

Data File : VU035842.D
Acq On : 25 Nov 2019 22:58
Operator : JC/SP
Sample : K5992-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF4

Quant Time: Nov 26 01:09:30 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	229650	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	265062	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84379	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	122630	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	1.93	69	125244	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.59	63	170301	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	4.69	46	277806	40.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.02%
24) Chloroform-d	5.11	84	236709	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.75	65	149553	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.77	84	469393	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.73	67	174117	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.20%
41) Toluene-d8	7.94	98	390009	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.21	79	60469	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.68	63	349462	65.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.14%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	153229	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	103792	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

					Qvalue
3) Chloromethane	1.54	50	8845	0.231 ug/L	99
5) Vinyl chloride	1.62	62	7724	0.201 ug/L #	1
8) Chloroethane	1.96	64	2172	0.098 ug/L #	54
12) 1,1-Dichloroethene	2.61	96	10407	0.436 ug/L #	1
13) Acetone	2.67	43	19784	3.245 ug/L	93
21) 2-Butanone	4.73	43	9705	1.258 ug/L #	55
22) cis-1,2-Dichloroethene	4.72	96	37171	1.418 ug/L	98
25) Chloroform	5.14	83	25413	0.494 ug/L	98
34) Trichloroethene	6.58	95	9177668	338.322 ug/L	99
35) Methylcyclohexane	6.74	83	38674	0.971 ug/L #	14
37) 1,2-Dichloropropane	6.73	63	18047	0.575 ug/L #	92
47) Tetrachloroethene	8.58	164	29892	1.448 ug/L	85
48) 2-Hexanone	8.68	43	54312	3.829 ug/L #	64
49) Dibromochloromethane	8.58	129	27489	1.140 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	11981	0.587 ug/L	94

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

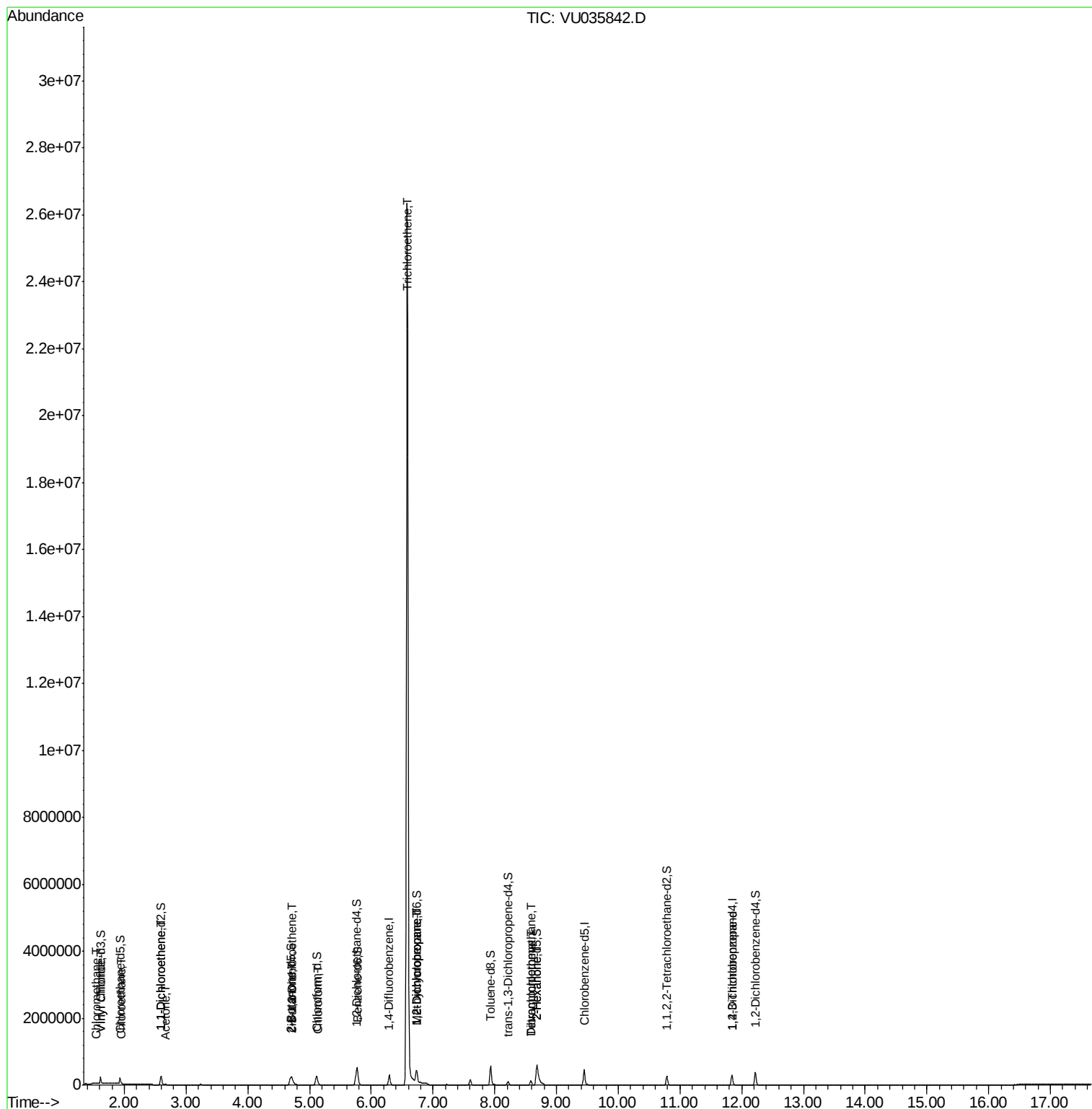
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

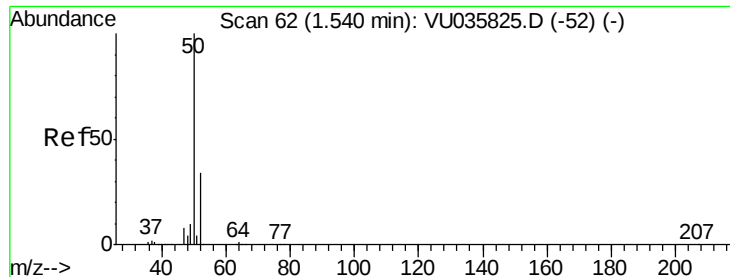
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#3

Chloromethane

Concen: 0.231 ug/L

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

Instrument :

MSVOA_U

ClientSampleId :

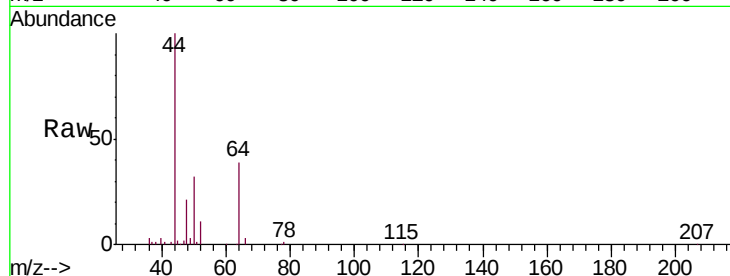
GARF4

Tgt Ion: 50 Resp: 8845

Ion Ratio Lower Upper

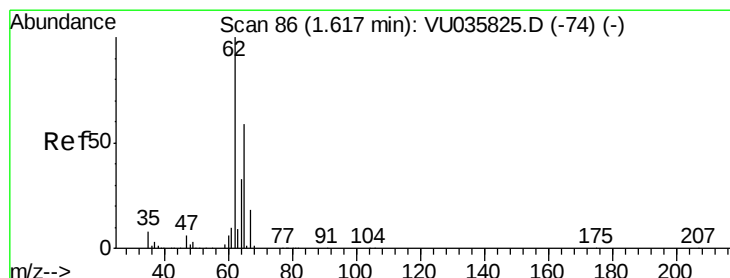
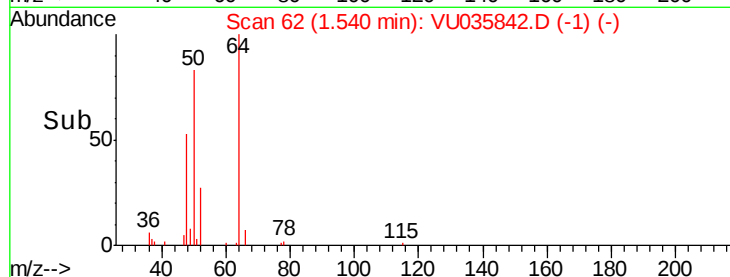
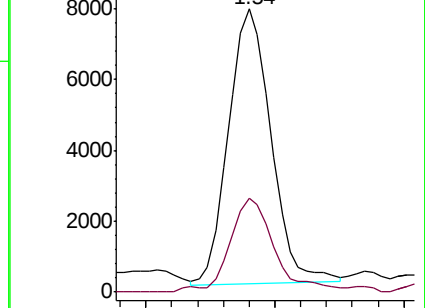
50 100

52 33.1 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VU035842.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU035842.D (-1) (-)



#5

Vinyl chloride

Concen: 0.201 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035842.D

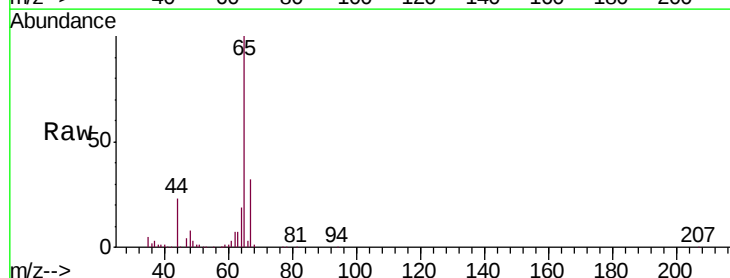
Acq: 25 Nov 2019 22:58

Tgt Ion: 62 Resp: 7724

Ion Ratio Lower Upper

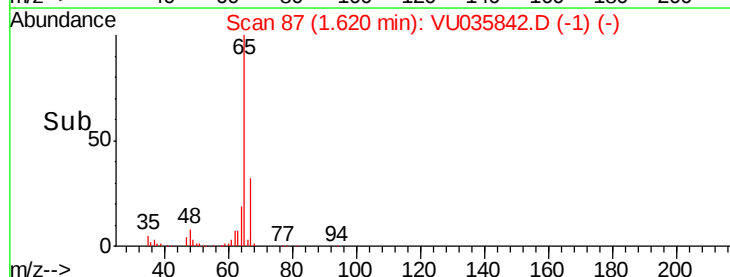
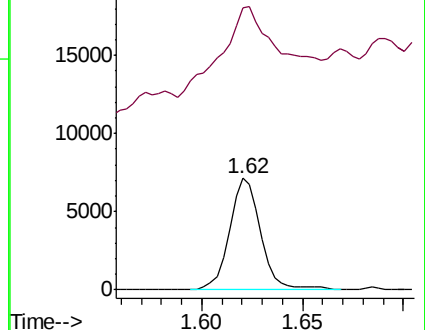
62 100

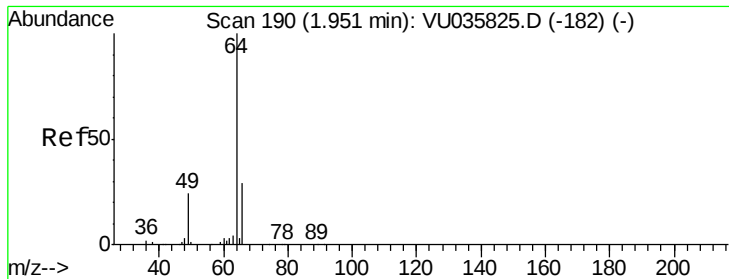
64 252.8 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU035842.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035842.D (-1) (-)





#8

Chloroethane

Concen: 0.098 ug/L

RT: 1.96 min Scan# 193

Delta R.T. 0.01 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

Instrument :

MSVOA_U

ClientSampleId :

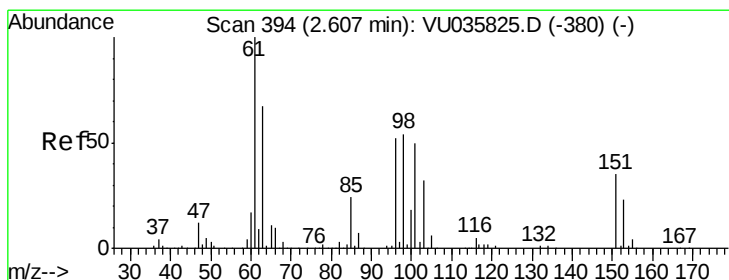
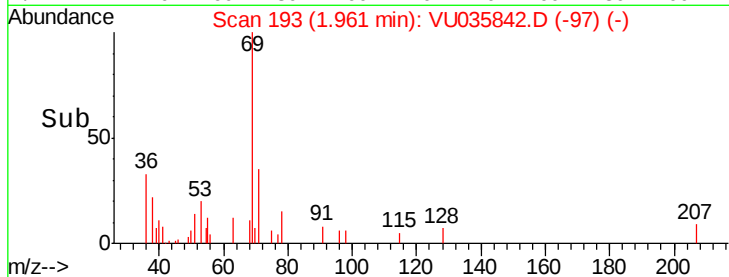
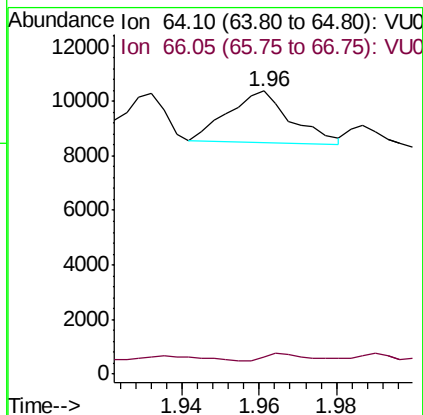
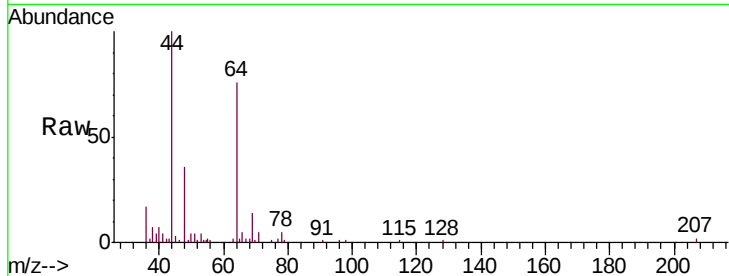
GARF4

Tgt Ion: 64 Resp: 2172

Ion Ratio Lower Upper

64 100

66 6.3 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.436 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

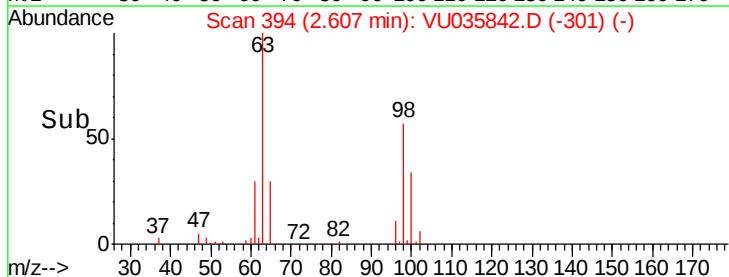
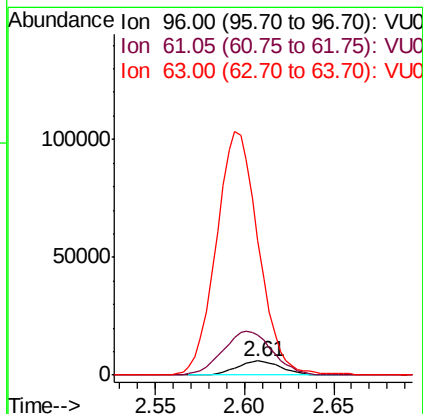
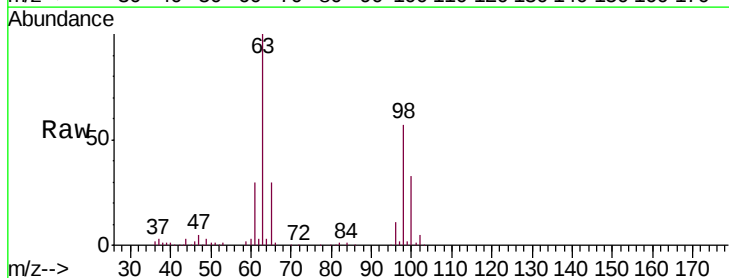
Tgt Ion: 96 Resp: 10407

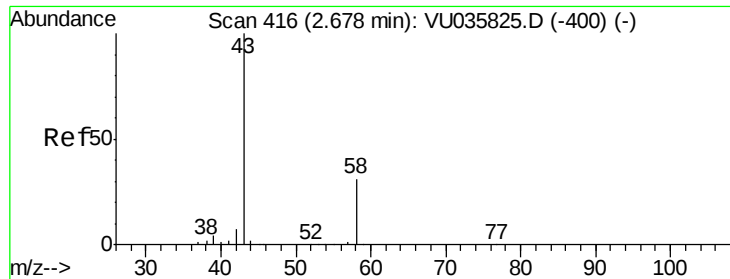
Ion Ratio Lower Upper

96 100

61 278.5 139.3 258.7#

63 935.1 93.7 174.1#





#13

Acetone

Concen: 3.245 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

Instrument :

MSVOA_U

ClientSampleId :

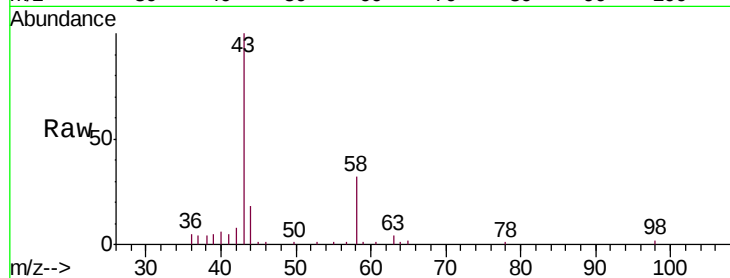
GARF4

Tgt Ion: 43 Resp: 19784

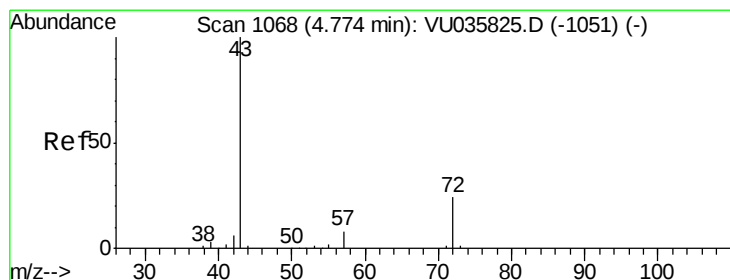
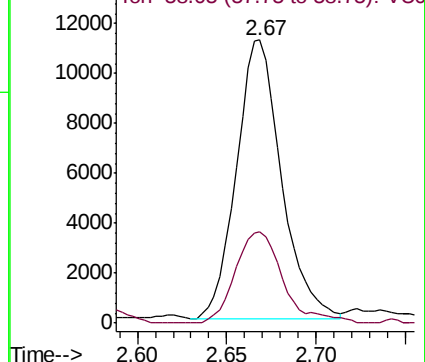
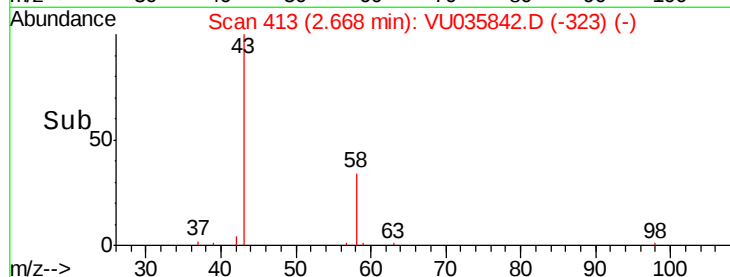
Ion Ratio Lower Upper

43 100

58 34.3 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035842.D (-323) (-)



#21

2-Butanone

Concen: 1.258 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.04 min

Lab File: VU035842.D

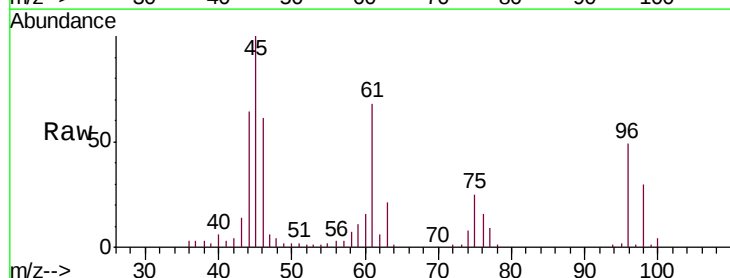
Acq: 25 Nov 2019 22:58

Tgt Ion: 43 Resp: 9705

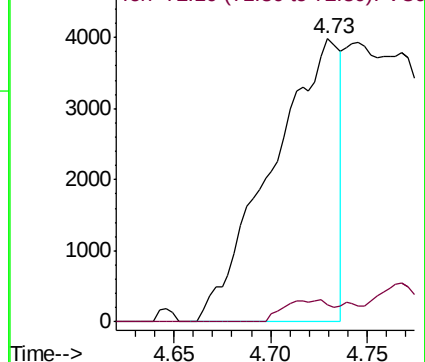
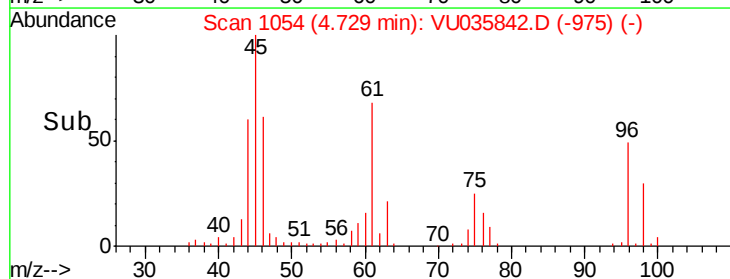
Ion Ratio Lower Upper

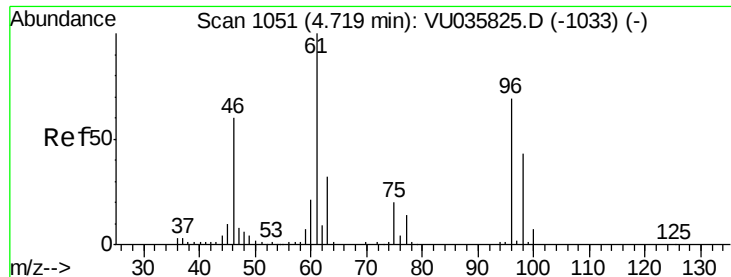
43 100

72 2.4 12.4 37.4#



Abundance Ion 43.05 (42.75 to 43.75): VU035842.D (-975) (-)

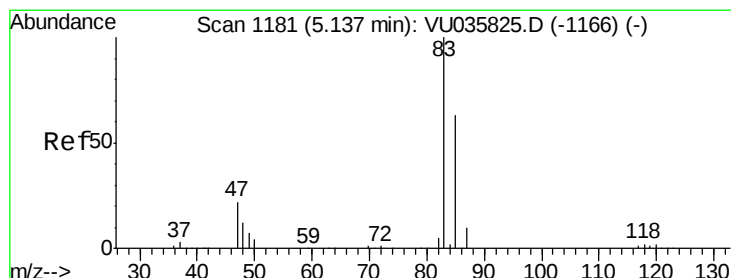
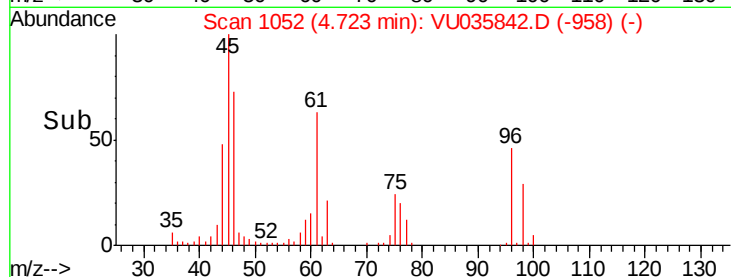
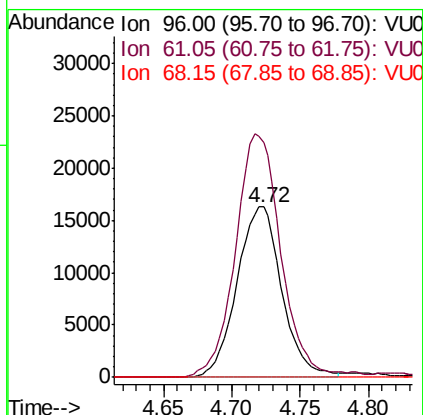
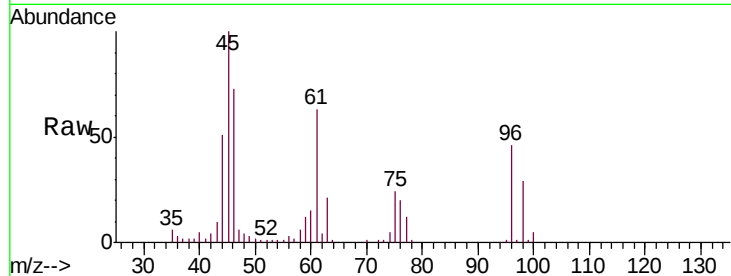




#22
 cis-1,2-Dichloroethene
 Concen: 1.418 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035842.D
 Acq: 25 Nov 2019 22:58

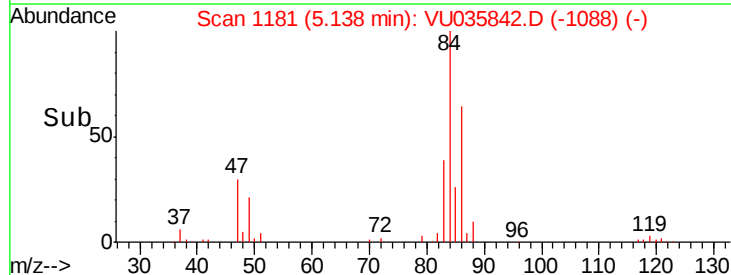
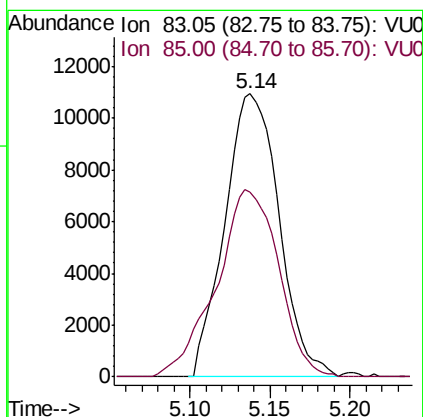
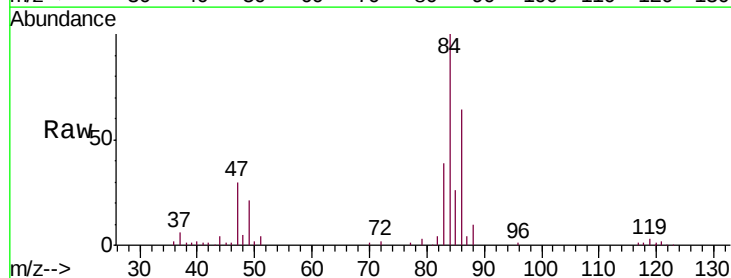
Instrument :
 MSVOA_U
 ClientSampleId :
 GARF4

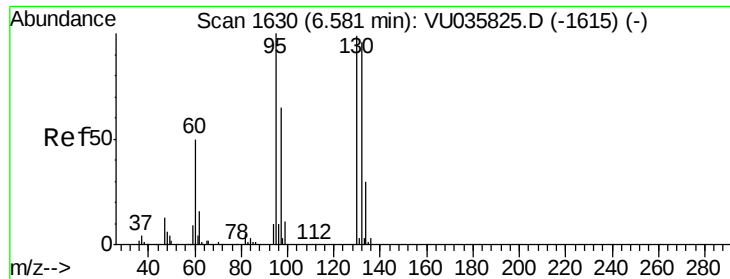
Tgt Ion: 96 Resp: 37171
 Ion Ratio Lower Upper
 96 100
 61 137.3 98.1 182.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.494 ug/L
 RT: 5.14 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU035842.D
 Acq: 25 Nov 2019 22:58

Tgt Ion: 83 Resp: 25413
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.6 82.8

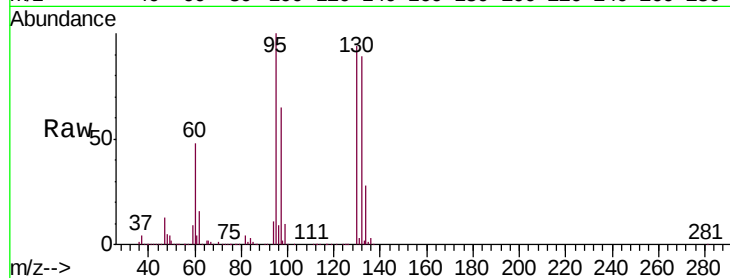




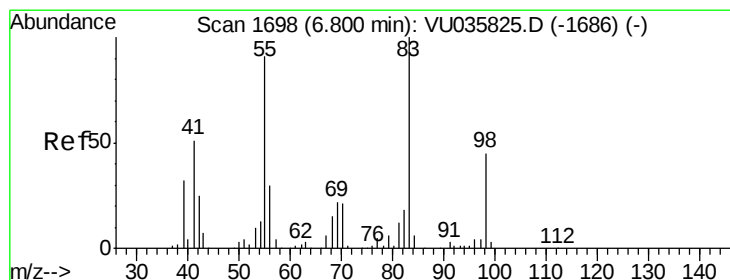
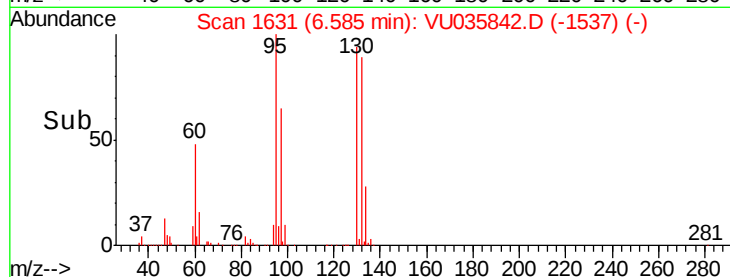
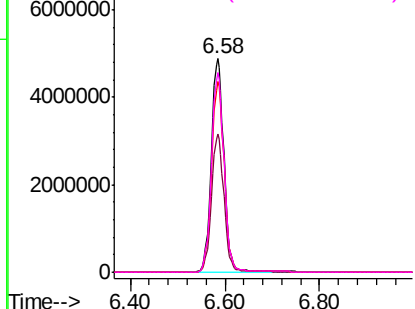
#34
 Trichloroethene
 Concen: 338.322 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035842.D
 Acq: 25 Nov 2019 22:58

Instrument :
 MSVOA_U
 ClientSampleId :
 GARF4

Tgt Ion: 95 Resp: 9177668
 Ion Ratio Lower Upper
 95 100
 97 64.6 45.1 83.9
 132 89.3 61.9 114.9
 130 93.6 66.3 123.1

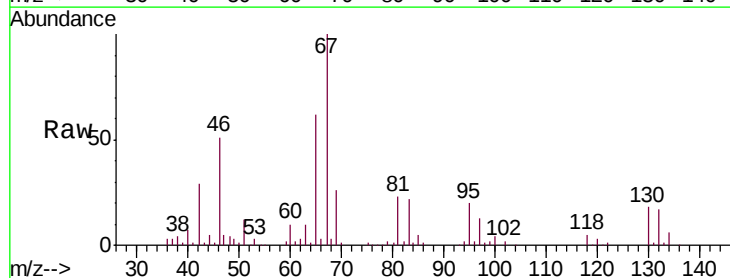


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

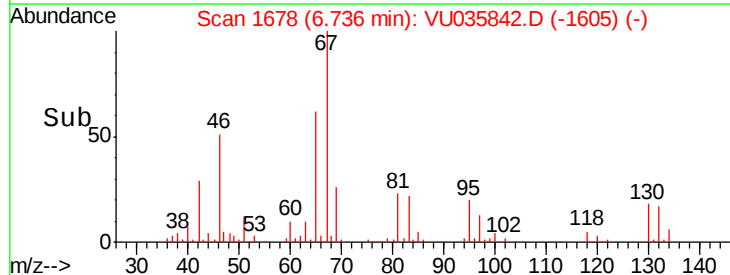
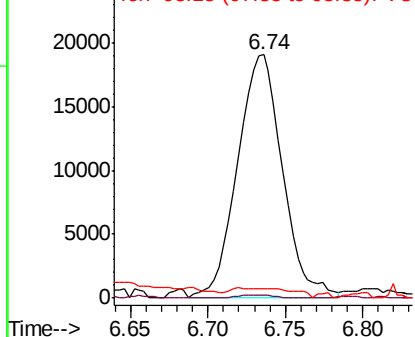


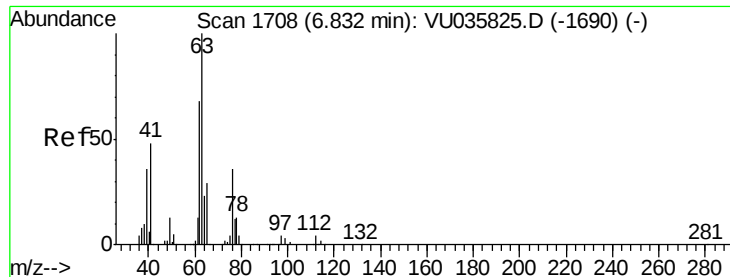
#35
 Methylcyclohexane
 Concen: 0.971 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.06 min
 Lab File: VU035842.D
 Acq: 25 Nov 2019 22:58

Tgt Ion: 83 Resp: 38674
 Ion Ratio Lower Upper
 83 100
 55 0.9 72.7 109.1#
 98 0.0 36.2 54.4#



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: 0.575 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

Instrument :

MSVOA_U

ClientSampleId :

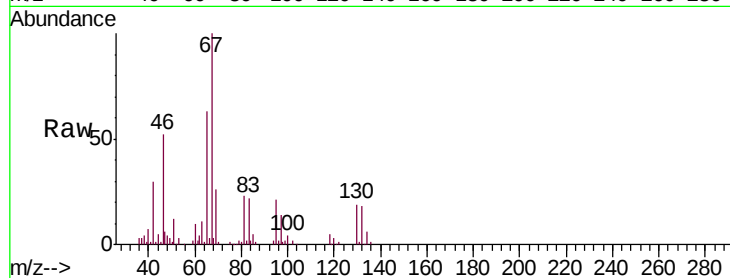
GARF4

Tgt Ion: 63 Resp: 18047

Ion Ratio Lower Upper

63 100

112 0.6 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU035842.D (-1677) (-)

Ion 112.10 (111.80 to 112.80): VU035842.D (-1677) (-)

6.73

10000

8000

6000

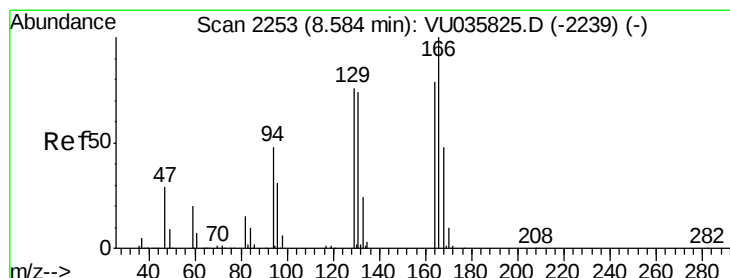
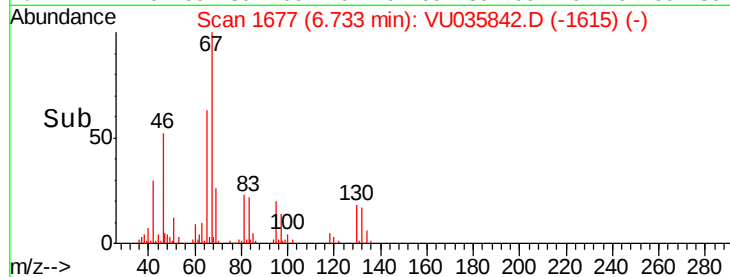
4000

2000

0

Time-->

6.65 6.70 6.75 6.80



#47

Tetrachloroethene

Concen: 1.448 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

Tgt Ion: 164 Resp: 29892

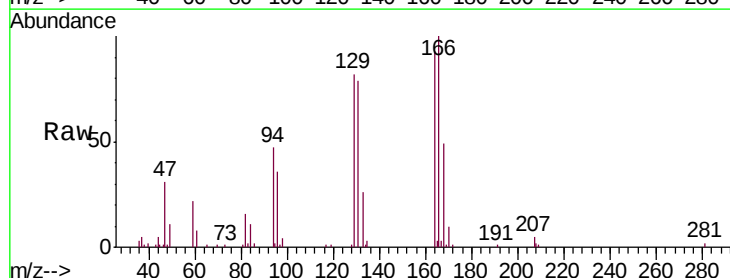
Ion Ratio Lower Upper

164 100

129 87.8 68.8 127.8

131 84.7 67.3 124.9

166 107.0 91.6 170.2



Abundance Ion 163.90 (163.60 to 164.60): VU035842.D (-2253) (-)

Ion 128.95 (128.65 to 129.65): VU035842.D (-2253) (-)

Ion 130.95 (130.65 to 131.65): VU035842.D (-2253) (-)

Ion 165.90 (165.60 to 166.60): VU035842.D (-2253) (-)

30000

25000

20000

15000

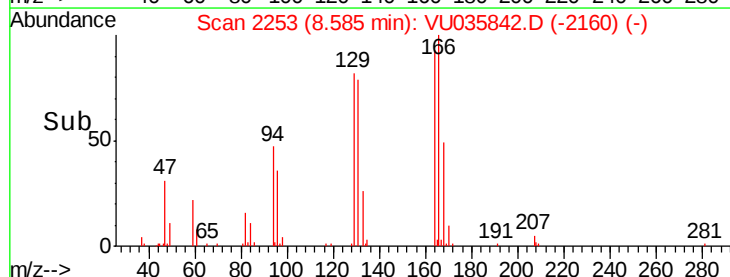
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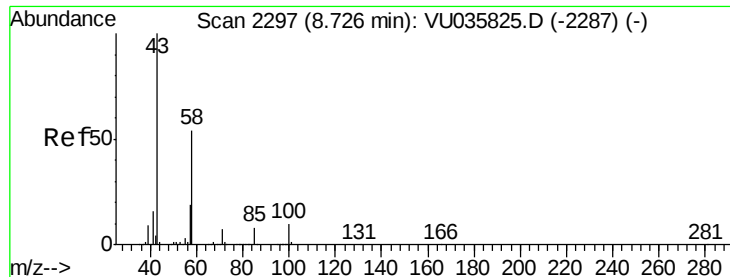
5000

0

Time-->

8.50 8.55 8.60 8.65

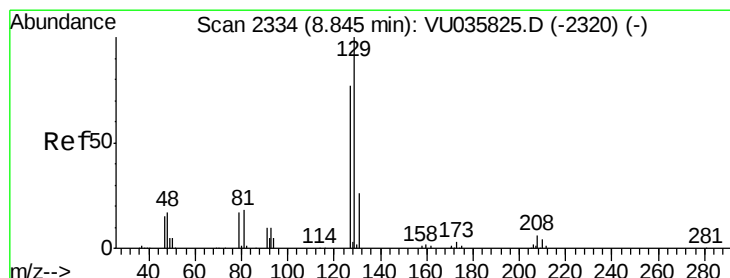
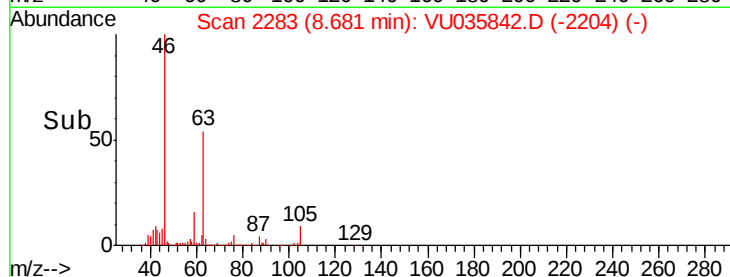
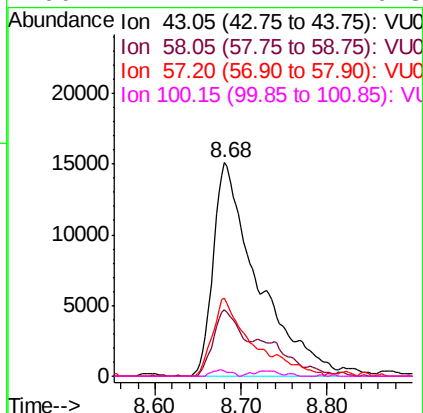
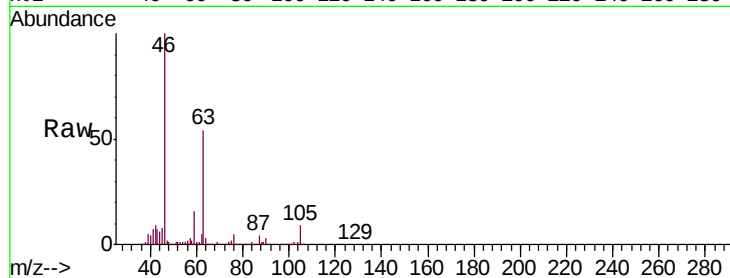




#48
2-Hexanone
Concen: 3.829 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.04 min
Lab File: VU035842.D
Acq: 25 Nov 2019 22:58

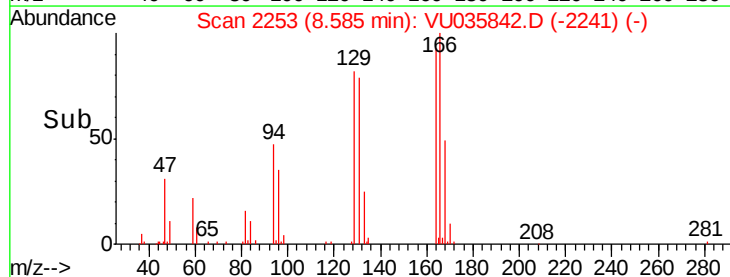
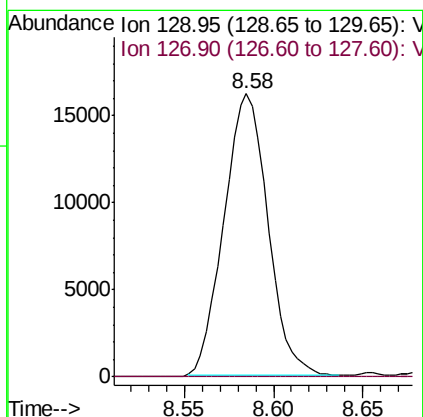
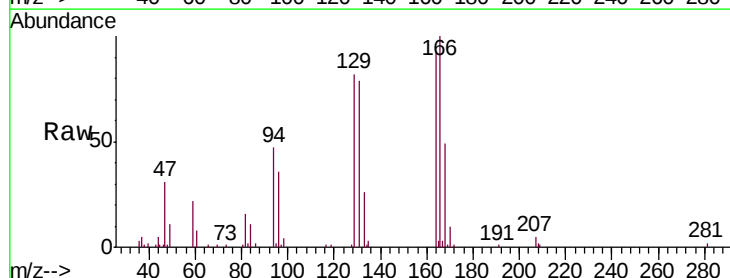
Instrument :
MSVOA_U
ClientSampleId :
GARF4

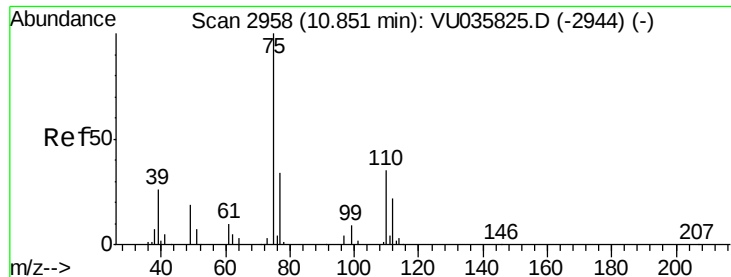
Tgt Ion: 43 Resp: 54312
Ion Ratio Lower Upper
43 100
58 19.5 39.8 59.8#
57 27.5 14.0 21.0#
100 1.2 7.2 10.8#



#49
Dibromochloromethane
Concen: 1.140 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035842.D
Acq: 25 Nov 2019 22:58

Tgt Ion: 129 Resp: 27489
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.587 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035842.D

Acq: 25 Nov 2019 22:58

Instrument :

MSVOA_U

ClientSampleId :

GARF4

Tgt Ion: 75 Resp: 11981

Ion Ratio Lower Upper

75 100

77 35.4 25.4 38.2

