

Data File : VU036135.D
Acq On : 11 Dec 2019 16:00
Operator : JC/MD
Sample : K6168-13DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE46DL

Quant Time: Dec 12 06:15:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 12 06:08:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	304529	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	339215	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	105934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131649	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.93	69	126288	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	172099	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.69	46	266984	57.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.44%
24) Chloroform-d	5.11	84	209700	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	111592	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.77	84	394060	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.73	67	132823	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.93	98	319890	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.21	79	48559	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.68	63	208467	53.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.78%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	116005	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	103497	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.61	96	72568	2.739 ug/L #	81
13) Acetone	2.67	43	19427	3.309 ug/L	98
16) Methylene chloride	3.08	84	8804	0.286 ug/L	92
19) 1,1-Dichloroethane	3.92	63	49447	1.218 ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	16983	0.716 ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	11070	0.290 ug/L	96
34) Trichloroethene	6.58	95	212747	8.643 ug/L	99
35) Methylcyclohexane	6.73	83	31052	0.940 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	14520	0.624 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	3201	0.101 ug/L #	70
47) Tetrachloroethene	8.58	164	43342	1.852 ug/L	96
48) 2-Hexanone	8.68	43	20986	2.408 ug/L #	70
49) Dibromochloromethane	8.58	129	37596	1.547 ug/L #	13
59) 1,2,3-Trichloropropane	11.84	75	11679	0.703 ug/L #	88

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

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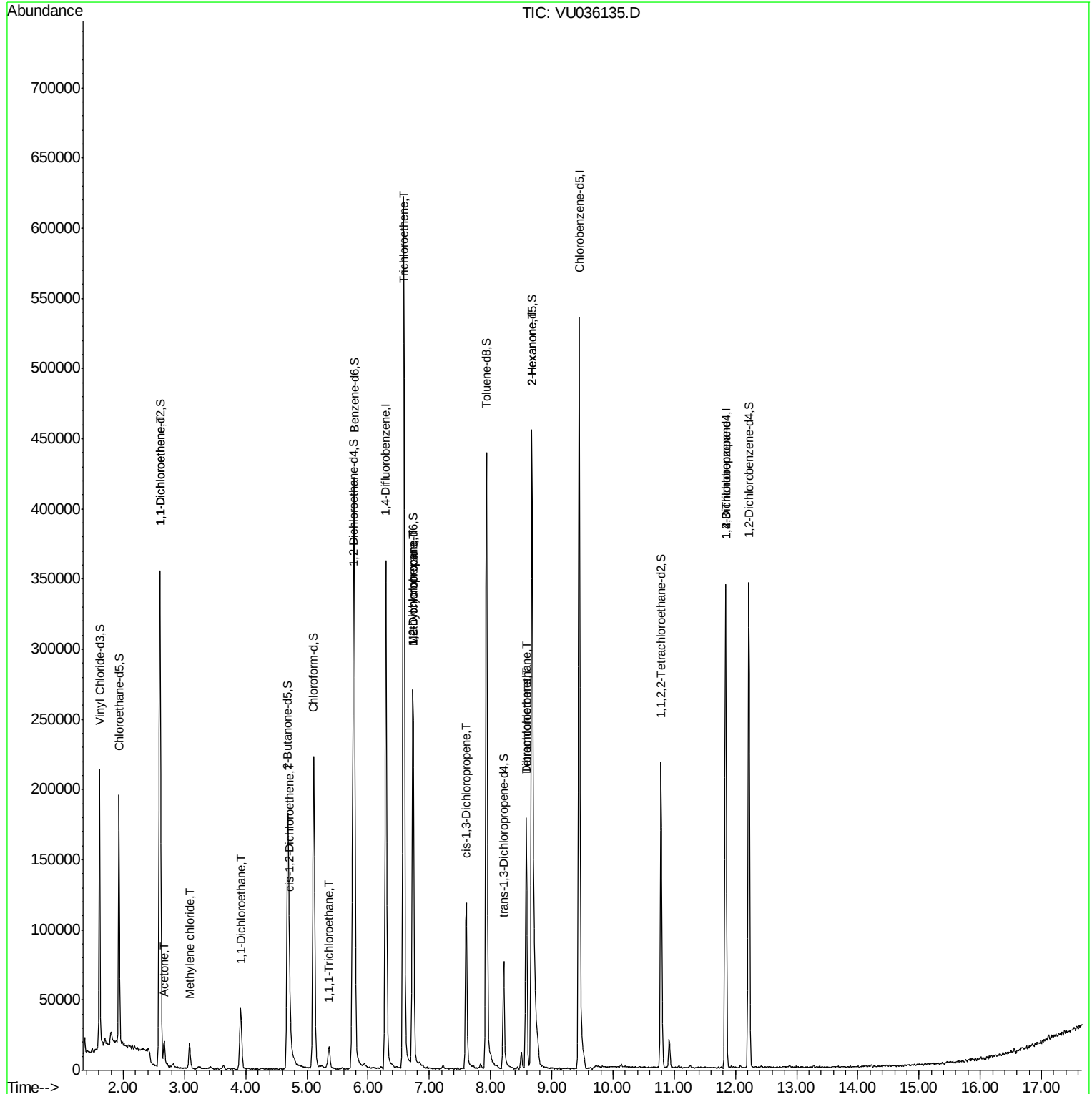
Quant Time: Dec 12 06:15:46 2019

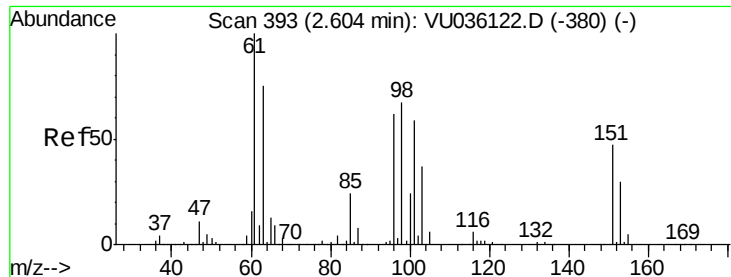
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Dec 12 06:08:55 2019

Response via : Initial Calibration

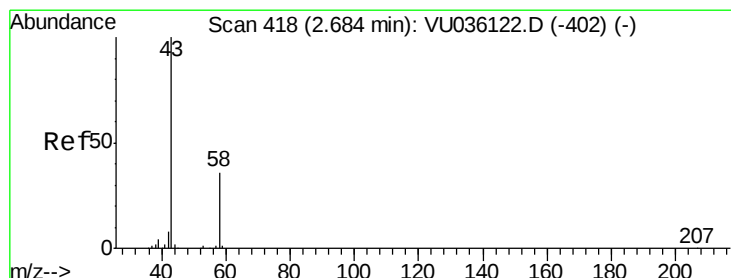
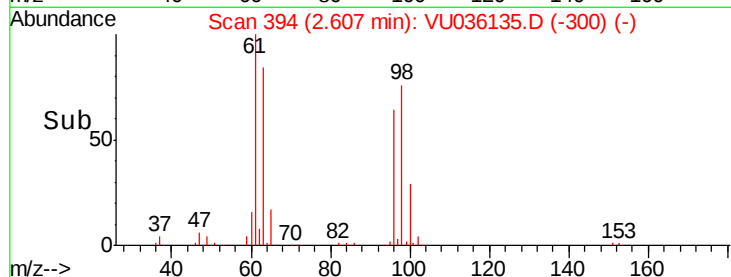
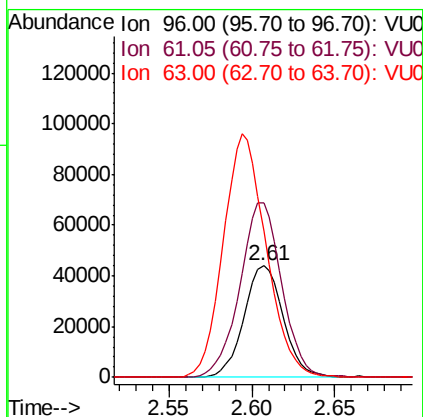
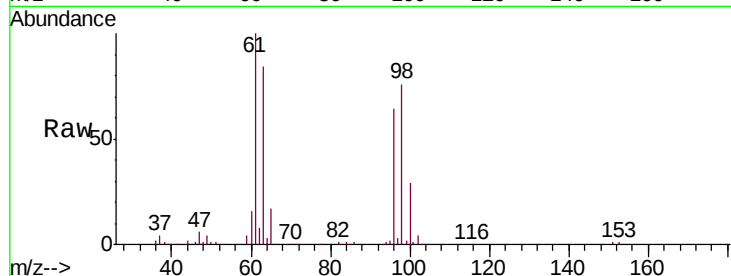




#12
 1,1-Dichloroethene
 Concen: 2.739 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. 0.00 min
 Lab File: VU036135.D
 Acq: 11 Dec 2019 16:00

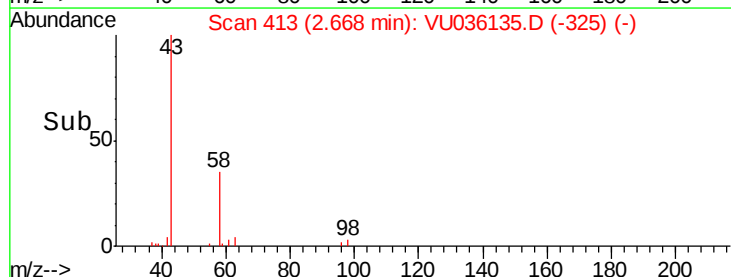
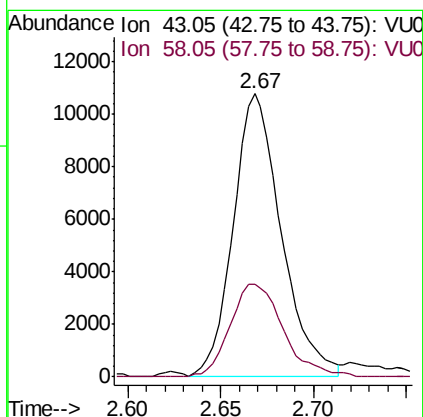
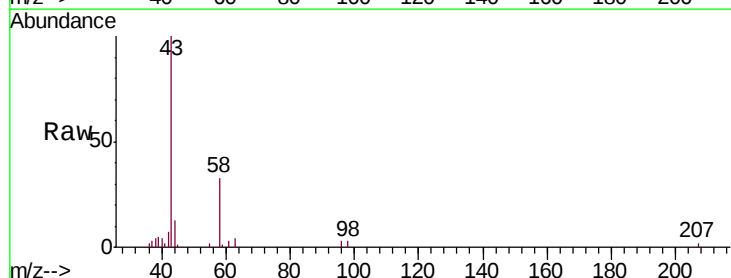
Instrument :
 MSVOA_U
 ClientSampleId :
 BFE46DL

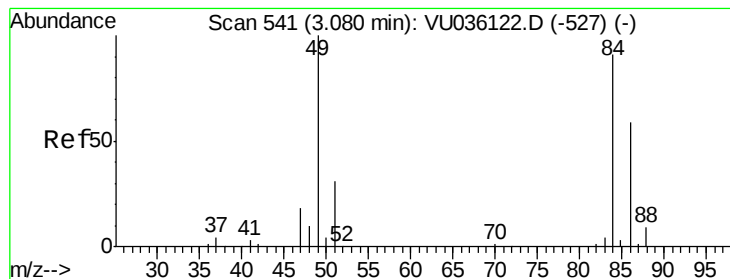
Tgt Ion: 96 Resp: 72568
 Ion Ratio Lower Upper
 96 100
 61 156.2 104.3 193.7
 63 131.3 65.6 121.8#



#13
 Acetone
 Concen: 3.309 ug/L
 RT: 2.67 min Scan# 413
 Delta R.T. -0.02 min
 Lab File: VU036135.D
 Acq: 11 Dec 2019 16:00

Tgt Ion: 43 Resp: 19427
 Ion Ratio Lower Upper
 43 100
 58 36.2 0.0 74.2





#16

Methylene chloride

Concen: 0.286 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

BFE46DL

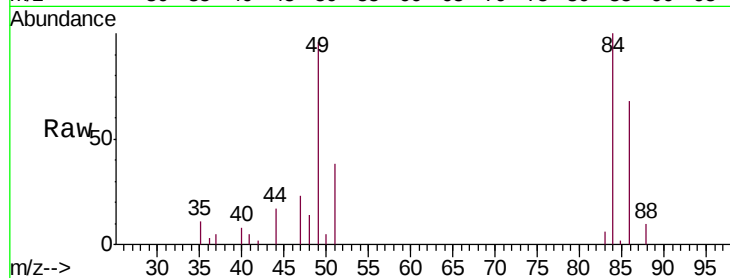
Tgt Ion: 84 Resp: 8804

Ion Ratio Lower Upper

84 100

86 68.2 47.5 88.3

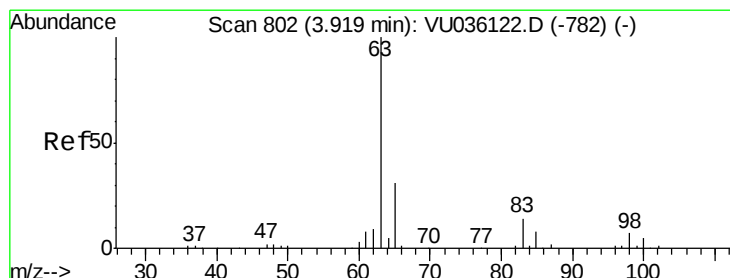
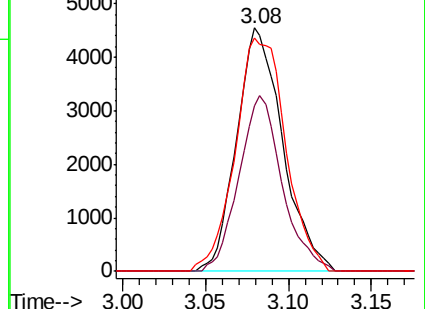
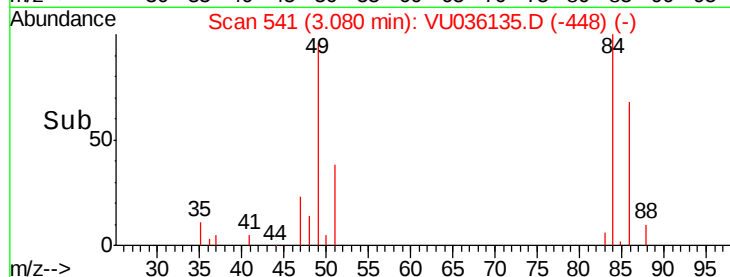
49 95.6 76.9 142.9



Abundance Ion 84.05 (83.75 to 84.75): VU036135.D (-448) (-)

Ion 86.00 (85.70 to 86.70): VU036135.D (-448) (-)

Ion 49.10 (48.80 to 49.80): VU036135.D (-448) (-)



#19

1,1-Dichloroethane

Concen: 1.218 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

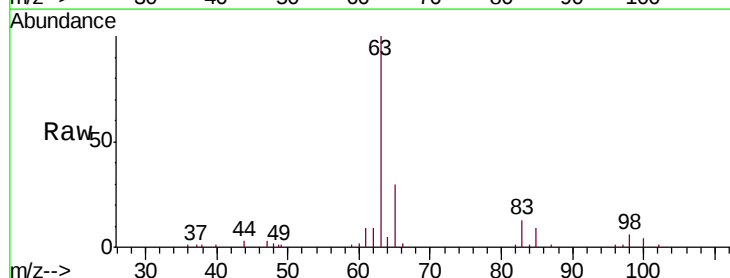
Tgt Ion: 63 Resp: 49447

Ion Ratio Lower Upper

63 100

65 29.5 21.8 40.4

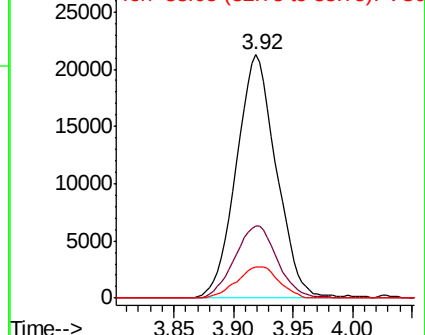
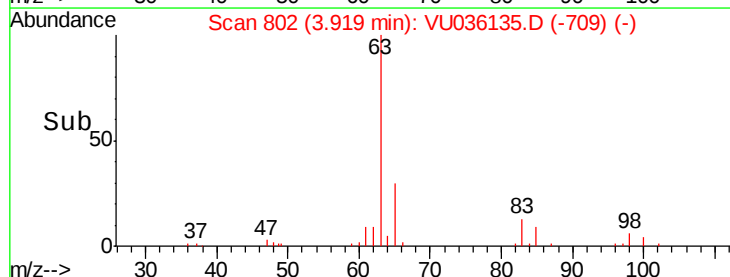
83 13.0 10.1 18.9

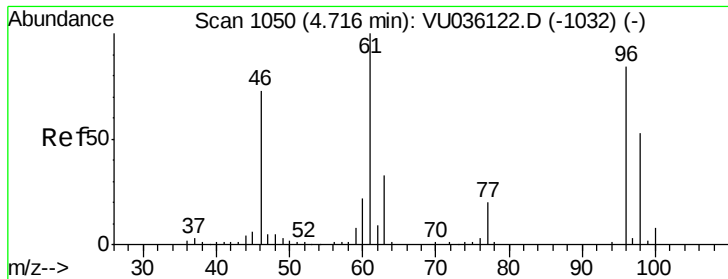


Abundance Ion 63.10 (62.80 to 63.80): VU036135.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036135.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036135.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.716 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

BFE46DL

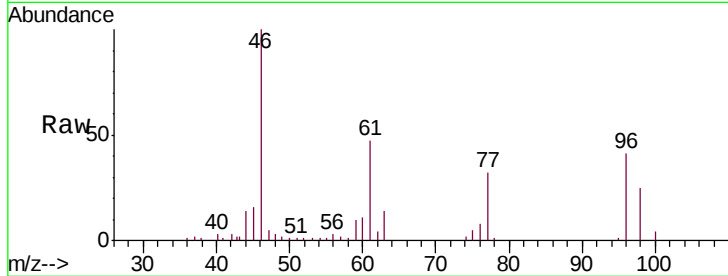
Tgt Ion: 96 Resp: 16983

Ion Ratio Lower Upper

96 100

61 114.2 83.0 154.2

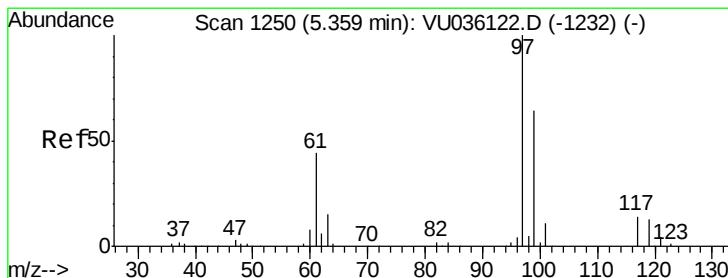
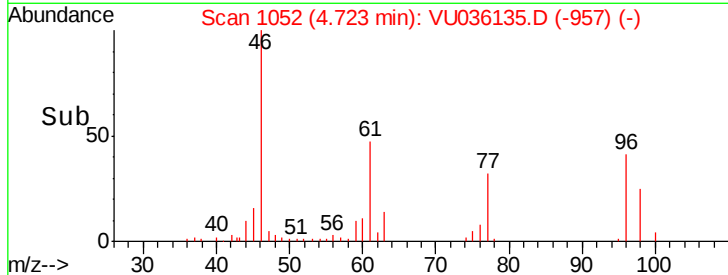
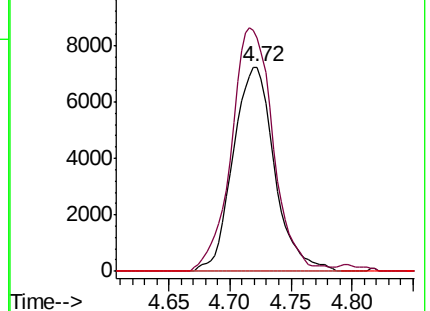
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036135.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036135.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036135.D (-957) (-)



#29

1,1,1-Trichloroethane

Concen: 0.290 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

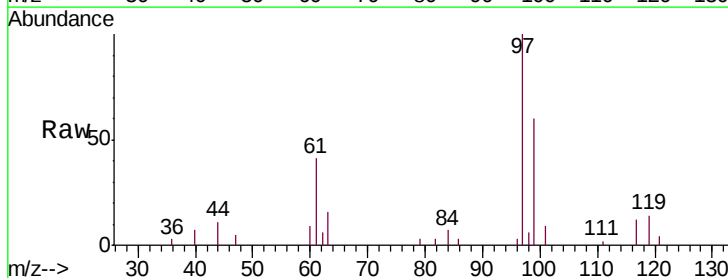
Tgt Ion: 97 Resp: 11070

Ion Ratio Lower Upper

97 100

99 61.9 52.2 78.2

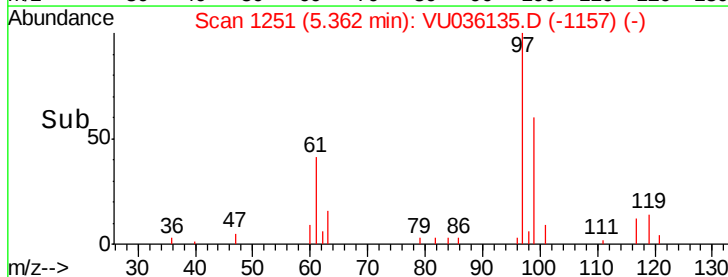
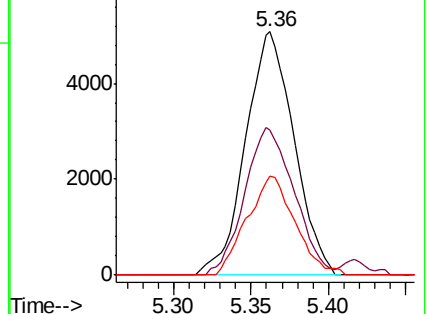
61 40.3 34.7 52.1

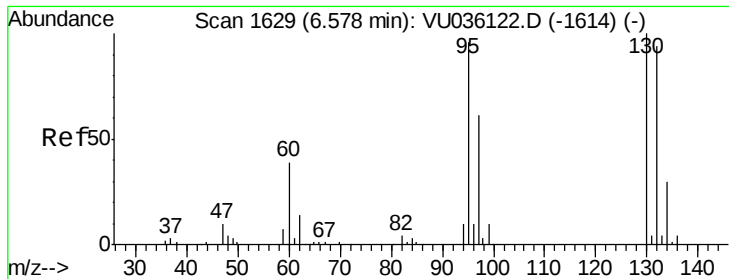


Abundance Ion 96.95 (96.65 to 97.65): VU036135.D (-1157) (-)

Ion 99.05 (98.75 to 99.75): VU036135.D (-1157) (-)

Ion 61.05 (60.75 to 61.75): VU036135.D (-1157) (-)

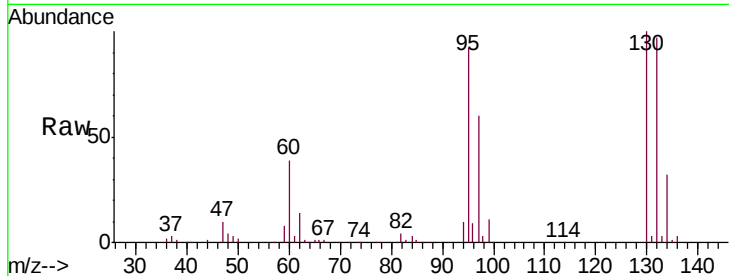




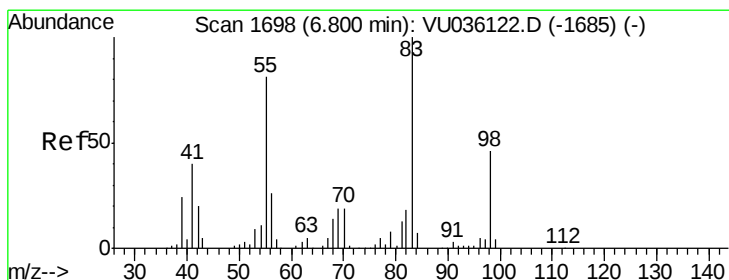
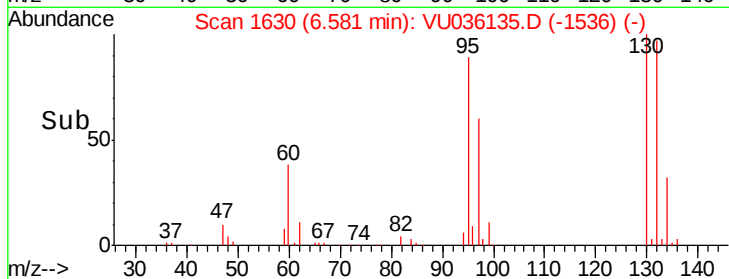
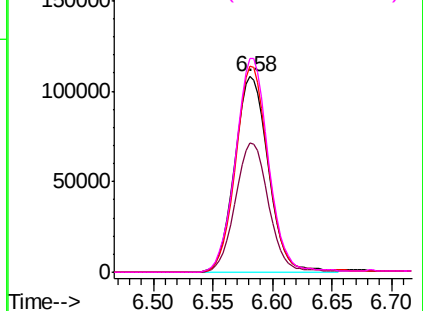
#34
 Trichloroethene
 Concen: 8.643 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036135.D
 Acq: 11 Dec 2019 16:00

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE46DL

Tgt Ion: 95 Resp: 212747
 Ion Ratio Lower Upper
 95 100
 97 66.0 44.4 82.4
 132 105.6 73.4 136.4
 130 109.3 75.9 141.1

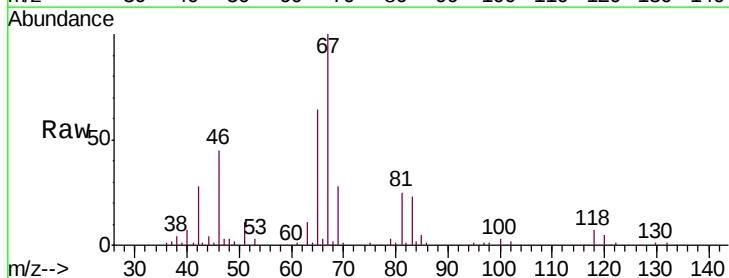


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

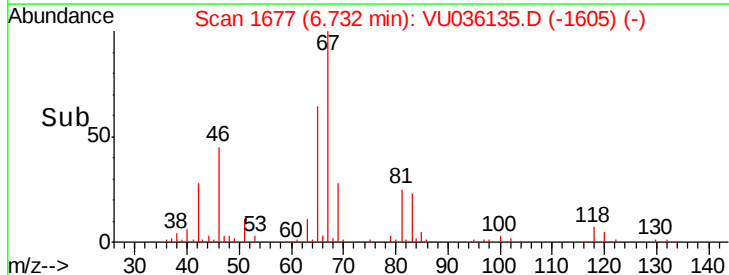
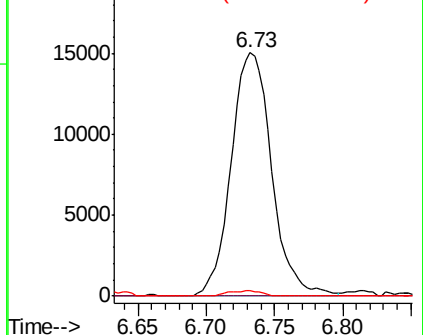


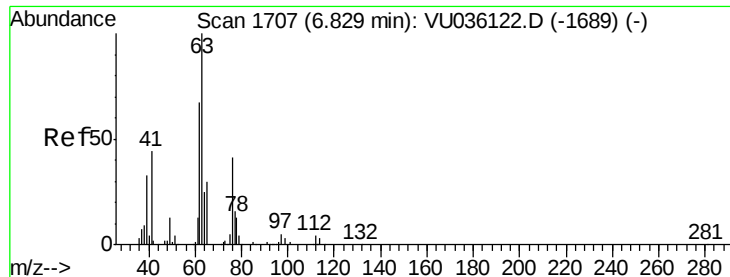
#35
 Methylcyclohexane
 Concen: 0.940 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU036135.D
 Acq: 11 Dec 2019 16:00

Tgt Ion: 83 Resp: 31052
 Ion Ratio Lower Upper
 83 100
 55 0.0 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

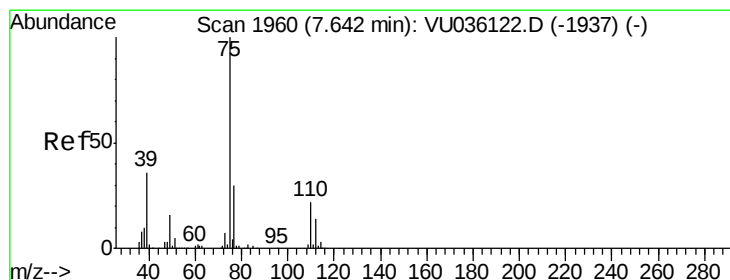
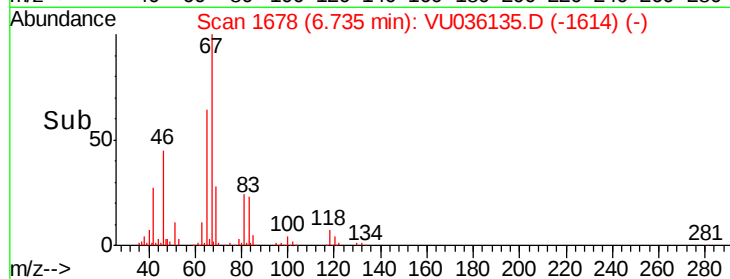
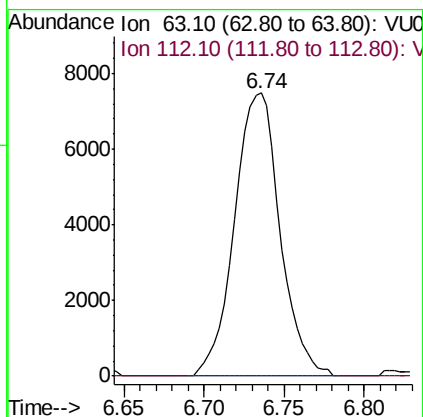
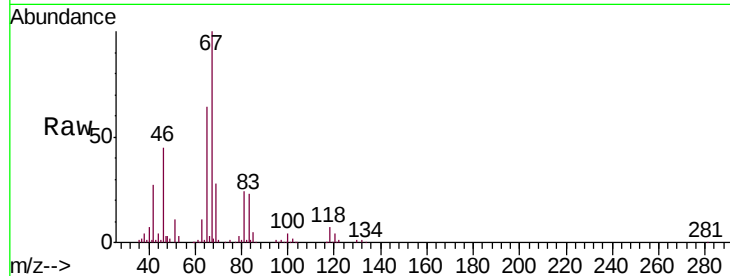




#37
 1,2-Dichloropropane
 Concen: 0.624 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.09 min
 Lab File: VU036135.D
 Acq: 11 Dec 2019 16:00

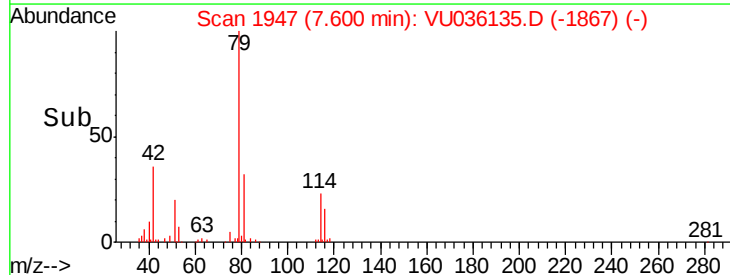
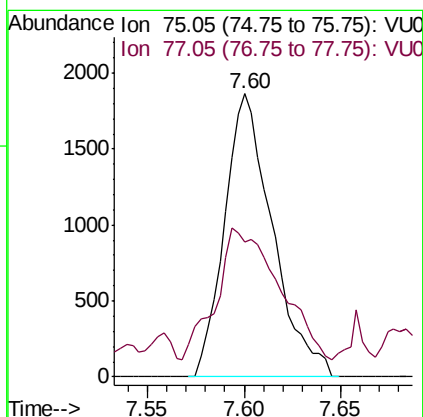
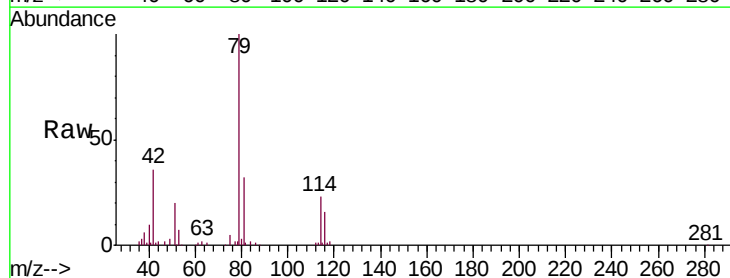
Instrument :
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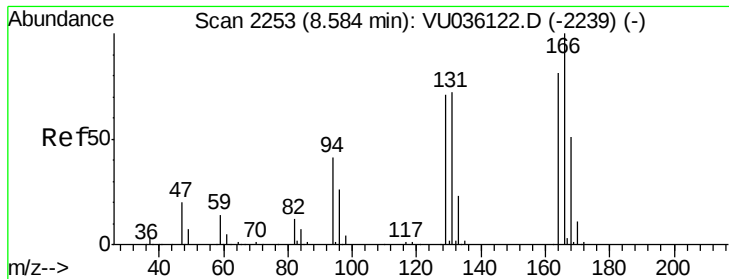
Tgt Ion: 63 Resp: 14520
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036135.D
 Acq: 11 Dec 2019 16:00

Tgt Ion: 75 Resp: 3201
 Ion Ratio Lower Upper
 75 100
 77 47.6 21.7 40.3#





#47

Tetrachloroethene

Concen: 1.852 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampled :

BFE46DL

Tgt Ion:164 Resp: 43342

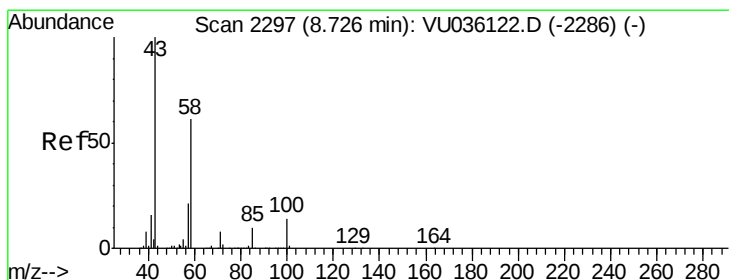
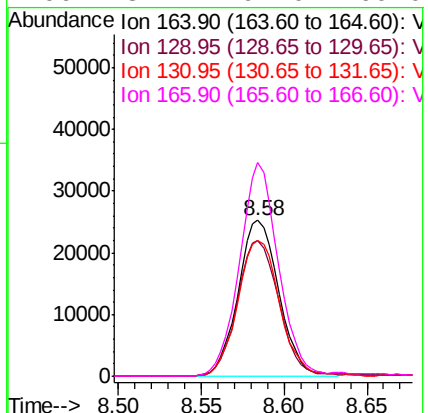
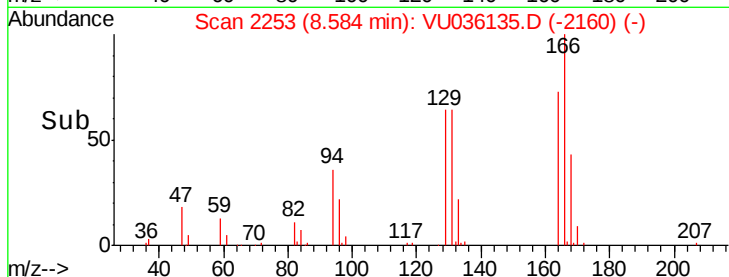
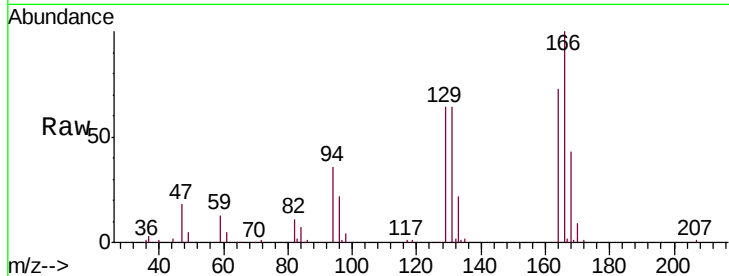
Ion Ratio Lower Upper

164 100

129 87.4 63.1 117.3

131 87.1 61.5 114.1

166 137.1 91.0 169.0



#48

2-Hexanone

Concen: 2.408 ug/L

RT: 8.68 min Scan# 2282

Delta R.T. -0.05 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Tgt Ion: 43 Resp: 20986

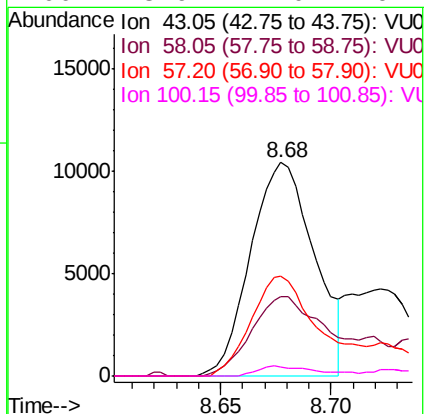
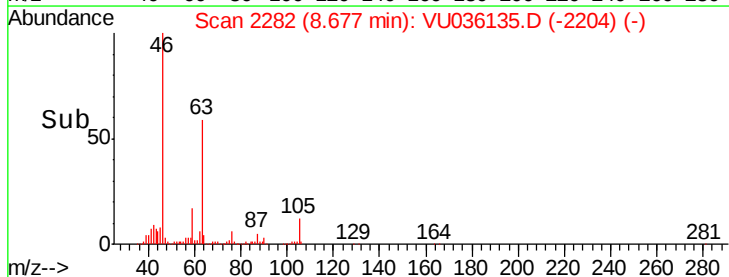
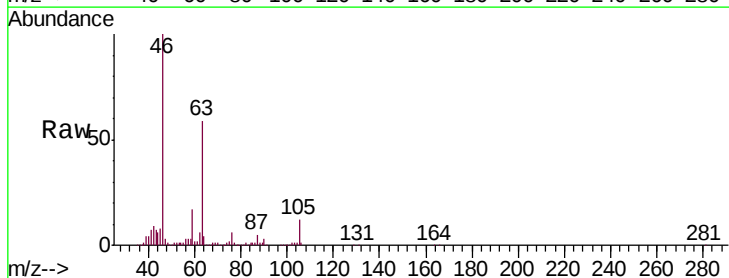
Ion Ratio Lower Upper

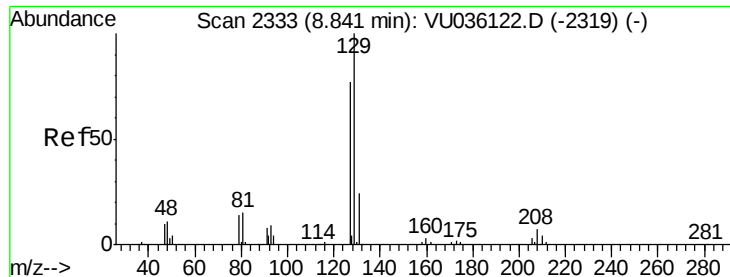
43 100

58 44.6 46.9 70.3#

57 50.1 16.4 24.6#

100 3.9 11.0 16.4#





#49

Dibromochloromethane

Concen: 1.547 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

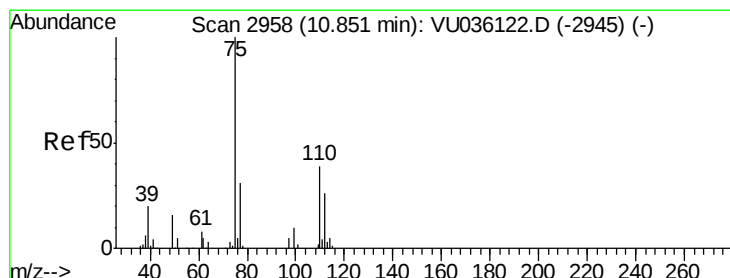
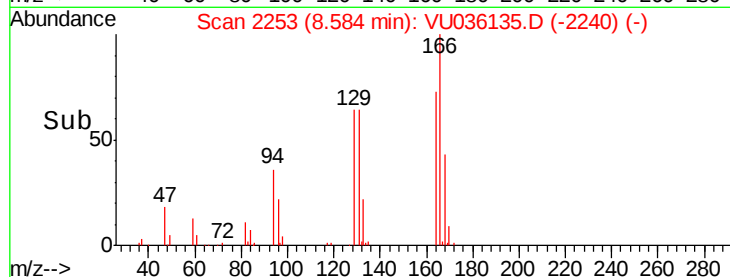
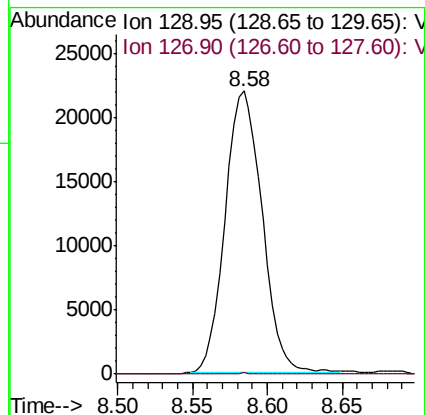
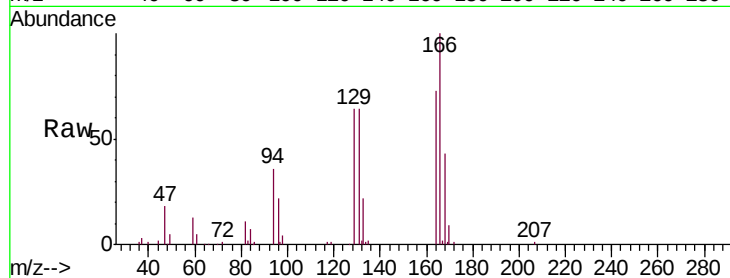
BFE46DL

Tgt Ion:129 Resp: 37596

Ion Ratio Lower Upper

129 100

127 0.5 52.5 97.5#



#59

1,2,3-Trichloropropane

Concen: 0.703 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Tgt Ion: 75 Resp: 11679

Ion Ratio Lower Upper

75 100

77 40.4 26.7 40.1#

