

Data File : VU036055.D
Acq On : 09 Dec 2019 18:28
Operator : JC/MD
Sample : K6105-14DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE33DL

Quant Time: Dec 10 01:51:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	249973	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	273659	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	90675	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101973	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.93	69	124520	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.59	63	137841	3.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.60%
20) 2-Butanone-d5	4.69	46	207871	54.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.50%
24) Chloroform-d	5.11	84	171228	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.75	65	91688	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.77	84	337451	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.73	67	105488	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.93	98	287518	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.21	79	40336	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.68	63	171309	54.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	94589	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	94830	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

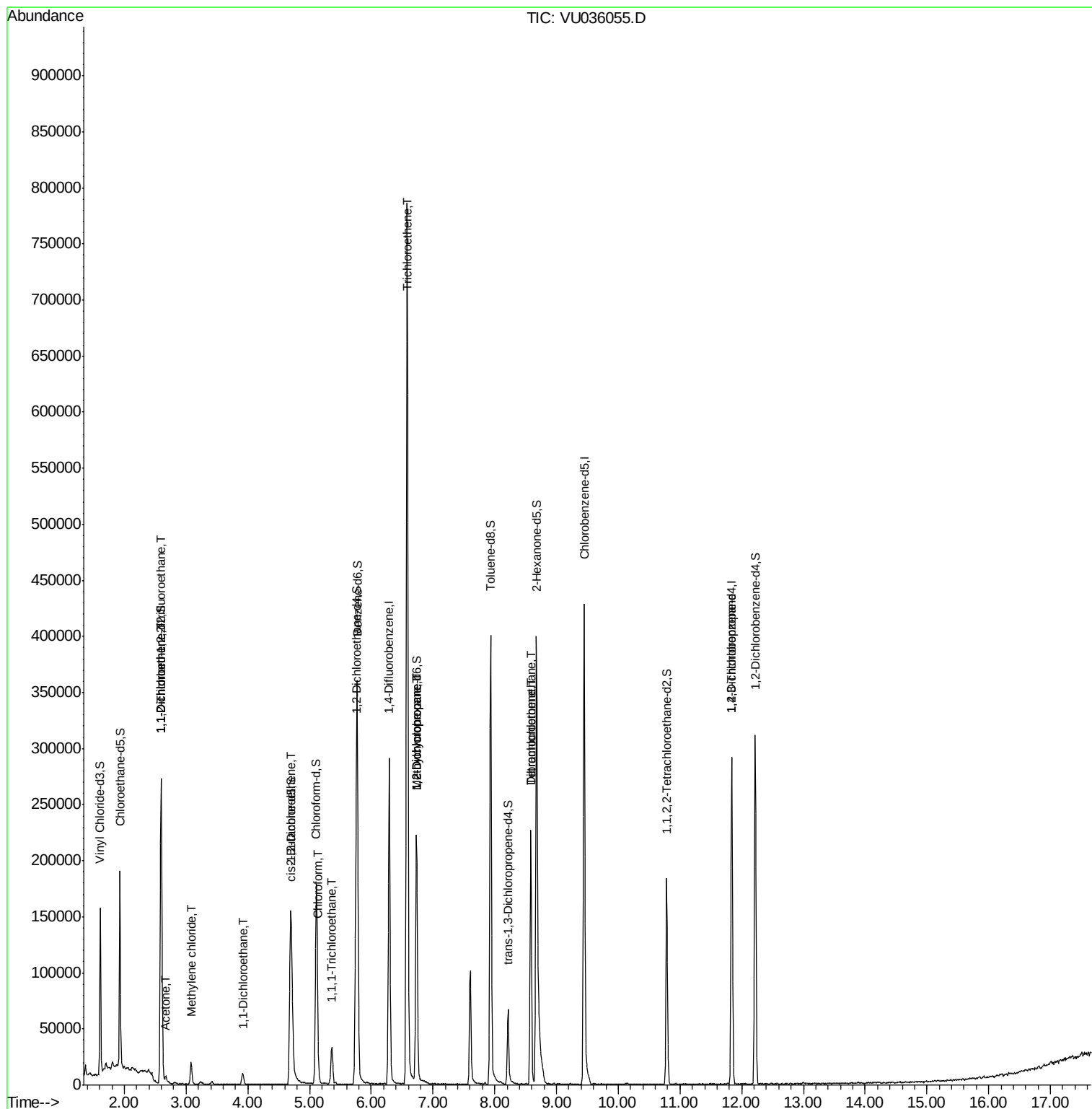
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6122	0.253	ug/L	88
12) 1,1-Dichloroethene	2.61	96	38359	1.764	ug/L #	52
13) Acetone	2.68	43	8249	1.712	ug/L	97
16) Methylene chloride	3.08	84	10469	0.415	ug/L	97
19) 1,1-Dichloroethane	3.92	63	11899	0.357	ug/L	99
22) cis-1,2-Dichloroethene	4.72	96	24285	1.246	ug/L	100
25) Chloroform	5.14	83	7200	0.194	ug/L	95
29) 1,1,1-Trichloroethane	5.36	97	24564	0.796	ug/L	96
34) Trichloroethene	6.58	95	274990	13.848	ug/L	98
35) Methylcyclohexane	6.73	83	24751	0.929	ug/L #	19
37) 1,2-Dichloropropane	6.73	63	11206	0.597	ug/L #	88
47) Tetrachloroethene	8.58	164	54633	2.894	ug/L	99
49) Dibromochloromethane	8.58	129	48805	2.489	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	9780	0.729	ug/L	94

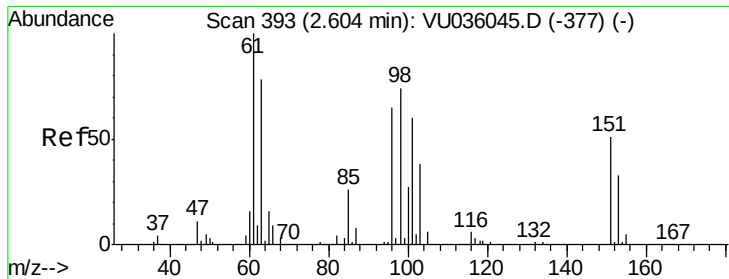
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.253 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

BFE33DL

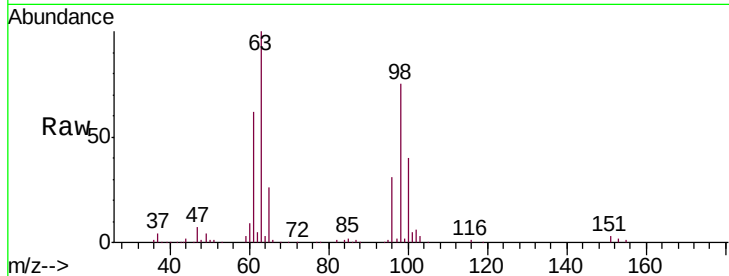
Tgt Ion: 101 Resp: 6122

Ion Ratio Lower Upper

101 100

85 42.2 33.1 49.7

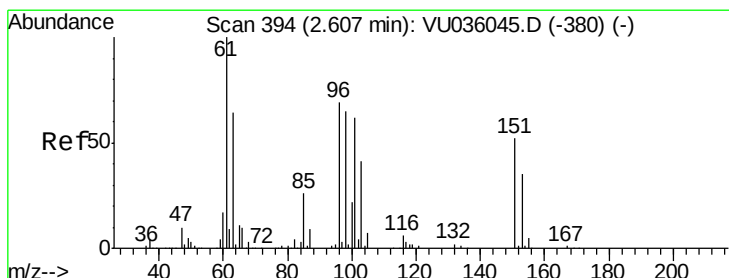
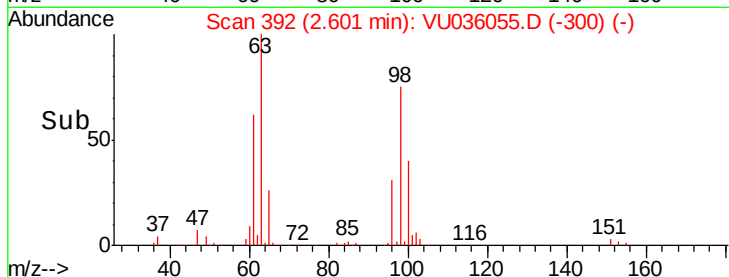
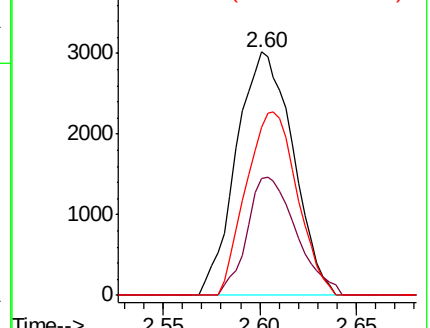
151 68.0 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.764 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

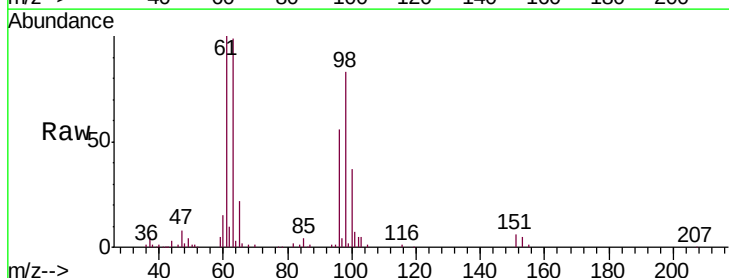
Tgt Ion: 96 Resp: 38359

Ion Ratio Lower Upper

96 100

61 178.8 104.3 193.7

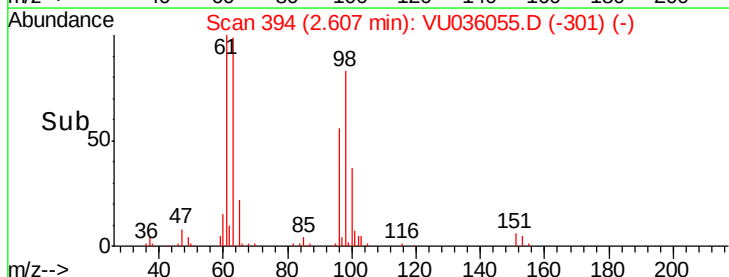
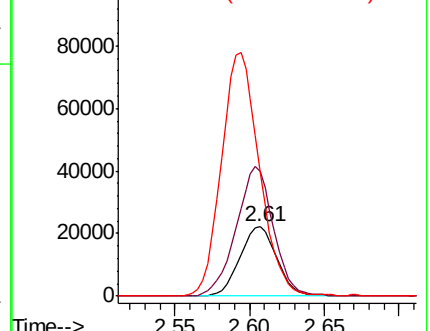
63 177.4 65.6 121.8#

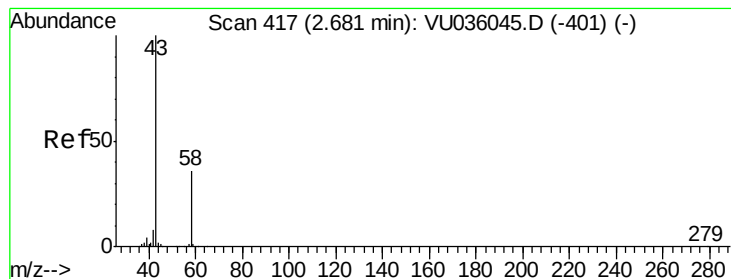


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.712 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

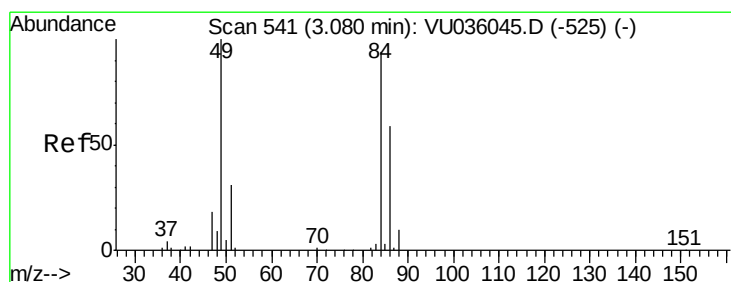
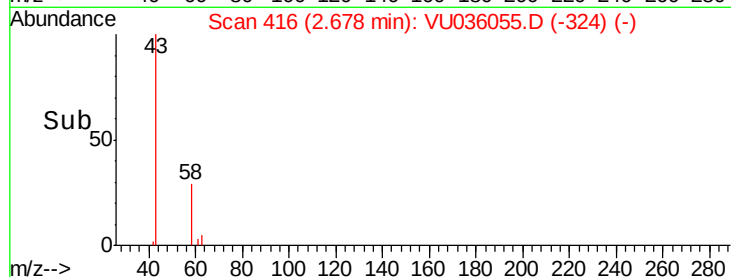
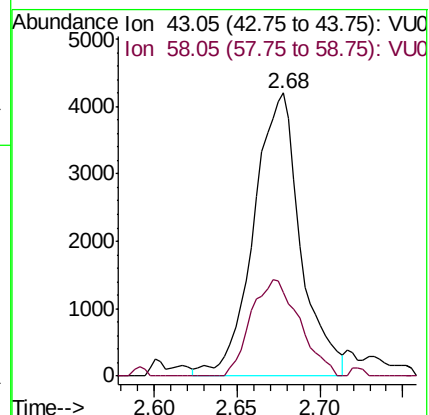
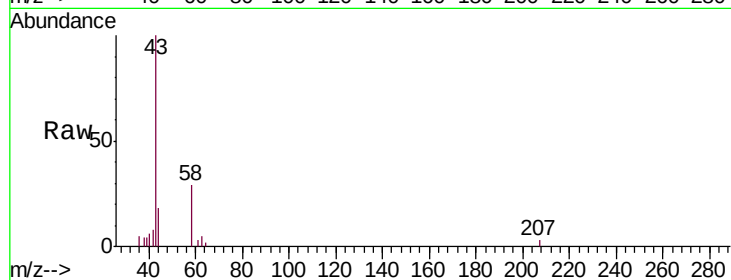
BFE33DL

Tgt Ion: 43 Resp: 8249

Ion Ratio Lower Upper

43 100

58 35.2 0.0 74.2



#16

Methylene chloride

Concen: 0.415 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

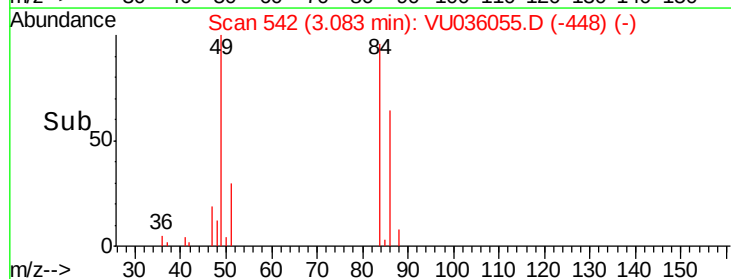
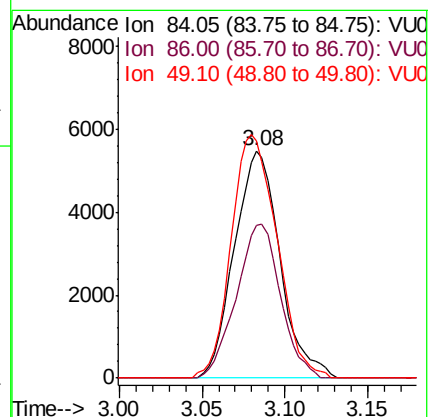
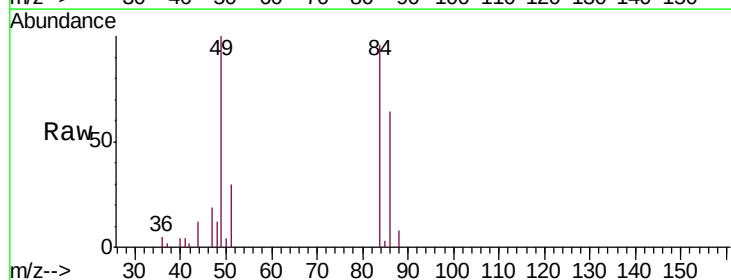
Tgt Ion: 84 Resp: 10469

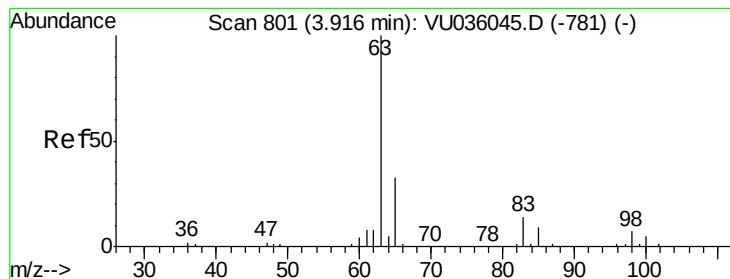
Ion Ratio Lower Upper

84 100

86 67.2 47.5 88.3

49 104.5 76.9 142.9





#19

1,1-Dichloroethane

Concen: 0.357 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

BFE33DL

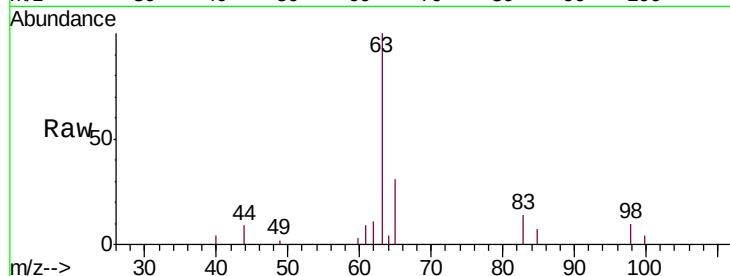
Tgt Ion: 63 Resp: 11899

Ion Ratio Lower Upper

63 100

65 31.5 21.8 40.4

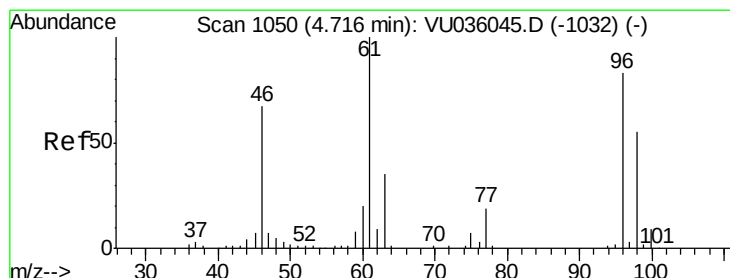
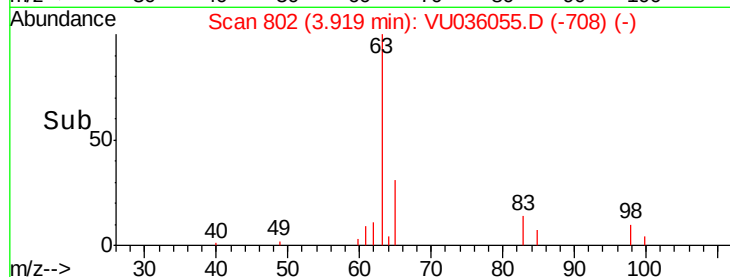
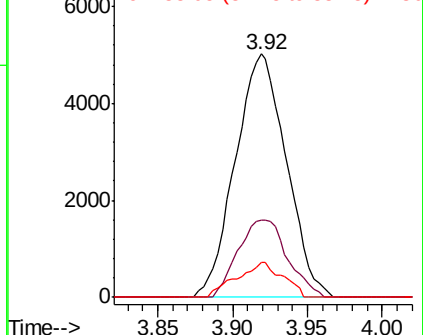
83 14.3 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036045.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU036045.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU036045.D (-781) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.246 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

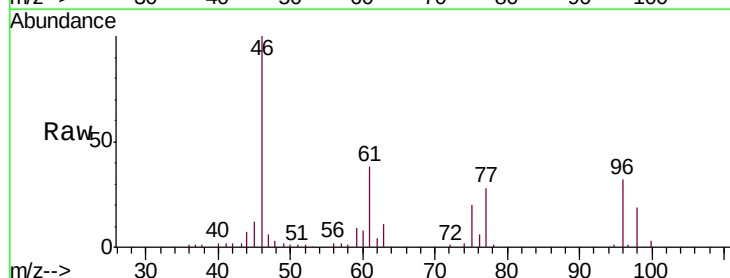
Tgt Ion: 96 Resp: 24285

Ion Ratio Lower Upper

96 100

61 119.1 83.0 154.2

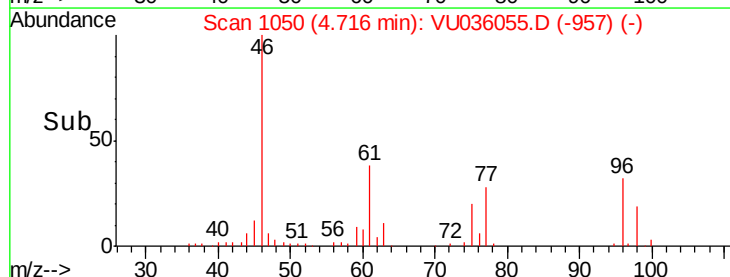
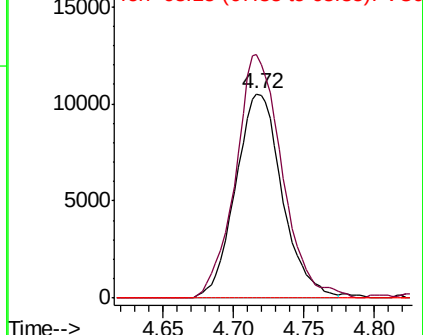
68 0.0 0.0 0.0

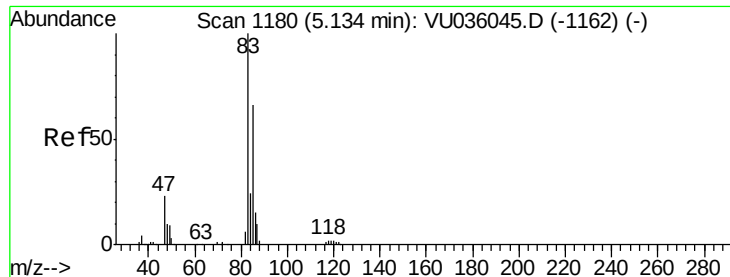


Abundance Ion 96.00 (95.70 to 96.70): VU036045.D (-1032) (-)

Ion 61.05 (60.75 to 61.75): VU036045.D (-1032) (-)

Ion 68.15 (67.85 to 68.85): VU036045.D (-1032) (-)

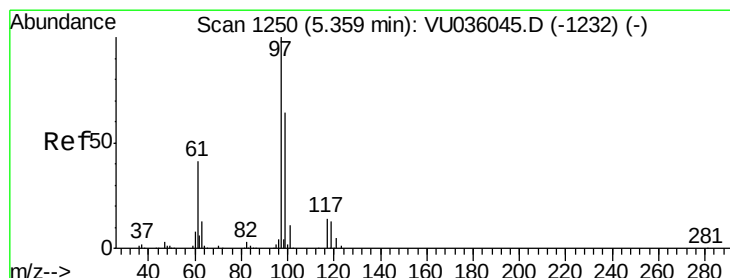
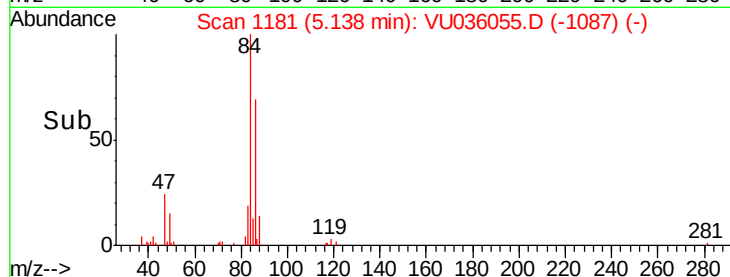
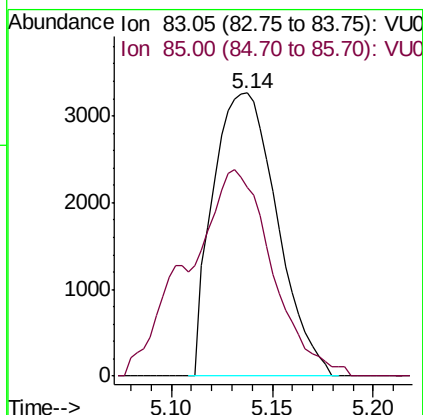
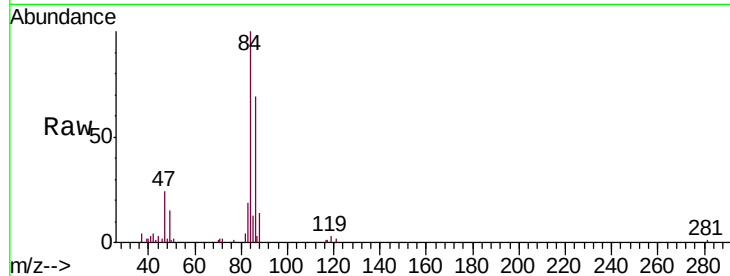




#25
Chloroform
Concen: 0.194 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036055.D
Acq: 09 Dec 2019 18:28

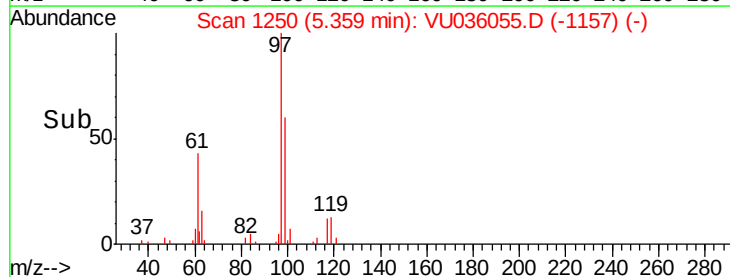
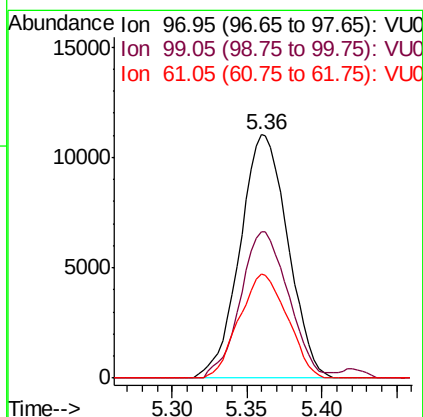
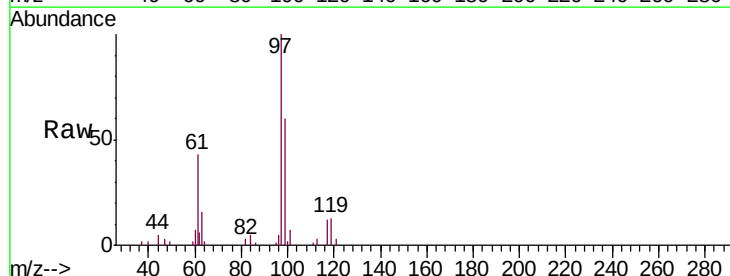
Instrument :
MSVOA_U
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BFE33DL

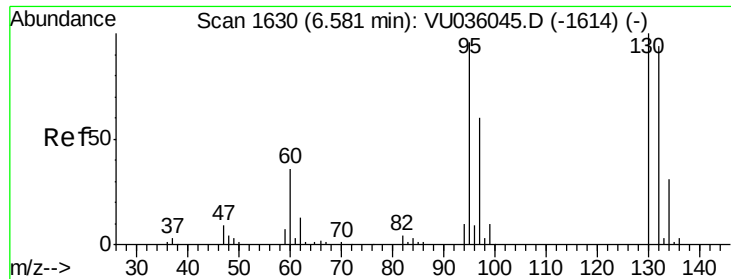
Tgt Ion: 83 Resp: 7200
Ion Ratio Lower Upper
83 100
85 66.7 43.9 81.5



#29
1,1,1-Trichloroethane
Concen: 0.796 ug/L
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036055.D
Acq: 09 Dec 2019 18:28

Tgt Ion: 97 Resp: 24564
Ion Ratio Lower Upper
97 100
99 60.3 52.2 78.2
61 42.8 34.7 52.1





#34

Trichloroethene

Concen: 13.848 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

BFE33DL

Tgt Ion: 95 Resp: 274990

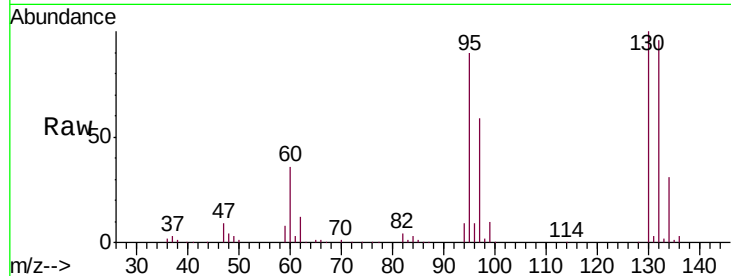
Ion Ratio Lower Upper

95 100

97 65.8 44.4 82.4

132 106.2 73.4 136.4

130 110.8 75.9 141.1

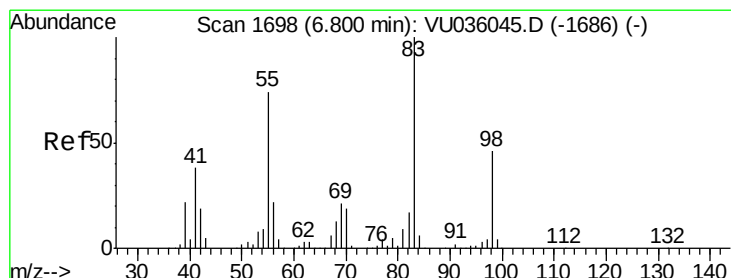
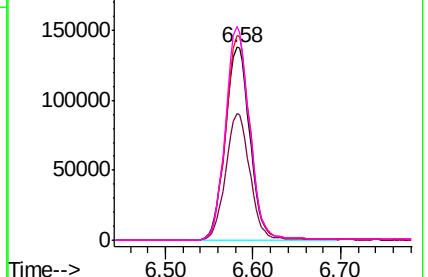
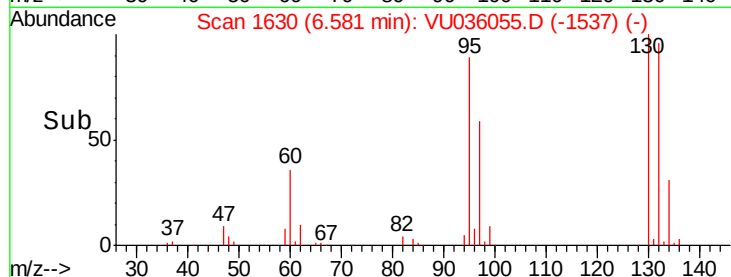


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 0.929 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

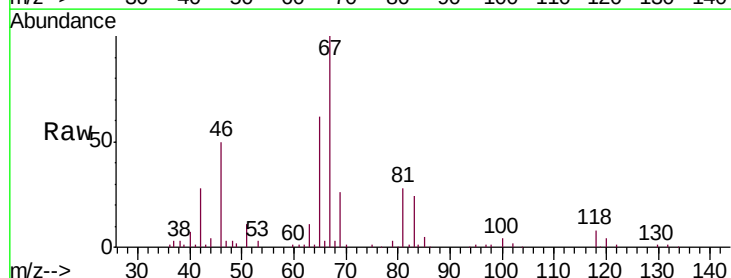
Tgt Ion: 83 Resp: 24751

Ion Ratio Lower Upper

83 100

55 0.3 62.1 93.1#

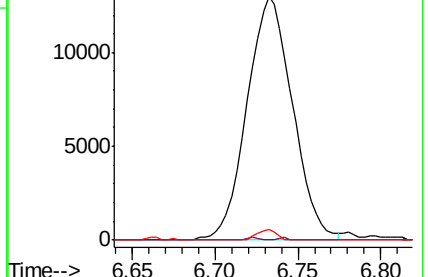
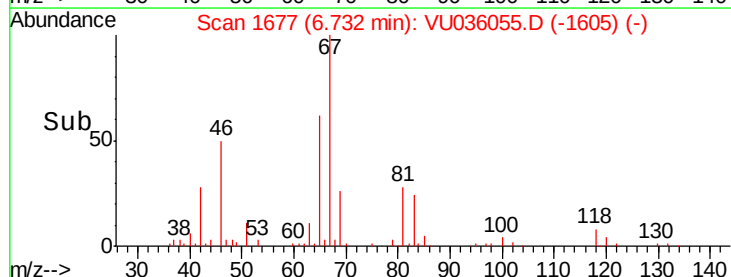
98 1.8 37.0 55.4#

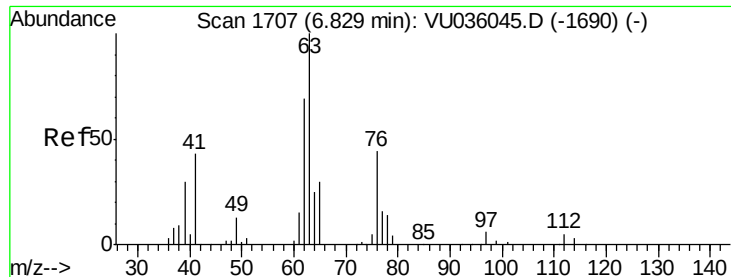


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.597 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

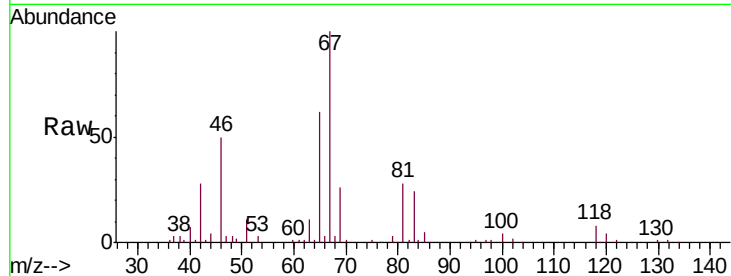
BFE33DL

Tgt Ion: 63 Resp: 11206

Ion Ratio Lower Upper

63 100

112 0.9 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036045.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU036045.D (-1690) (-)

6.73

6000

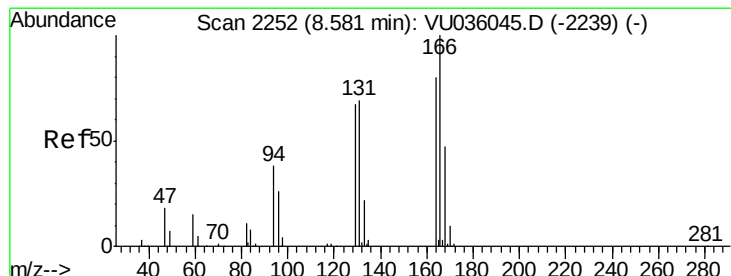
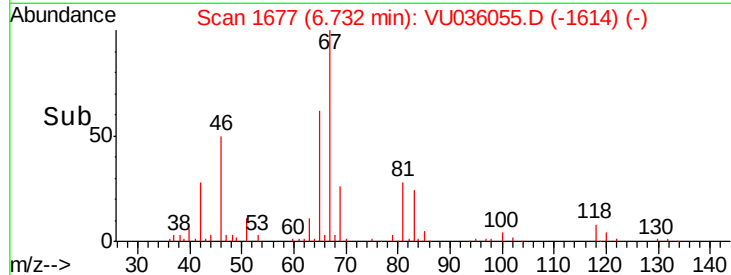
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#47

Tetrachloroethene

Concen: 2.894 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Tgt Ion: 164 Resp: 54633

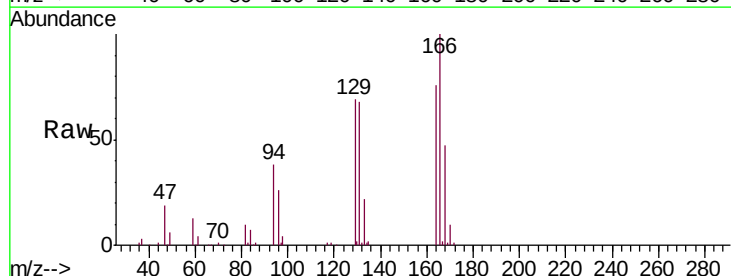
Ion Ratio Lower Upper

164 100

129 90.4 63.1 117.3

131 88.6 61.5 114.1

166 130.7 91.0 169.0



Abundance Ion 163.90 (163.60 to 164.60): VU036045.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU036045.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU036045.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU036045.D (-2239) (-)

8.58

60000

50000

40000

30000

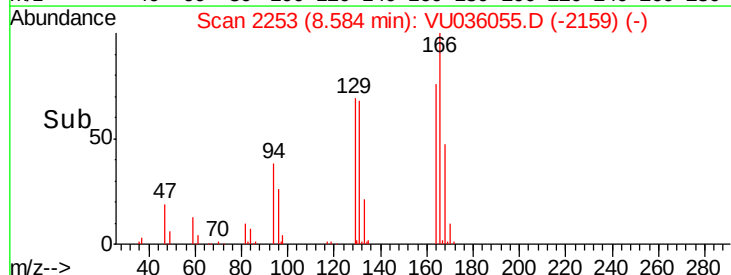
20000

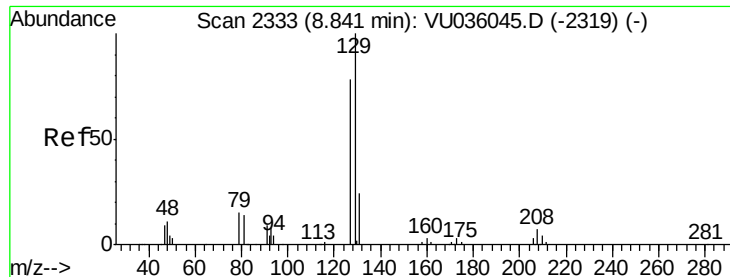
10000

0

8.50 8.55 8.60 8.65

Time-->





#49

Dibromochloromethane

Concen: 2.489 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036055.D

Acq: 09 Dec 2019 18:28

Instrument :

MSVOA_U

ClientSampleId :

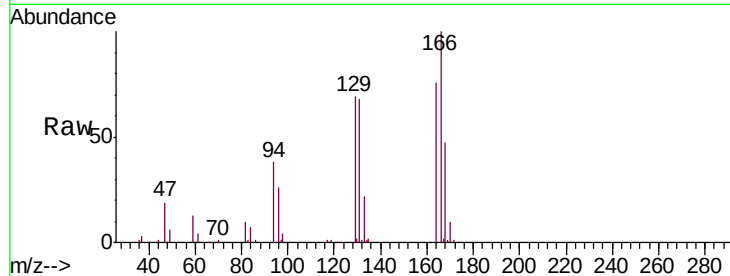
BFE33DL

Tgt Ion:129 Resp: 48805

Ion Ratio Lower Upper

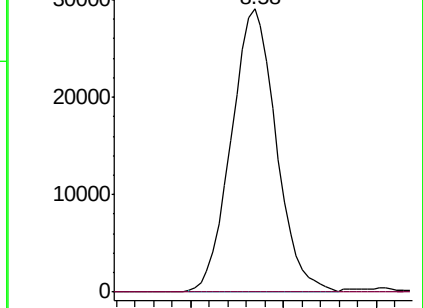
129 100

127 0.0 52.5 97.5#

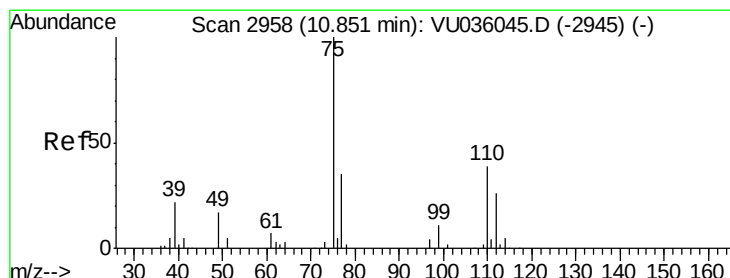
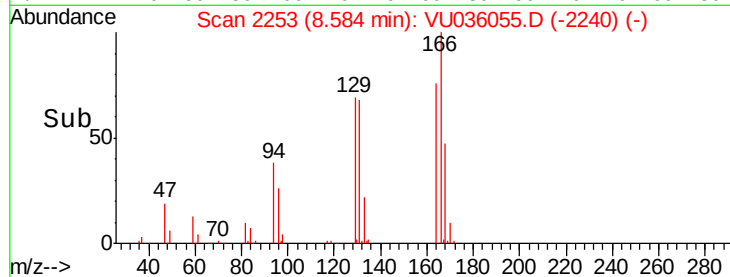


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 0.729 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036055.D

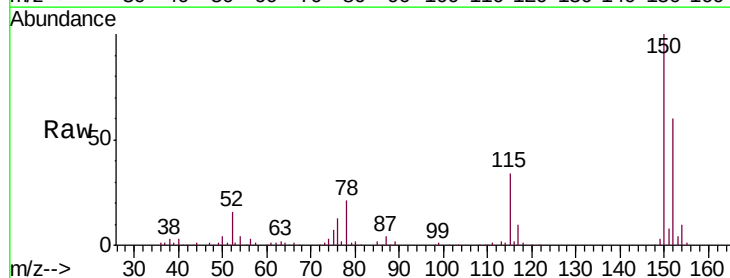
Acq: 09 Dec 2019 18:28

Tgt Ion: 75 Resp: 9780

Ion Ratio Lower Upper

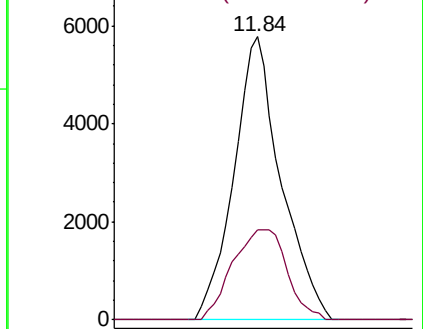
75 100

77 36.9 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->

