

Data File : VU035837.D
Acq On : 25 Nov 2019 20:56
Operator : JC/SP
Sample : K5992-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARE9

Quant Time: Nov 26 01:08:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	245951	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	279195	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	94722	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	128660	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	1.93	69	127800	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.60	63	210714	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	4.69	46	432277	58.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.28%
24) Chloroform-d	5.11	84	251903	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.75	65	154976	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.77	84	499562	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.74	67	182659	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.93	98	419937	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	8.21	79	64186	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.68	63	369097	65.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.50%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	155171	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	108217	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

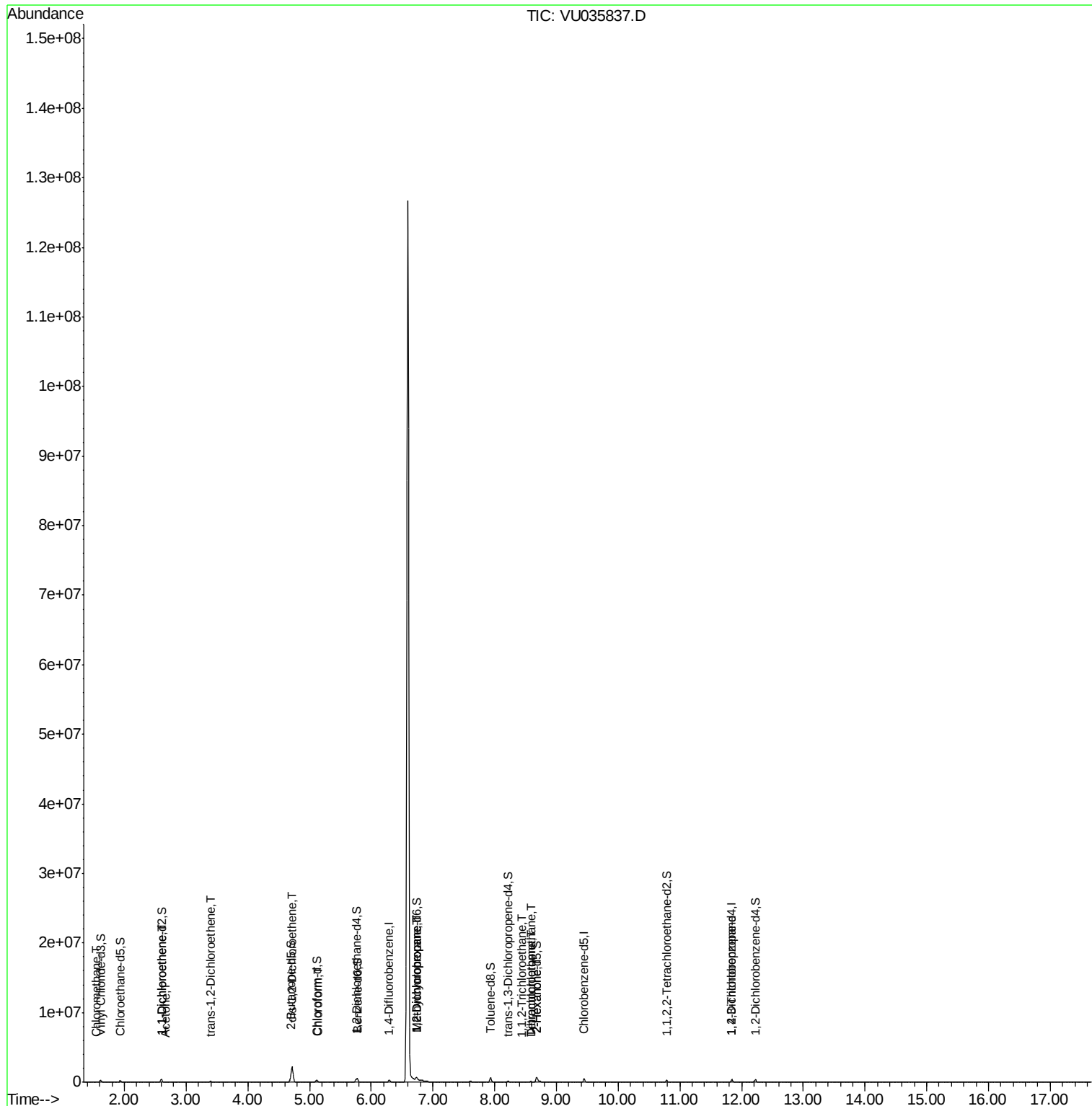
					Qvalue
3) Chloromethane	1.54	50	4035	0.098 ug/L	94
12) 1,1-Dichloroethene	2.61	96	67819	2.650 ug/L	92
13) Acetone	2.67	43	8153	1.248 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	39287	1.559 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	1043187	37.149 ug/L	96
25) Chloroform	5.14	83	27543	0.500 ug/L	99
35) Methylcyclohexane	6.74	83	42171	1.006 ug/L #	13
37) 1,2-Dichloropropane	6.74	63	19595	0.593 ug/L #	91
45) 1,1,2-Trichloroethane	8.43	97	9624	0.447 ug/L	91
47) Tetrachloroethene	8.59	164	26126	1.202 ug/L	97
48) 2-Hexanone	8.68	43	39525	2.646 ug/L #	66
49) Dibromochloromethane	8.58	129	25765	1.014 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	13089	0.609 ug/L	92

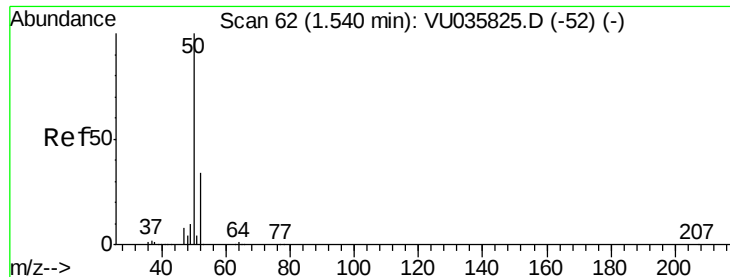
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.098 ug/L

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Instrument :

MSVOA_U

ClientSampleId :

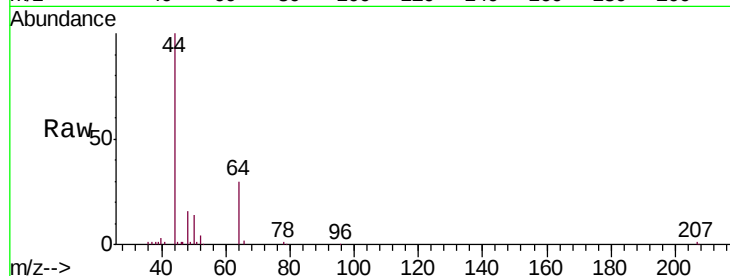
GARE9

Tgt Ion: 50 Resp: 4035

Ion Ratio Lower Upper

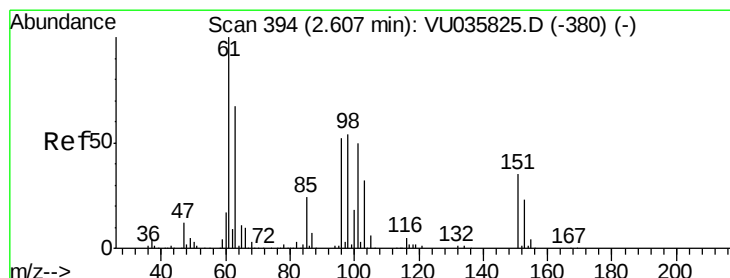
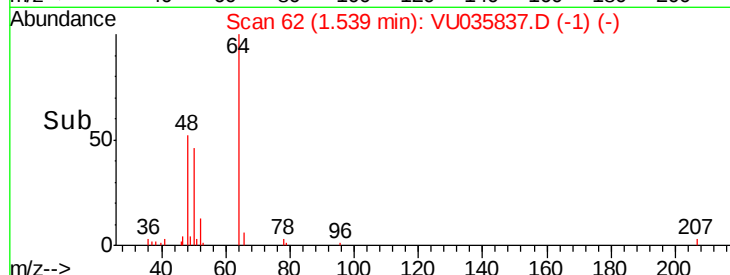
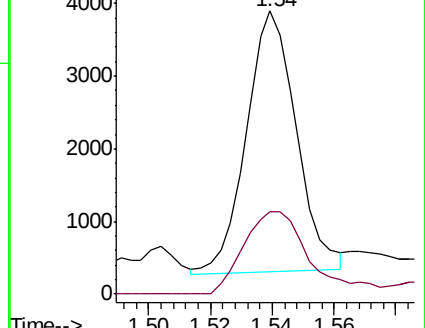
50 100

52 28.9 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035825.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035825.D (-52) (-)



#12

1,1-Dichloroethene

Concen: 2.650 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

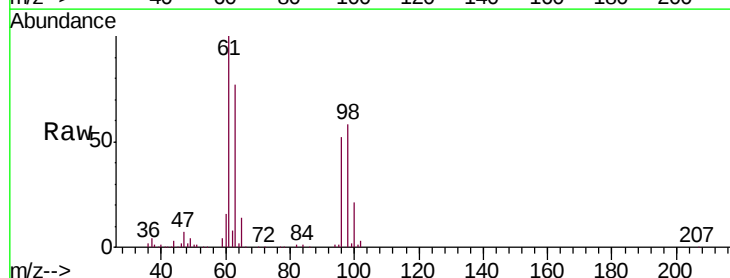
Tgt Ion: 96 Resp: 67819

Ion Ratio Lower Upper

96 100

61 193.0 139.3 258.7

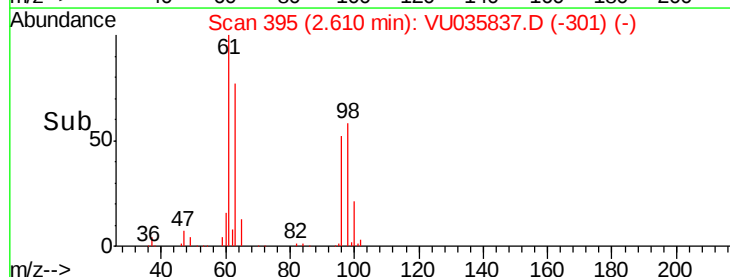
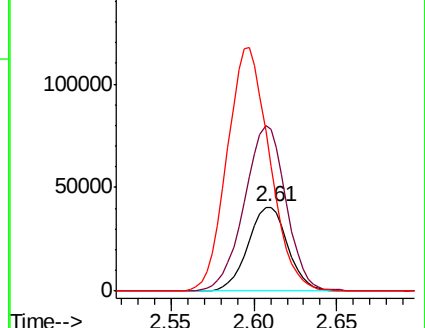
63 149.1 93.7 174.1

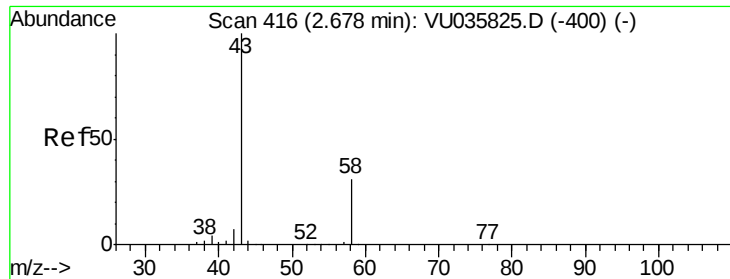


Abundance Ion 96.00 (95.70 to 96.70): VU035825.D (-380) (-)

Ion 61.05 (60.75 to 61.75): VU035825.D (-380) (-)

Ion 63.00 (62.70 to 63.70): VU035825.D (-380) (-)





#13

Acetone

Concen: 1.248 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Instrument :

MSVOA_U

ClientSampled :

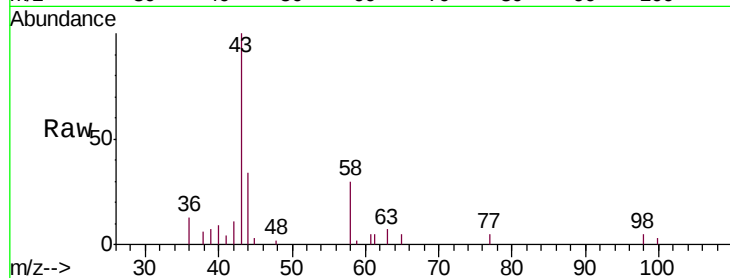
GARE9

Tgt Ion: 43 Resp: 8153

Ion Ratio Lower Upper

43 100

58 32.3 0.0 61.2

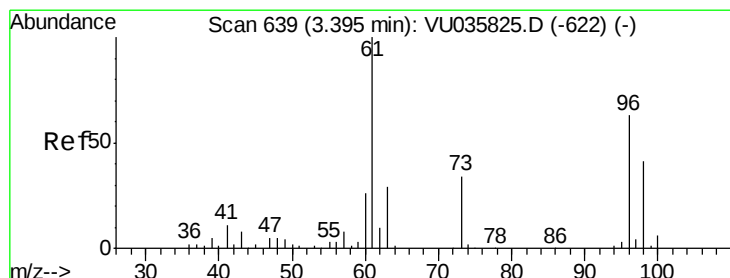
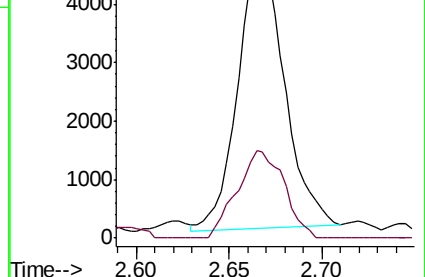
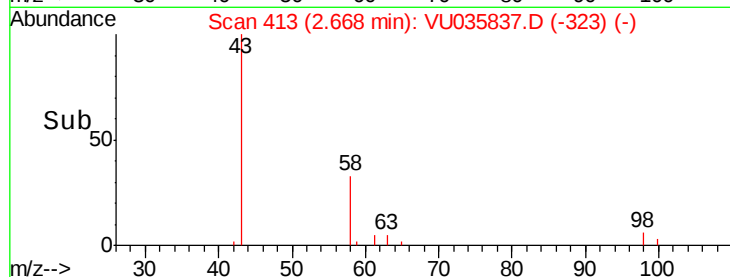


Abundance Ion 43.05 (42.75 to 43.75): VU035837.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035837.D (-323) (-)

2.67

Time-->



#18

trans-1,2-Dichloroethene

Concen: 1.559 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

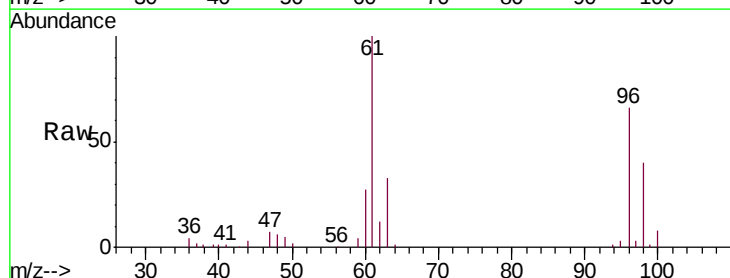
Tgt Ion: 96 Resp: 39287

Ion Ratio Lower Upper

96 100

61 150.8 111.1 206.3

98 60.0 43.1 80.1



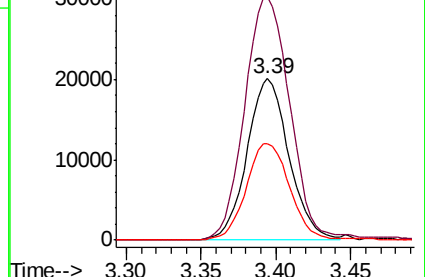
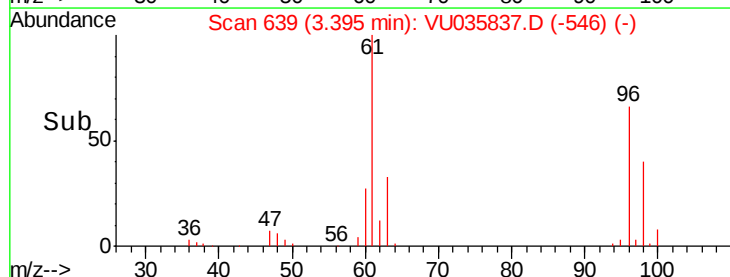
Abundance Ion 96.00 (95.70 to 96.70): VU035837.D (-546) (-)

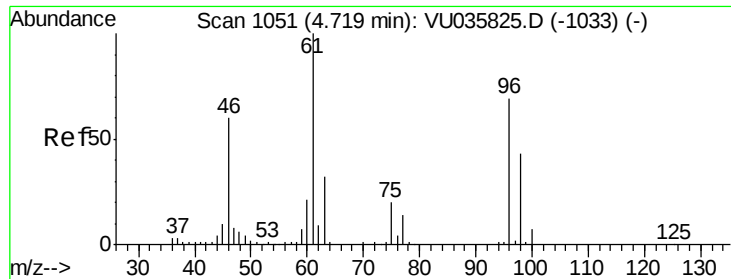
Ion 61.05 (60.75 to 61.75): VU035837.D (-546) (-)

Ion 97.95 (97.65 to 98.65): VU035837.D (-546) (-)

3.39

Time-->





#22

cis-1,2-Dichloroethene

Concen: 37.149 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Instrument :

MSVOA_U

ClientSampleId :

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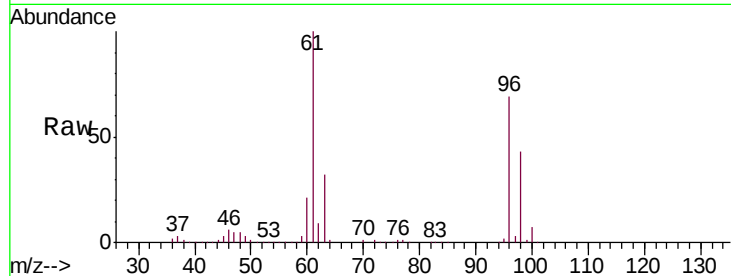
Tgt Ion: 96 Resp: 1043187

Ion Ratio Lower Upper

96 100

61 145.4 98.1 182.1

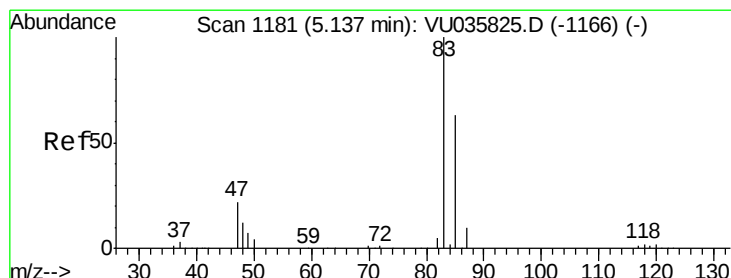
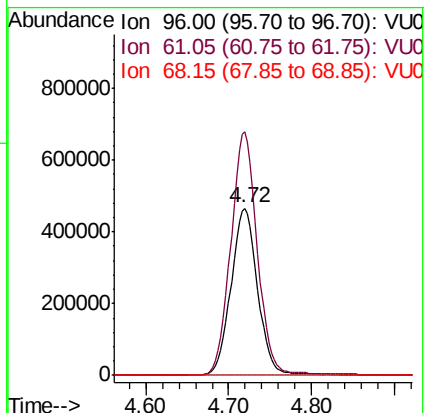
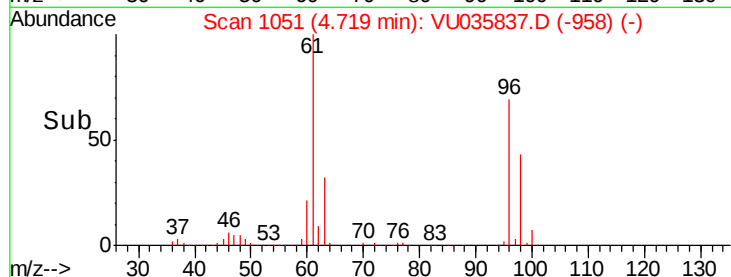
68 0.0 0.0 0.0



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: 0.500 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VU035837.D

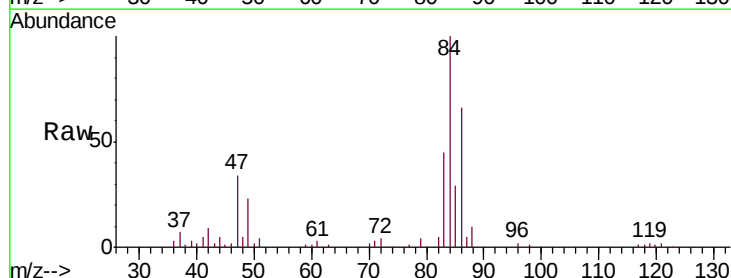
Acq: 25 Nov 2019 20:56

Tgt Ion: 83 Resp: 27543

Ion Ratio Lower Upper

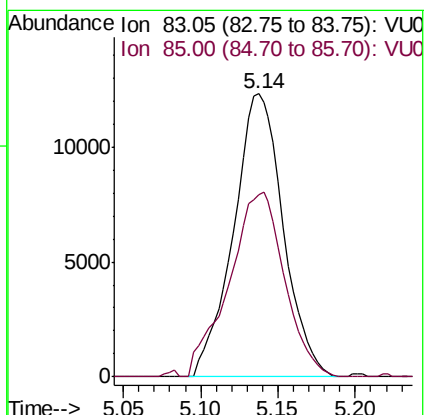
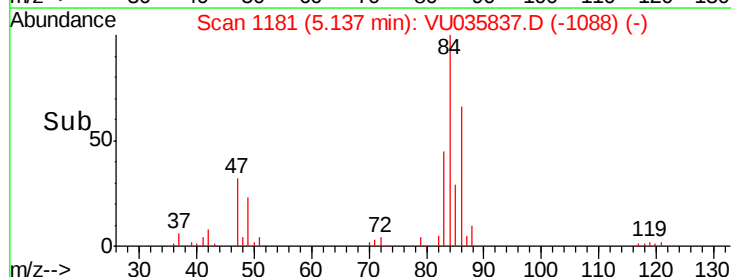
83 100

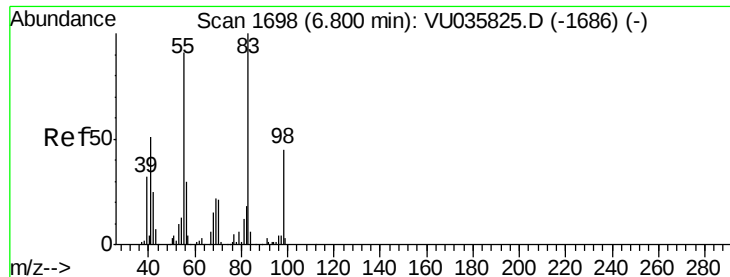
85 64.4 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#35

Methylcyclohexane

Concen: 1.006 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Instrument :

MSVOA_U

ClientSampleId :

GARE9

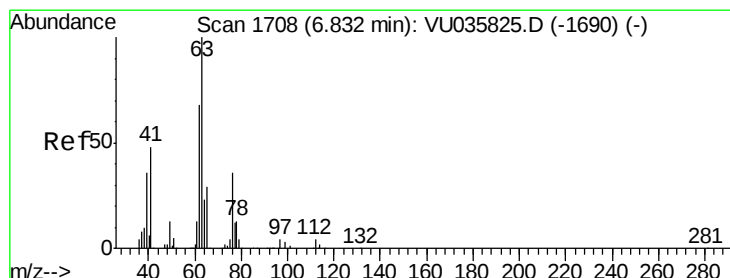
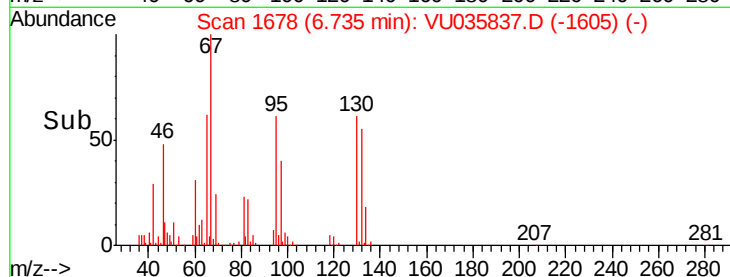
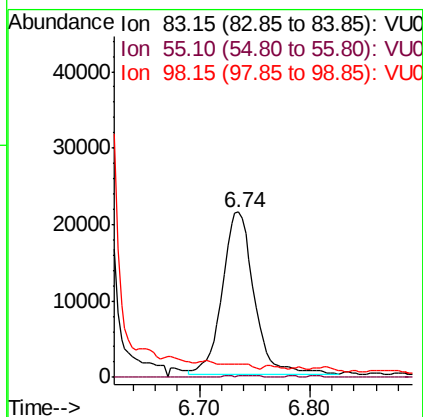
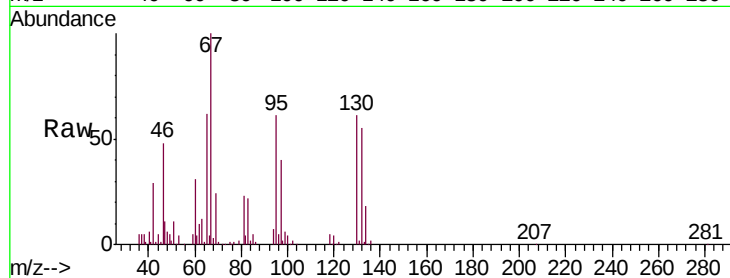
Tgt Ion: 83 Resp: 42171

Ion Ratio Lower Upper

83 100

55 0.5 72.7 109.1#

98 0.0 36.2 54.4#



#37

1,2-Dichloropropane

Concen: 0.593 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035837.D

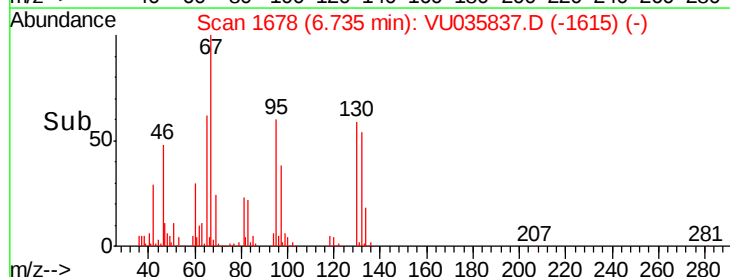
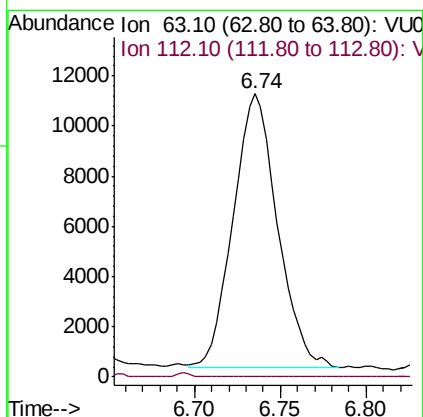
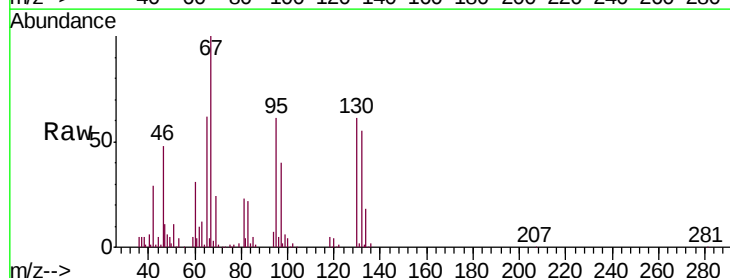
Acq: 25 Nov 2019 20:56

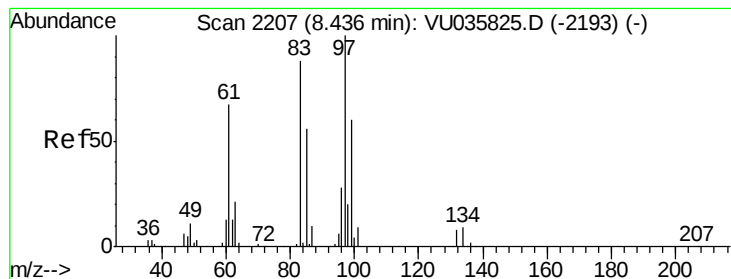
Tgt Ion: 63 Resp: 19595

Ion Ratio Lower Upper

63 100

112 0.4 2.7 4.1#





#45

1,1,2-Trichloroethane

Concen: 0.447 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Instrument :

MSVOA_U

ClientSampleId :

GARE9

Tgt Ion: 97 Resp: 9624

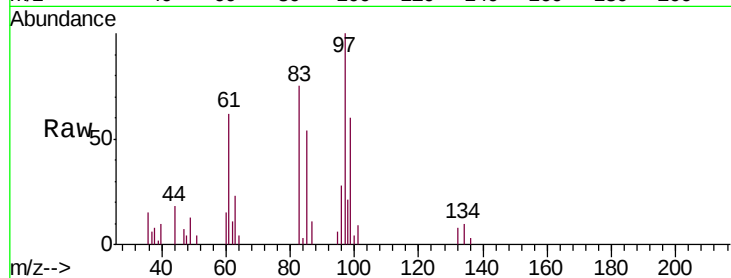
Ion Ratio Lower Upper

97 100

99 60.1 44.2 82.0

83 74.7 62.2 115.6

85 54.2 41.5 77.1

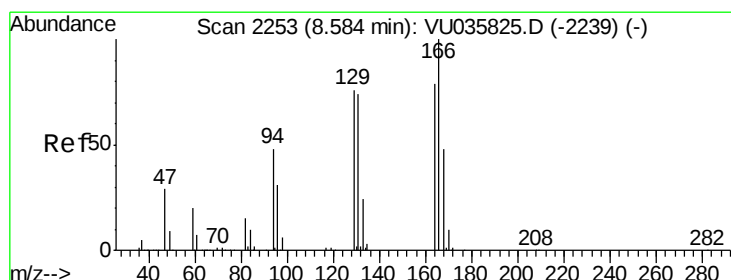
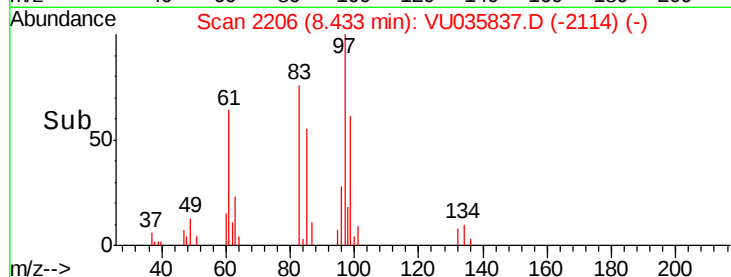
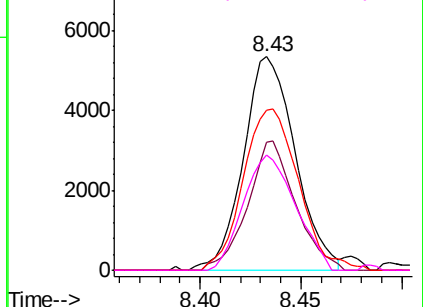


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 1.202 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Tgt Ion: 164 Resp: 26126

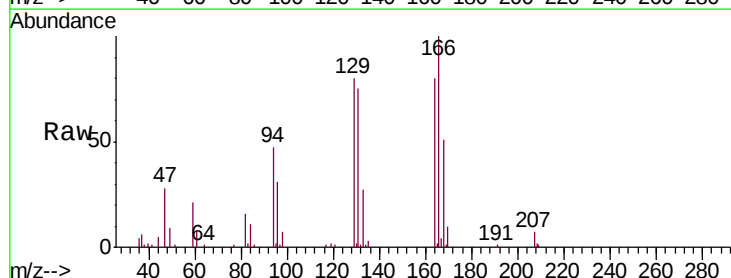
Ion Ratio Lower Upper

164 100

129 100.3 68.8 127.8

131 93.6 67.3 124.9

166 125.3 91.6 170.2

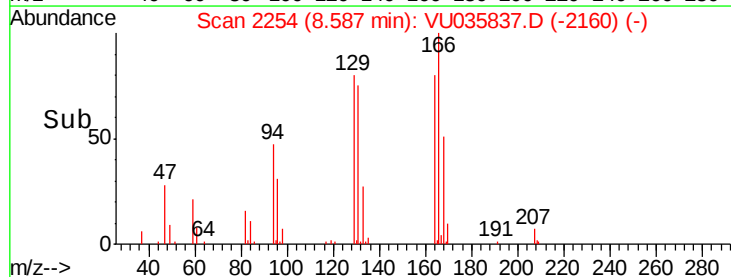
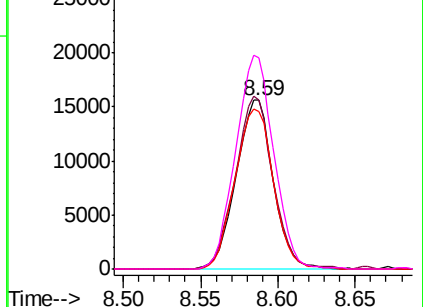


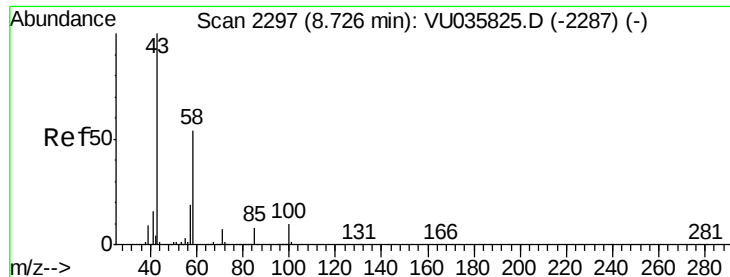
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

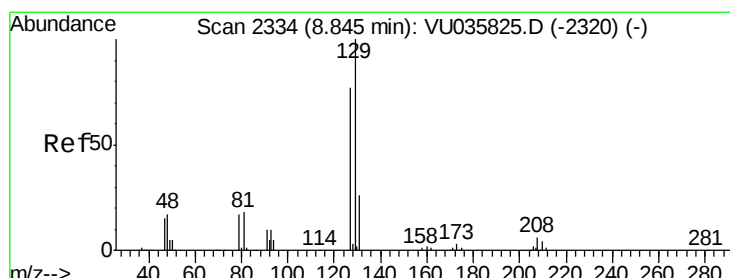
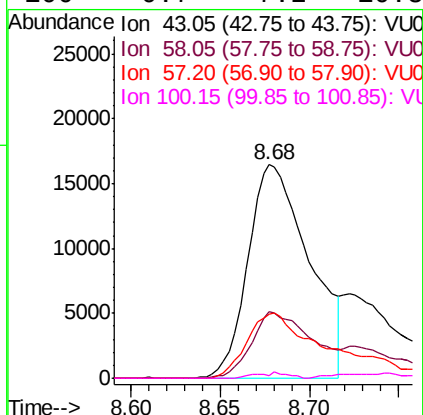
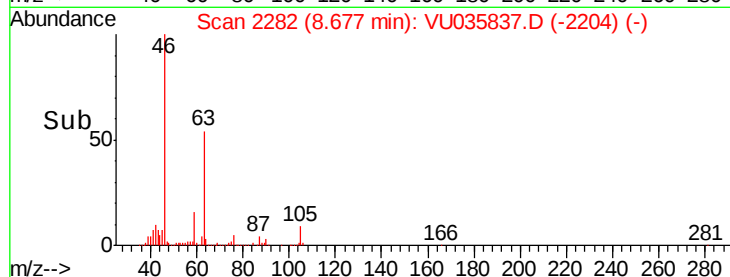
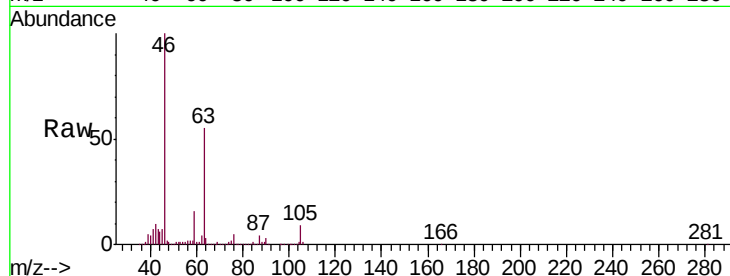




#48
2-Hexanone
Concen: 2.646 ug/L
RT: 8.68 min Scan# 2282
Delta R.T. -0.05 min
Lab File: VU035837.D
Acq: 25 Nov 2019 20:56

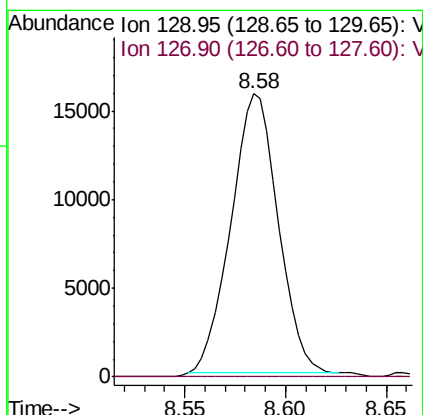
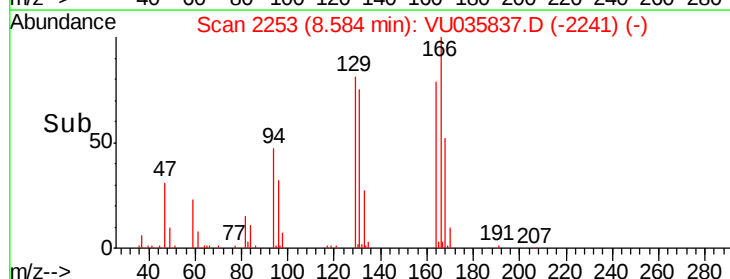
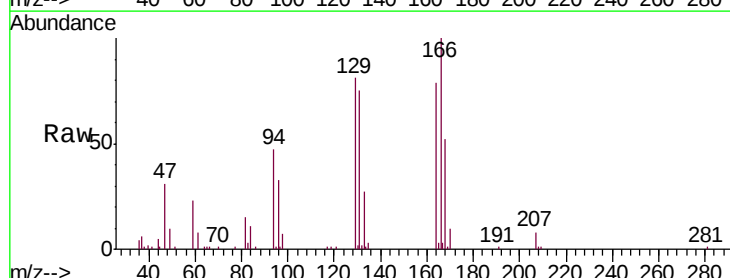
Instrument :
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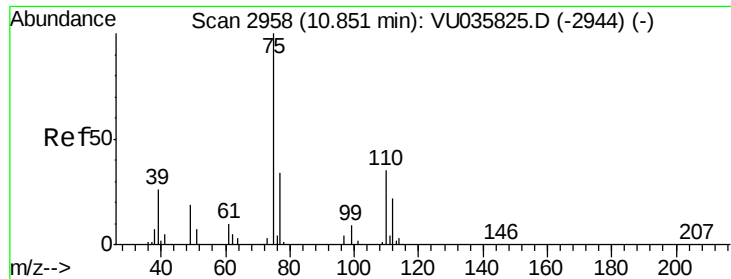
Tgt Ion: 43 Resp: 39525
Ion Ratio Lower Upper
43 100
58 30.8 39.8 59.8#
57 43.0 14.0 21.0#
100 0.7 7.2 10.8#



#49
Dibromochloromethane
Concen: 1.014 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035837.D
Acq: 25 Nov 2019 20:56

Tgt Ion: 129 Resp: 25765
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.609 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035837.D

Acq: 25 Nov 2019 20:56

Instrument :

MSVOA_U

ClientSampleId :

GARE9

Tgt Ion: 75 Resp: 13089

Ion Ratio Lower Upper

75 100

77 36.4 25.4 38.2

