

Data File : VU036010.D
Acq On : 05 Dec 2019 21:55
Operator : JC/SP
Sample : K6105-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE34

Quant Time: Dec 06 01:04:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 06 00:57:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	264982	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	289192	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	67787	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	118289	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.93	69	106540	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.60	63	142845	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.69	46	222967	41.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.36%
24) Chloroform-d	5.11	84	198531	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.75	65	105338	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.77	84	385094	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.73	67	126458	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.93	98	320238	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	8.22	79	44559	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.70	63	172790	39.22	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.44%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	103314	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	73798	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

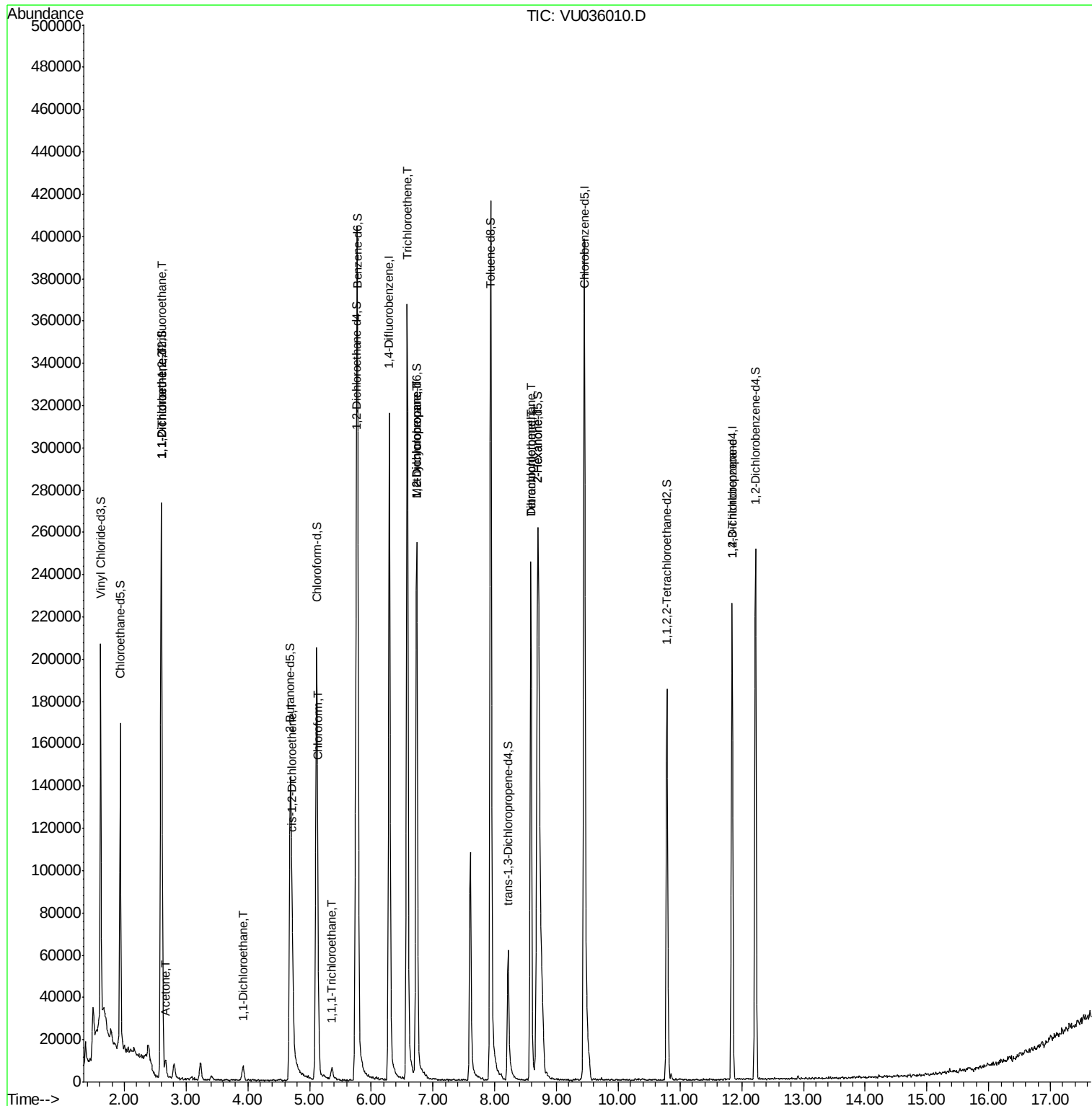
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	23886	1.173 ug/L	96
12) 1,1-Dichloroethene	2.61	96	5566	0.293 ug/L #	1
13) Acetone	2.67	43	9027	1.867 ug/L	99
19) 1,1-Dichloroethane	3.93	63	8484	0.216 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	16107	0.758 ug/L	92
25) Chloroform	5.14	83	15910	0.401 ug/L	91
29) 1,1,1-Trichloroethane	5.37	97	3959	0.113 ug/L #	85
34) Trichloroethene	6.58	95	130344	5.668 ug/L	94
35) Methylcyclohexane	6.74	83	30315	0.879 ug/L #	17
37) 1,2-Dichloropropane	6.74	63	12401	0.504 ug/L #	88
47) Tetrachloroethene	8.58	164	61007	3.264 ug/L	97
48) 2-Hexanone	8.69	43	11520	1.078 ug/L #	72
49) Dibromochloromethane	8.58	129	54713	2.676 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	7327	0.458 ug/L	94

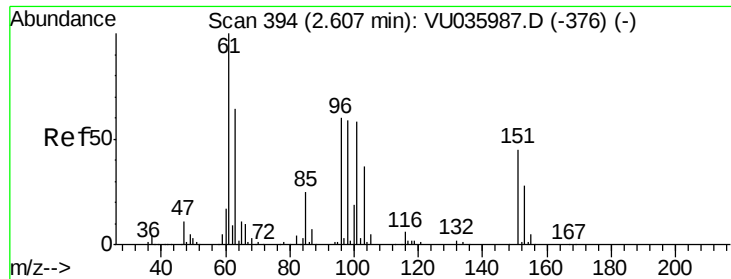
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 1.173 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036010.D

Acq: 05 Dec 2019 21:55

Instrument :

MSVOA_U

ClientSampleId :

BFE34

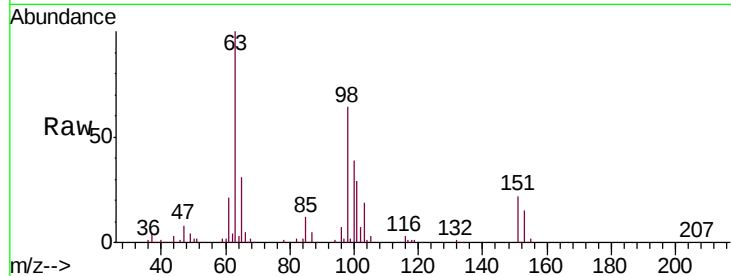
Tgt Ion: 101 Resp: 23886

Ion Ratio Lower Upper

101 100

85 42.6 35.5 53.3

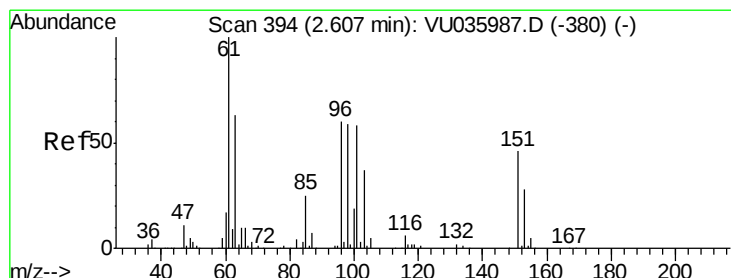
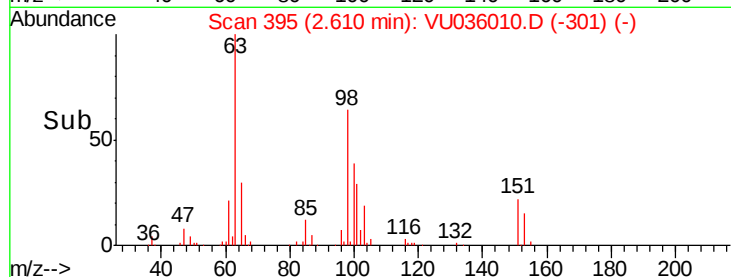
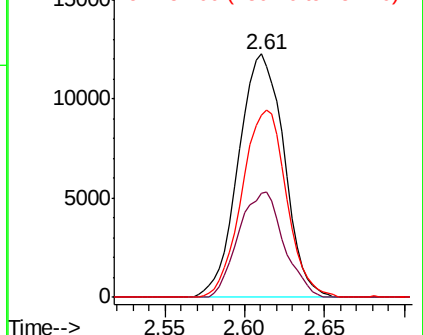
151 75.3 57.5 86.3



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: 0.293 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU036010.D

Acq: 05 Dec 2019 21:55

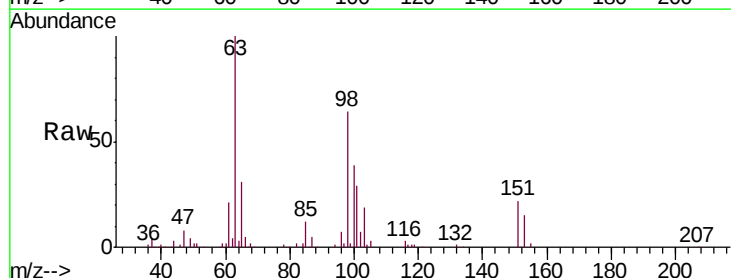
Tgt Ion: 96 Resp: 5566

Ion Ratio Lower Upper

96 100

61 296.6 127.1 236.1#

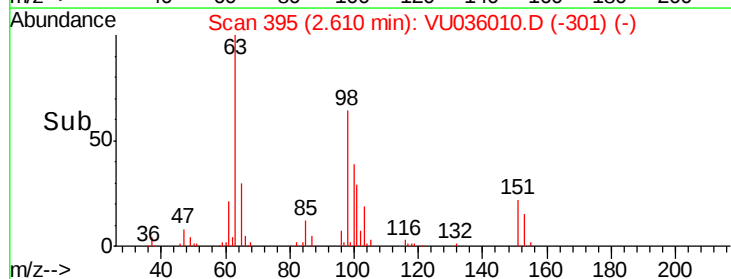
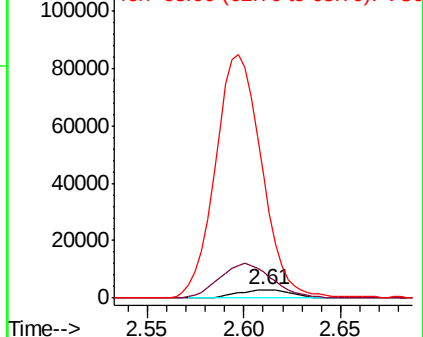
63 1399.1 86.0 159.8#

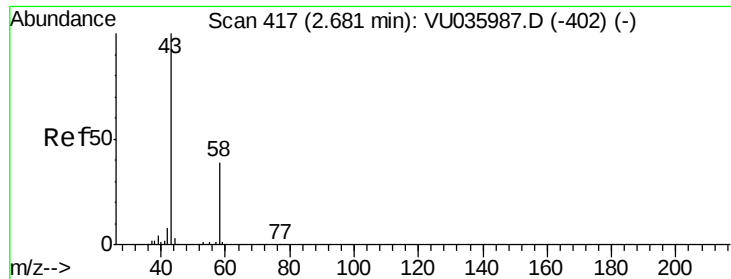


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.867 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU036010.D

Acq: 05 Dec 2019 21:55

Instrument :

MSVOA_U

ClientSampled :

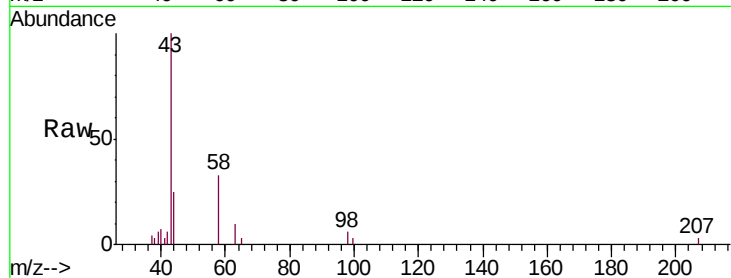
BFE34

Tgt Ion: 43 Resp: 9027

Ion Ratio Lower Upper

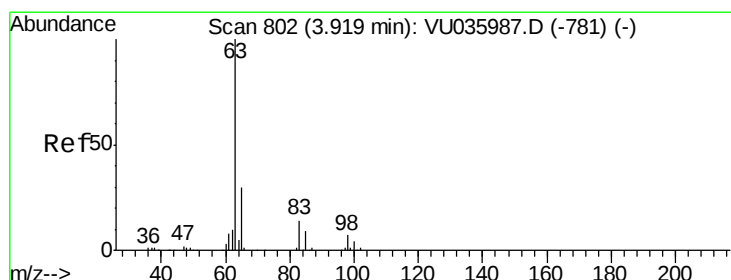
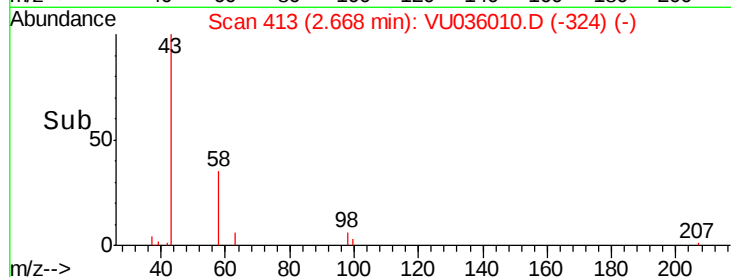
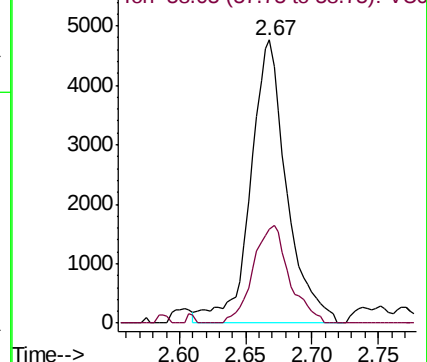
43 100

58 34.7 0.0 68.6



Abundance Ion 43.05 (42.75 to 43.75): VU035987.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035987.D (-402) (-)



#19

1,1-Dichloroethane

Concen: 0.216 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.01 min

Lab File: VU036010.D

Acq: 05 Dec 2019 21:55

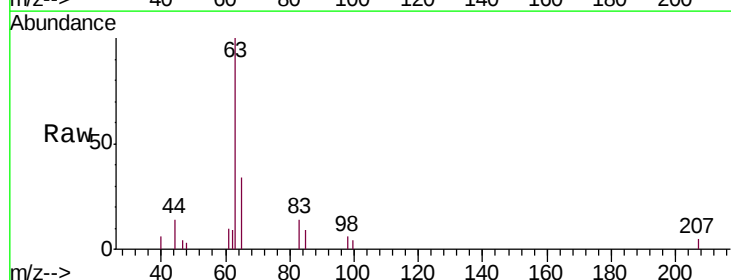
Tgt Ion: 63 Resp: 8484

Ion Ratio Lower Upper

63 100

65 33.7 22.4 41.6

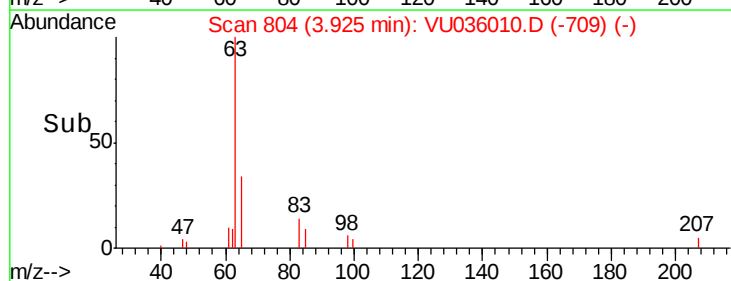
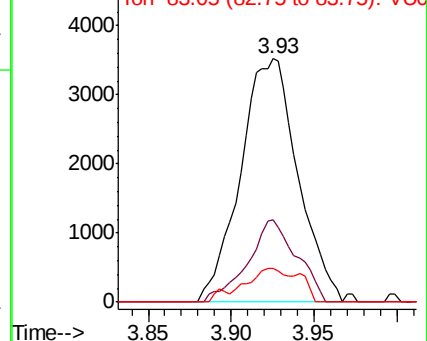
83 13.8 9.8 18.2

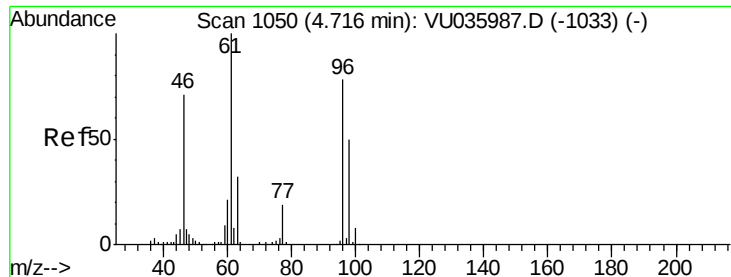


Abundance Ion 63.10 (62.80 to 63.80): VU035987.D (-781) (-)

Ion 65.10 (64.80 to 65.80): VU035987.D (-781) (-)

Ion 83.05 (82.75 to 83.75): VU035987.D (-781) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.758 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036010.D

Acq: 05 Dec 2019 21:55

Instrument :

MSVOA_U

ClientSampleId :

BFE34

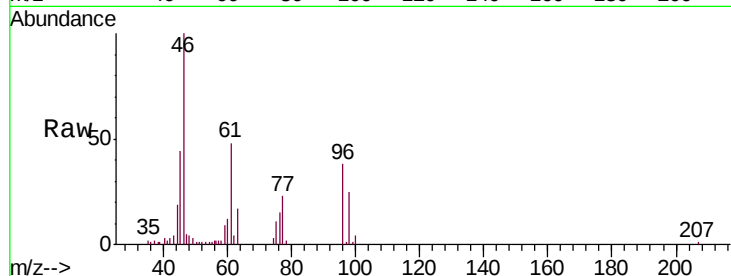
Tgt Ion: 96 Resp: 16107

Ion Ratio Lower Upper

96 100

61 126.6 95.7 177.7

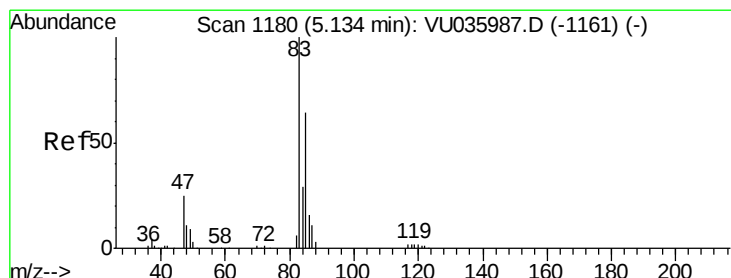
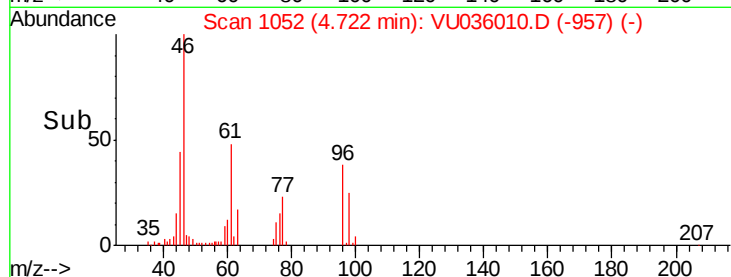
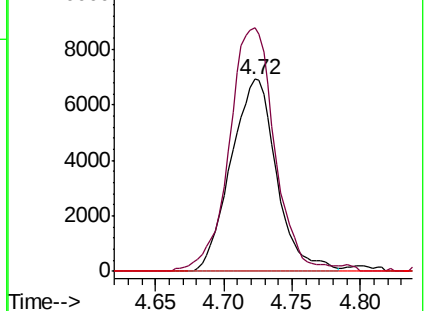
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036010.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU036010.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU036010.D (-957) (-)



#25

Chloroform

Concen: 0.401 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VU036010.D

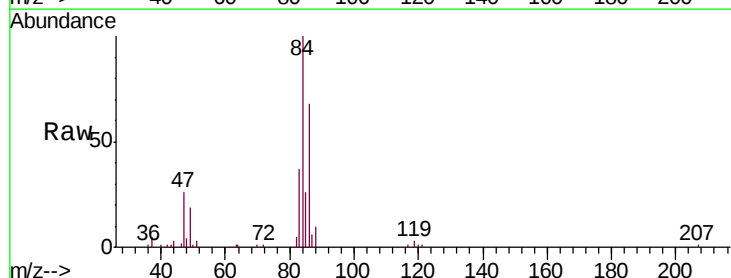
Acq: 05 Dec 2019 21:55

Tgt Ion: 83 Resp: 15910

Ion Ratio Lower Upper

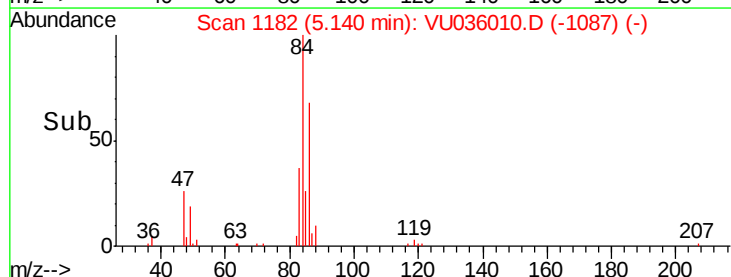
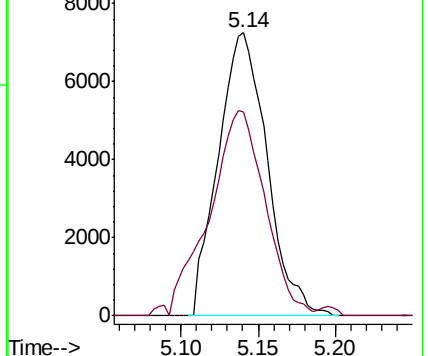
83 100

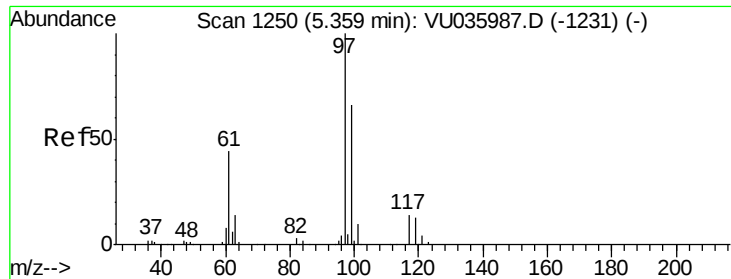
85 72.0 45.4 84.2



Abundance Ion 83.05 (82.75 to 83.75): VU036010.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036010.D (-1087) (-)

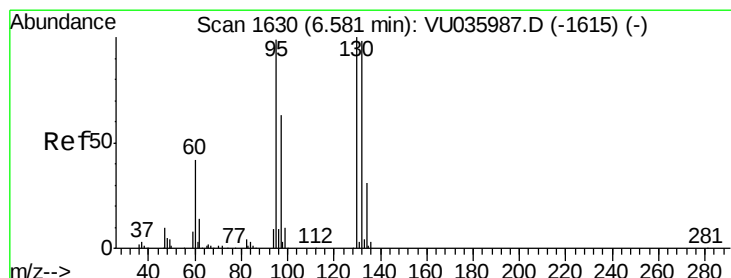
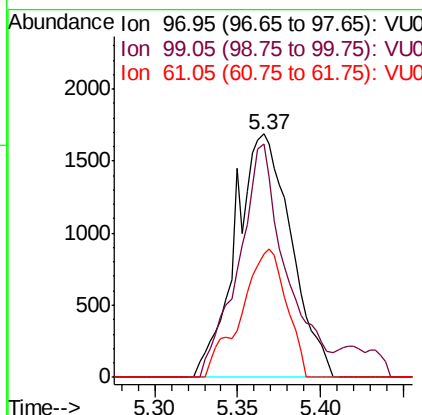
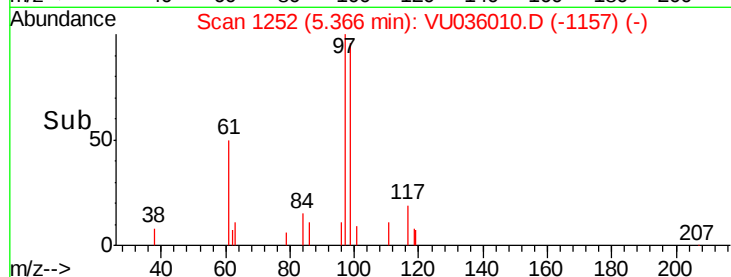
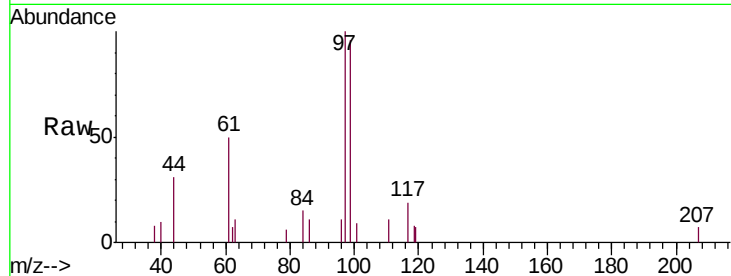




#29
 1,1,1-Trichloroethane
 Concen: 0.113 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VU036010.D
 Acq: 05 Dec 2019 21:55

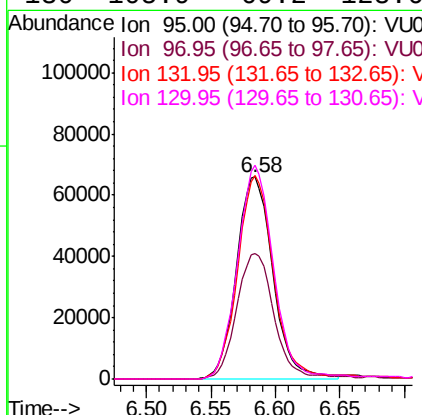
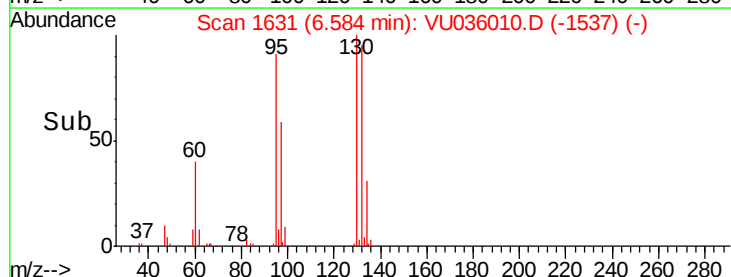
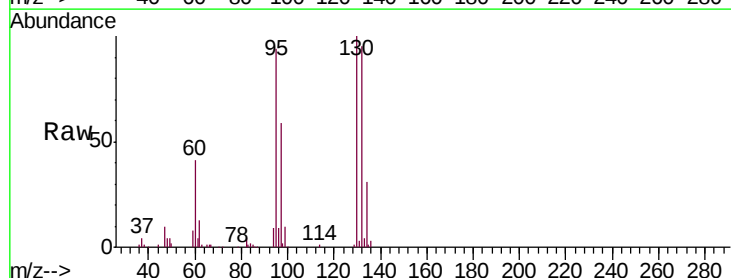
Instrument :
 MSVOA_U
 ClientSampleId :
 BFE34

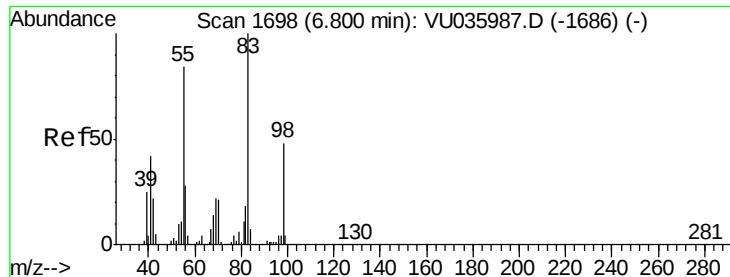
Tgt Ion: 97 Resp: 3959
 Ion Ratio Lower Upper
 97 100
 99 81.6 51.8 77.8#
 61 42.7 37.6 56.4



#34
 Trichloroethene
 Concen: 5.668 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU036010.D
 Acq: 05 Dec 2019 21:55

Tgt Ion: 95 Resp: 130344
 Ion Ratio Lower Upper
 95 100
 97 62.5 46.3 85.9
 132 100.7 65.7 122.1
 130 105.9 69.2 128.6

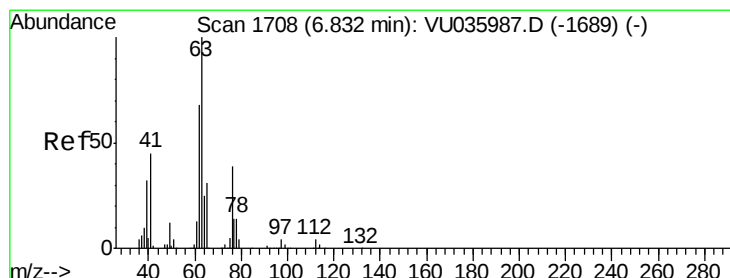
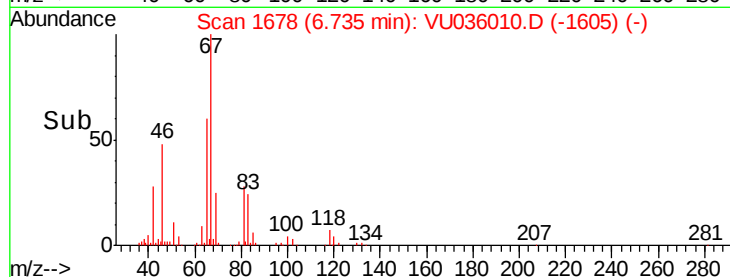
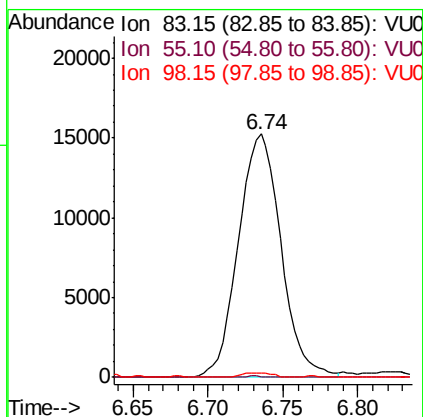
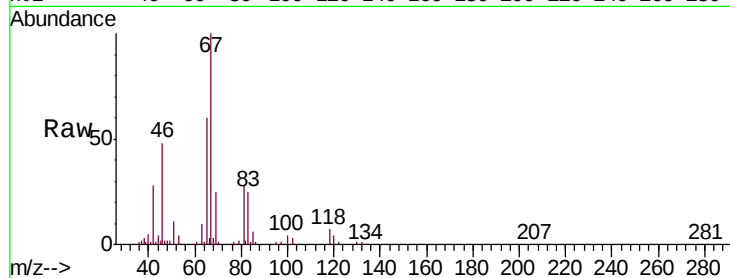




#35
Methylcyclohexane
Concen: 0.879 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU036010.D
Acq: 05 Dec 2019 21:55

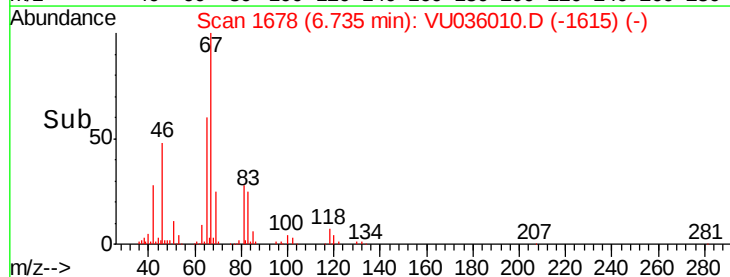
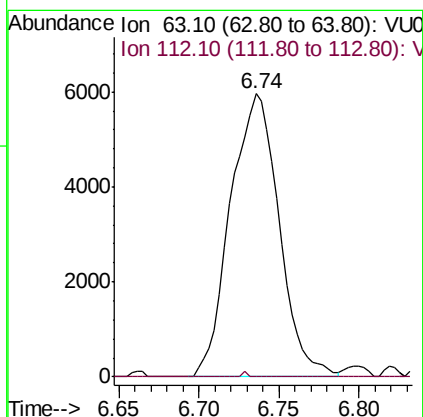
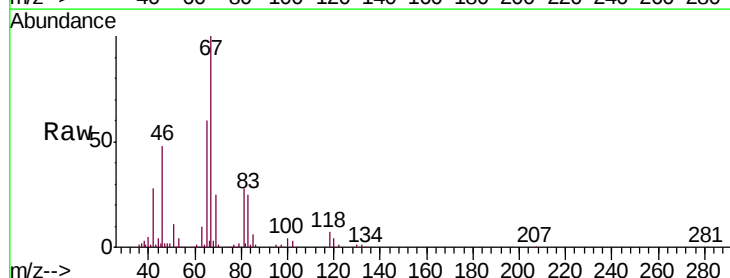
Instrument :
MSVOA_U
ClientSampleId :
BFE34

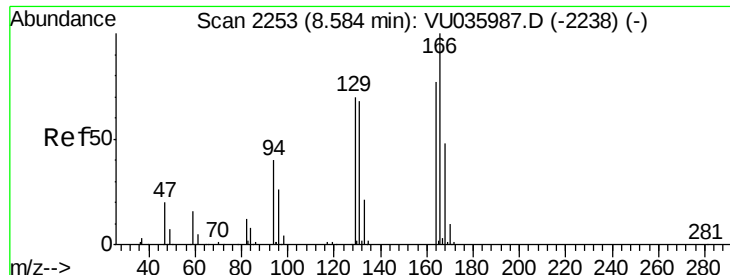
Tgt Ion: 83 Resp: 30315
Ion Ratio Lower Upper
83 100
55 0.2 67.4 101.0#
98 1.3 34.6 52.0#



#37
1,2-Dichloropropane
Concen: 0.504 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.10 min
Lab File: VU036010.D
Acq: 05 Dec 2019 21:55

Tgt Ion: 63 Resp: 12401
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#

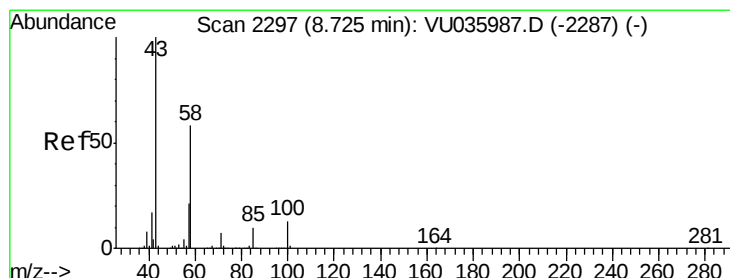
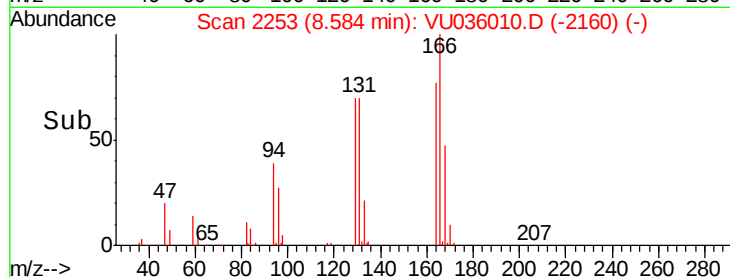
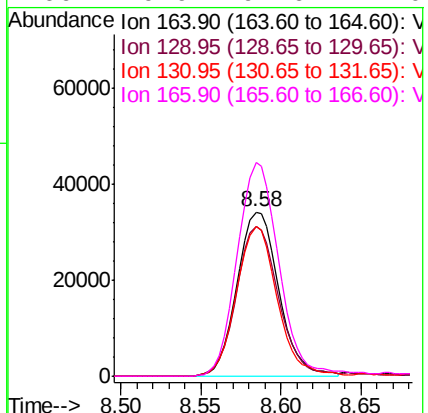
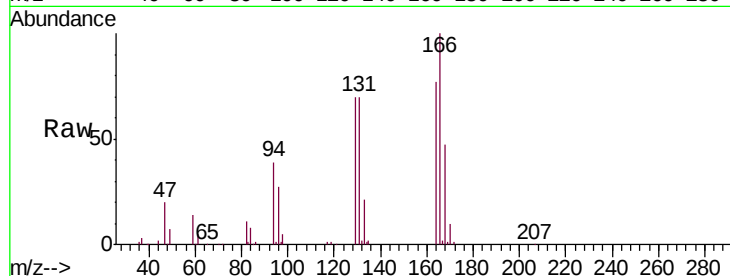




#47
Tetrachloroethene
Concen: 3.264 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VU036010.D
Acq: 05 Dec 2019 21:55

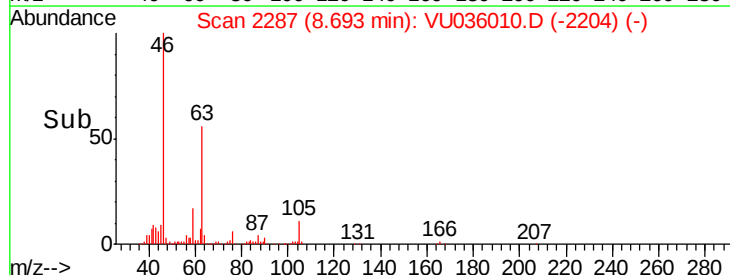
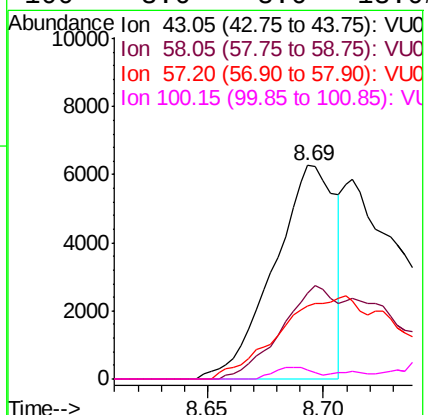
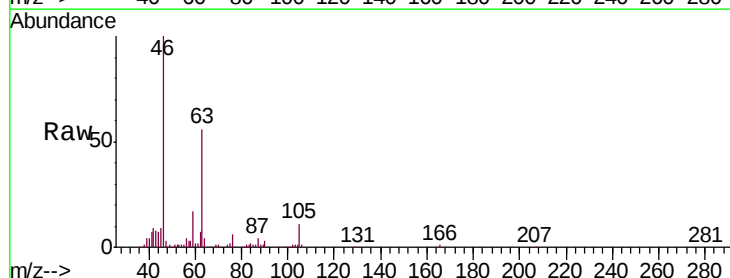
Instrument :
MSVOA_U
ClientSampleId :
BFE34

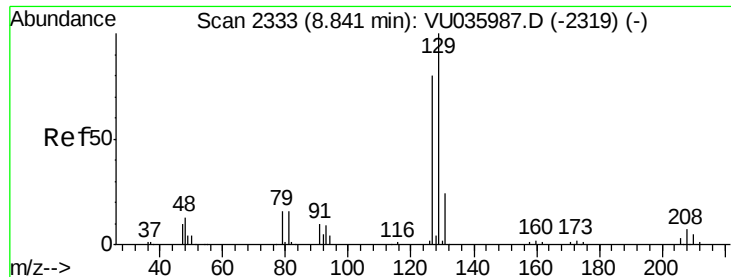
Tgt Ion:164 Resp: 61007
Ion Ratio Lower Upper
164 100
129 90.8 67.9 126.1
131 91.3 64.1 119.1
166 129.9 92.6 172.0



#48
2-Hexanone
Concen: 1.078 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.03 min
Lab File: VU036010.D
Acq: 05 Dec 2019 21:55

Tgt Ion: 43 Resp: 11520
Ion Ratio Lower Upper
43 100
58 38.7 45.4 68.2#
57 0.0 14.9 22.3#
100 3.6 8.6 13.0#

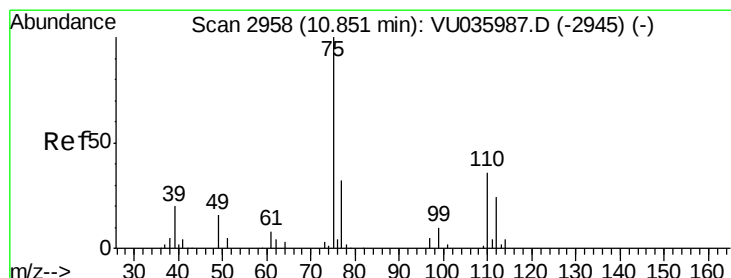
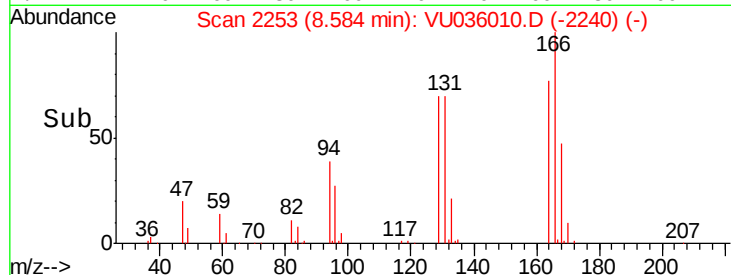
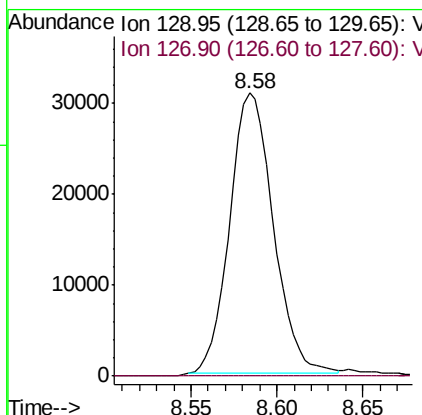
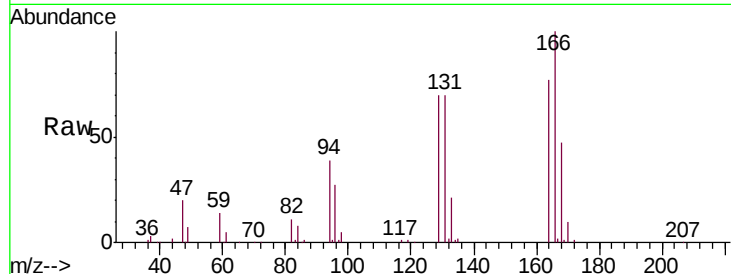




#49
 Dibromochloromethane
 Concen: 2.676 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.26 min
 Lab File: VU036010.D
 Acq: 05 Dec 2019 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE34

Tgt Ion: 129 Resp: 54713
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.8 98.0#



#59
 1,2,3-Trichloropropane
 Concen: 0.458 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU036010.D
 Acq: 05 Dec 2019 21:55

Tgt Ion: 75 Resp: 7327
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.6 39.8

