

Data File : VU035838.D
Acq On : 25 Nov 2019 21:21
Operator : JC/SP
Sample : K5992-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF0

Quant Time: Nov 26 01:08:33 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	265331	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	290064	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	98081	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	449640	12.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	259.40%#
7) Chloroethane-d5	1.93	69	125746	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.61	63	2799674	43.45	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	869.00%#
20) 2-Butanone-d5	4.71	46	568818	70.91	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.82%#
24) Chloroform-d	5.11	84	262282	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	5.75	65	155672	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.77	84	523843	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	6.75	67	198966	5.34	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	450007	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	8.21	79	69390	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.68	63	386562	66.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.56%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	158310	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	107784	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

						Qvalue
3) Chloromethane	1.62	50	237014	5.355	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	11264	0.385	ug/L #	37
12) 1,1-Dichloroethene	2.61	96	4409128	159.708	ug/L #	70
13) Acetone	2.67	43	7453	1.058	ug/L	93
16) Methylene chloride	3.09	84	2506	0.075	ug/L	94
18) trans-1,2-Dichloroethene	3.39	96	994484	36.582	ug/L	98
19) 1,1-Dichloroethane	3.92	63	37437	0.613	ug/L	93
25) Chloroform	5.14	83	46035	0.775	ug/L	98
27) 1,2-Dichloroethane	5.84	62	13394	0.343	ug/L #	93
30) Cyclohexane	5.43	56	28828	0.630	ug/L	98
33) Benzene	5.82	78	89747	0.741	ug/L	100
35) Methylcyclohexane	6.63	83	3185510	73.119	ug/L #	1
37) 1,2-Dichloropropane	6.62	63	879543	25.613	ug/L #	90
42) Toluene	8.00	91	12190	0.097	ug/L	87
45) 1,1,2-Trichloroethane	8.43	97	41270	1.844	ug/L	97
47) Tetrachloroethene	8.58	164	155971	6.904	ug/L	98
48) 2-Hexanone	8.68	43	60779	3.916	ug/L #	65

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112519\
Quantitation Report (Not Reviewed)

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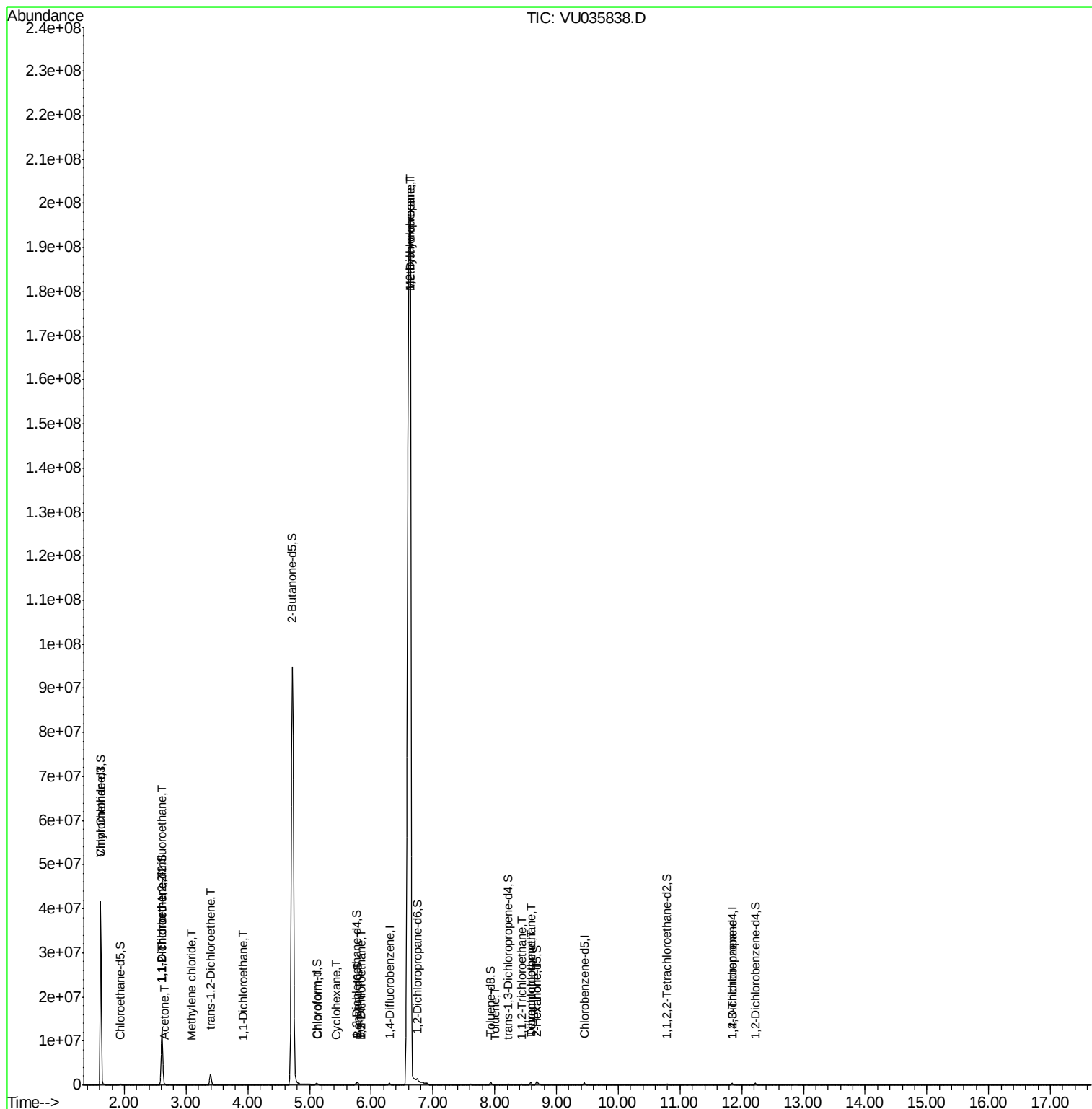
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.58	129	150214	5.690	ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	13511	0.605	ug/L	94

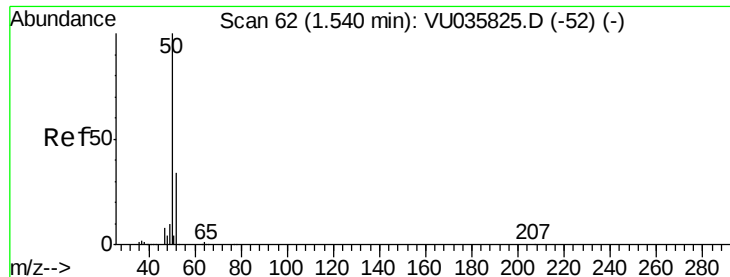
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 5.355 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.08 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

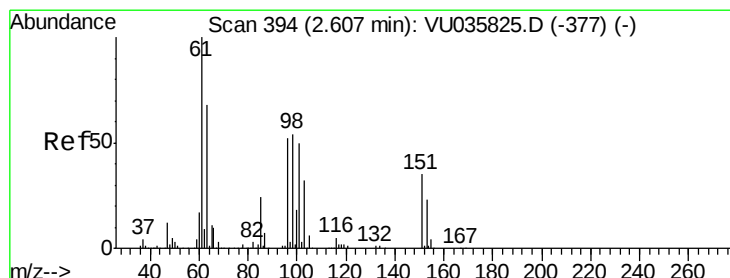
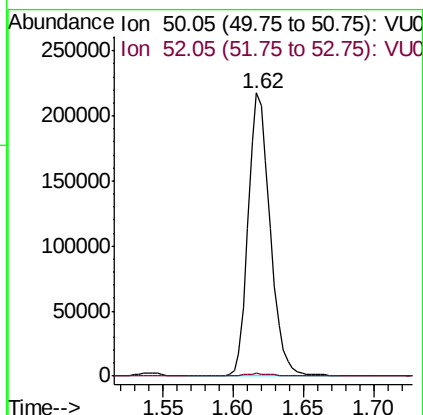
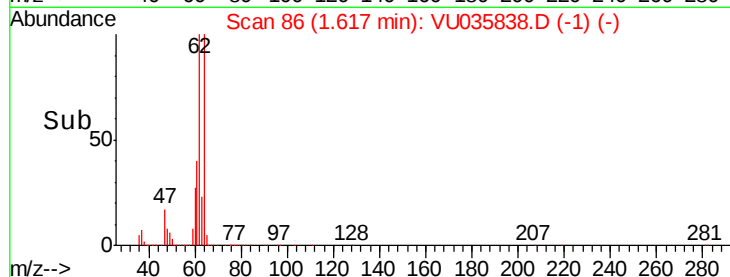
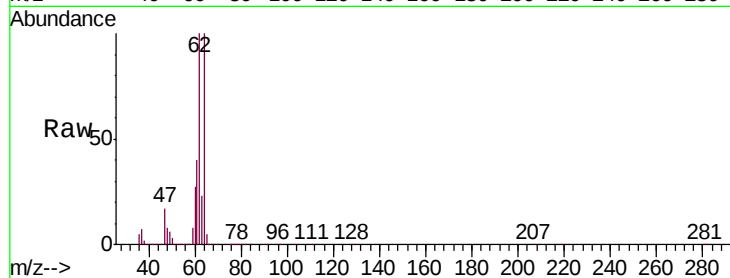
GARF0

Tgt Ion: 50 Resp: 237014

Ion Ratio Lower Upper

50 100

52 0.9 22.7 42.3#



#10

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

Concen: 0.385 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

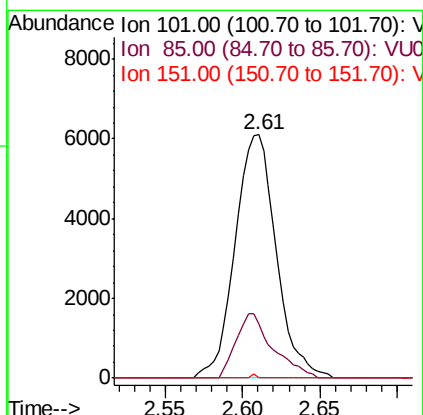
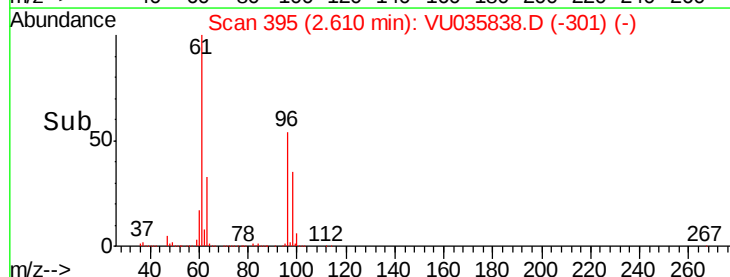
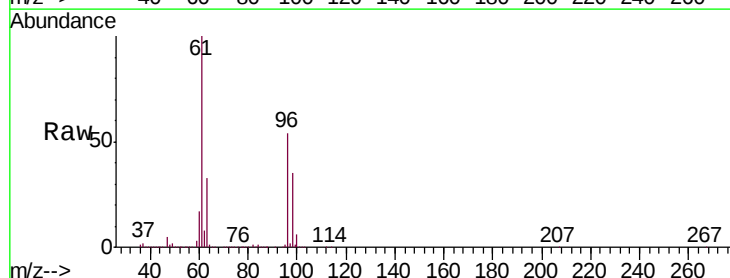
Tgt Ion: 101 Resp: 11264

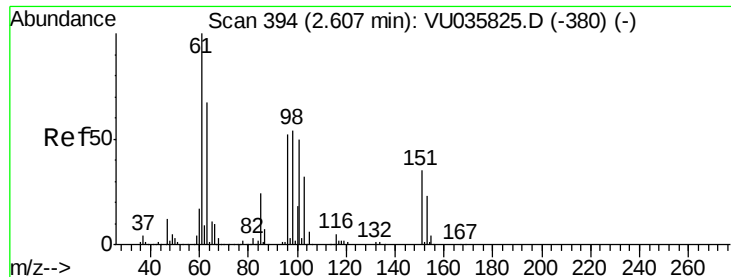
Ion Ratio Lower Upper

101 100

85 23.6 38.1 57.1#

151 0.2 52.0 78.0#





#12

1,1-Dichloroethene

Concen: 159.708 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

GARF0

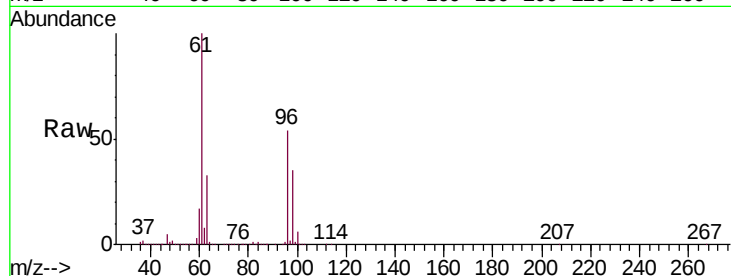
Tgt Ion: 96 Resp: 4409128

Ion Ratio Lower Upper

96 100

61 184.5 139.3 258.7

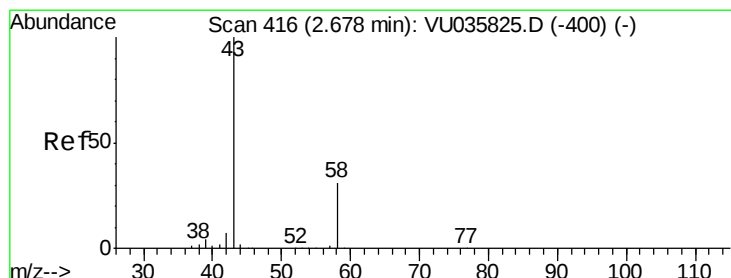
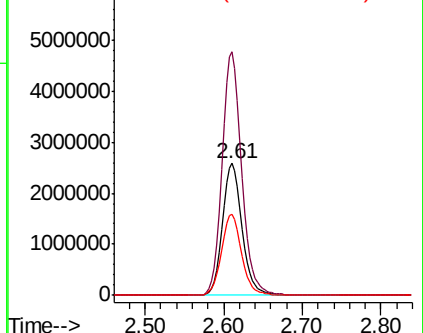
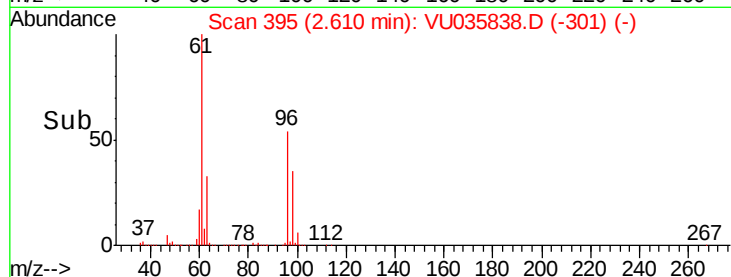
63 61.8 93.7 174.1#



Abundance Ion 96.00 (95.70 to 96.70): VU035838.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035838.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035838.D (-301) (-)



#13

Acetone

Concen: 1.058 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035838.D

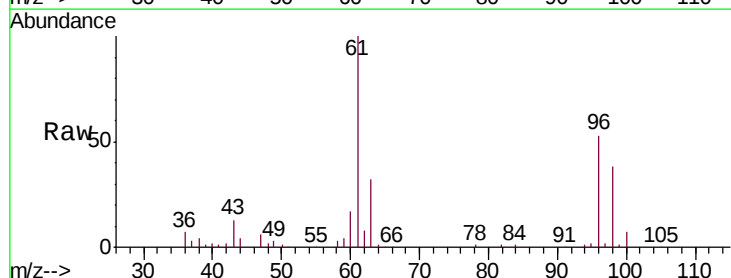
Acq: 25 Nov 2019 21:21

Tgt Ion: 43 Resp: 7453

Ion Ratio Lower Upper

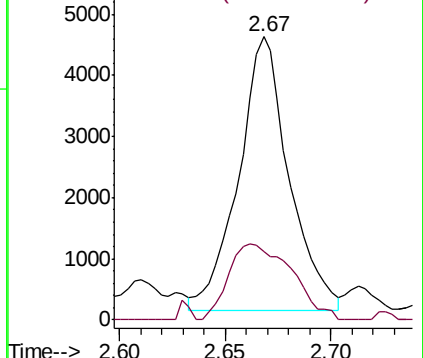
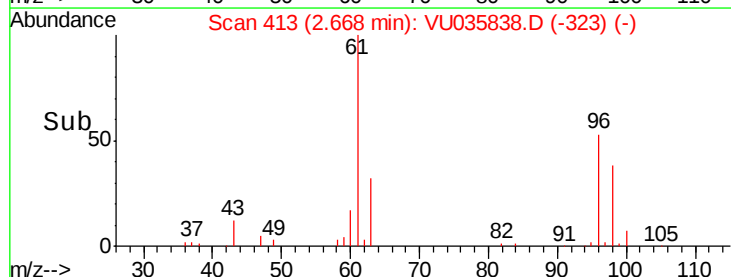
43 100

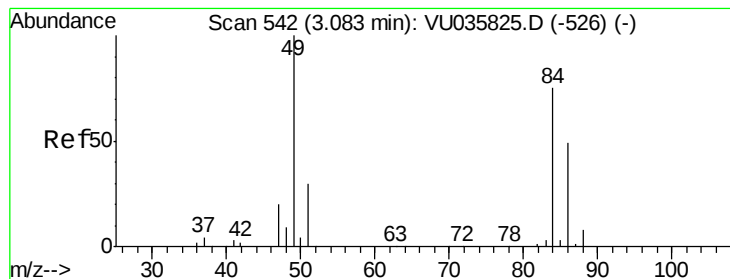
58 34.7 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035838.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035838.D (-323) (-)





#16

Methylene chloride

Concen: 0.075 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

GARF0

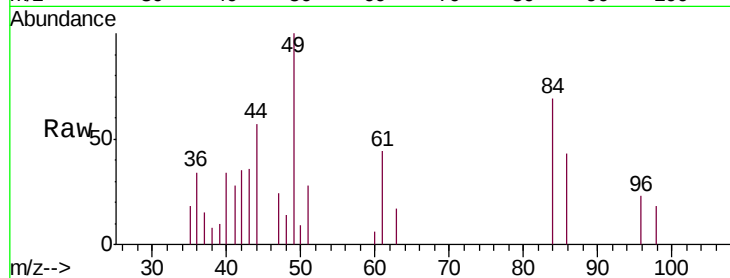
Tgt Ion: 84 Resp: 2506

Ion Ratio Lower Upper

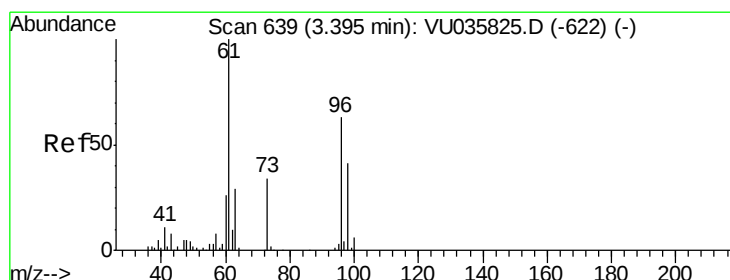
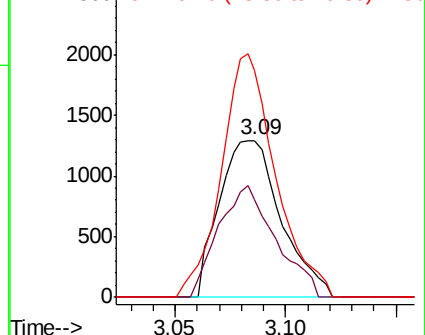
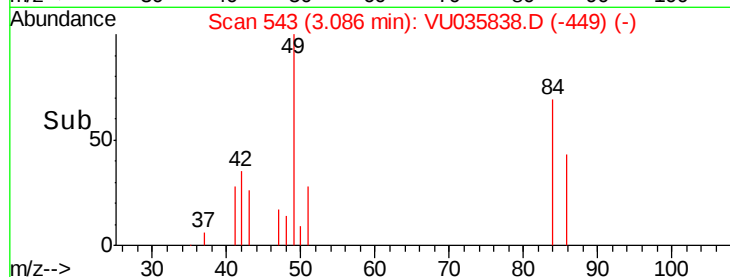
84 100

86 62.2 44.4 82.5

49 144.5 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035838.D (-449) (-)



#18

trans-1,2-Dichloroethene

Concen: 36.582 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

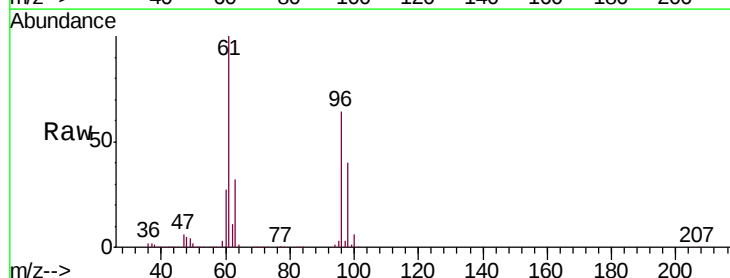
Tgt Ion: 96 Resp: 994484

Ion Ratio Lower Upper

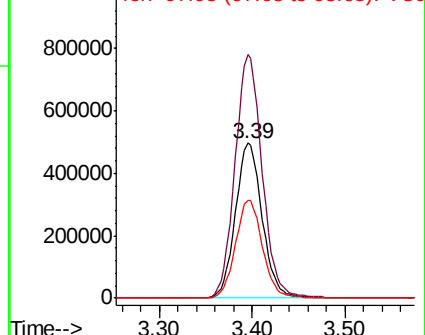
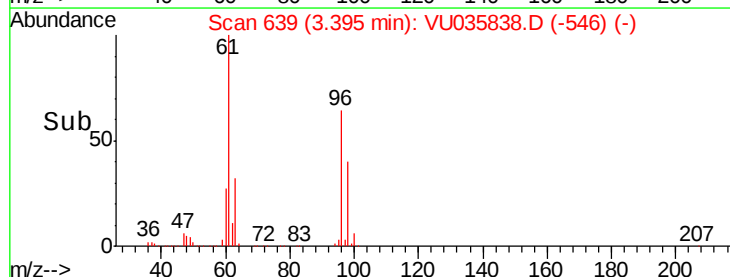
96 100

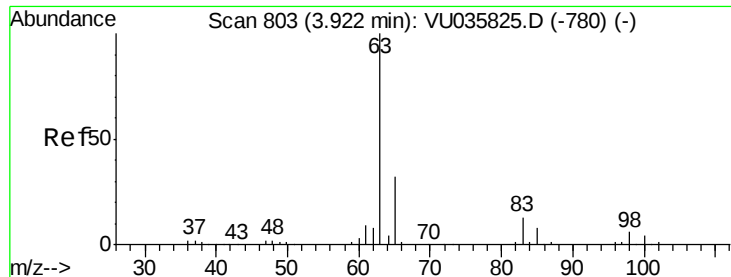
61 157.2 111.1 206.3

98 63.5 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU035838.D (-546) (-)

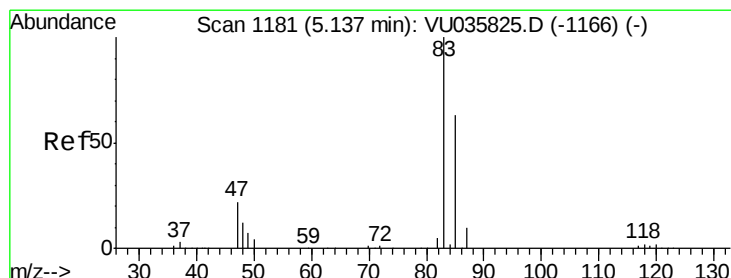
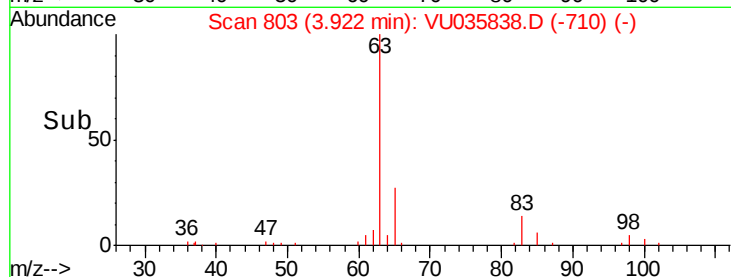
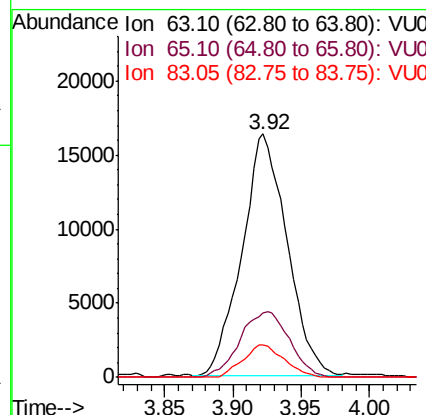
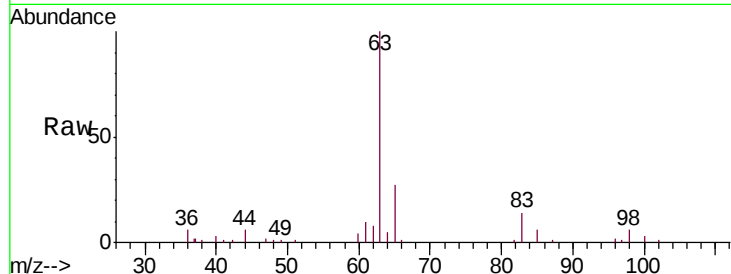




#19
 1,1-Dichloroethane
 Concen: 0.613 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

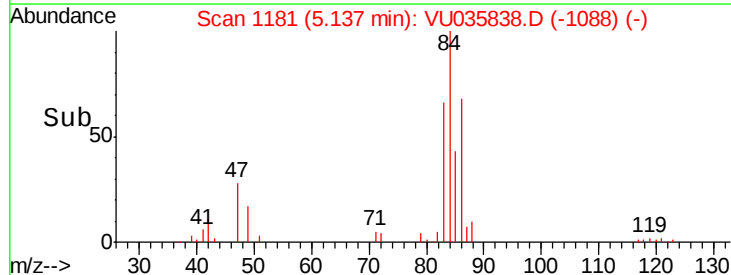
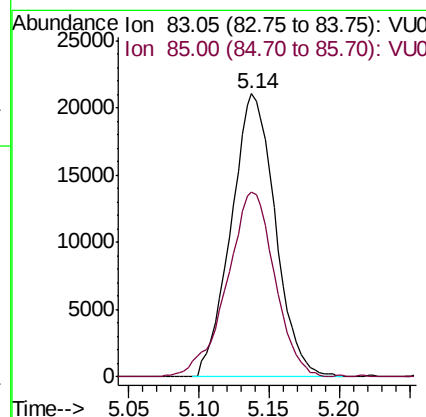
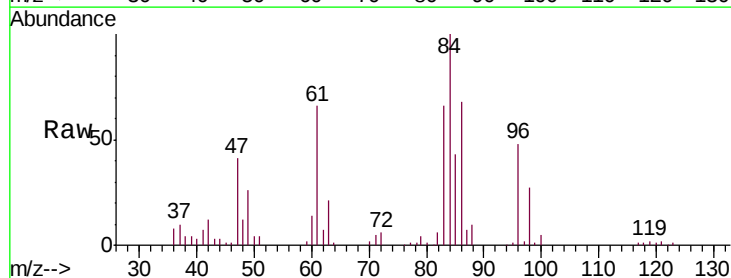
Instrument :
 MSVOA_U
 ClientSampled :
 GARF0

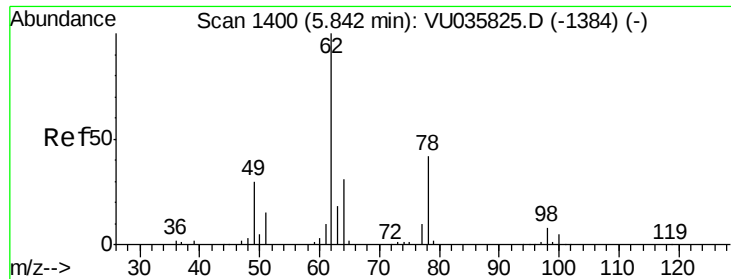
Tgt Ion: 63 Resp: 37437
 Ion Ratio Lower Upper
 63 100
 65 26.6 21.8 40.4
 83 13.6 8.6 16.0



#25
 Chloroform
 Concen: 0.775 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

Tgt Ion: 83 Resp: 46035
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.6 82.8

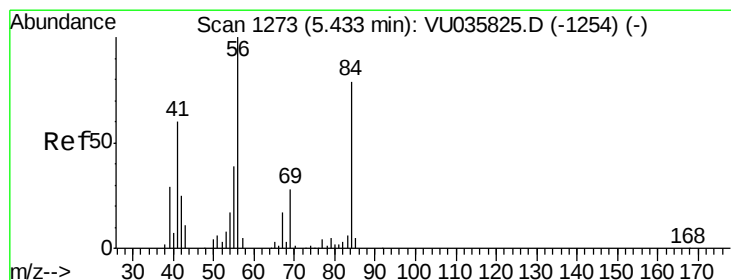
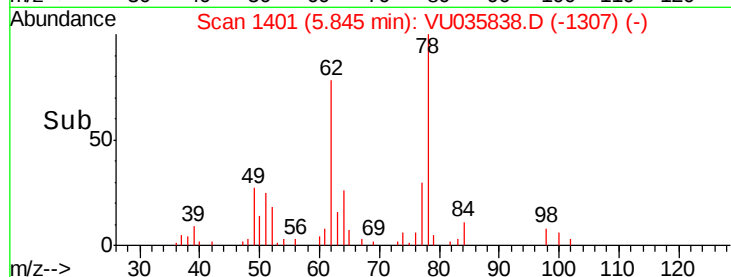
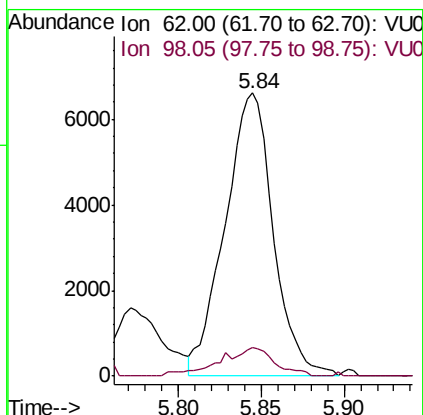
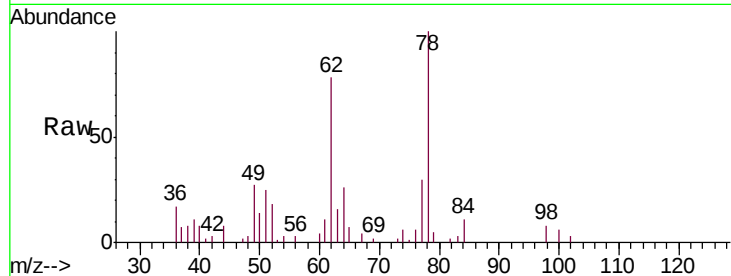




#27
 1,2-Dichloroethane
 Concen: 0.343 ug/L
 RT: 5.84 min Scan# 1401
 Delta R.T. 0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

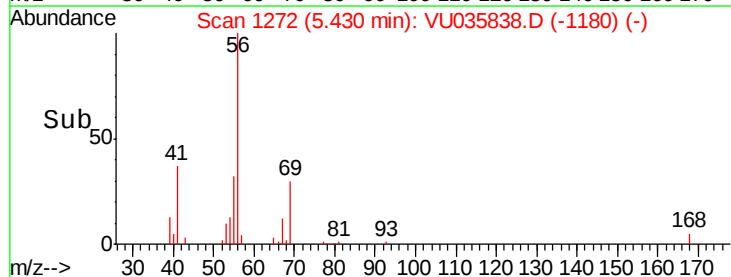
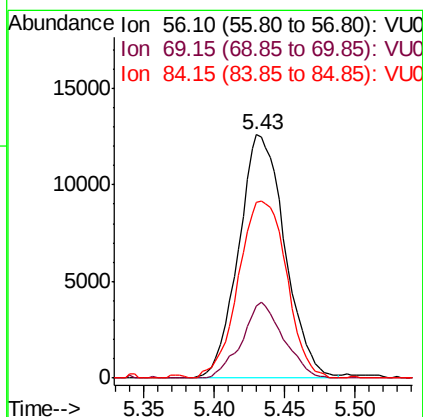
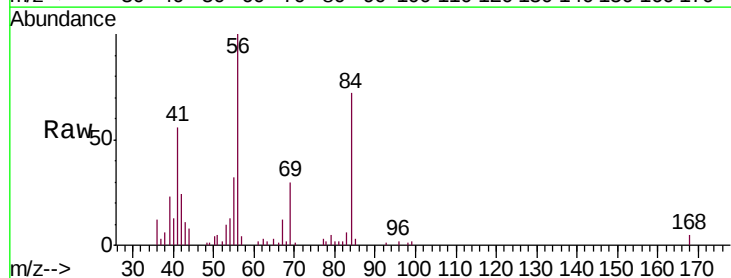
Instrument :
 MSVOA_U
 ClientSampleId :
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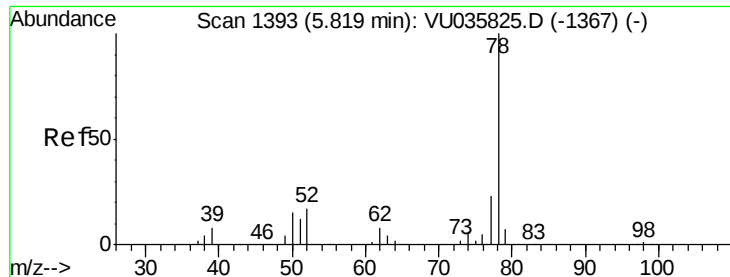
Tgt Ion: 62 Resp: 13394
 Ion Ratio Lower Upper
 62 100
 98 10.1 6.2 9.4#



#30
 Cyclohexane
 Concen: 0.630 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035838.D
 Acq: 25 Nov 2019 21:21

Tgt Ion: 56 Resp: 28828
 Ion Ratio Lower Upper
 56 100
 69 28.0 24.0 36.0
 84 76.0 62.1 93.1





#33

Benzene

Concen: 0.741 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

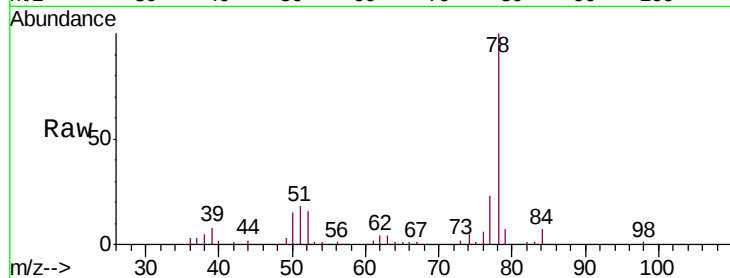
Instrument :

MSVOA_U

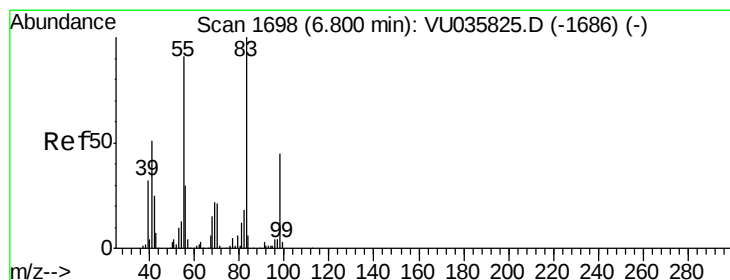
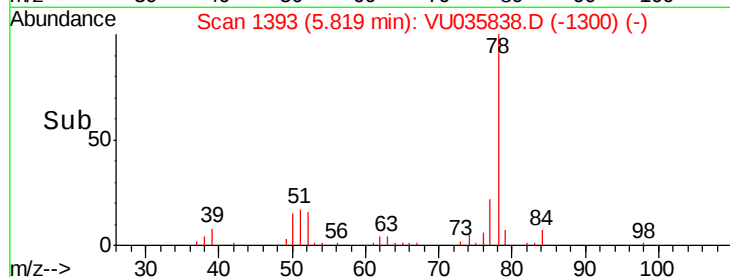
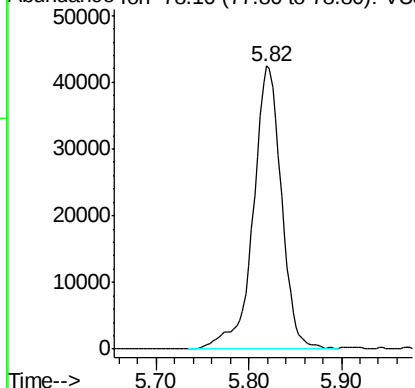
ClientSampleId :

GARF0

Tgt Ion: 78 Resp: 89747



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 73.119 ug/L

RT: 6.63 min Scan# 1644

Delta R.T. -0.17 min

Lab File: VU035838.D

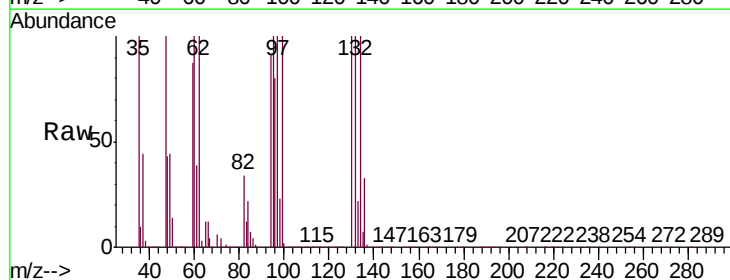
Acq: 25 Nov 2019 21:21

Tgt Ion: 83 Resp: 3185510

Ion	Ratio	Lower	Upper
83	100		

55	0.0	72.7	109.1#
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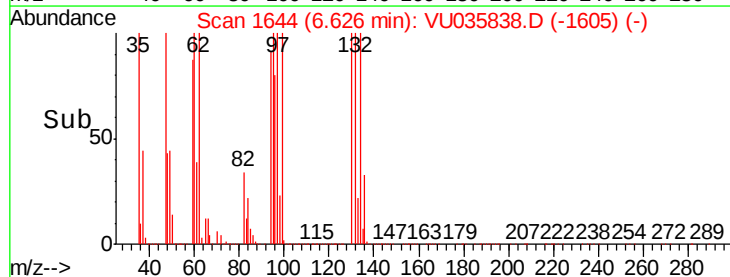
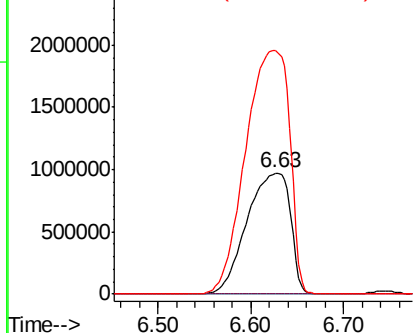
98	203.6	36.2	54.4#
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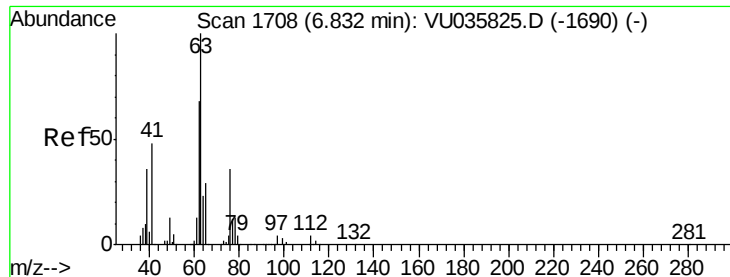


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 25.613 ug/L

RT: 6.62 min Scan# 1643

Delta R.T. -0.21 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

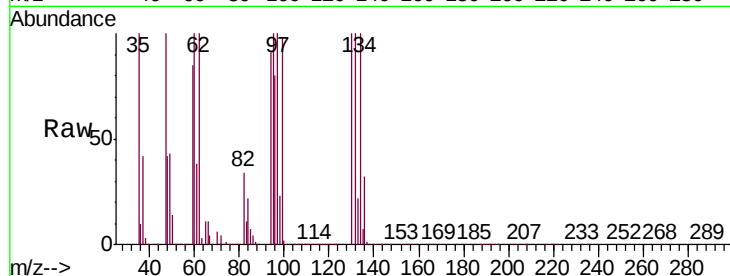
GARF0

Tgt Ion: 63 Resp: 879543

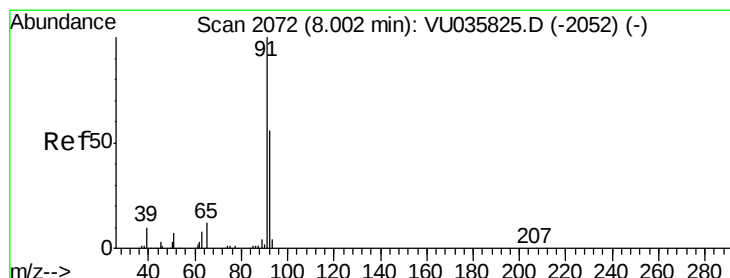
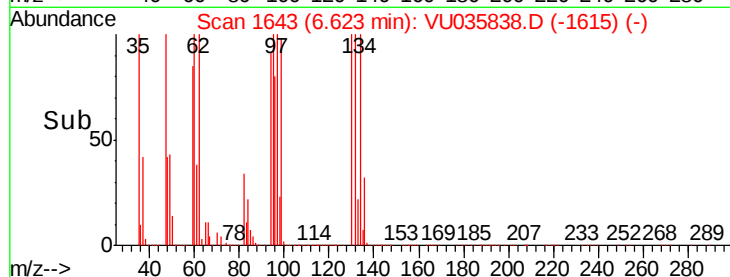
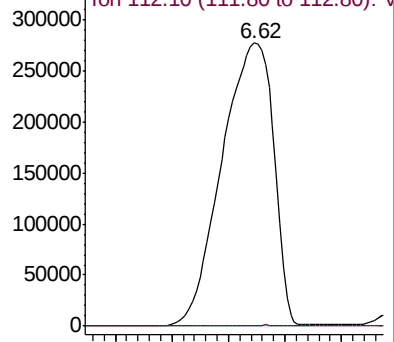
Ion Ratio Lower Upper

63 100

112 0.1 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU035825.D (-1690) (-)



#42

Toluene

Concen: 0.097 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VU035838.D

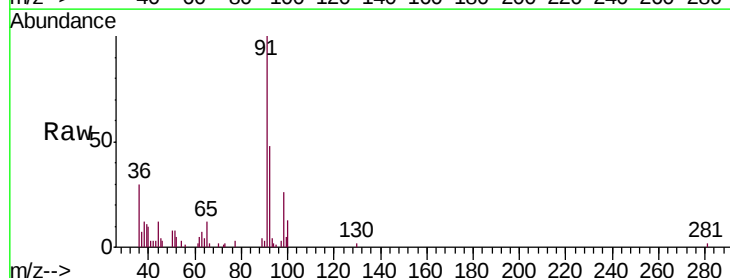
Acq: 25 Nov 2019 21:21

Tgt Ion: 91 Resp: 12190

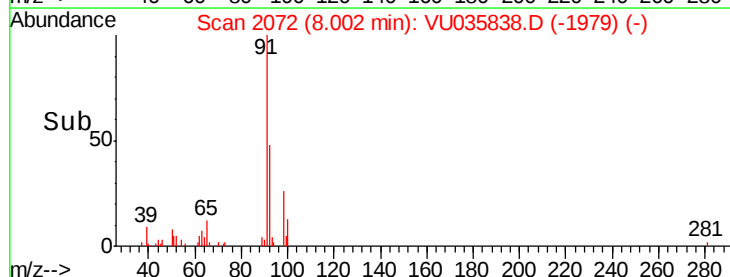
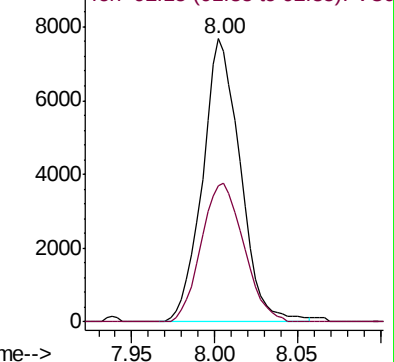
Ion Ratio Lower Upper

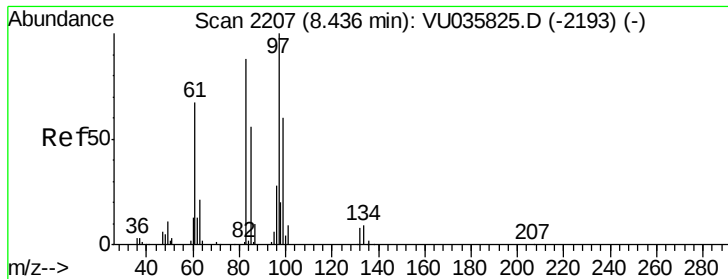
91 100

92 48.1 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035825.D (-2052) (-)





#45

1,1,2-Trichloroethane

Concen: 1.844 ug/L

RT: 8.43 min Scan# 2206

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

GARF0

Tgt Ion: 97 Resp: 41270

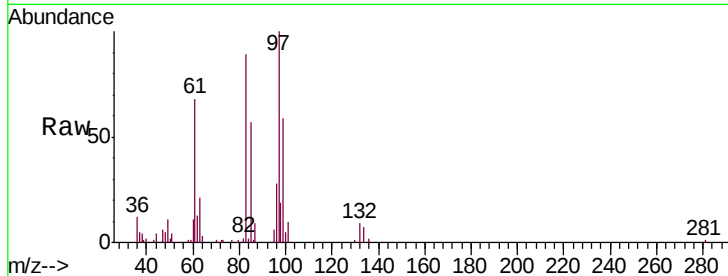
Ion Ratio Lower Upper

97 100

99 58.8 44.2 82.0

83 88.6 62.2 115.6

85 57.2 41.5 77.1

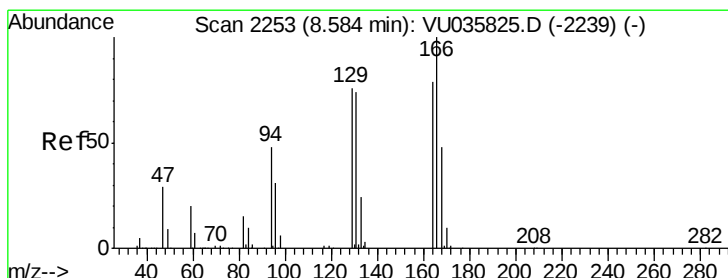
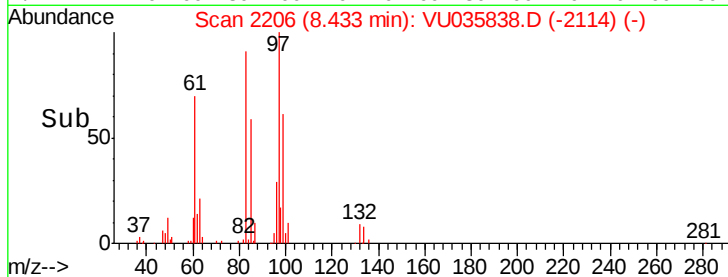
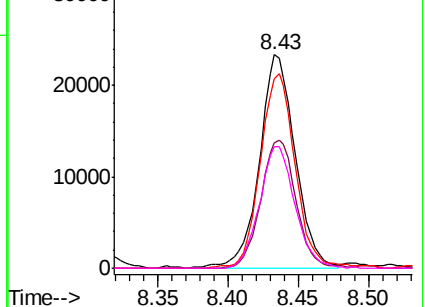


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 6.904 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Tgt Ion: 164 Resp: 155971

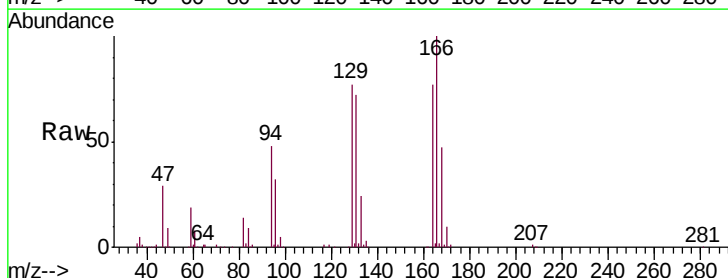
Ion Ratio Lower Upper

164 100

129 99.0 68.8 127.8

131 93.1 67.3 124.9

166 129.3 91.6 170.2

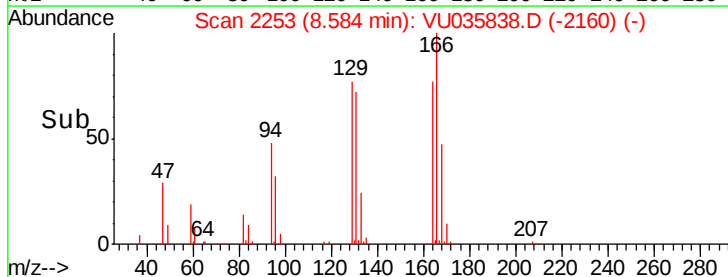
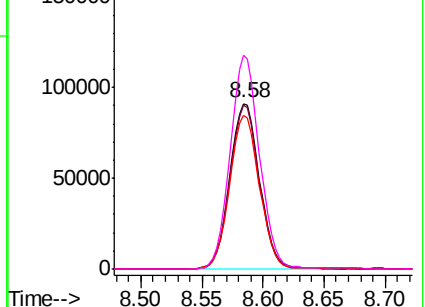


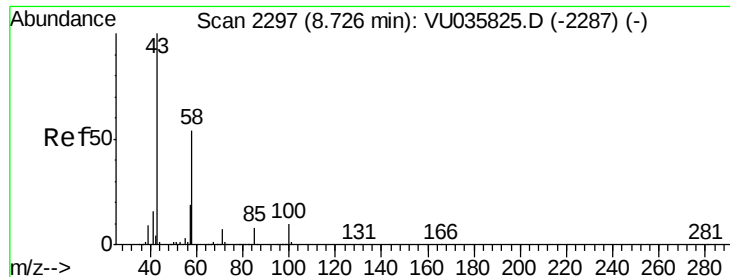
Abundance Ion 163.90 (163.60 to 164.60): V

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

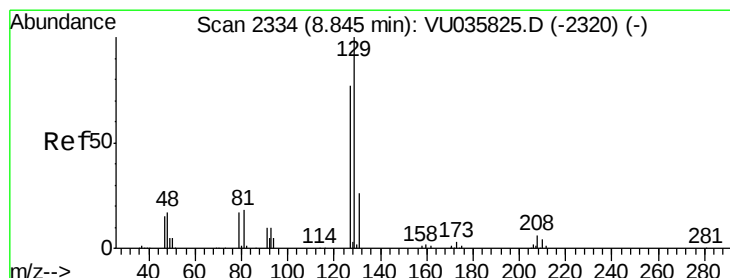
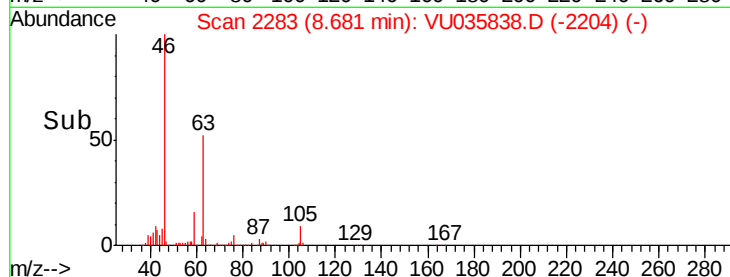
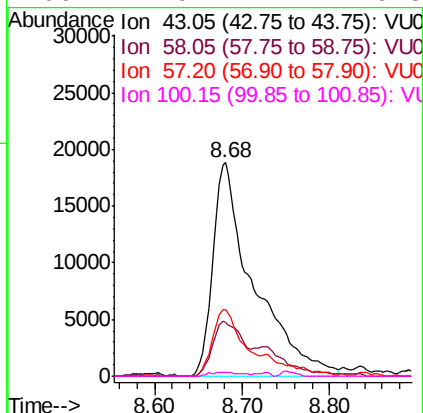
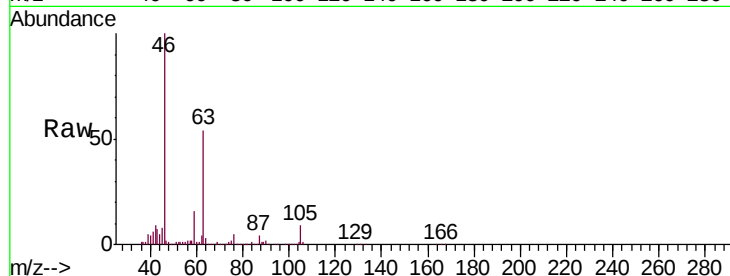




#48
2-Hexanone
Concen: 3.916 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.05 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

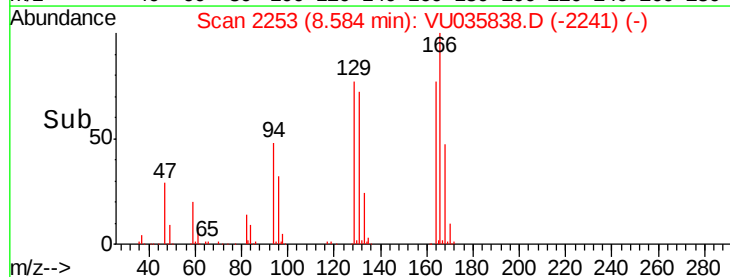
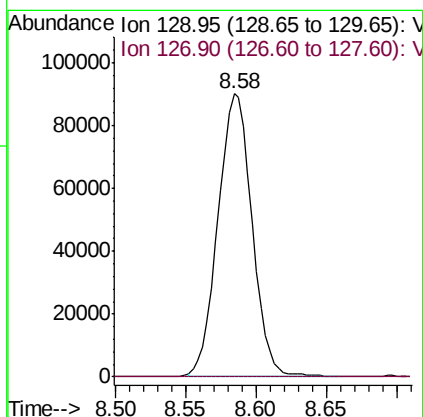
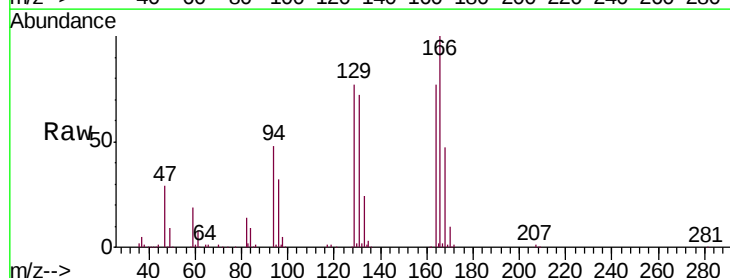
Instrument :
MSVOA_U
ClientSampleId :
GARF0

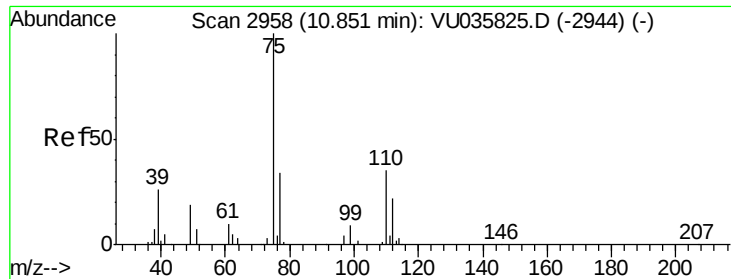
Tgt Ion: 43 Resp: 60779
Ion Ratio Lower Upper
43 100
58 18.8 39.8 59.8#
57 23.1 14.0 21.0#
100 1.0 7.2 10.8#



#49
Dibromochloromethane
Concen: 5.690 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035838.D
Acq: 25 Nov 2019 21:21

Tgt Ion: 129 Resp: 150214
Ion Ratio Lower Upper
129 100
127 0.3 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.605 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035838.D

Acq: 25 Nov 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

GARF0

Tgt Ion: 75 Resp: 13511

Ion Ratio Lower Upper

75 100

77 35.1 25.4 38.2

