

Data File : VU035468.D
Acq On : 24 Oct 2019 18:58
Operator : JC/SP
Sample : K5488-02DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G33DL

Quant Time: Oct 25 07:09:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	216976	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	224975	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	62546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	44127	3.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.60%
7) Chloroethane-d5	1.93	69	49687	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.59	63	62819	2.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.40%#
20) 2-Butanone-d5	4.70	46	219955	57.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.70%
24) Chloroform-d	5.11	84	110155	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.75	65	64505	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.77	84	192990	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.00%
36) 1,2-Dichloropropane-d6	6.74	67	74796	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.93	98	146710	2.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	59.60%#
43) trans-1,3-Dichloropropene-	8.21	79	25637	3.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.60%
46) 2-Hexanone-d5	8.68	63	139254	39.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.66%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	72463	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	47895	4.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.00%

Target Compounds

					Qvalue
13) Acetone	2.67	43	2456	0.929 ug/L	97
16) Methylene chloride	3.08	84	8335	0.497 ug/L	92
17) Methyl tert-butyl Ether	3.43	73	371801	9.910 ug/L	98
22) cis-1,2-Dichloroethene	4.73	96	4091	0.246 ug/L	98
25) Chloroform	5.14	83	10859	0.364 ug/L	94
34) Trichloroethene	6.58	95	3168	0.178 ug/L	92
35) Methylcyclohexane	6.74	83	17402	0.585 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	7935	0.472 ug/L #	87
47) Tetrachloroethene	8.58	164	9637	0.650 ug/L	97
48) 2-Hexanone	8.73	43	13888	1.746 ug/L #	76
49) Dibromochloromethane	8.58	129	8747	0.553 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	7815	0.668 ug/L #	88

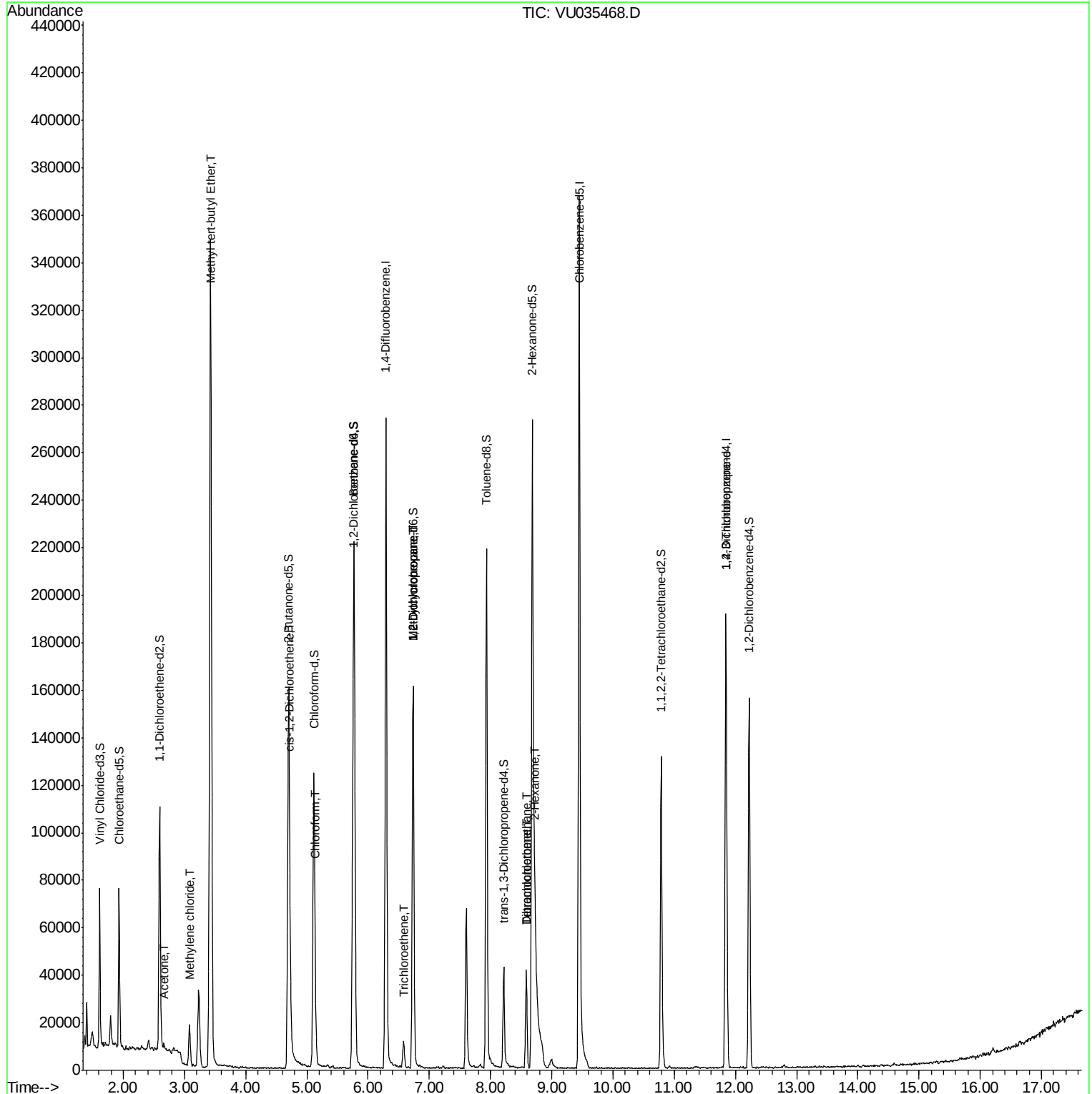
(#) = qualifier out of range (m) = manual integration (+) = signals summed

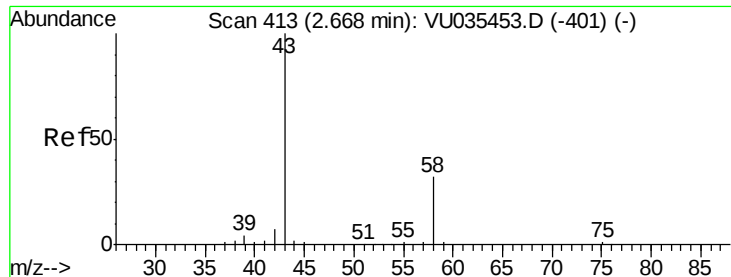
Data File : VU035468.D

```
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 25 07:04:30 2019
Response via : Initial Calibration





#13

Acetone

Concen: 0.929 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

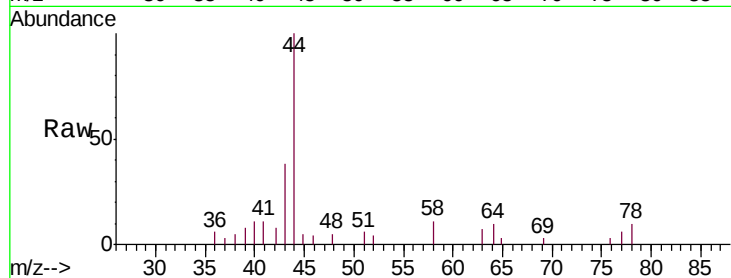
H0G33DL

Tgt Ion: 43 Resp: 2456

Ion Ratio Lower Upper

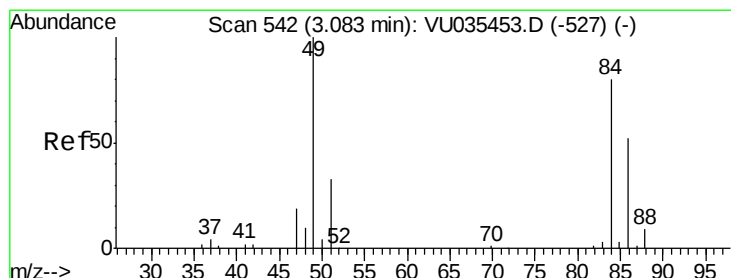
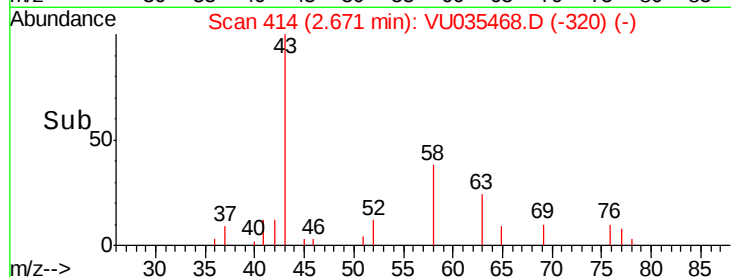
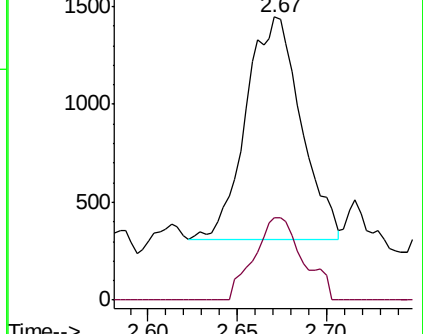
43 100

58 32.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035453.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU035453.D (-401) (-)



#16

Methylene chloride

Concen: 0.497 ug/L

RT: 3.08 min Scan# 542

Delta R.T. -0.00 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

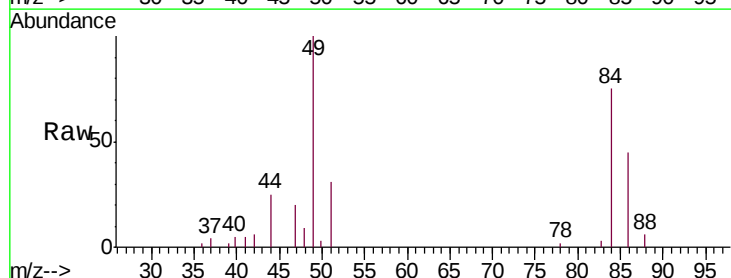
Tgt Ion: 84 Resp: 8335

Ion Ratio Lower Upper

84 100

86 59.3 45.4 84.2

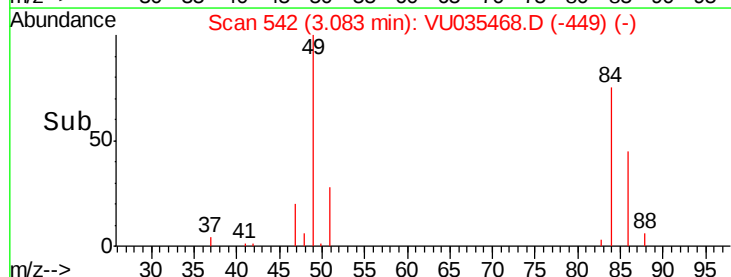
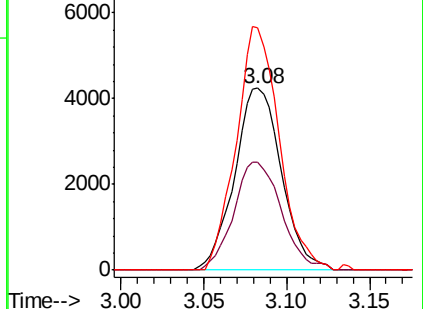
49 133.2 86.8 161.2

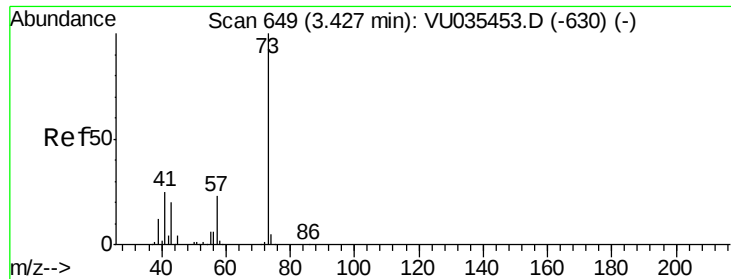


Abundance Ion 84.05 (83.75 to 84.75): VU035453.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035453.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035453.D (-527) (-)





#17

Methyl tert-butyl Ether

Concen: 9.910 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

H0G33DL

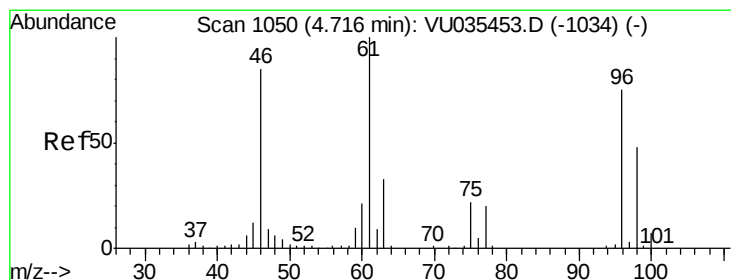
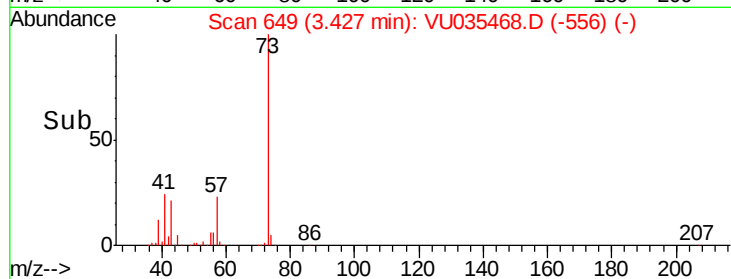
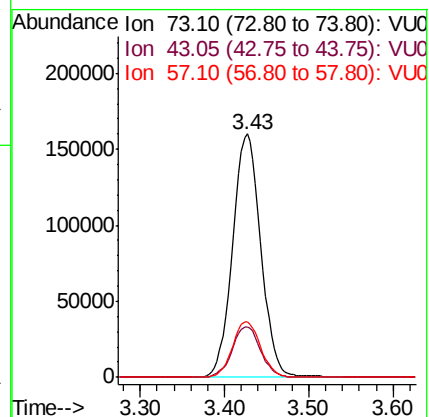
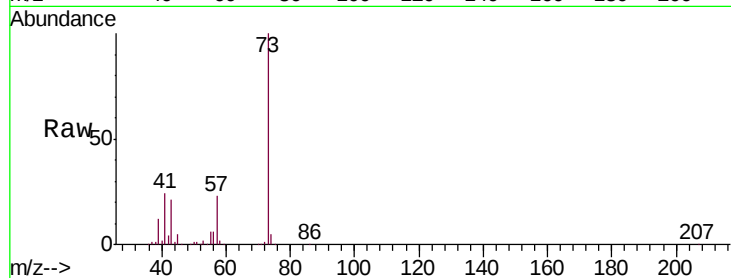
Tgt Ion: 73 Resp: 371801

Ion Ratio Lower Upper

73 100

43 21.1 16.0 24.0

57 22.9 17.4 26.2



#22

cis-1,2-Dichloroethene

Concen: 0.246 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

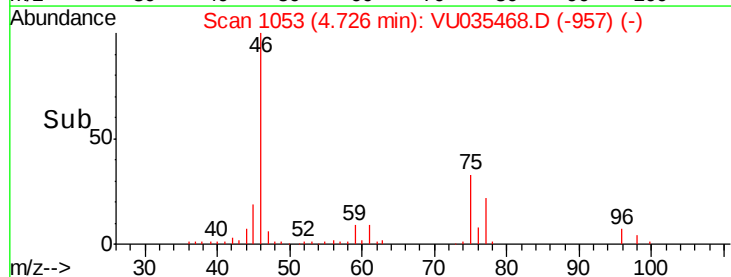
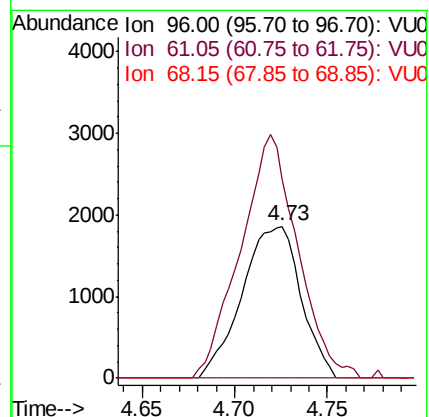
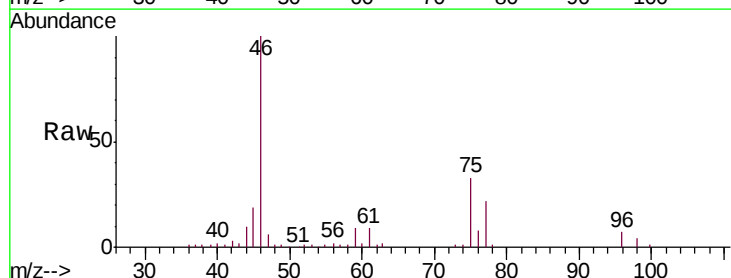
Tgt Ion: 96 Resp: 4091

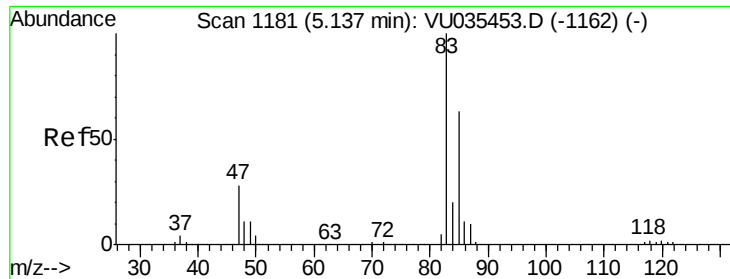
Ion Ratio Lower Upper

96 100

61 130.8 89.7 166.5

68 0.0 0.0 0.0

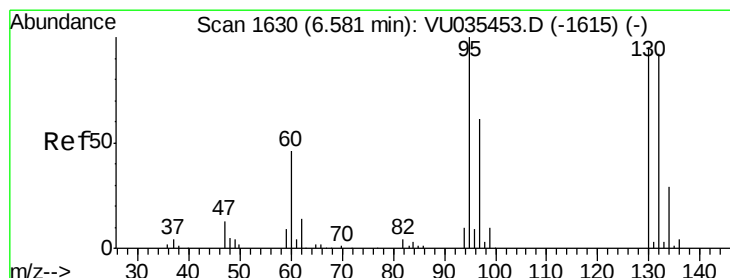
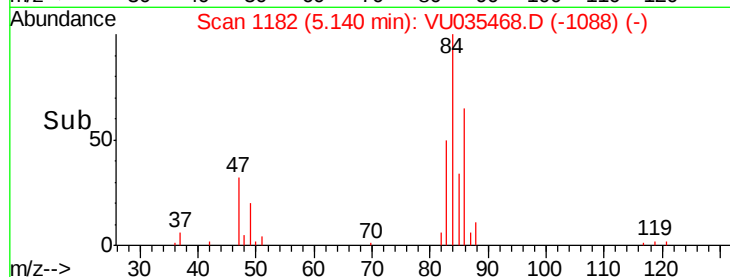
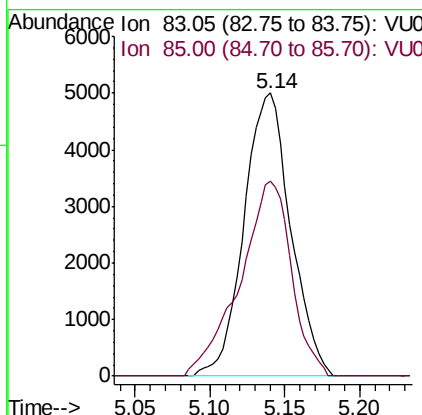
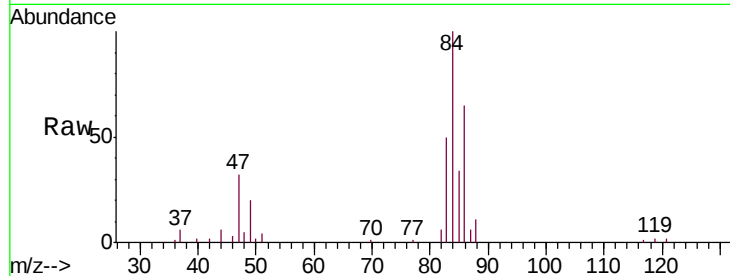




#25
Chloroform
Concen: 0.364 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035468.D
Acq: 24 Oct 2019 18:58

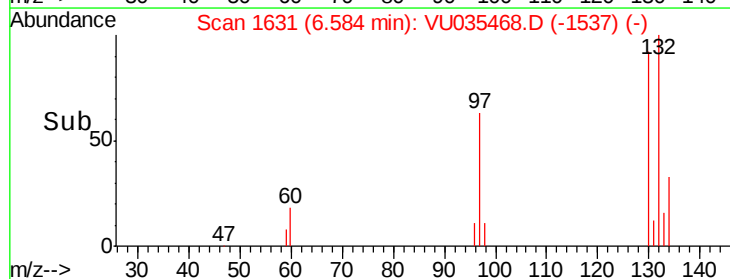
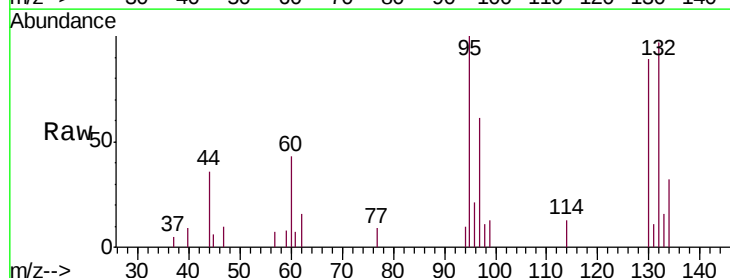
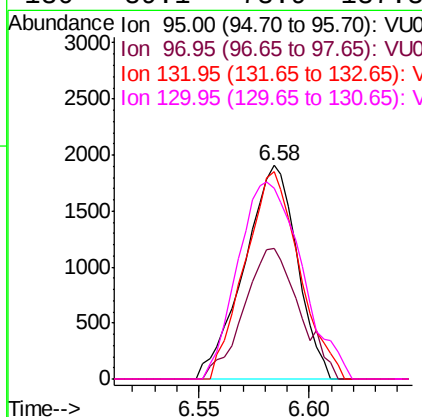
Instrument :
MSVOA_U
ClientSampled :
H0G33DL

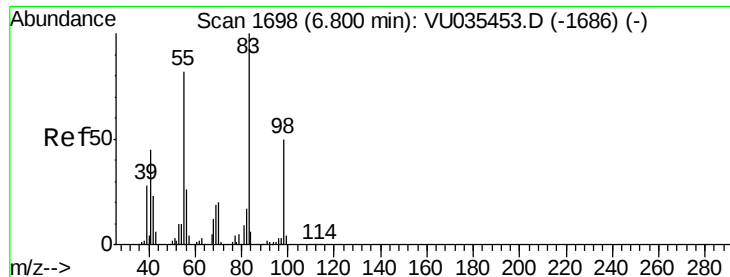
Tgt Ion: 83 Resp: 10859
Ion Ratio Lower Upper
83 100
85 69.0 45.1 83.9



#34
Trichloroethene
Concen: 0.178 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035468.D
Acq: 24 Oct 2019 18:58

Tgt Ion: 95 Resp: 3168
Ion Ratio Lower Upper
95 100
97 61.2 46.6 86.6
132 97.3 68.7 127.7
130 89.1 73.9 137.3





#35

Methylcyclohexane

Concen: 0.585 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

H0G33DL

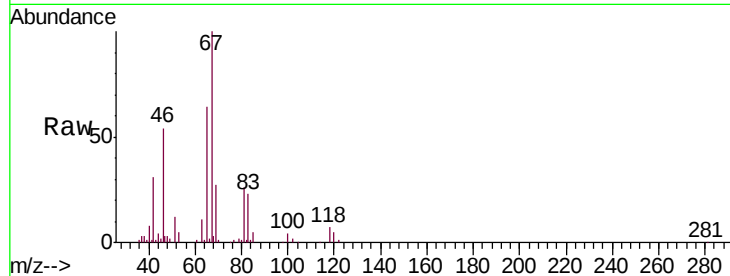
Tgt Ion: 83 Resp: 17402

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

98 1.1 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU035453.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035453.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035453.D (-1686) (-)

6.74

12000

10000

8000

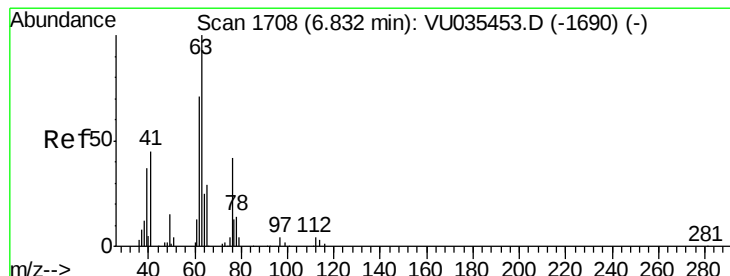
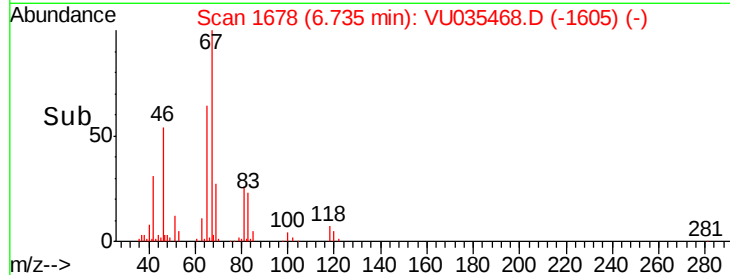
6000

4000

2000

0

Time-->



#37

1,2-Dichloropropane

Concen: 0.472 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035468.D

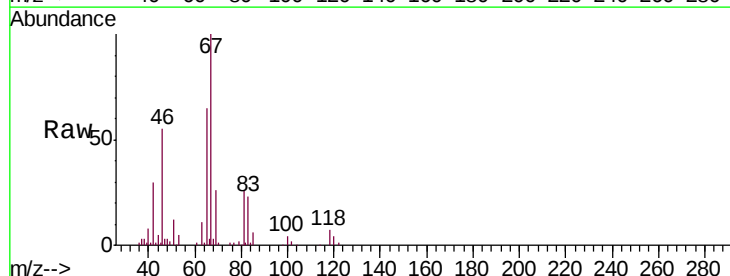
Acq: 24 Oct 2019 18:58

Tgt Ion: 63 Resp: 7935

Ion Ratio Lower Upper

63 100

112 0.2 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035453.D (-1690) (-)

Ion 112.10 (111.80 to 112.80): VU035453.D (-1690) (-)

6.73

4000

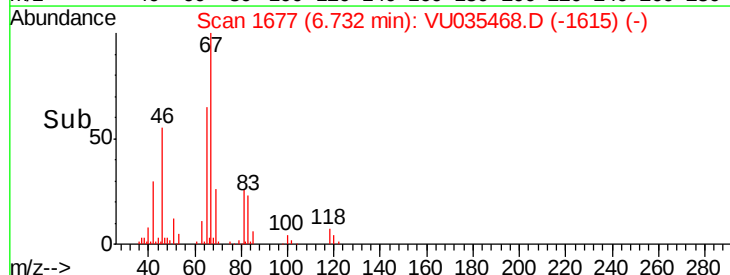
3000

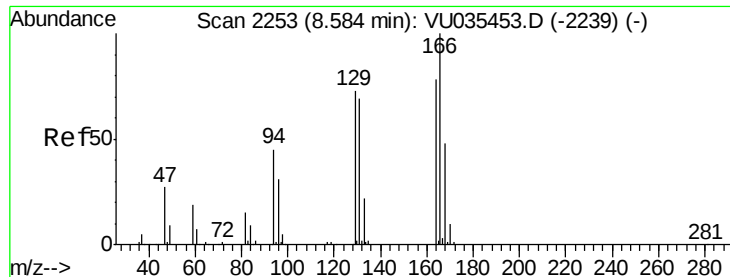
2000

1000

0

Time-->





#47

Tetrachloroethene

Concen: 0.650 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

H0G33DL

Tgt Ion:164 Resp: 9637

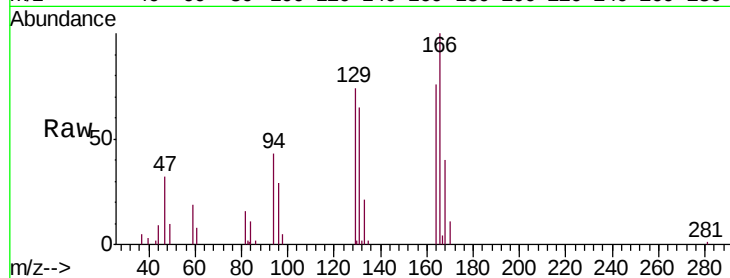
Ion Ratio Lower Upper

164 100

129 97.1 65.2 121.0

131 85.7 62.9 116.9

166 131.3 91.5 169.9

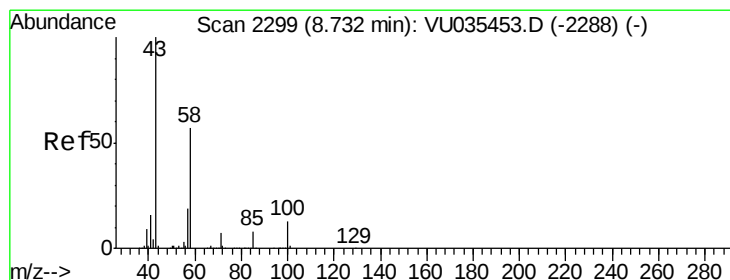
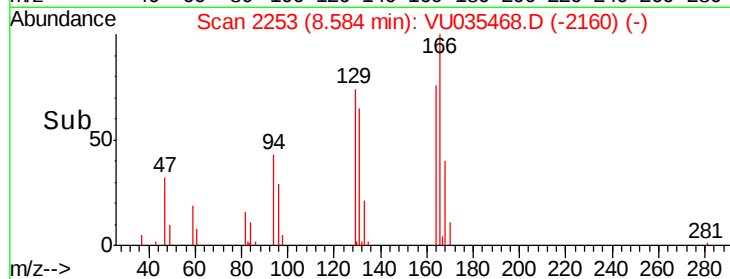
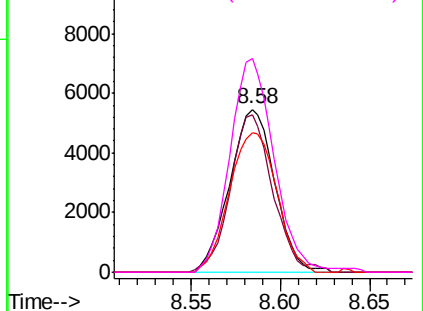


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.746 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

Tgt Ion: 43 Resp: 13888

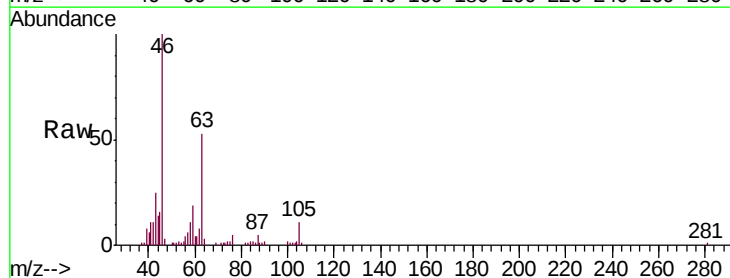
Ion Ratio Lower Upper

43 100

58 42.8 45.1 67.7#

57 0.0 16.0 24.0#

100 5.7 10.4 15.6#

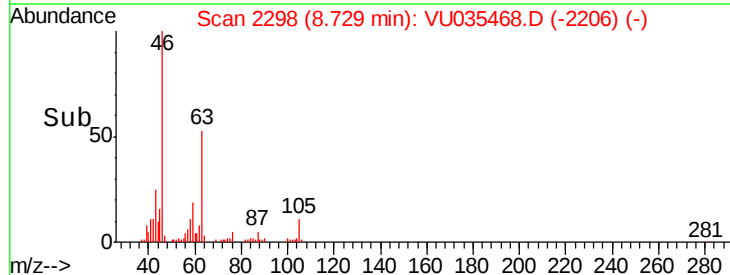
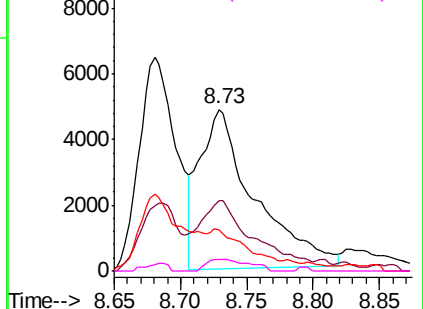


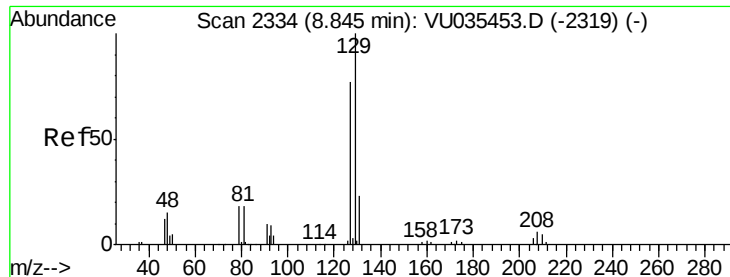
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#49

Dibromochloromethane

Concen: 0.553 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035468.D

Acq: 24 Oct 2019 18:58

Instrument :

MSVOA_U

ClientSampleId :

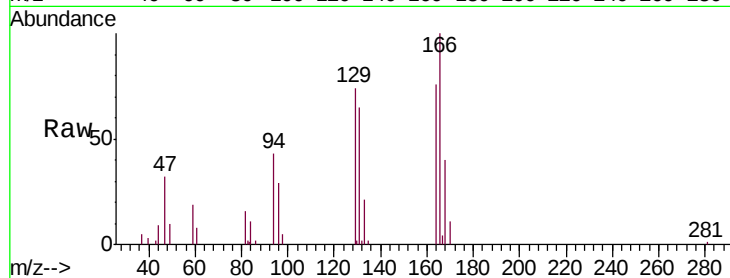
H0G33DL

Tgt Ion:129 Resp: 8747

Ion Ratio Lower Upper

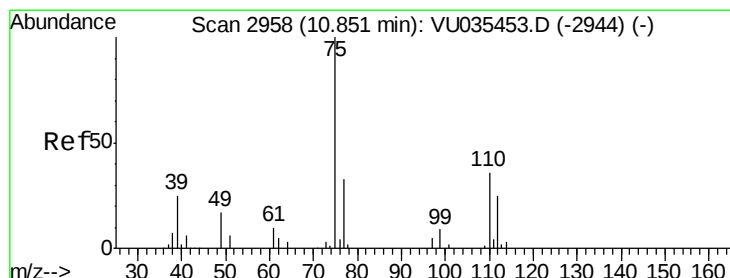
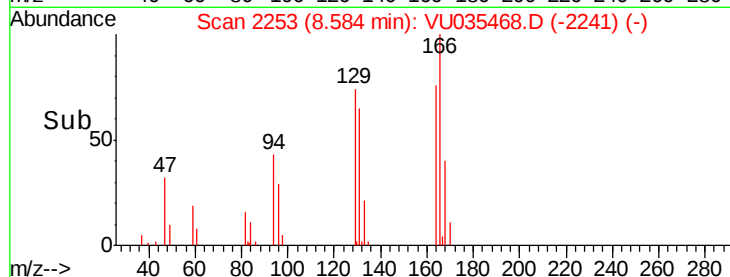
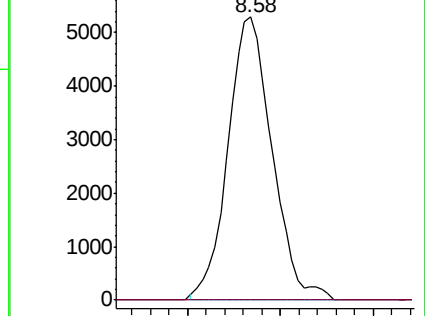
129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.668 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035468.D

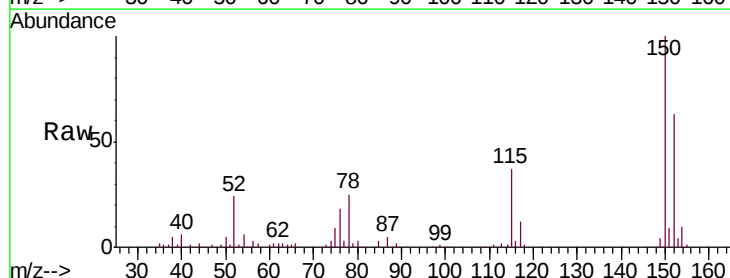
Acq: 24 Oct 2019 18:58

Tgt Ion: 75 Resp: 7815

Ion Ratio Lower Upper

75 100

77 39.6 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

