

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121719\
 Data File : VU036250.D
 Acq On : 17 Dec 2019 11:42
 Operator : JC/MD
 Sample : K6273-20DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 01:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 18 01:23:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	231419	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	259091	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	76582	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	83161	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.93	69	83836	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.59	63	92384	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.68	46	184546	48.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.68%
24) Chloroform-d	5.11	84	121807	3.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.40%
26) 1,2-Dichloroethane-d4	5.75	65	85643	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.77	84	284859	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.73	67	96639	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.93	98	237882	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	8.21	79	36891	4.37	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.40%
46) 2-Hexanone-d5	8.69	63	138067	42.77	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86888	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	73915	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

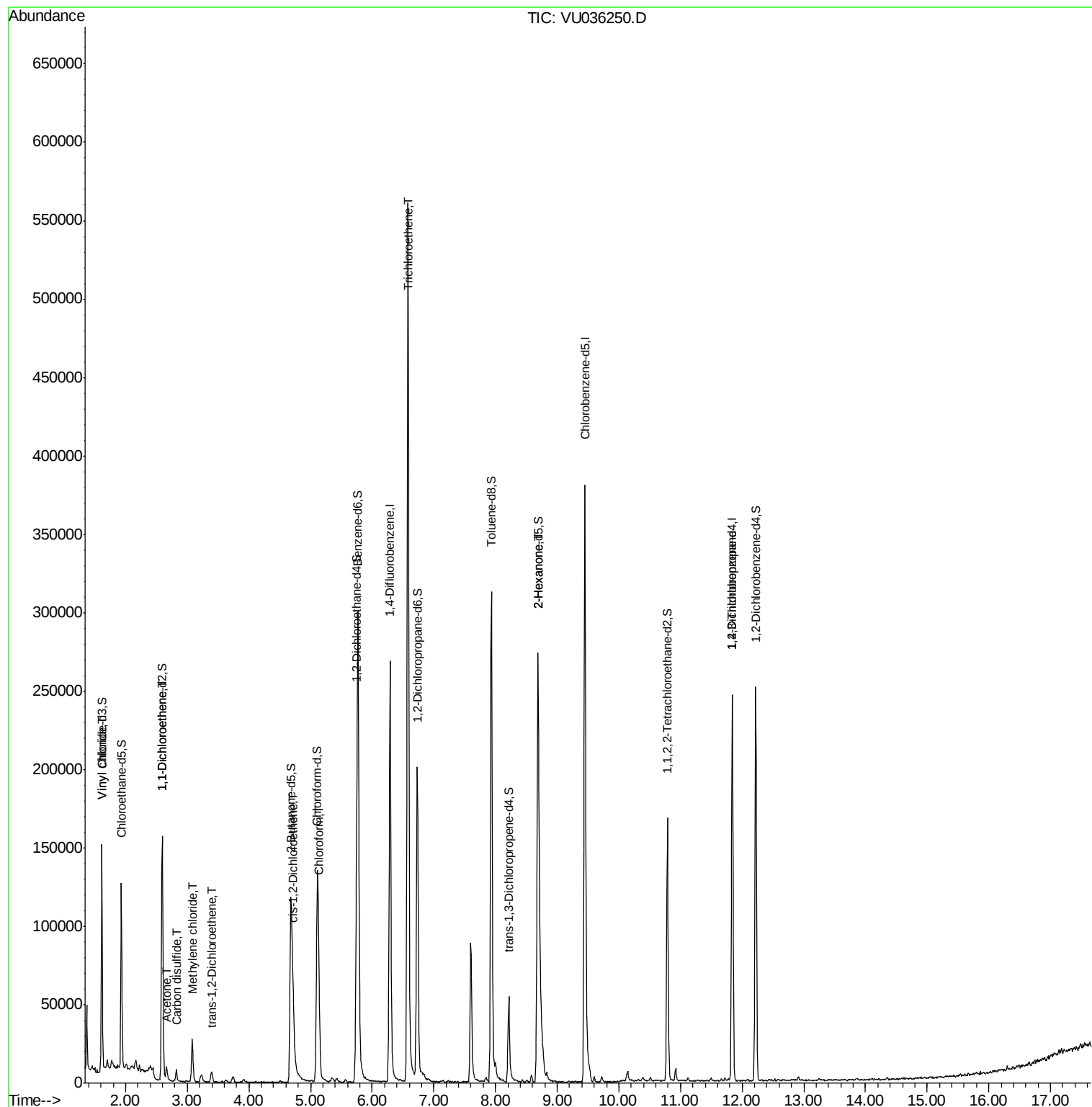
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	4929	0.160	ug/L #	44
12) 1,1-Dichloroethene	2.60	96	1609	0.094	ug/L #	1
13) Acetone	2.66	43	9364	2.814	ug/L	98
14) Carbon disulfide	2.83	76	9666	0.168	ug/L #	90
16) Methylene chloride	3.08	84	13795	0.547	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	2662	0.148	ug/L	90
22) cis-1,2-Dichloroethene	4.72	96	19050	0.988	ug/L	94
25) Chloroform	5.14	83	43234	1.204	ug/L	94
34) Trichloroethene	6.58	95	197460	9.619	ug/L	98
48) 2-Hexanone	8.69	43	16150	2.037	ug/L #	73
59) 1,2,3-Trichloropropane	11.84	75	8650	0.641	ug/L	94

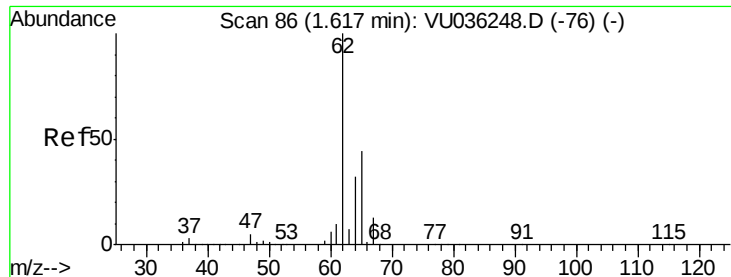
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.160 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036250.D

Acq: 17 Dec 2019 11:42

Instrument :

MSVOA_U

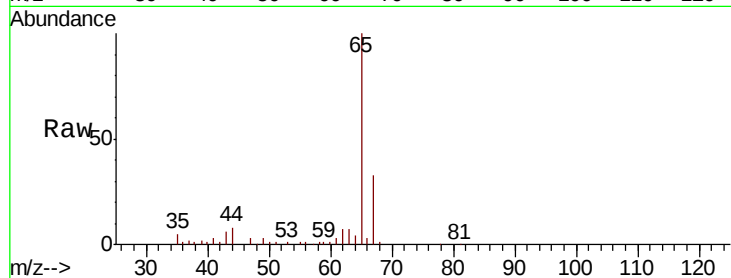
ClientSampleId :

Tot Ion: 62 Resp: 4929

Ion Ratio Lower Upper

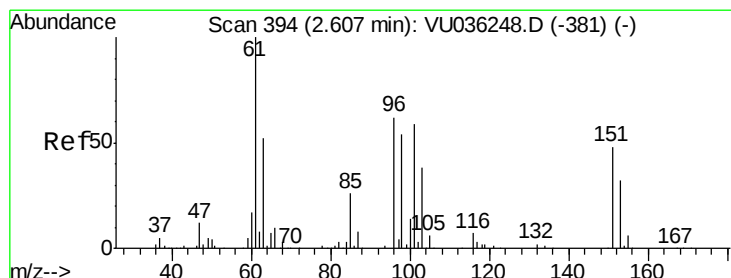
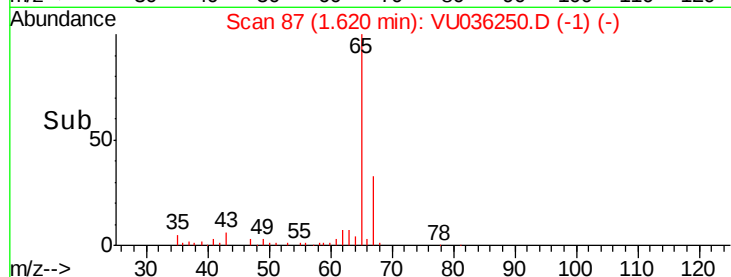
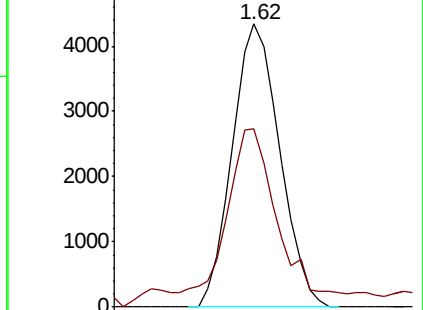
62 100

64 63.2 22.4 41.6#



Abundance Ion 62.00 (61.70 to 62.70): VU036248.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU036248.D (-76) (-)



#12

1,1-Dichloroethene

Concen: 0.094 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036250.D

Acq: 17 Dec 2019 11:42

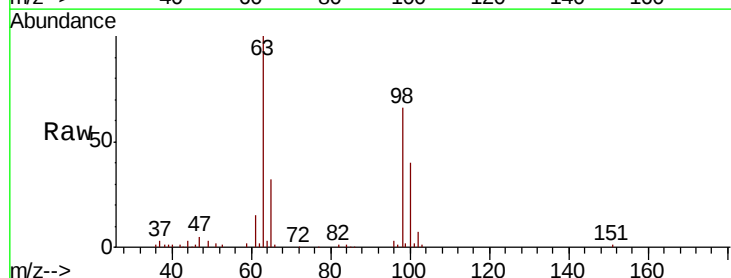
Tgt Ion: 96 Resp: 1609

Ion Ratio Lower Upper

96 100

61 507.9 114.0 211.8#

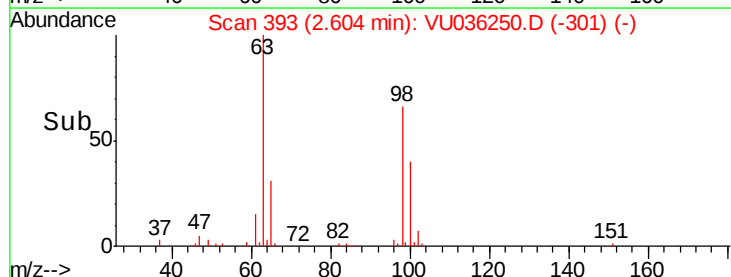
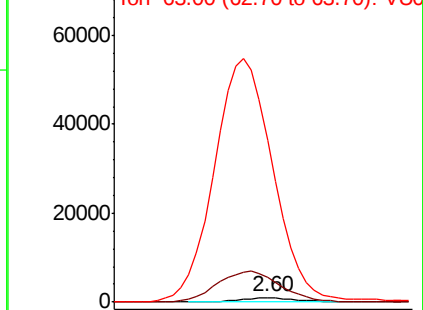
63 3332.1 63.6 118.0#

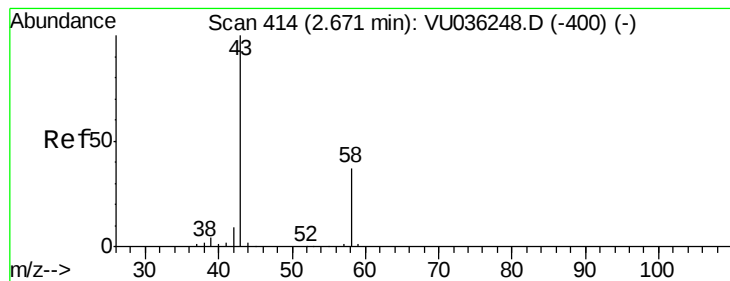


Abundance Ion 96.00 (95.70 to 96.70): VU036248.D (-381) (-)

Ion 61.05 (60.75 to 61.75): VU036248.D (-381) (-)

Ion 63.00 (62.70 to 63.70): VU036248.D (-381) (-)





#13

Acetone

Concen: 2.814 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036250.D

Acq: 17 Dec 2019 11:42

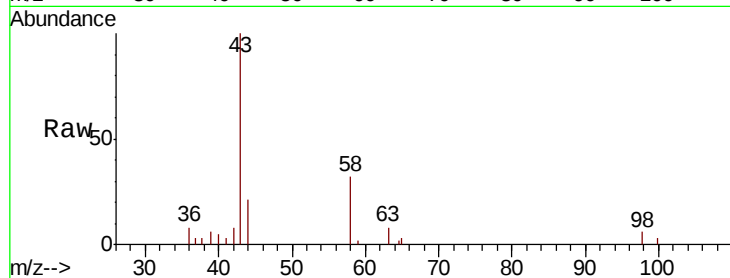
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 9364

Ion Ratio Lower Upper

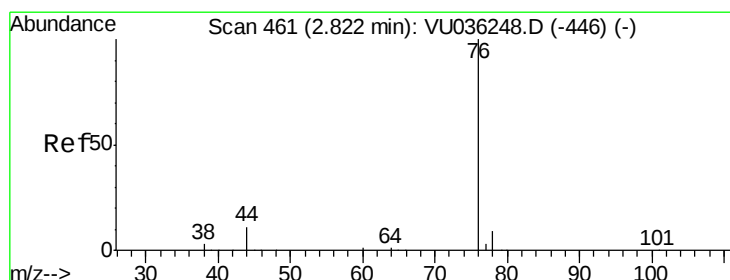
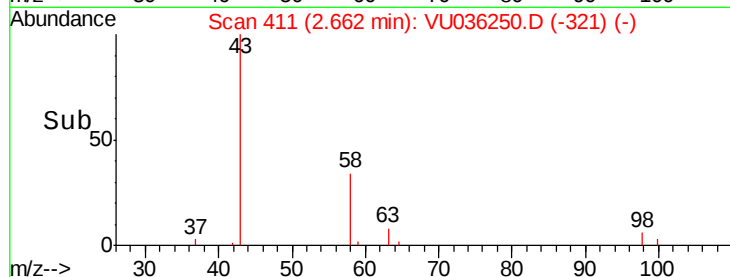
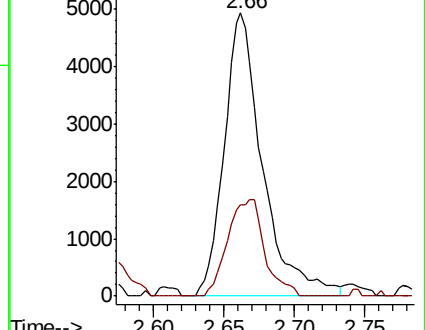
43 100

58 32.8 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036248.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036248.D (-400) (-)



#14

Carbon disulfide

Concen: 0.168 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU036250.D

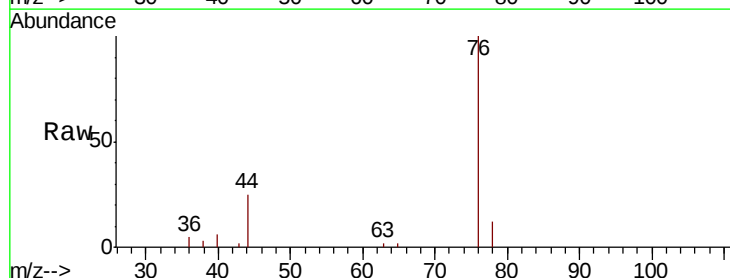
Acq: 17 Dec 2019 11:42

Tgt Ion: 76 Resp: 9666

Ion Ratio Lower Upper

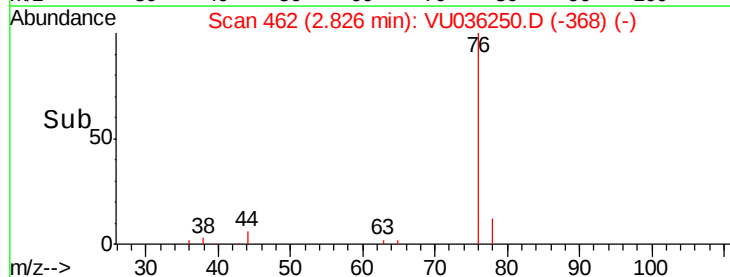
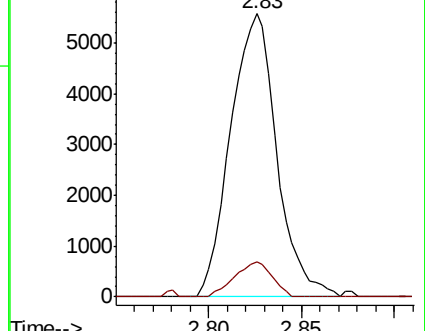
76 100

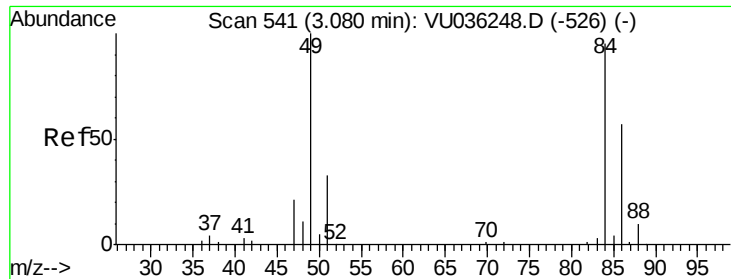
78 12.5 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU036248.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU036248.D (-446) (-)

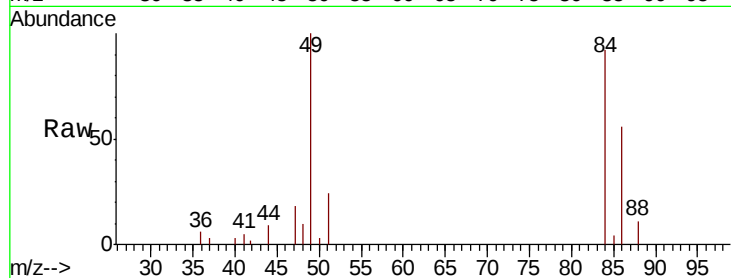




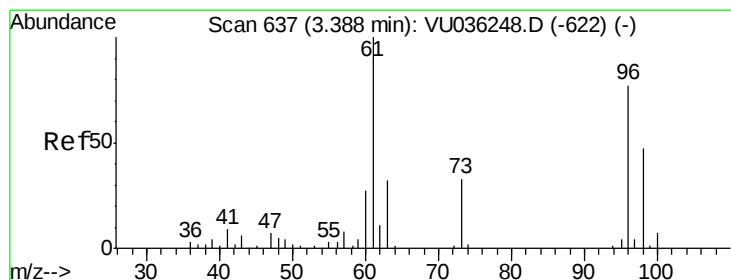
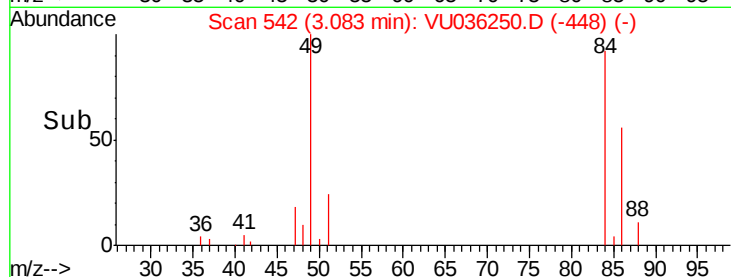
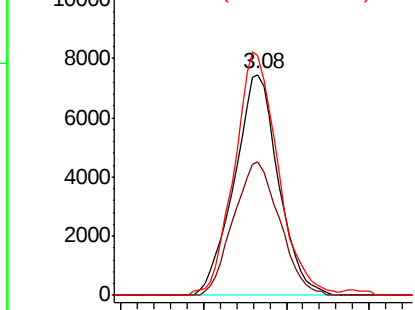
#16
Methylene chloride
Concen: 0.547 ug/L
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU036250.D
Acq: 17 Dec 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 84 Resp: 13795
Ion Ratio Lower Upper
84 100
86 60.6 43.0 79.8
49 108.6 77.3 143.5

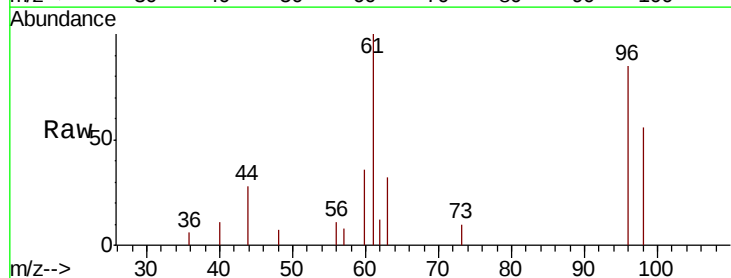


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

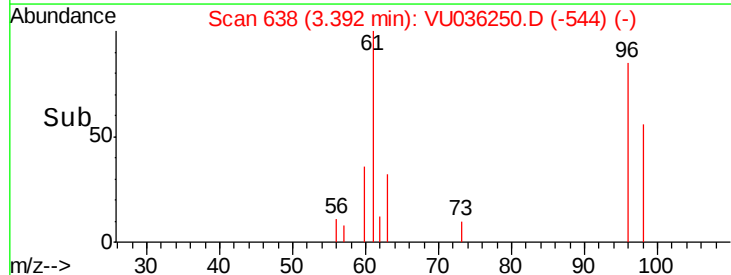
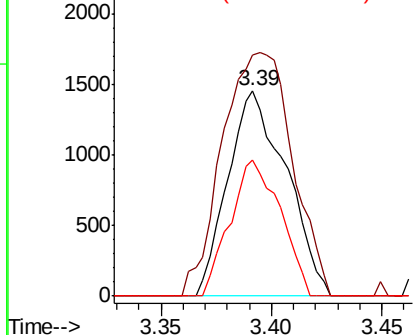


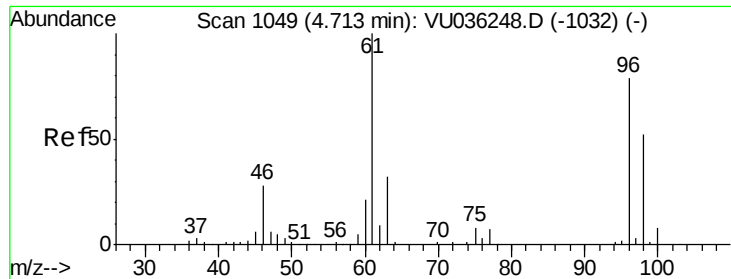
#18
trans-1,2-Dichloroethene
Concen: 0.148 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU036250.D
Acq: 17 Dec 2019 11:42

Tgt Ion: 96 Resp: 2662
Ion Ratio Lower Upper
96 100
61 117.3 94.8 176.2
98 66.2 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

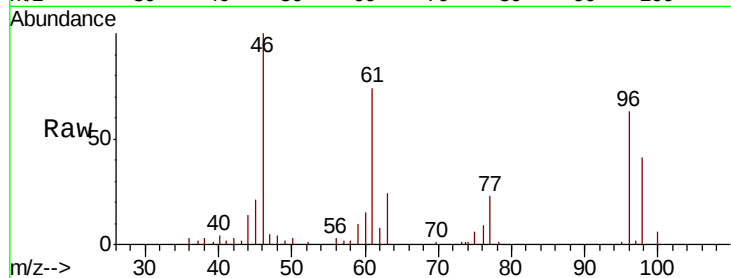




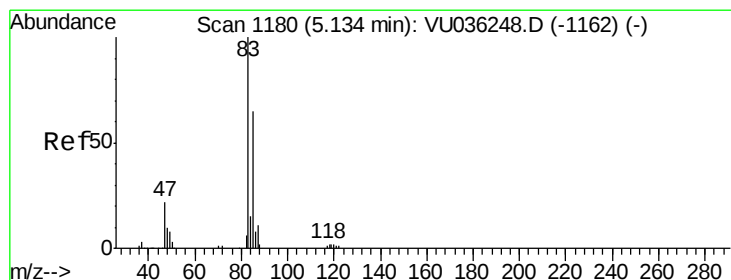
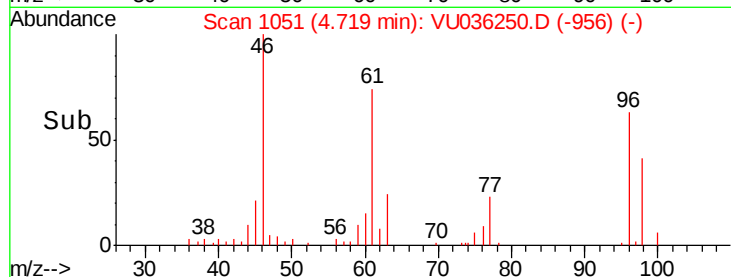
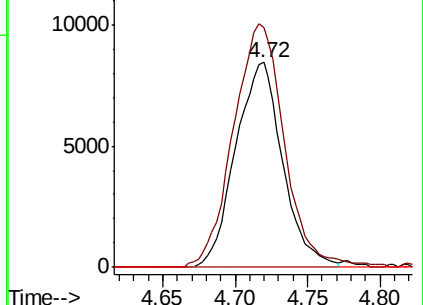
#22
 cis-1,2-Dichloroethene
 Concen: 0.988 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VU036250.D
 Acq: 17 Dec 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 19050
 Ion Ratio Lower Upper
 96 100
 61 116.8 86.7 161.1
 68 0.0 0.0 0.0

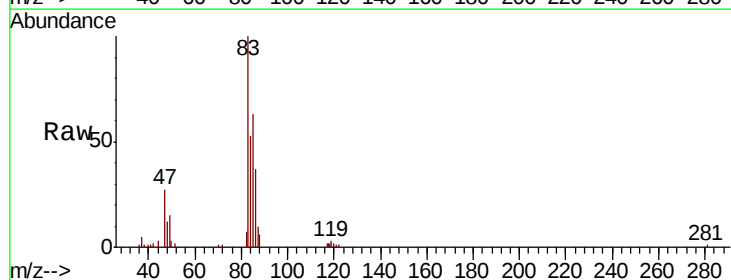


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

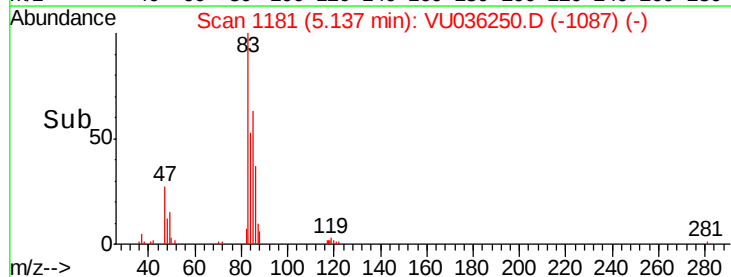
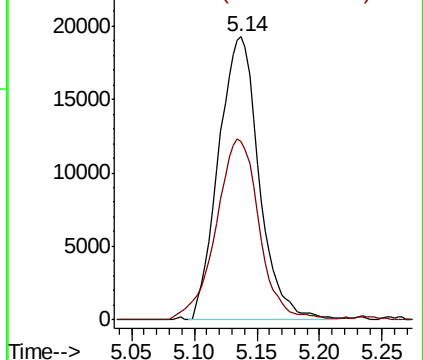


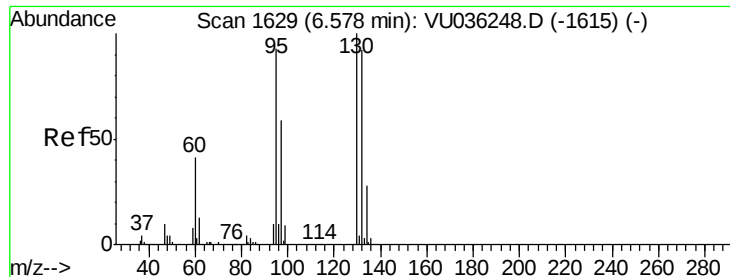
#25
 Chloroform
 Concen: 1.204 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU036250.D
 Acq: 17 Dec 2019 11:42

Tgt Ion: 83 Resp: 43234
 Ion Ratio Lower Upper
 83 100
 85 63.2 47.5 88.1



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 9.619 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036250.D

Acq: 17 Dec 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 197460

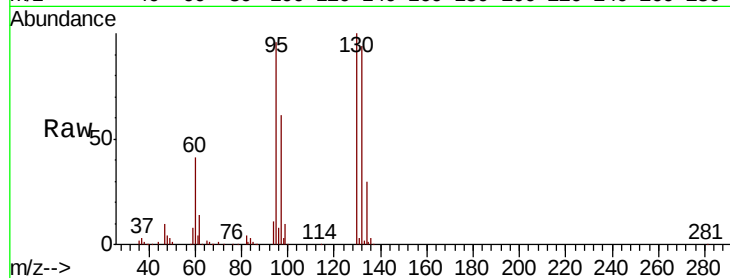
Ion Ratio Lower Upper

95 100

97 63.8 43.6 81.0

132 97.7 69.6 129.2

130 104.1 70.3 130.7



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

150000

100000

50000

0

6.58

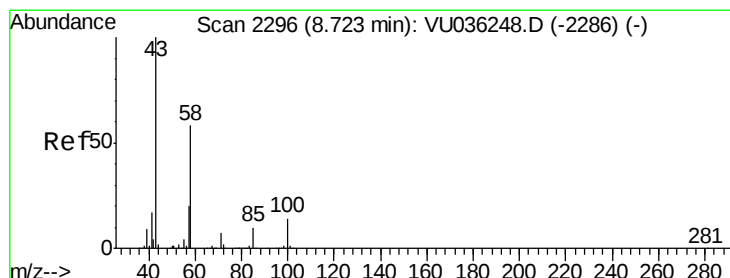
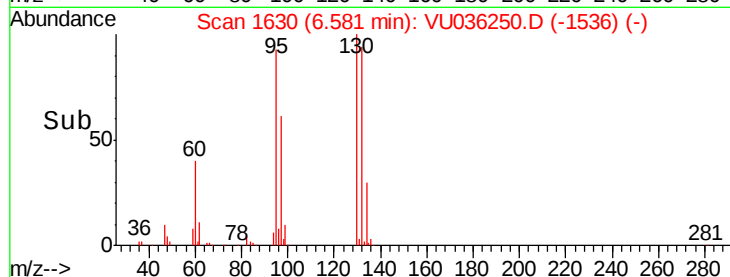
6.50

6.55

6.60

6.65

Time-->



#48

2-Hexanone

Concen: 2.037 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. -0.03 min

Lab File: VU036250.D

Acq: 17 Dec 2019 11:42

Tgt Ion: 43 Resp: 16150

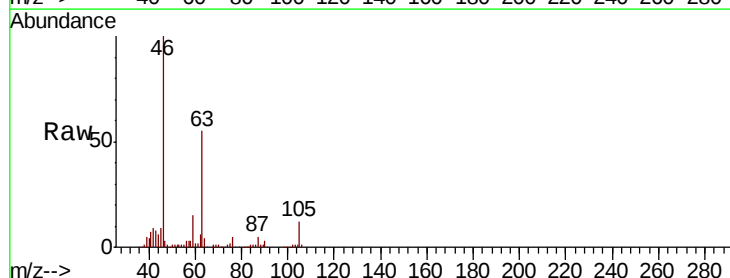
Ion Ratio Lower Upper

43 100

58 44.9 46.2 69.2#

57 45.4 16.2 24.4#

100 1.3 10.2 15.4#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

10000

8000

6000

4000

2000

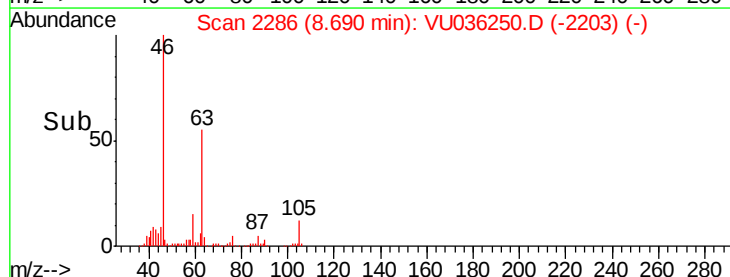
0

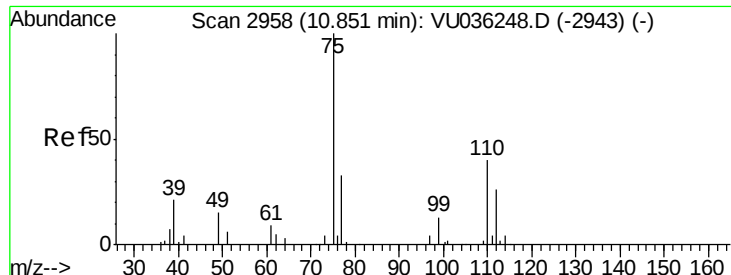
8.69

8.65

8.70

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.641 ug/L

RT: 11.84 min Scan# 3265

Delta R.T. 0.99 min

Lab File: VU036250.D

Acq: 17 Dec 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 8650

Ion Ratio Lower Upper

75 100

77 37.2 27.2 40.8

