

Data File : VU035843.D
Acq On : 25 Nov 2019 23:22
Operator : JC/SP
Sample : K5992-14
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARF5

Quant Time: Nov 26 01:09:43 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	215836	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	253310	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	84045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121027	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.93	69	123268	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.59	63	161004	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.69	46	338193	51.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.66%
24) Chloroform-d	5.11	84	231808	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	5.75	65	144840	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.77	84	463423	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.74	67	171821	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.93	98	378389	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	8.21	79	59937	4.73	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.60%
46) 2-Hexanone-d5	8.68	63	336313	66.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	132.06%#
57) 1,1,2,2-Tetrachloroethane-	10.79	84	149819	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	102459	5.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.20%

Target Compounds

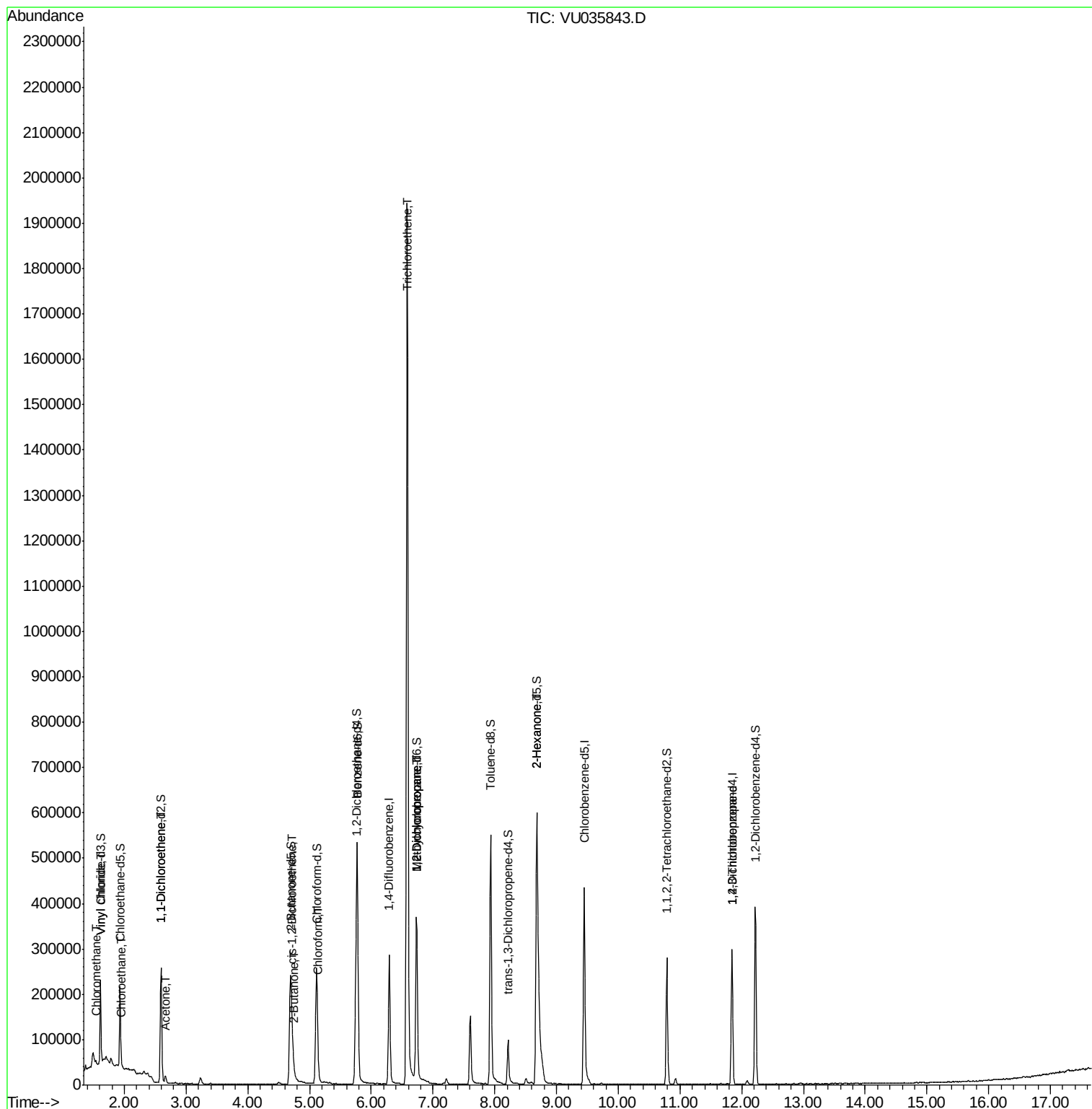
					Qvalue
3) Chloromethane	1.54	50	6850	0.190 ug/L	98
5) Vinyl chloride	1.62	62	3875	0.108 ug/L #	1
8) Chloroethane	1.96	64	1479	0.071 ug/L #	54
12) 1,1-Dichloroethene	2.60	96	2256	0.100 ug/L #	1
13) Acetone	2.66	43	17602	3.072 ug/L	98
21) 2-Butanone	4.76	43	13292	1.833 ug/L #	67
22) cis-1,2-Dichloroethene	4.72	96	15646	0.635 ug/L	96
25) Chloroform	5.14	83	19537	0.404 ug/L	100
34) Trichloroethene	6.58	95	678016	26.154 ug/L	99
35) Methylcyclohexane	6.73	83	37737	0.992 ug/L #	14
37) 1,2-Dichloropropane	6.73	63	18648	0.622 ug/L #	91
48) 2-Hexanone	8.68	43	35471	2.617 ug/L #	60
59) 1,2,3-Trichloropropane	11.84	75	11339	0.582 ug/L	93

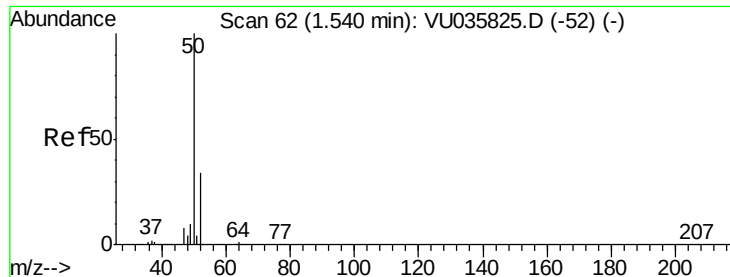
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.190 ug/L

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

Instrument :

MSVOA_U

ClientSampleId :

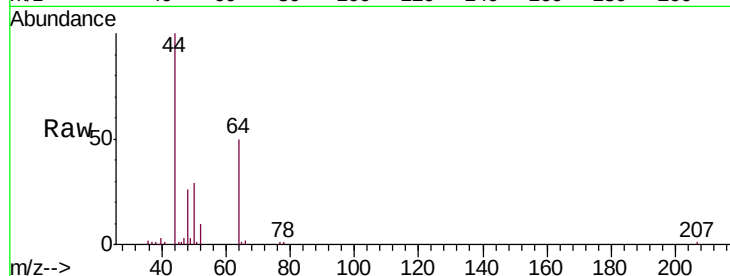
GARF5

Tgt Ion: 50 Resp: 6850

Ion Ratio Lower Upper

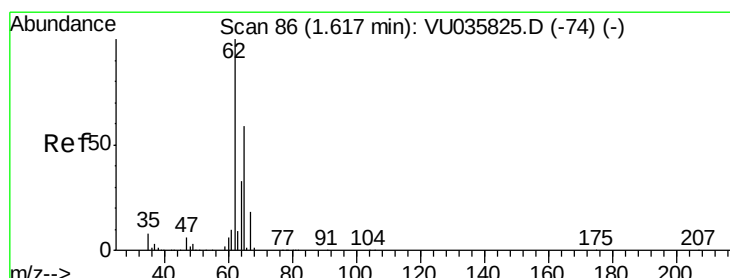
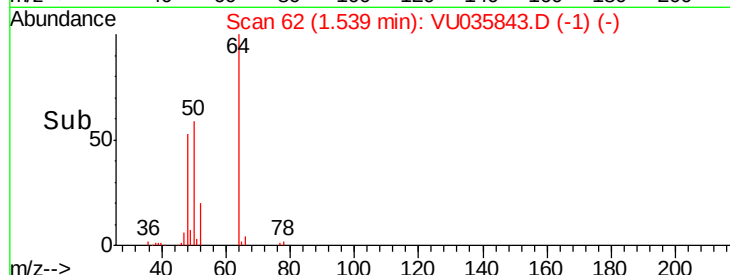
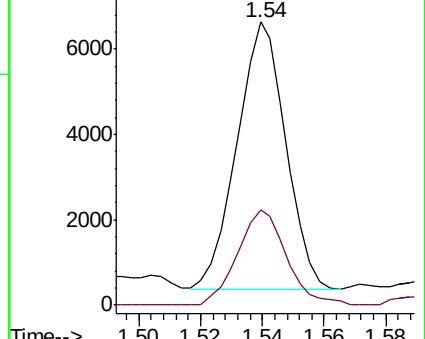
50 100

52 33.5 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) (-)



#5

Vinyl chloride

Concen: 0.108 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035843.D

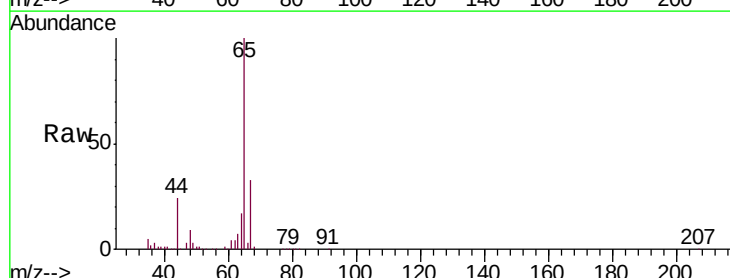
Acq: 25 Nov 2019 23:22

Tgt Ion: 62 Resp: 3875

Ion Ratio Lower Upper

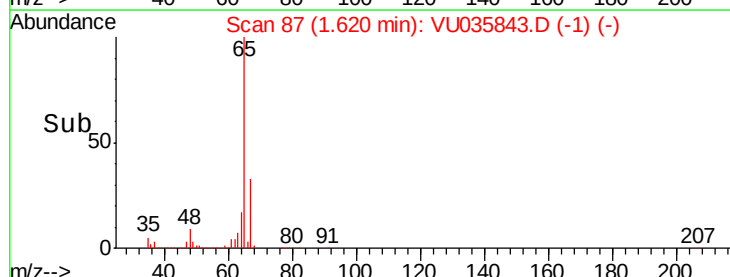
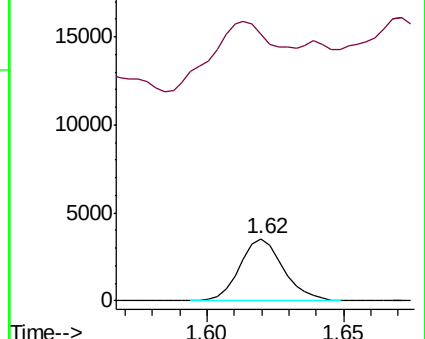
62 100

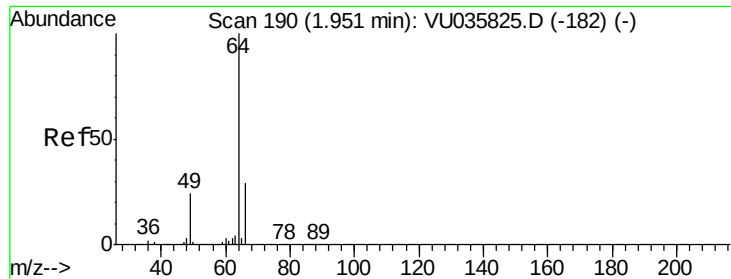
64 428.2 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU035825.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU035825.D (-74) (-)





#8

Chloroethane

Concen: 0.071 ug/L

RT: 1.96 min Scan# 194

Delta R.T. 0.01 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

Instrument :

MSVOA_U

ClientSampled :

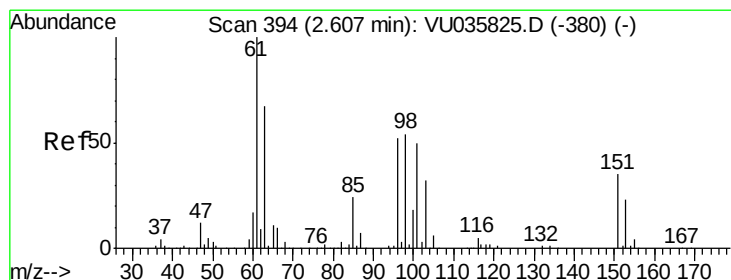
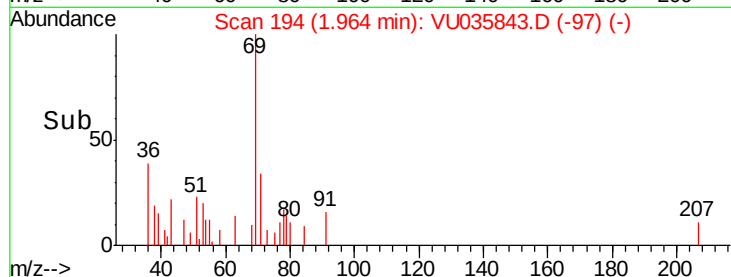
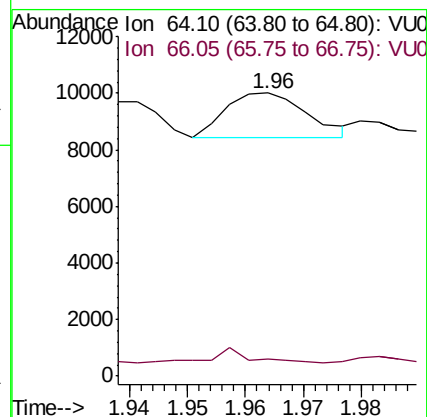
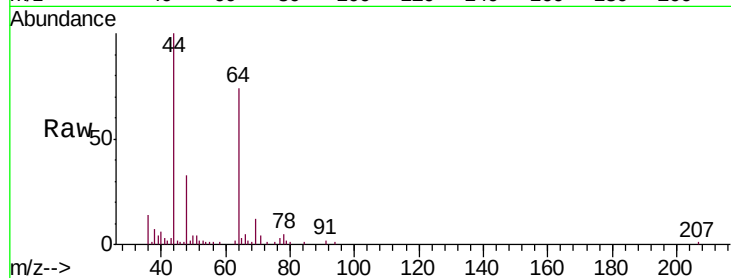
GARF5

Tgt Ion: 64 Resp: 1479

Ion Ratio Lower Upper

64 100

66 6.2 22.3 41.5#



#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

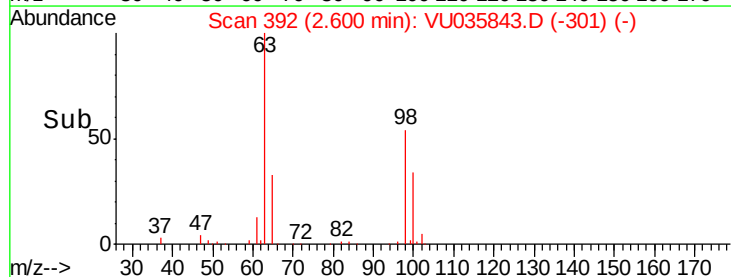
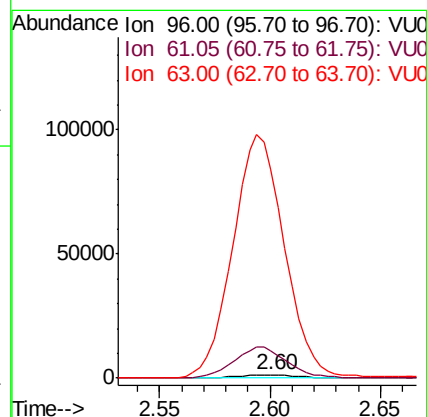
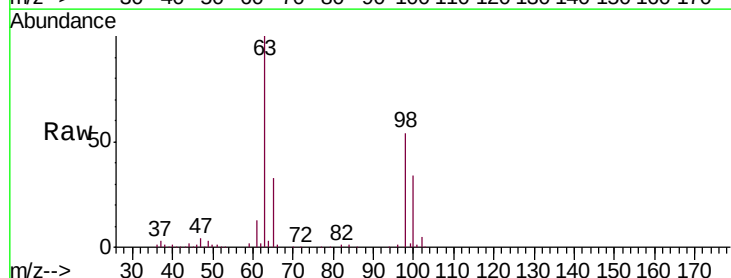
Tgt Ion: 96 Resp: 2256

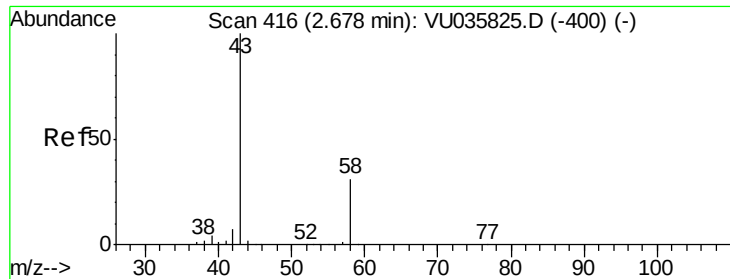
Ion Ratio Lower Upper

96 100

61 922.8 139.3 258.7#

63 7118.4 93.7 174.1#





#13

Acetone

Concen: 3.072 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

Instrument :

MSVOA_U

ClientSampled :

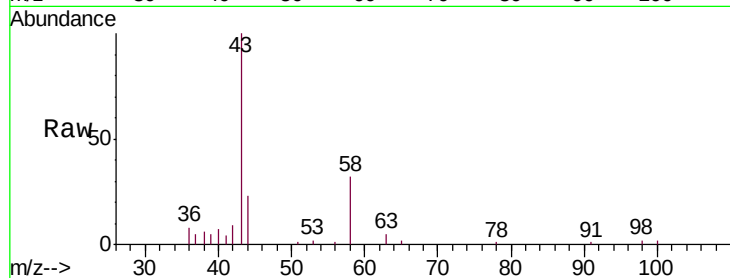
GARF5

Tgt Ion: 43 Resp: 17602

Ion Ratio Lower Upper

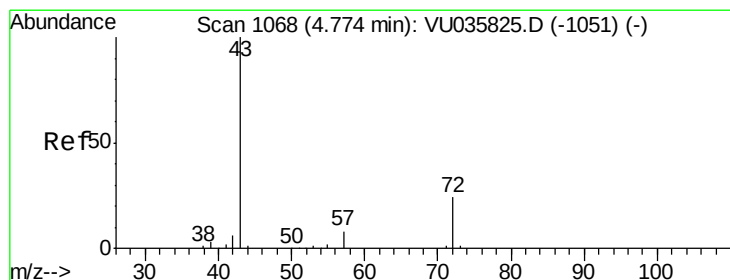
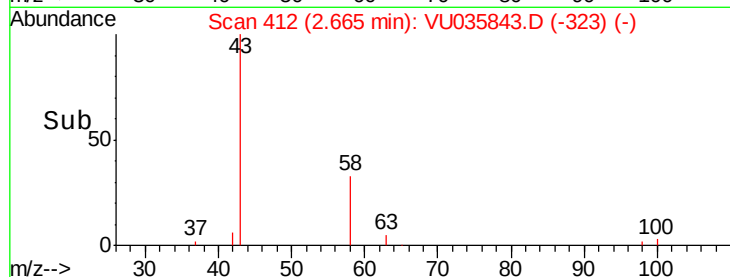
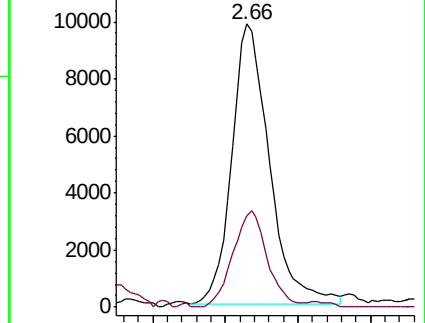
43 100

58 31.4 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035825.D (-400) (-)



#21

2-Butanone

Concen: 1.833 ug/L

RT: 4.76 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VU035843.D

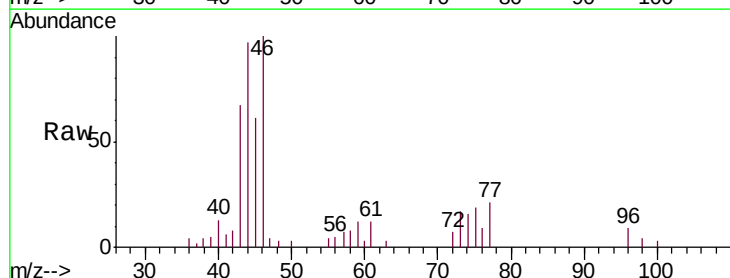
Acq: 25 Nov 2019 23:22

Tgt Ion: 43 Resp: 13292

Ion Ratio Lower Upper

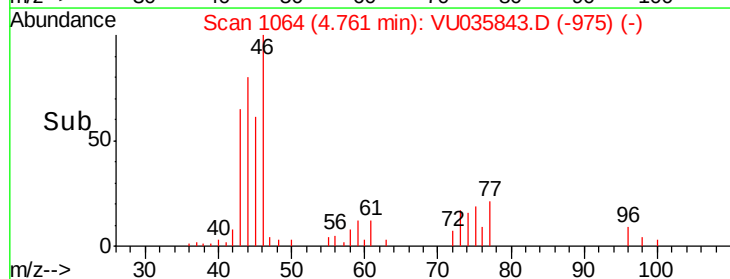
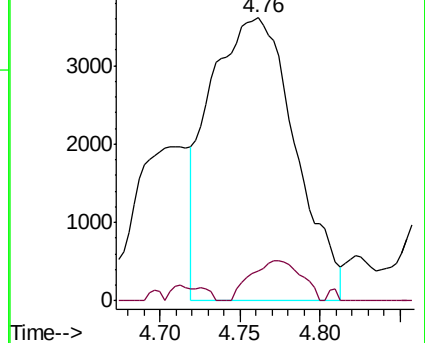
43 100

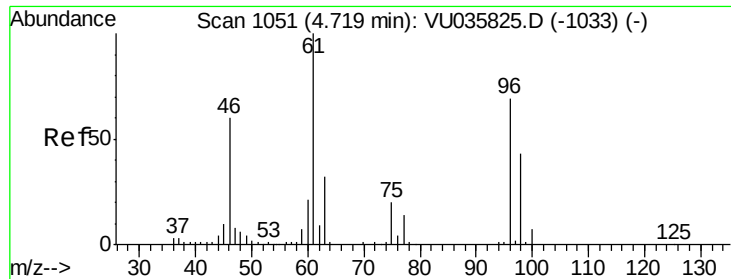
72 8.4 12.4 37.4#



Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-1051) (-)

Ion 72.10 (71.80 to 72.80): VU035825.D (-1051) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.635 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

Instrument :

MSVOA_U

ClientSampleId :

GARF5

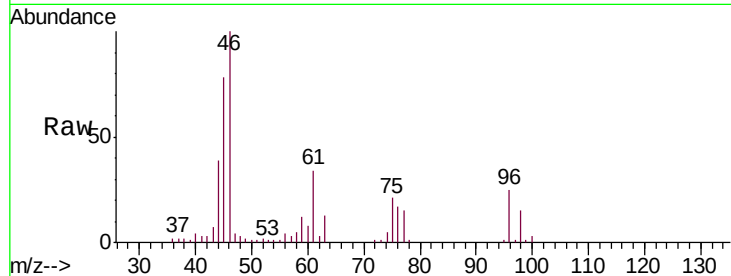
Tgt Ion: 96 Resp: 15646

Ion Ratio Lower Upper

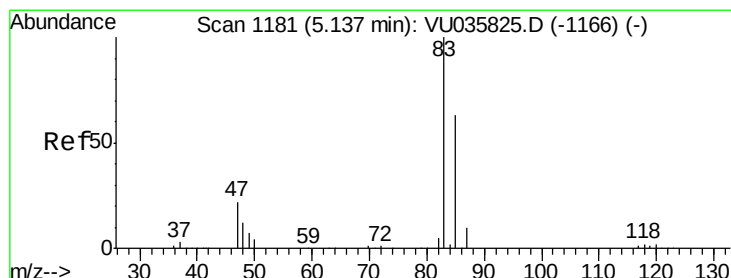
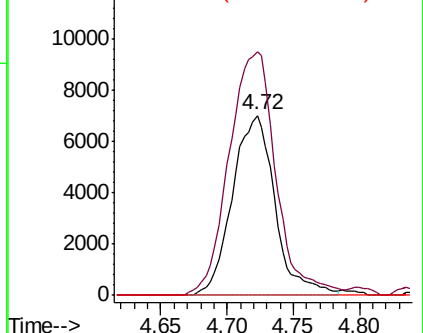
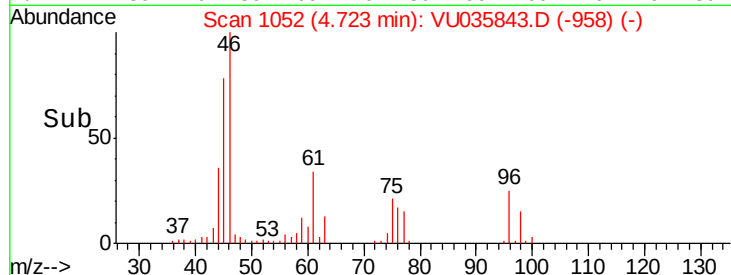
96 100

61 135.3 98.1 182.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035843.D (-958) (-)



#25

Chloroform

Concen: 0.404 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035843.D

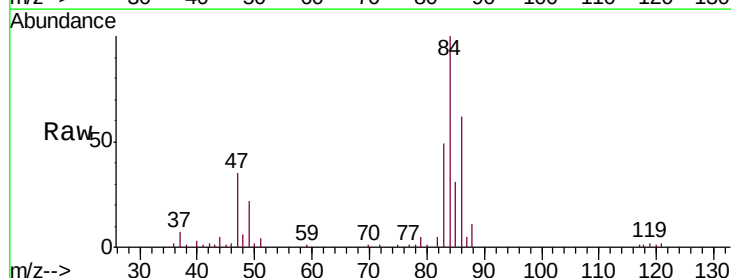
Acq: 25 Nov 2019 23:22

Tgt Ion: 83 Resp: 19537

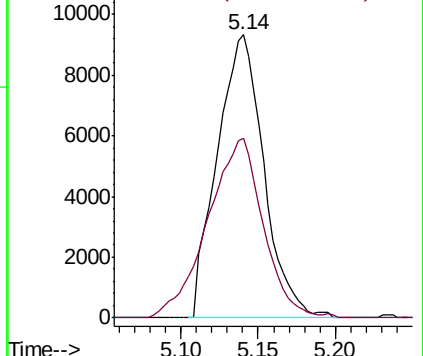
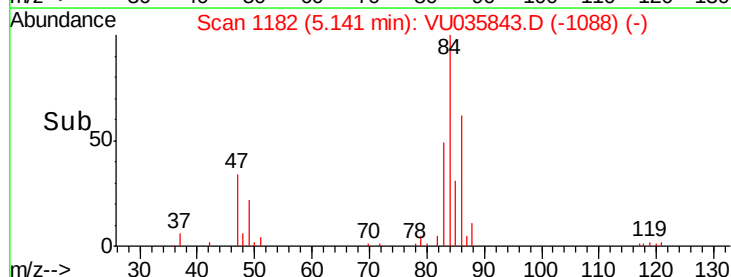
Ion Ratio Lower Upper

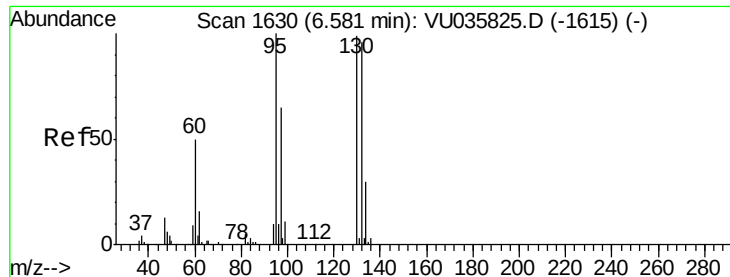
83 100

85 63.6 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035843.D (-1088) (-)





#34

Trichloroethene

Concen: 26.154 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

Instrument :

MSVOA_U

ClientSampleId :

GARF5

Tgt Ion: 95 Resp: 678016

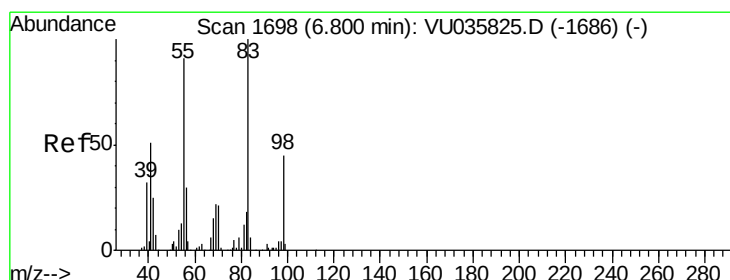
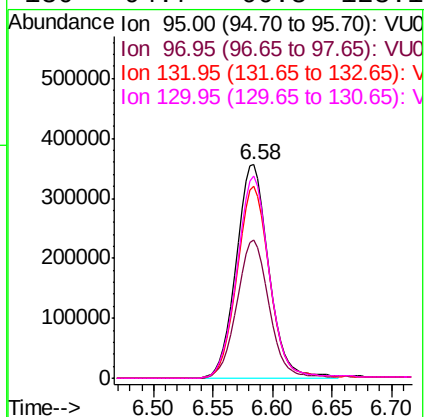
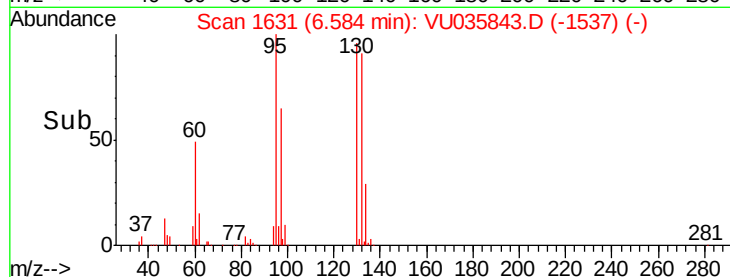
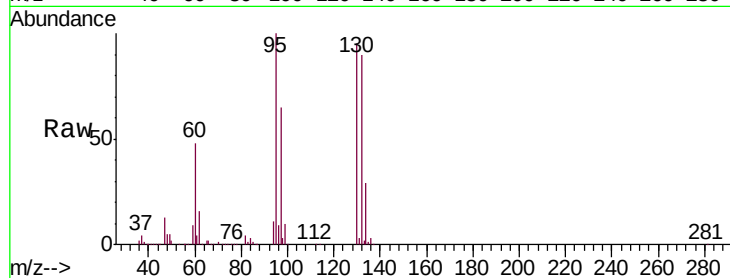
Ion Ratio Lower Upper

95 100

97 64.7 45.1 83.9

132 89.7 61.9 114.9

130 94.7 66.3 123.1



#35

Methylcyclohexane

Concen: 0.992 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

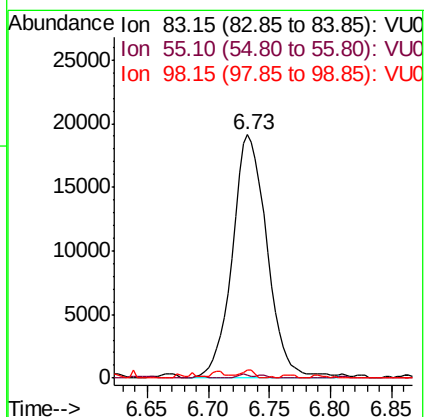
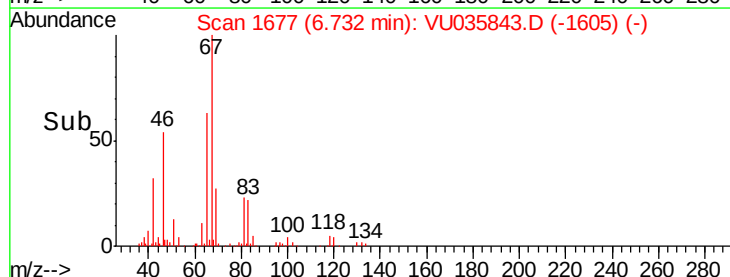
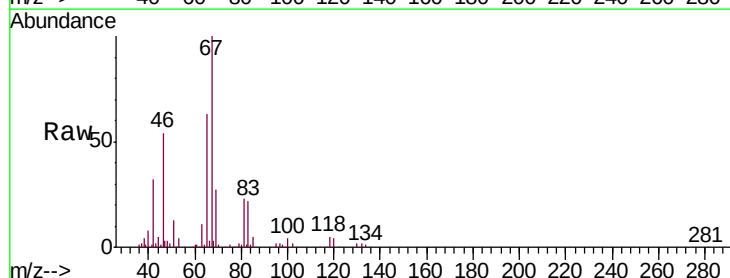
Tgt Ion: 83 Resp: 37737

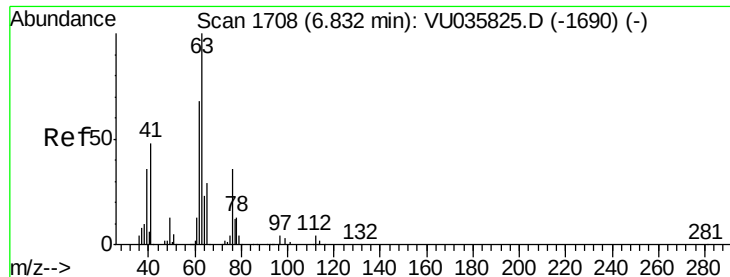
Ion Ratio Lower Upper

83 100

55 0.6 72.7 109.1#

98 1.5 36.2 54.4#

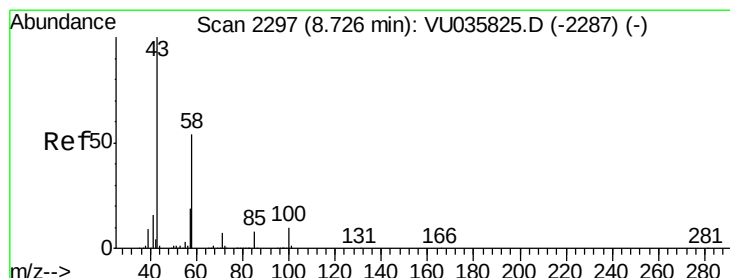
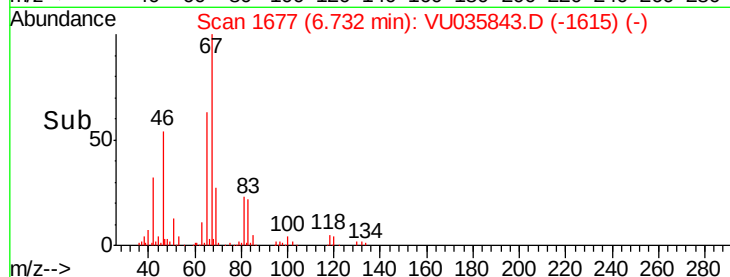
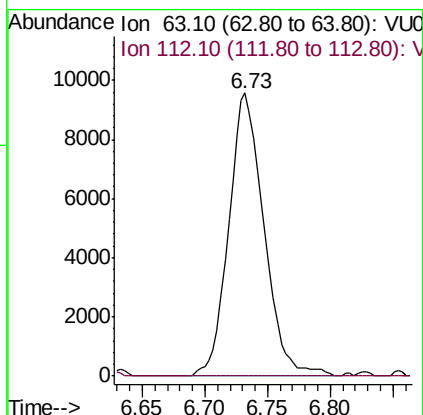
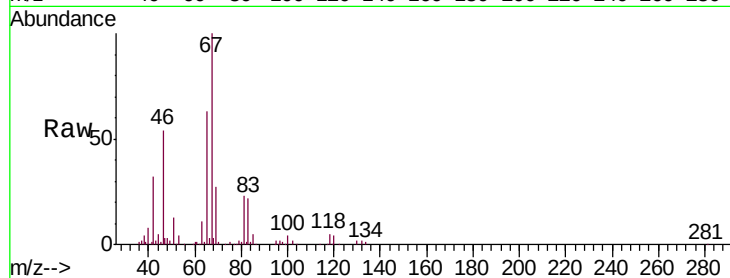




#37
 1,2-Dichloropropane
 Concen: 0.622 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035843.D
 Acq: 25 Nov 2019 23:22

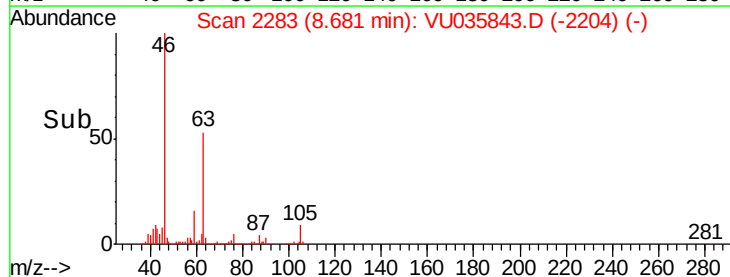
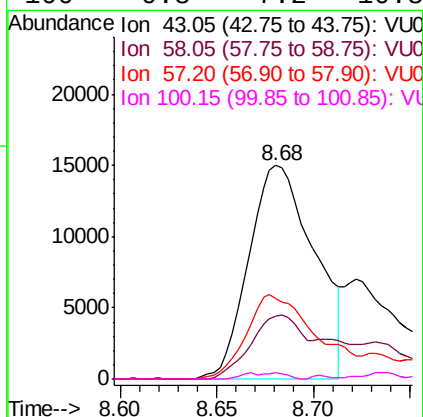
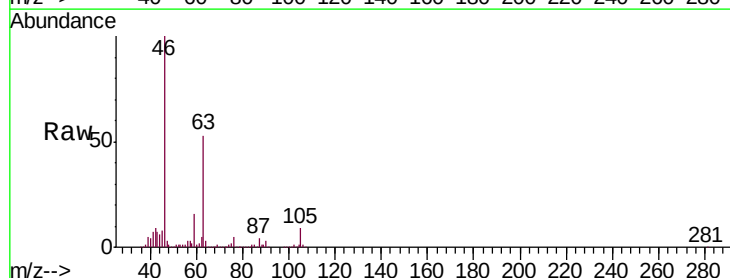
Instrument :
 MSVOA_U
 ClientSampleId :
 GARF5

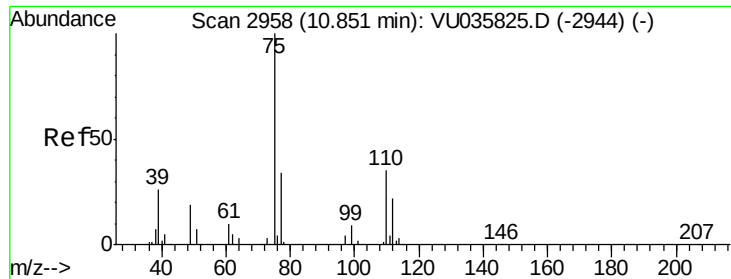
Tgt Ion: 63 Resp: 18648
 Ion Ratio Lower Upper
 63 100
 112 0.5 2.7 4.1#



#48
 2-Hexanone
 Concen: 2.617 ug/L
 RT: 8.68 min Scan# 2283
 Delta R.T. -0.05 min
 Lab File: VU035843.D
 Acq: 25 Nov 2019 23:22

Tgt Ion: 43 Resp: 35471
 Ion Ratio Lower Upper
 43 100
 58 24.3 39.8 59.8#
 57 42.0 14.0 21.0#
 100 0.8 7.2 10.8#





#59

1,2,3-Trichloropropane

Concen: 0.582 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035843.D

Acq: 25 Nov 2019 23:22

Instrument :

MSVOA_U

ClientSampleId :

GARF5

Tgt Ion: 75 Resp: 11339

Ion Ratio Lower Upper

75 100

77 35.8 25.4 38.2

