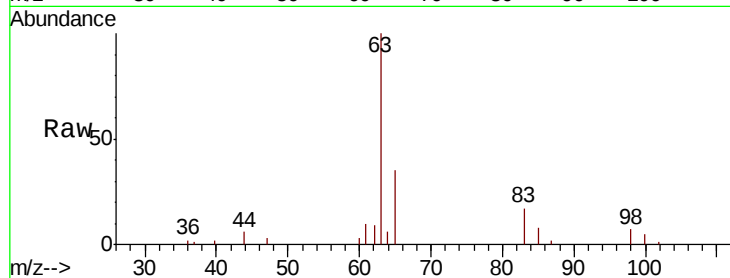
Tot Ion: 63 Resp: 19864

Ion Ratio Lower Upper

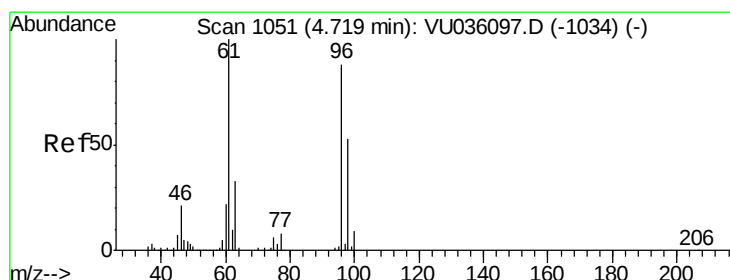
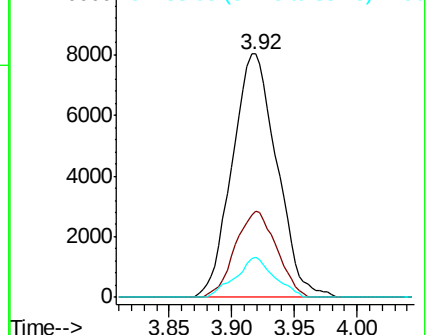
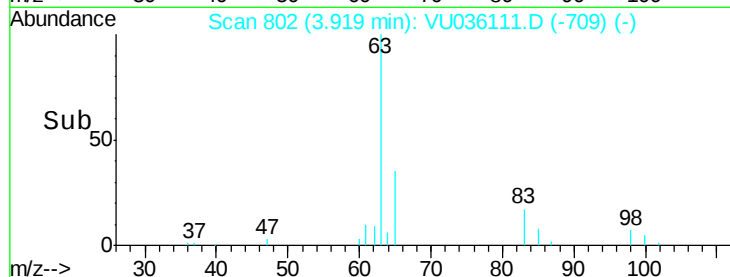
63 100

65 35.2 21.8 40.4

83 16.7 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036111.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.087 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU036111.D

Acq: 11 Dec 2019 03:21

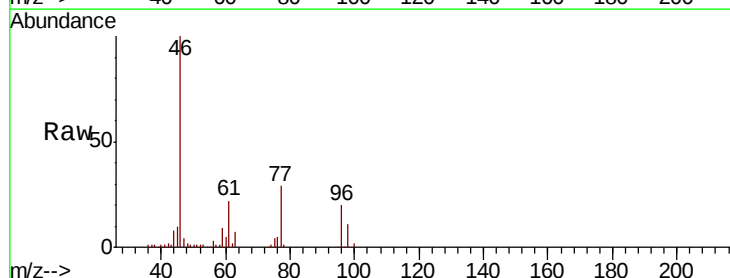
Tgt Ion: 96 Resp: 21842

Ion Ratio Lower Upper

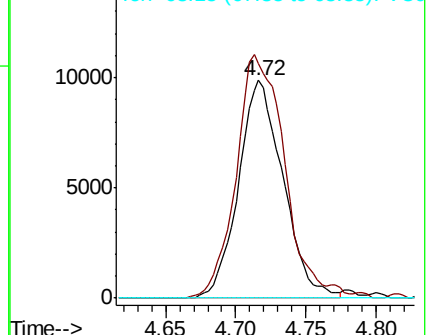
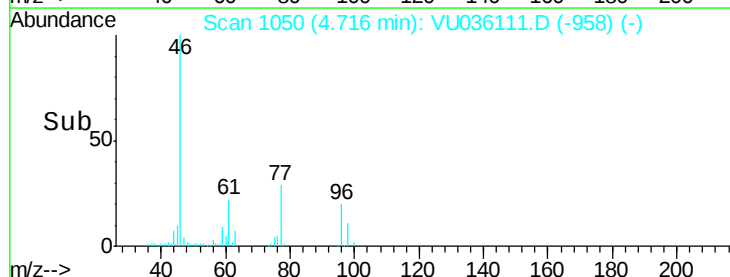
96 100

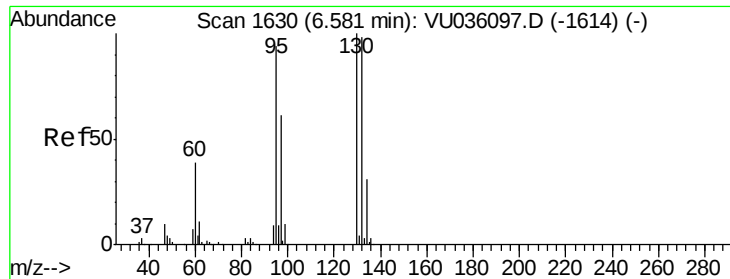
61 107.9 83.0 154.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036111.D (-958) (-)





#34

Trichloroethene

Concen: 0.209 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036111.D

Acq: 11 Dec 2019 03:21

Instrument :

MSVOA_U

ClientSampleId :

BFQS5

Tot Ion: 95 Resp: 4192

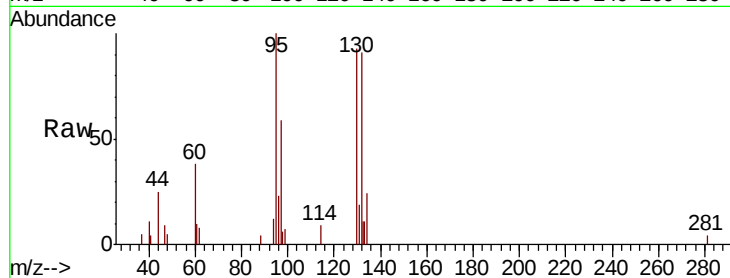
Ion Ratio Lower Upper

95 100

97 59.1 44.4 82.4

132 90.6 73.4 136.4

130 92.8 75.9 141.1

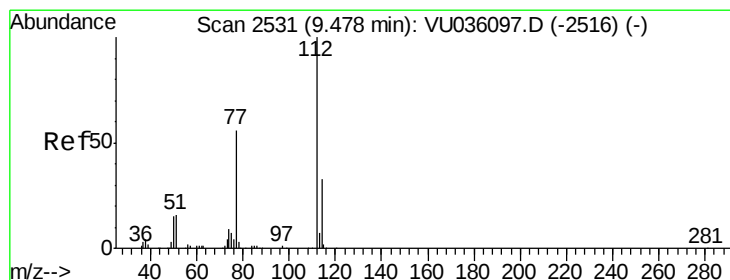
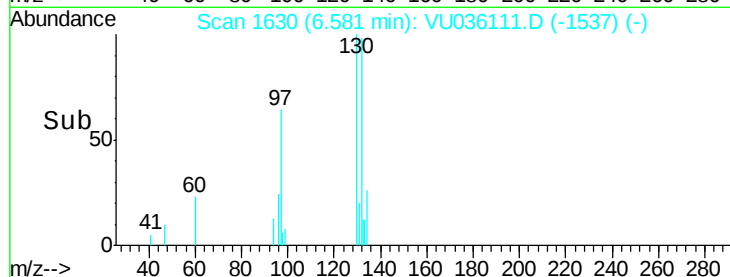
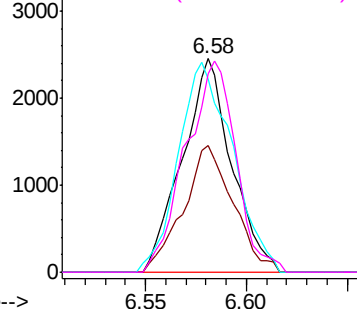


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#51

Chlorobenzene

Concen: 0.085 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU036111.D

Acq: 11 Dec 2019 03:21

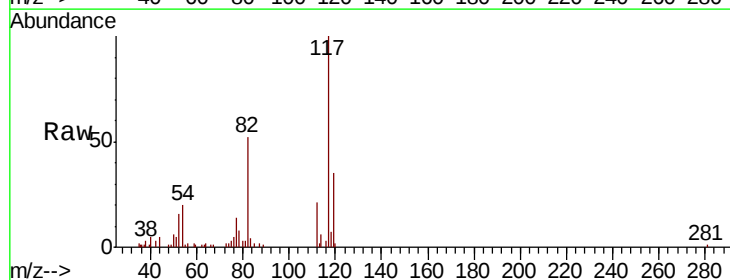
Tgt Ion: 112 Resp: 4819

Ion Ratio Lower Upper

112 100

114 30.1 22.3 41.5

77 63.3 43.8 65.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

