

Data File : VU036660.D
Acq On : 31 Jan 2020 23:27
Operator : JC/MD
Sample : L1326-02DL 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBCS4DL

Quant Time: Feb 01 00:25:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM013120WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	282611	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	256099	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	104786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123469	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.84%
7) Chloroethane-d5	1.92	69	100184	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.58%
11) 1,1-Dichloroethene-d2	2.59	63	148617	36.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.72%
21) 2-Butanone-d5	4.68	46	143899	90.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.72%
24) Chloroform-d	5.11	84	177307	46.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.88%
26) 1,2-Dichloroethane-d4	5.75	65	123255	49.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.58%
32) Benzene-d6	5.77	84	395792	51.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.08%
36) 1,2-Dichloropropane-d6	6.73	67	129405	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.56%
41) Toluene-d8	7.93	98	359546	50.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.52%
43) trans-1,3-Dichloropropene-	8.21	79	59817	48.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.52%
47) 2-Hexanone-d5	8.67	63	140931	99.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	173701	47.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.92%
64) 1,2-Dichlorobenzene-d4	12.21	152	108952	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%

Target Compounds

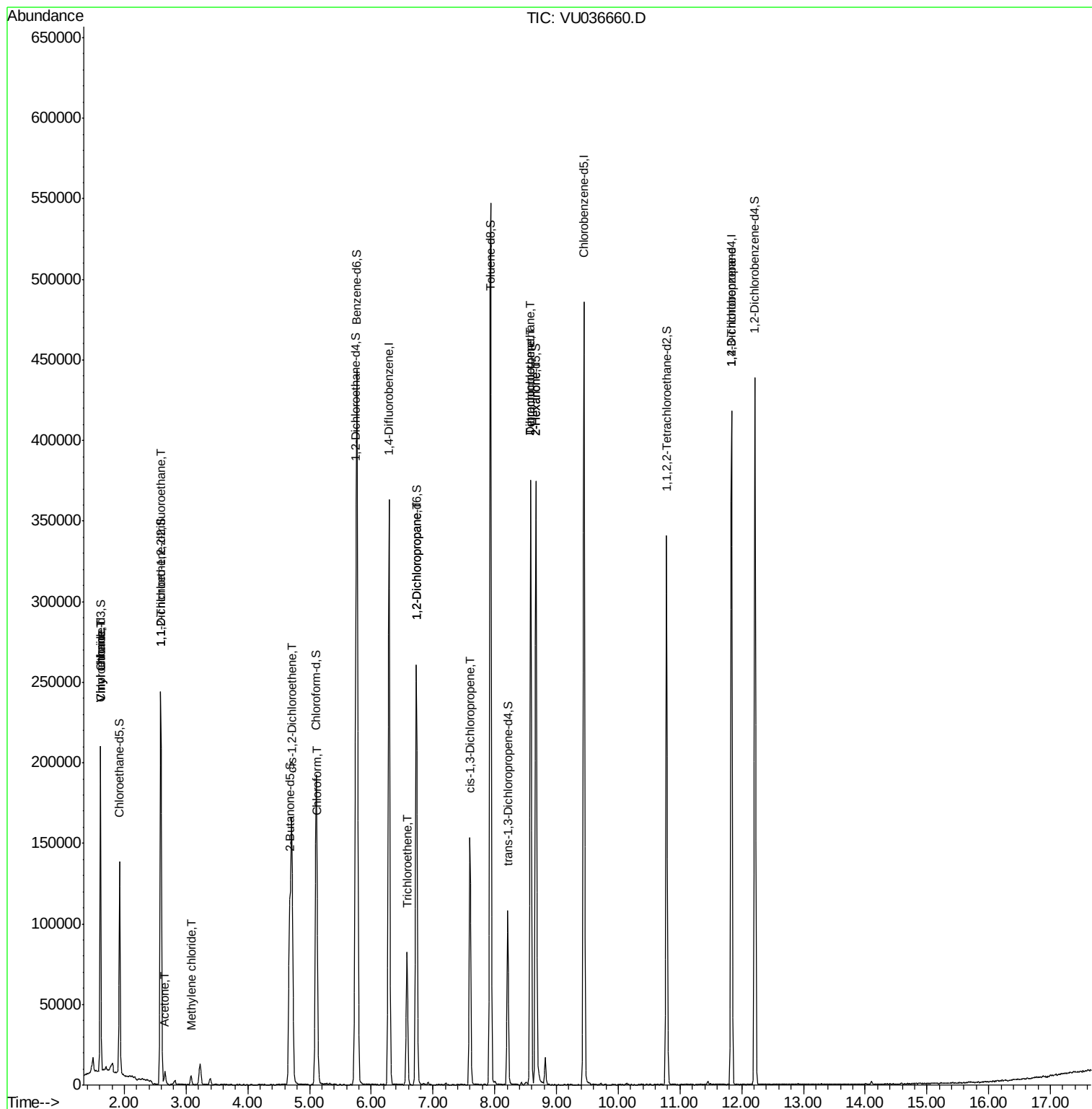
					Qvalue
5) Vinyl chloride	1.62	62	13035	4.657 ug/L #	44
8) Chloroethane	1.62	64	6868	4.120 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1356	0.769 ug/L #	22
13) Acetone	2.66	43	8165	6.053 ug/L	100
16) Methylene chloride	3.08	84	3044	1.350 ug/L	86
20) cis-1,2-Dichloroethene	4.71	96	73949	33.605 ug/L	98
25) Chloroform	5.13	83	8040	2.197 ug/L	97
34) Trichloroethene	6.58	95	27924	14.068 ug/L	97
37) 1,2-Dichloropropane	6.73	63	13442	6.076 ug/L #	88
39) cis-1,3-Dichloropropene	7.60	75	3649	1.042 ug/L #	42
46) Tetrachloroethene	8.58	164	80217	54.910 ug/L	98
48) 2-Hexanone	8.67	43	14535	5.616 ug/L #	67
49) Dibromochloromethane	8.58	129	79689	40.560 ug/L #	12
59) 1,2,3-Trichloropropane	11.83	75	14571	4.962 ug/L	94

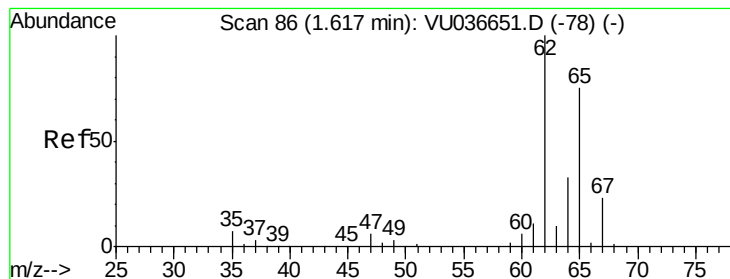
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 01 00:19:17 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.657 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036660.D

Acq: 31 Jan 2020 23:27

Instrument :

MSVOA_U

ClientSampled :

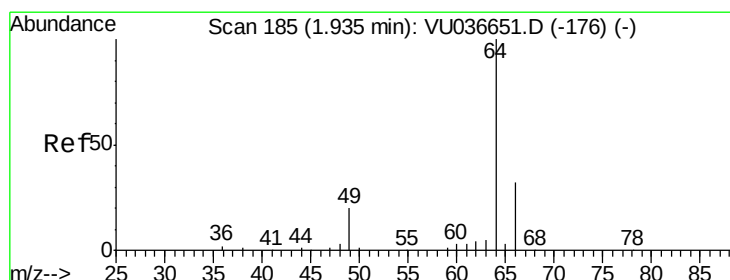
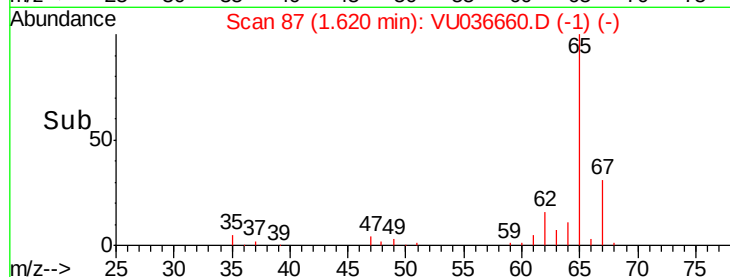
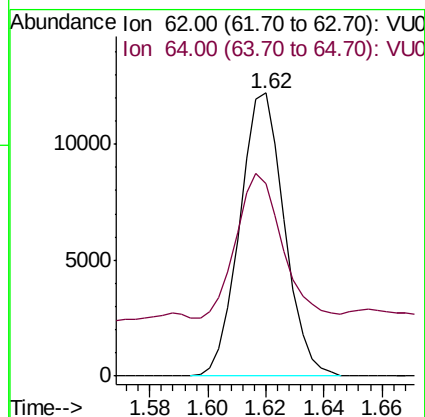
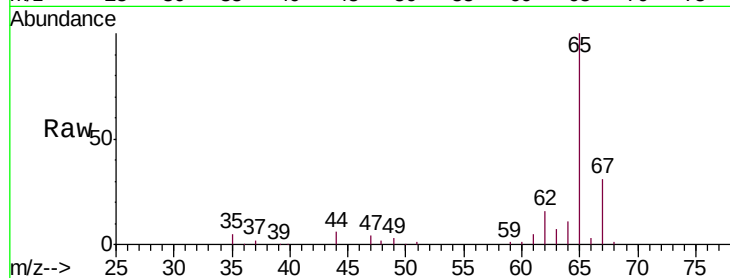
DBCS4DL

Tgt Ion: 62 Resp: 13035

Ion Ratio Lower Upper

62 100

64 68.1 24.7 45.9#



#8

Chloroethane

Concen: 4.120 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.32 min

Lab File: VU036660.D

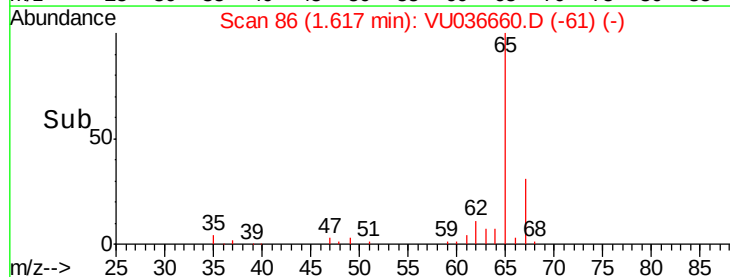
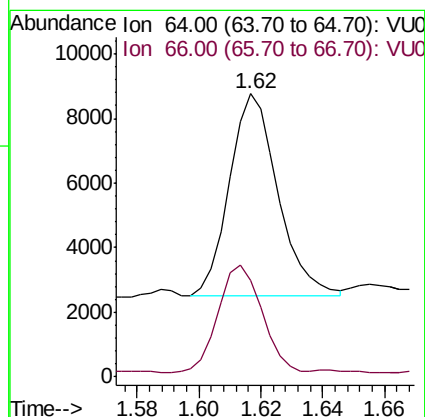
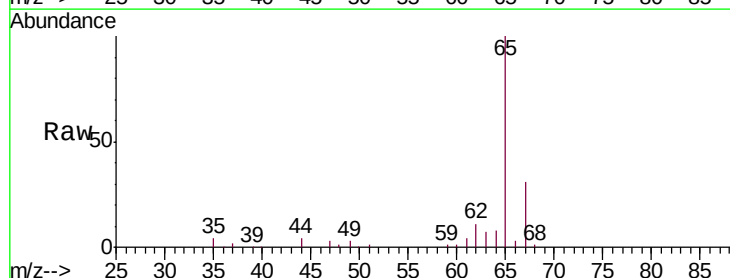
Acq: 31 Jan 2020 23:27

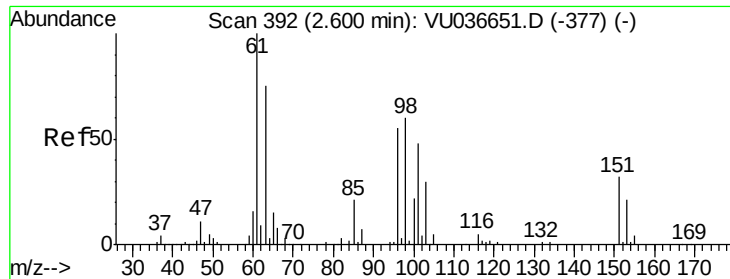
Tgt Ion: 64 Resp: 6868

Ion Ratio Lower Upper

64 100

66 34.0 21.8 40.4





#10

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

Concen: 0.769 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.00 min

Lab File: VU036660.D

Acq: 31 Jan 2020 23:27

Instrument :

MSVOA_U

ClientSampleId :

DBCS4DL

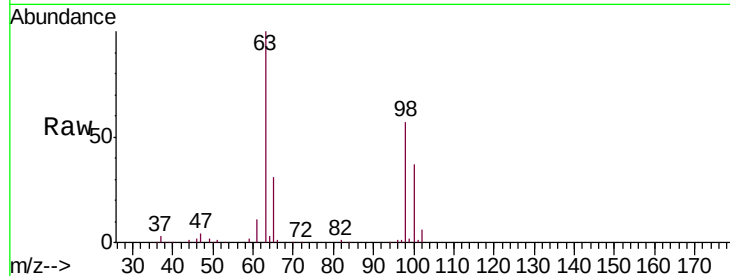
Tgt Ion: 101 Resp: 1356

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

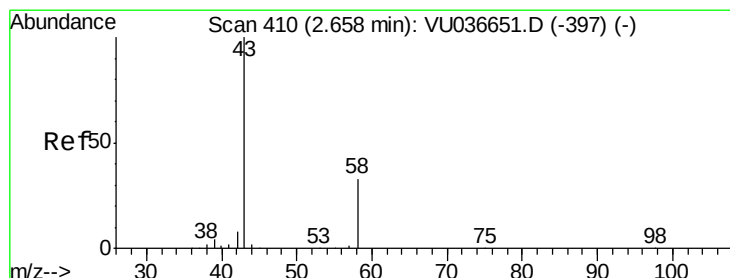
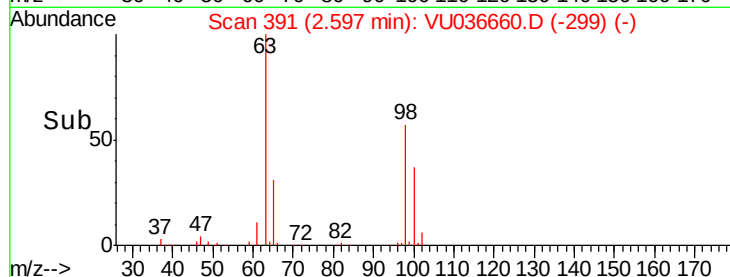
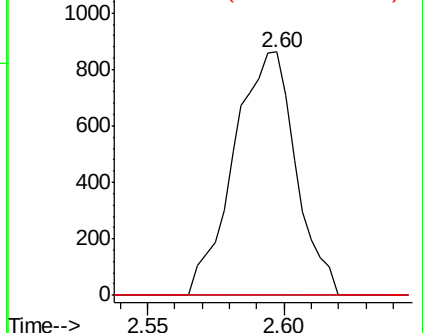
151 0.0 54.7 82.1#



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



#13

Acetone

Concen: 6.053 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036660.D

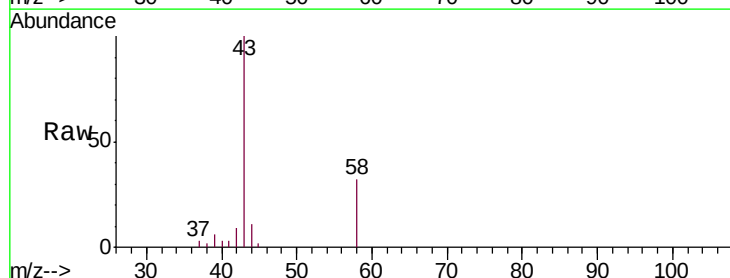
Acq: 31 Jan 2020 23:27

Tgt Ion: 43 Resp: 8165

Ion Ratio Lower Upper

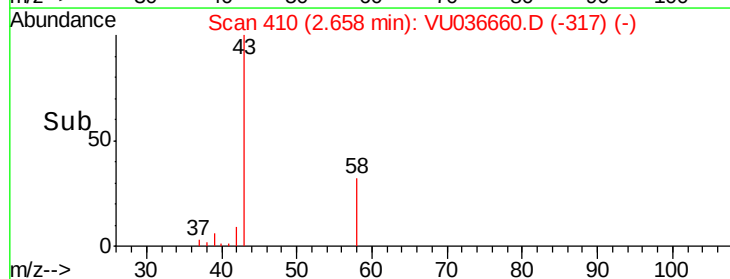
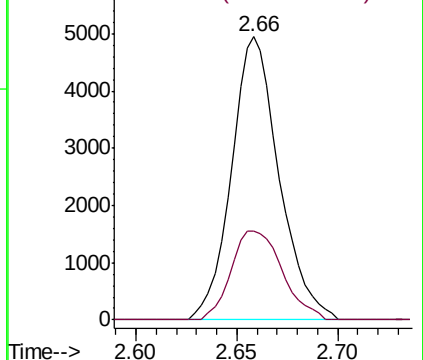
43 100

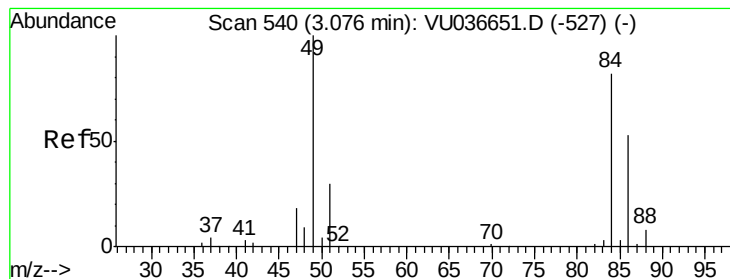
58 33.8 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#16

Methylene chloride

Concen: 1.350 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU036660.D

Acq: 31 Jan 2020 23:27

Instrument :

MSVOA_U

ClientSampleId :

DBCS4DL

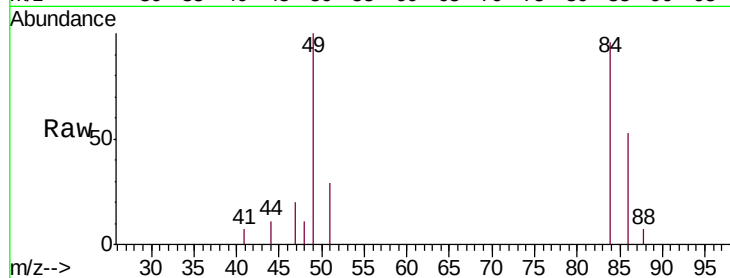
Tgt Ion: 84 Resp: 3044

Ion Ratio Lower Upper

84 100

86 55.7 45.1 83.9

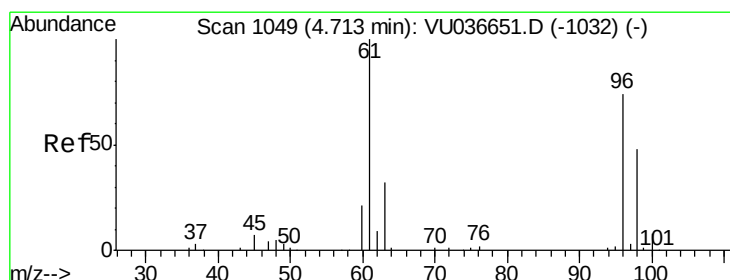
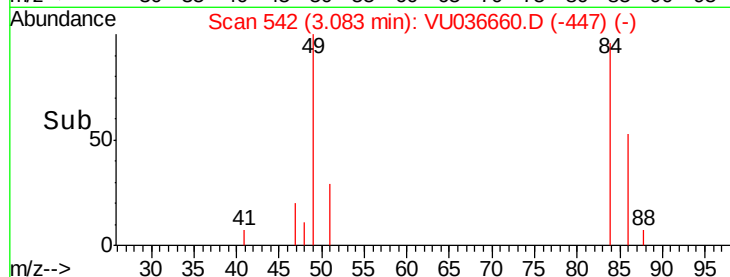
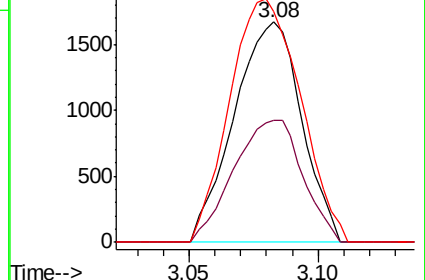
49 104.6 85.3 158.3



Abundance Ion 84.00 (83.70 to 84.70): VU036660.D (-542) (-)

Ion 86.00 (85.70 to 86.70): VU036660.D (-542) (-)

Ion 49.00 (48.70 to 49.70): VU036660.D (-542) (-)



#20

cis-1,2-Dichloroethene

Concen: 33.605 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU036660.D

Acq: 31 Jan 2020 23:27

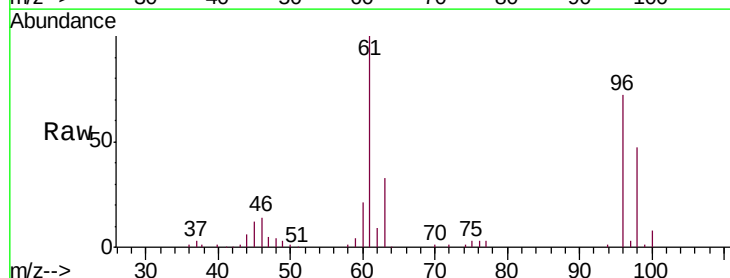
Tgt Ion: 96 Resp: 73949

Ion Ratio Lower Upper

96 100

61 138.4 94.9 176.3

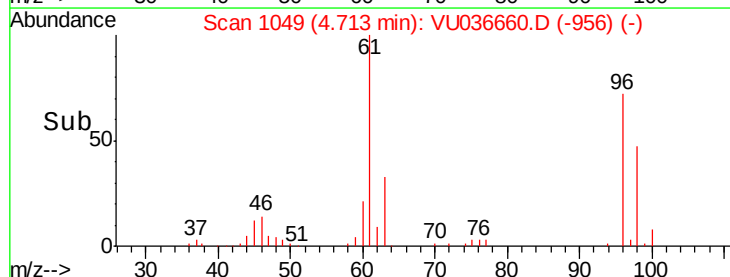
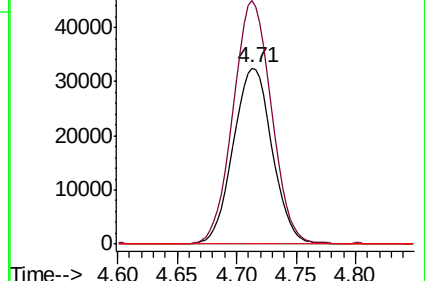
68 0.0 0.0 0.0

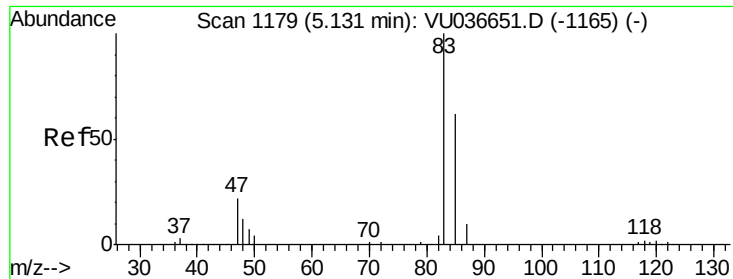


Abundance Ion 96.00 (95.70 to 96.70): VU036660.D (-1049) (-)

Ion 61.00 (60.70 to 61.70): VU036660.D (-1049) (-)

Ion 68.00 (67.70 to 68.70): VU036660.D (-1049) (-)

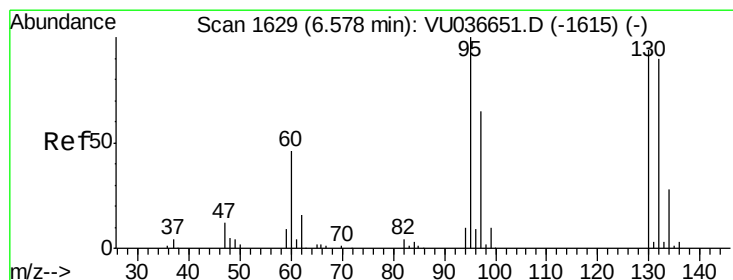
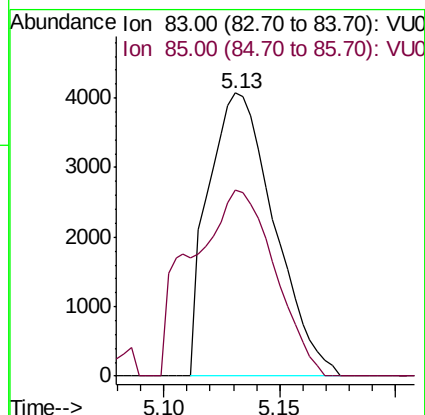
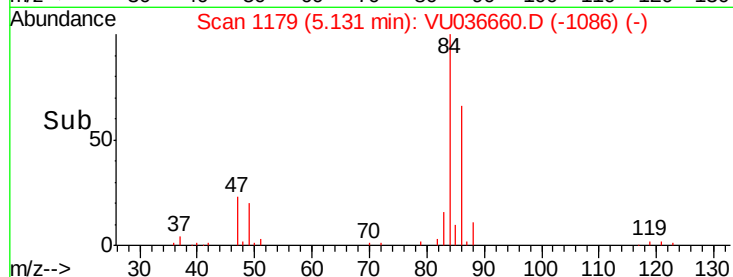
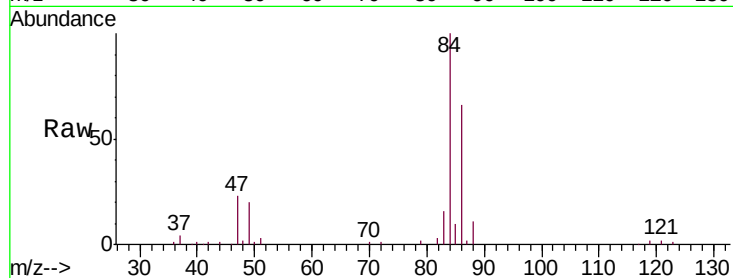




#25
Chloroform
Concen: 2.197 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036660.D
Acq: 31 Jan 2020 23:27

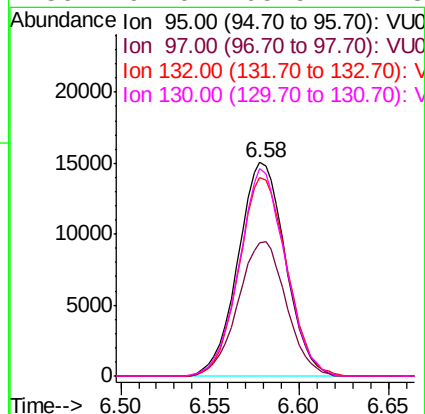
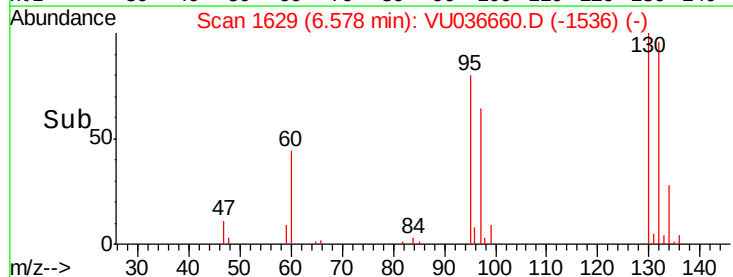
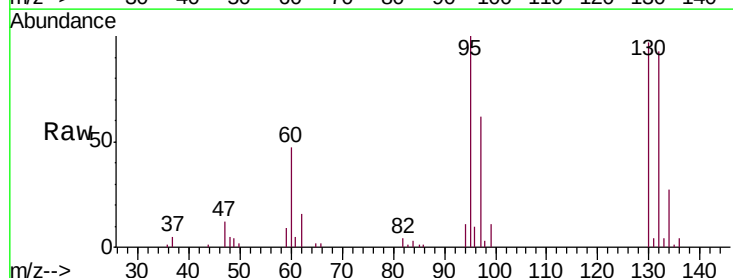
Instrument :
MSVOA_U
ClientSampleId :
DBCS4DL

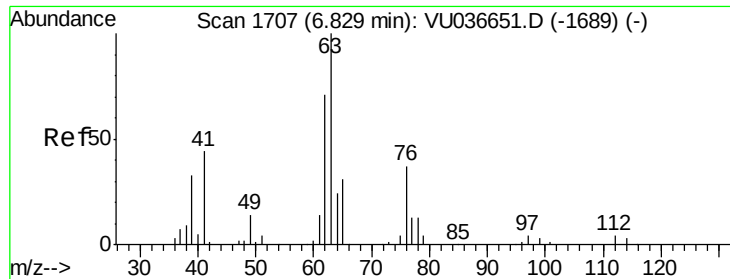
Tgt Ion: 83 Resp: 8040
Ion Ratio Lower Upper
83 100
85 65.5 44.3 82.3



#34
Trichloroethene
Concen: 14.068 ug/L
RT: 6.58 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VU036660.D
Acq: 31 Jan 2020 23:27

Tgt Ion: 95 Resp: 27924
Ion Ratio Lower Upper
95 100
97 62.4 45.4 84.4
132 92.9 63.2 117.4
130 97.0 65.9 122.3

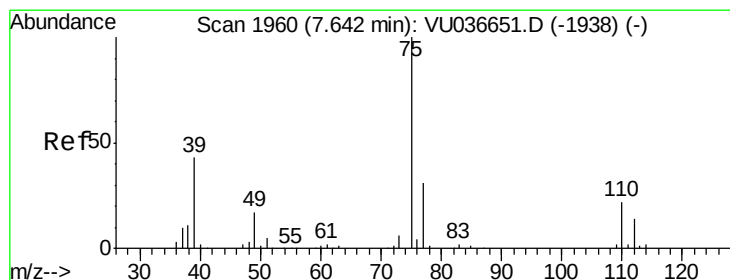
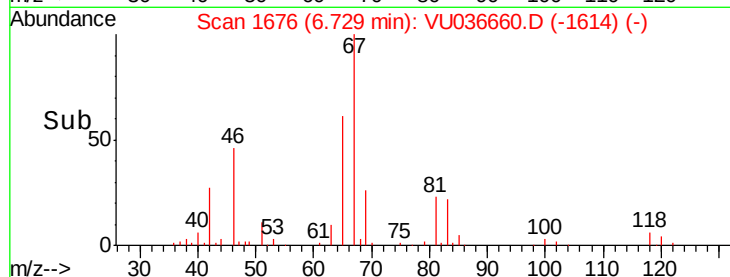
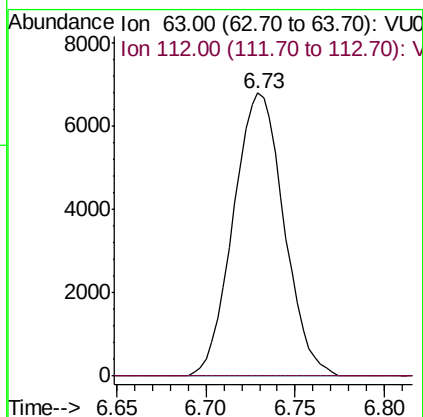
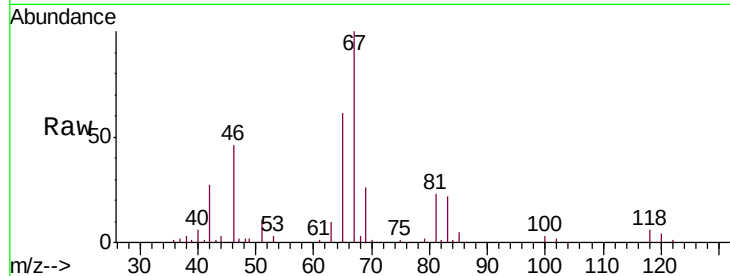




#37
 1,2-Dichloropropane
 Concen: 6.076 ug/L
 RT: 6.73 min Scan# 1676
 Delta R.T. -0.10 min
 Lab File: VU036660.D
 Acq: 31 Jan 2020 23:27

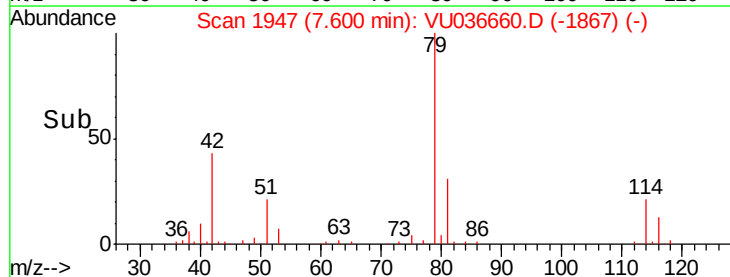
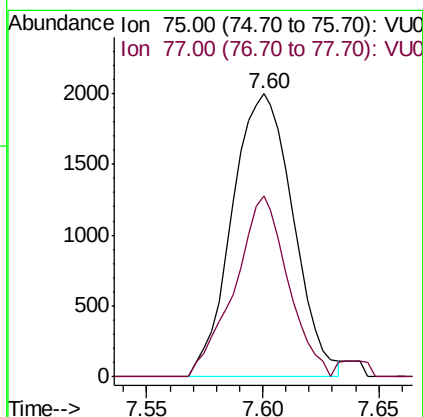
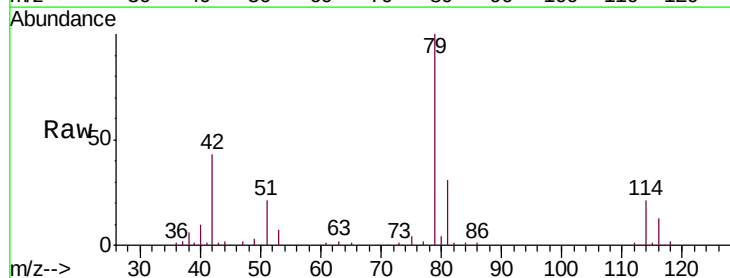
Instrument :
 MSVOA_U
 ClientSampleId :
 DBCS4DL

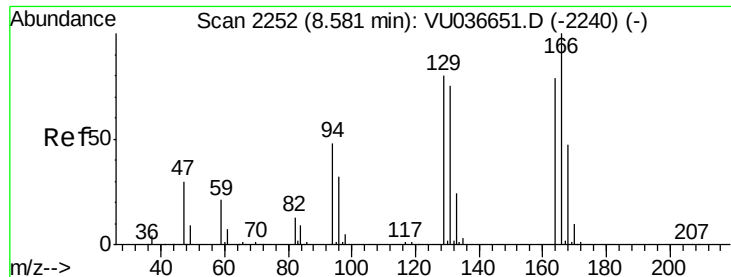
Tgt Ion: 63 Resp: 13442
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.042 ug/L
 RT: 7.60 min Scan# 1947
 Delta R.T. -0.04 min
 Lab File: VU036660.D
 Acq: 31 Jan 2020 23:27

Tgt Ion: 75 Resp: 3649
 Ion Ratio Lower Upper
 75 100
 77 63.8 22.0 41.0#





#46

Tetrachloroethene

Concen: 54.910 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036660.D

Acq: 31 Jan 2020 23:27

Instrument :

MSVOA_U

ClientSampleId :

DBCS4DL

Tgt Ion:164 Resp: 80217

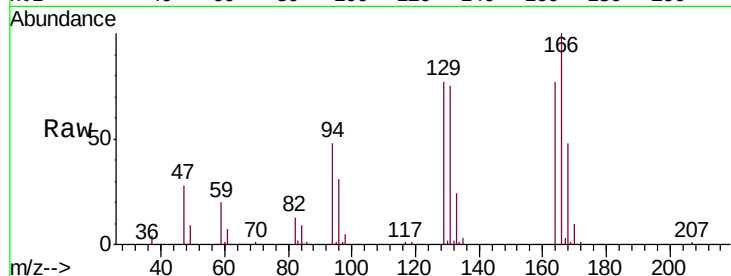
Ion Ratio Lower Upper

164 100

129 99.7 71.1 132.1

131 96.8 66.9 124.3

166 129.4 89.0 165.4

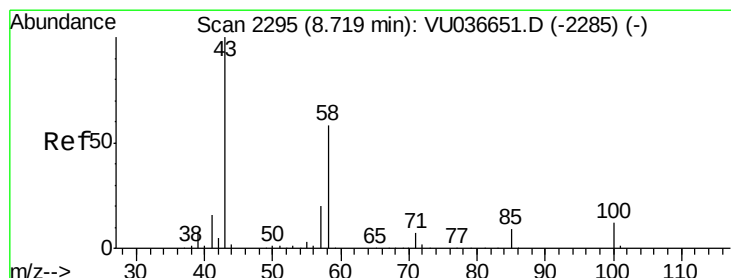
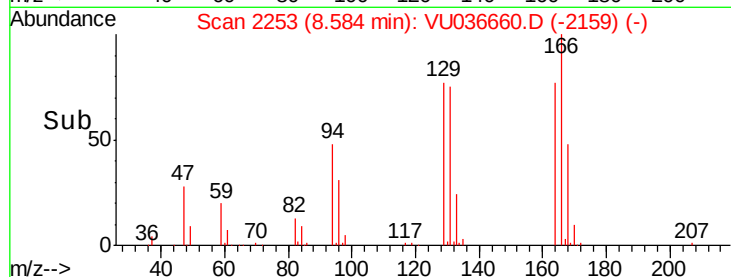
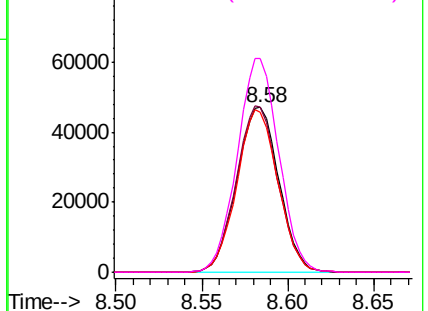


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 5.616 ug/L

RT: 8.67 min Scan# 2279

Delta R.T. -0.05 min

Lab File: VU036660.D

Acq: 31 Jan 2020 23:27

Tgt Ion: 43 Resp: 14535

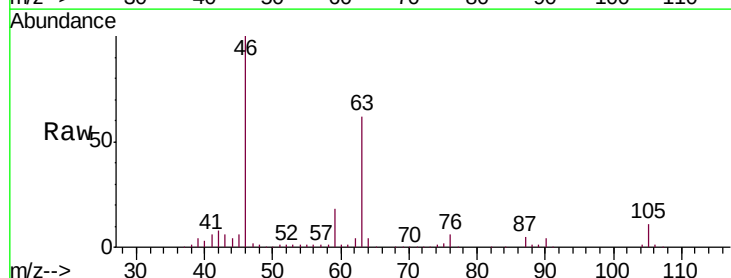
Ion Ratio Lower Upper

43 100

58 25.4 46.2 69.2#

57 22.6 16.3 24.5

100 0.0 9.8 14.6#

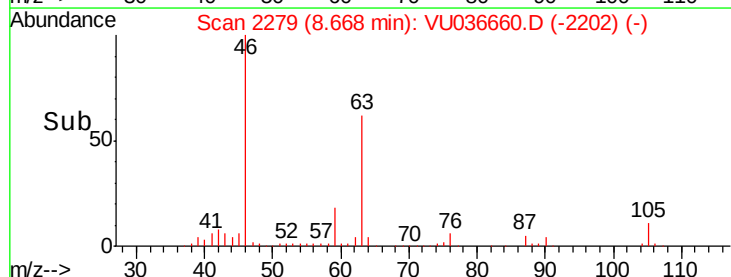
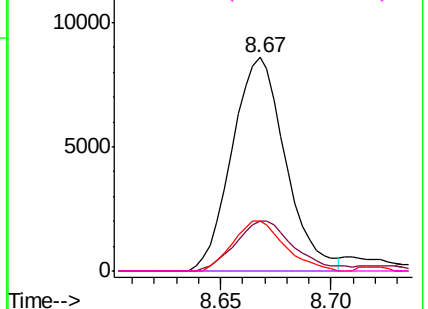


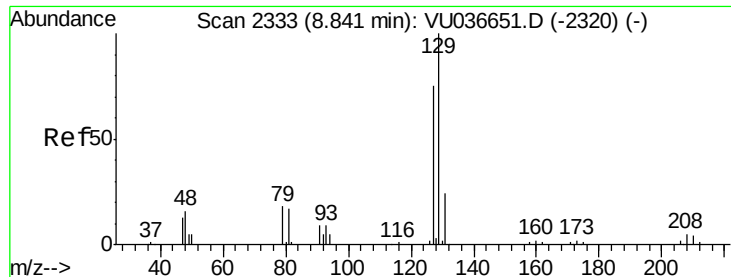
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

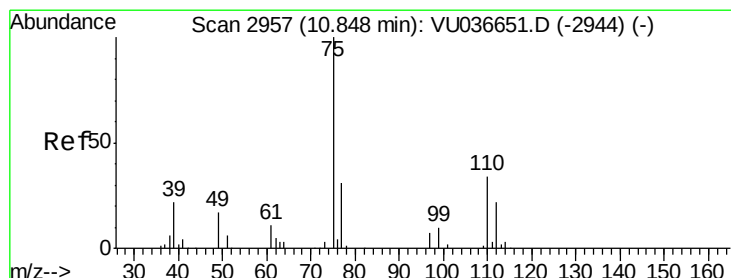
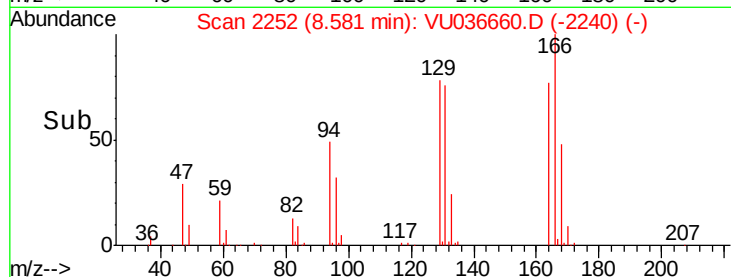
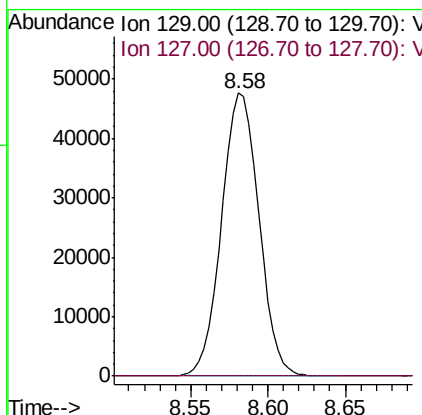
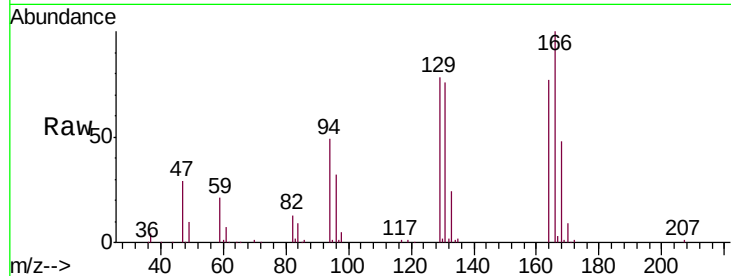




#49
 Dibromochloromethane
 Concen: 40.560 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.26 min
 Lab File: VU036660.D
 Acq: 31 Jan 2020 23:27

Instrument :
 MSVOA_U
 ClientSampleId :
 DBCS4DL

Tgt Ion: 129 Resp: 79689
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.4 97.2#



#59
 1,2,3-Trichloropropane
 Concen: 4.962 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.99 min
 Lab File: VU036660.D
 Acq: 31 Jan 2020 23:27

Tgt Ion: 75 Resp: 14571
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.2 37.8

