

Data File : VU035472.D
Acq On : 24 Oct 2019 20:37
Operator : JC/SP
Sample : K5488-17DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G08DL

Quant Time: Oct 25 07:09:48 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	221429	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	226030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	61974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	46810	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.93	69	51728	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.60	63	68217	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.70	46	227391	58.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.22%
24) Chloroform-d	5.11	84	116911	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.75	65	68359	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.77	84	203849	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
36) 1,2-Dichloropropane-d6	6.74	67	78397	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.93	98	150857	3.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	61.00%#
43) trans-1,3-Dichloropropene-	8.22	79	26597	3.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.80%
46) 2-Hexanone-d5	8.70	63	146729	41.77	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.54%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	75622	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	48187	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	14898	0.776 ug/L #	71
16) Methylene chloride	3.09	84	6630	0.387 ug/L	96
17) Methyl tert-butyl Ether	3.43	73	5351	0.140 ug/L #	92
18) trans-1,2-Dichloroethene	3.39	96	7796	0.508 ug/L	89
22) cis-1,2-Dichloroethene	4.72	96	155644	9.172 ug/L	98
25) Chloroform	5.14	83	10701	0.351 ug/L	97
34) Trichloroethene	6.58	95	17455	0.976 ug/L	95
35) Methylcyclohexane	6.74	83	18716	0.626 ug/L #	18
37) 1,2-Dichloropropane	6.74	63	8876	0.526 ug/L #	87
48) 2-Hexanone	8.70	43	11138	1.393 ug/L #	49
59) 1,2,3-Trichloropropane	11.85	75	7446	0.633 ug/L #	85

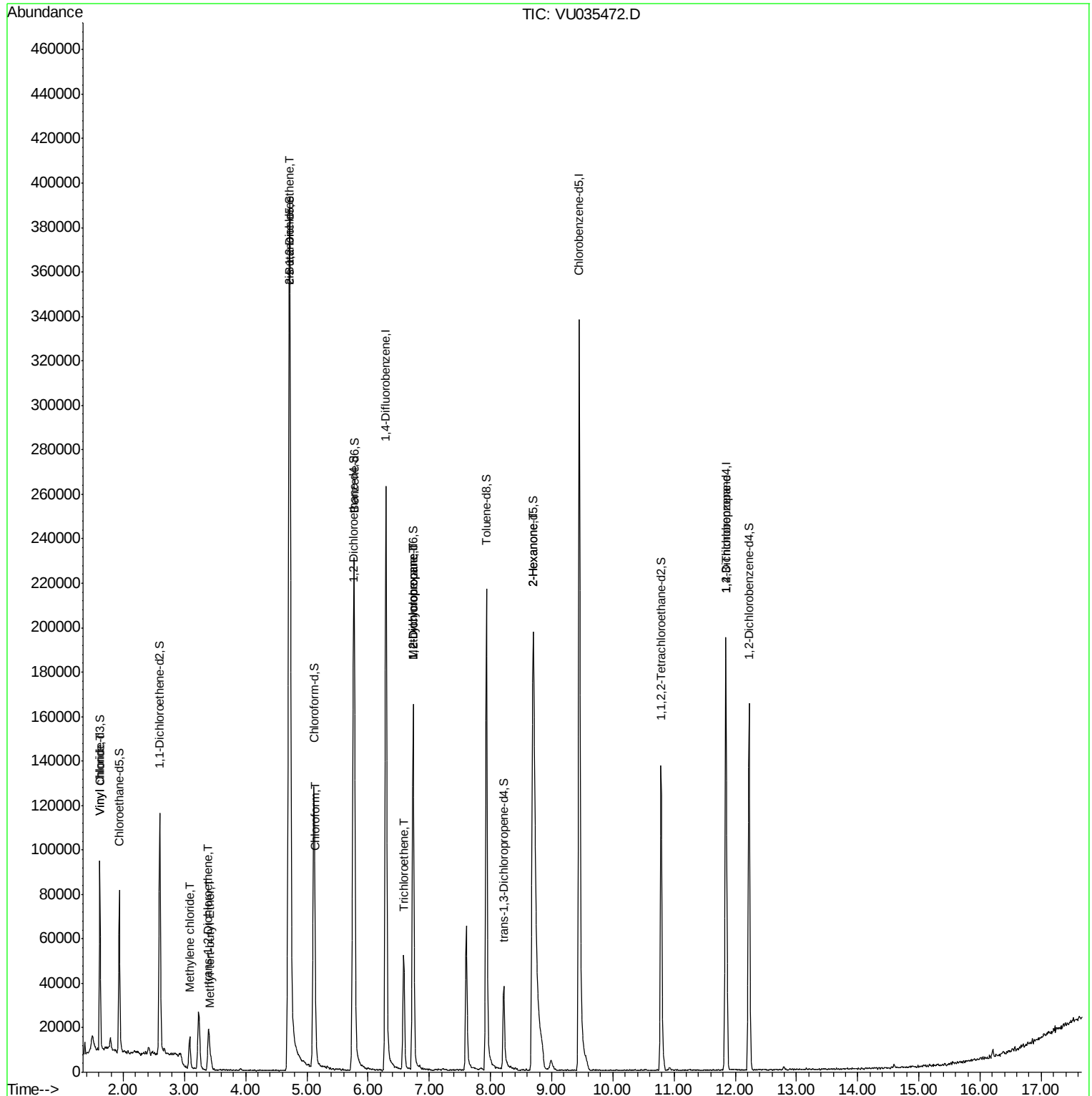
(#) = qualifier out of range (m) = manual integration (+) = signals summed

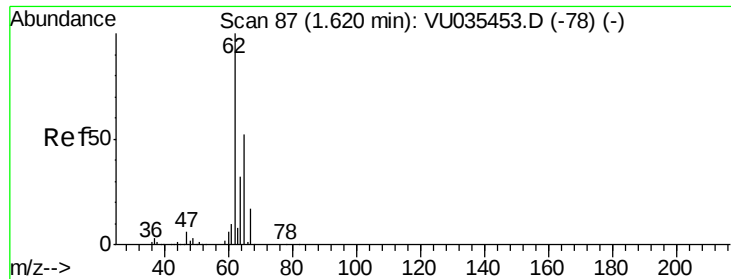
Data File : VU035472.D

```
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#5

Vinyl chloride

Concen: 0.776 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

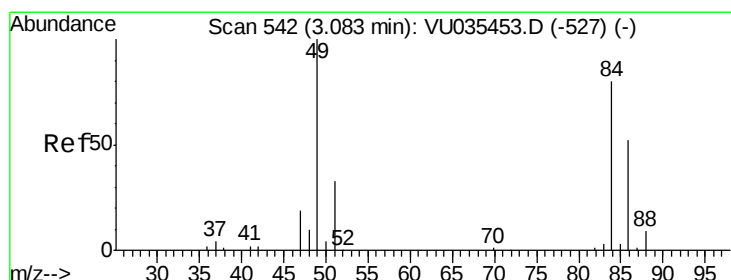
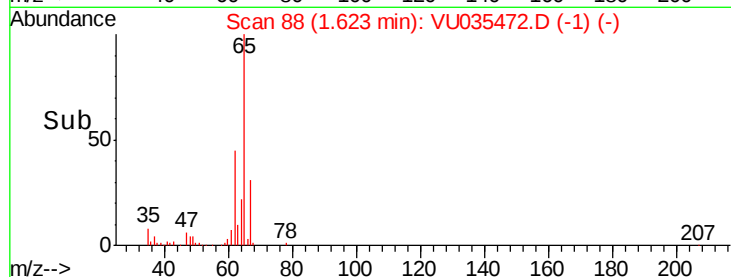
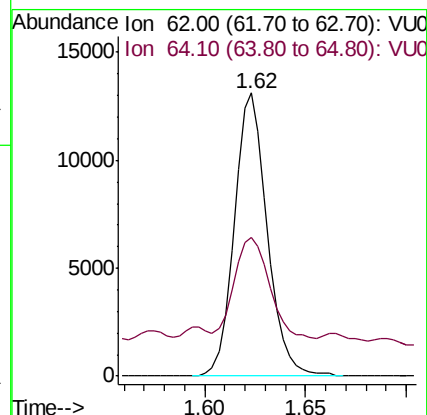
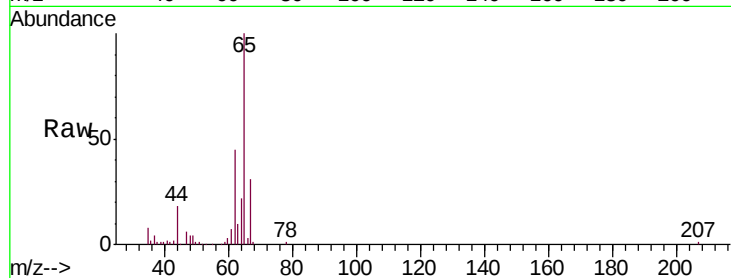
H0G08DL

Tgt Ion: 62 Resp: 14898

Ion Ratio Lower Upper

62 100

64 48.9 22.9 42.5#



#16

Methylene chloride

Concen: 0.387 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

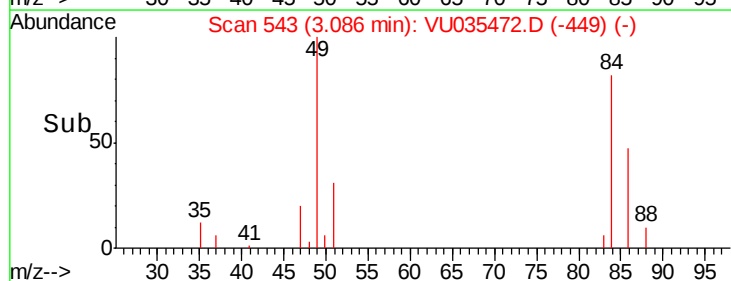
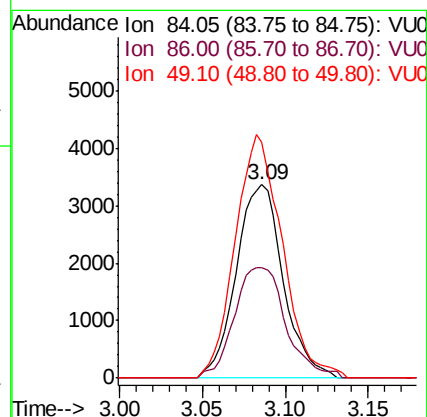
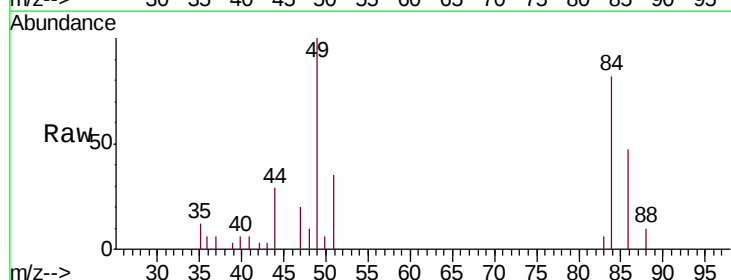
Tgt Ion: 84 Resp: 6630

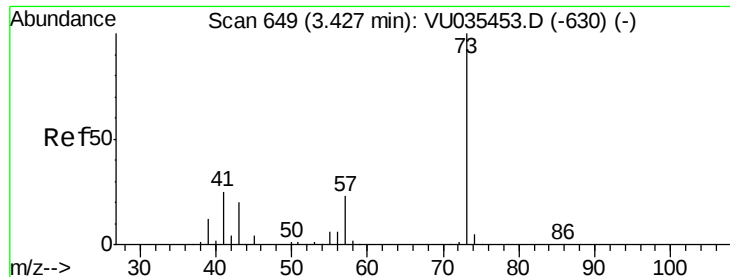
Ion Ratio Lower Upper

84 100

86 57.4 45.4 84.2

49 122.5 86.8 161.2





#17

Methyl tert-butyl Ether

Concen: 0.140 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

H0G08DL

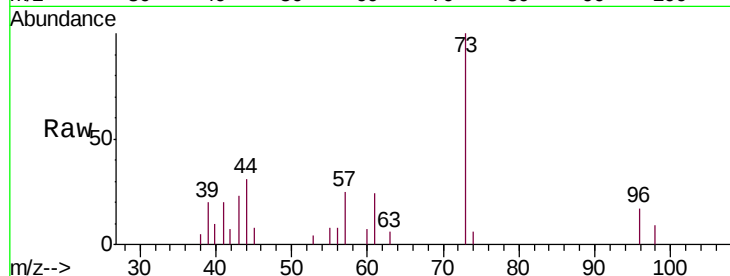
Tgt Ion: 73 Resp: 5351

Ion Ratio Lower Upper

73 100

43 26.6 16.0 24.0#

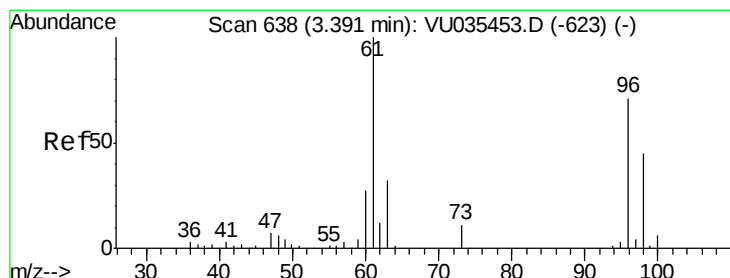
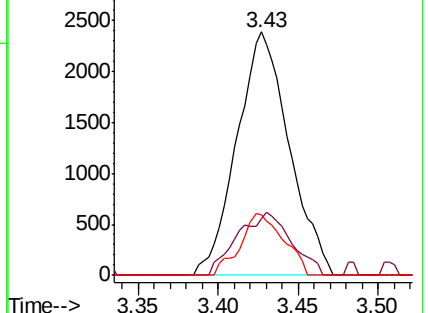
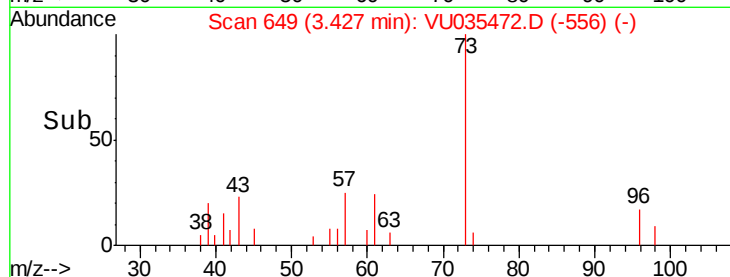
57 20.7 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035472.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035472.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035472.D (-556) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.508 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

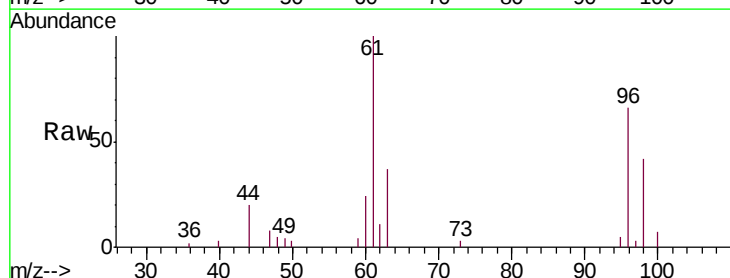
Tgt Ion: 96 Resp: 7796

Ion Ratio Lower Upper

96 100

61 151.0 93.0 172.6

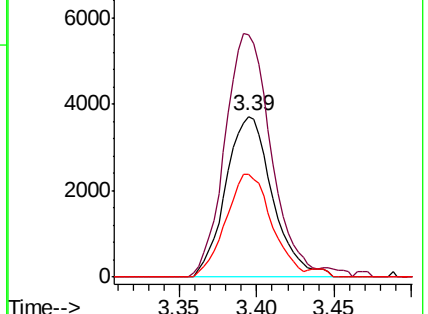
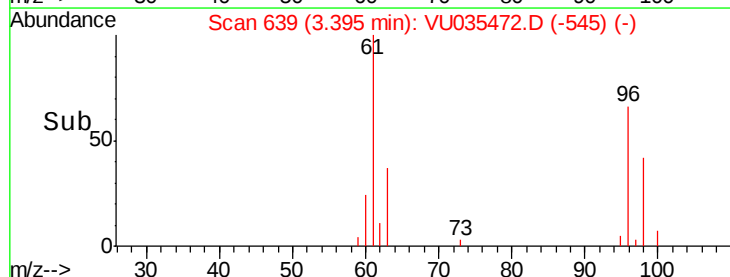
98 63.8 43.7 81.1

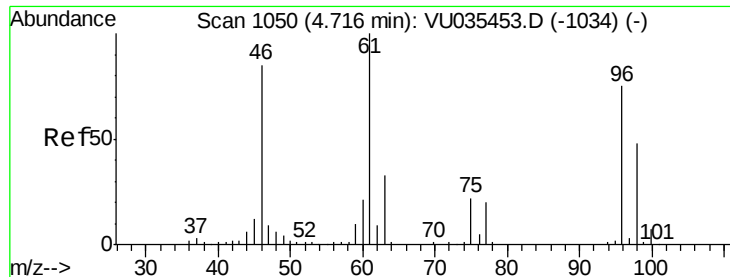


Abundance Ion 96.00 (95.70 to 96.70): VU035472.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035472.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035472.D (-545) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.172 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

H0G08DL

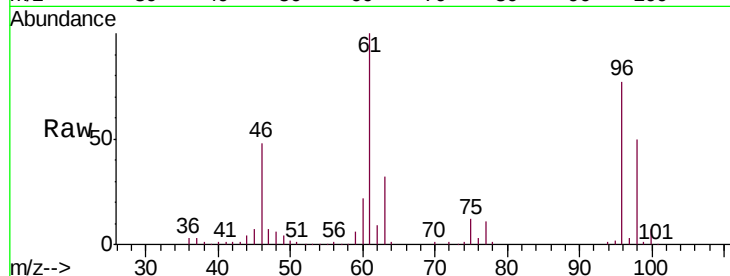
Tgt Ion: 96 Resp: 155644

Ion Ratio Lower Upper

96 100

61 130.1 89.7 166.5

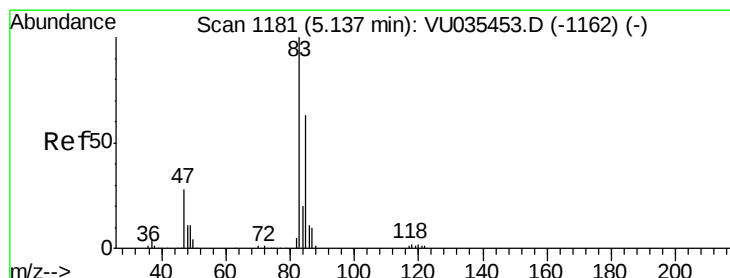
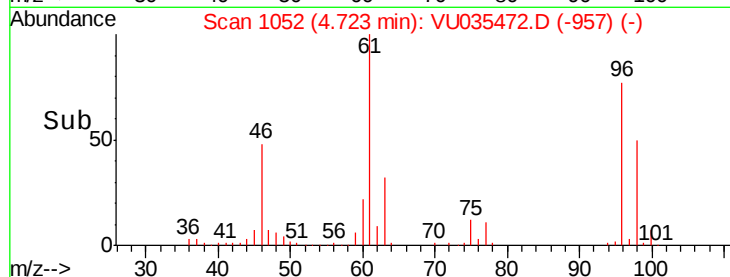
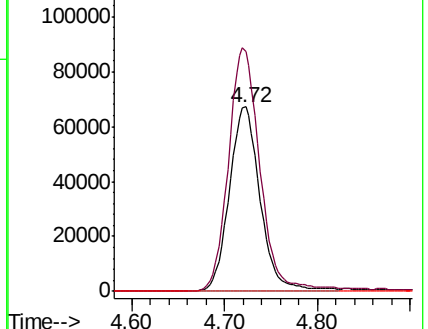
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035472.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035472.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035472.D (-957) (-)



#25

Chloroform

Concen: 0.351 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035472.D

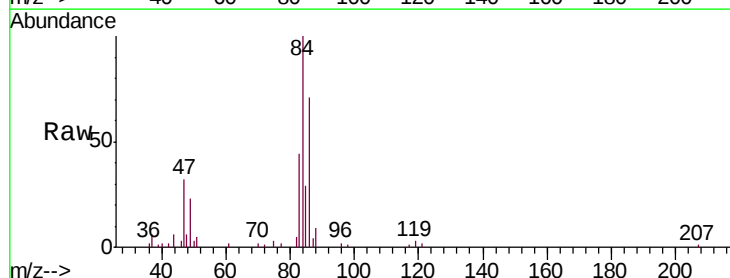
Acq: 24 Oct 2019 20:37

Tgt Ion: 83 Resp: 10701

Ion Ratio Lower Upper

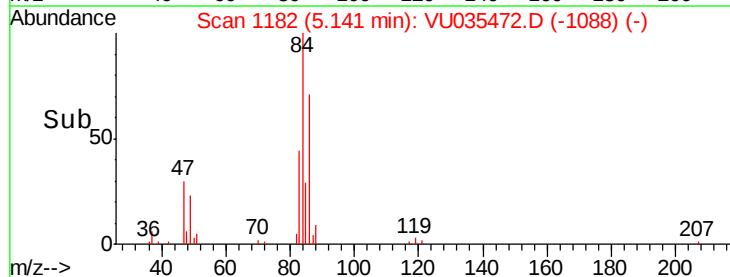
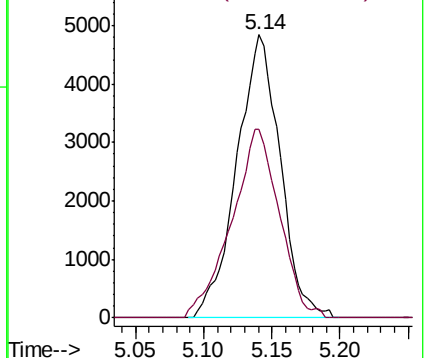
83 100

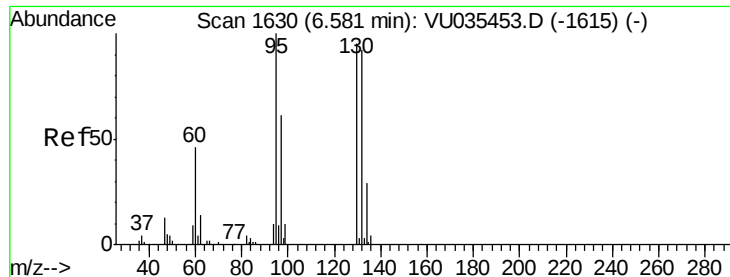
85 66.8 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035472.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035472.D (-1088) (-)





#34

Trichloroethene

Concen: 0.976 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

H0G08DL

Tgt Ion: 95 Resp: 17455

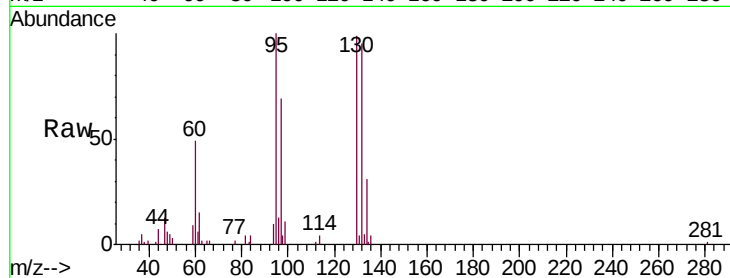
Ion Ratio Lower Upper

95 100

97 68.8 46.6 86.6

132 94.5 68.7 127.7

130 99.0 73.9 137.3

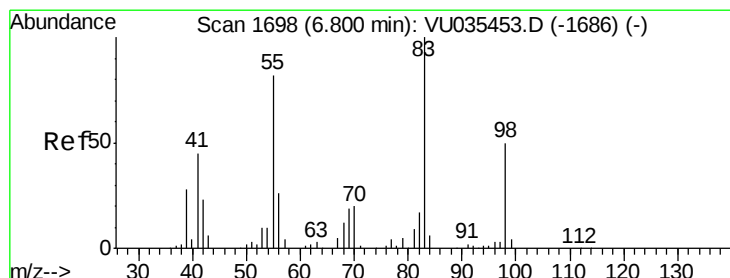
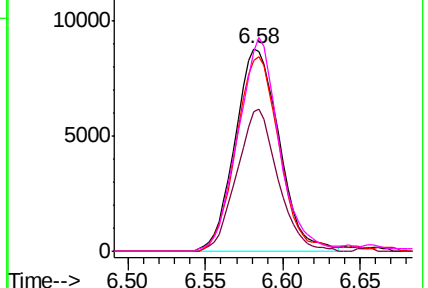
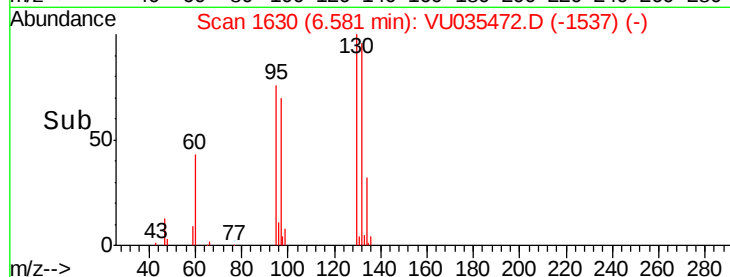


Abundance Ion 95.00 (94.70 to 95.70): VU035472.D (-1537) (-)

Ion 96.95 (96.65 to 97.65): VU035472.D (-1537) (-)

Ion 131.95 (131.65 to 132.65): VU035472.D (-1537) (-)

Ion 129.95 (129.65 to 130.65): VU035472.D (-1537) (-)



#35

Methylcyclohexane

Concen: 0.626 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

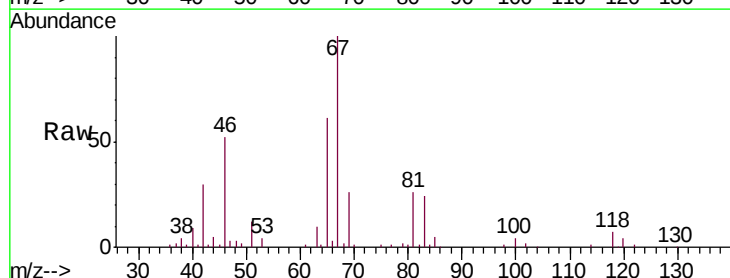
Tgt Ion: 83 Resp: 18716

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

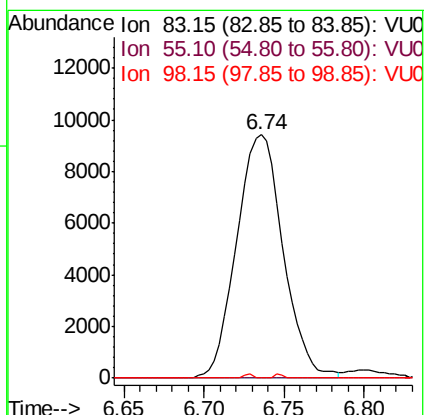
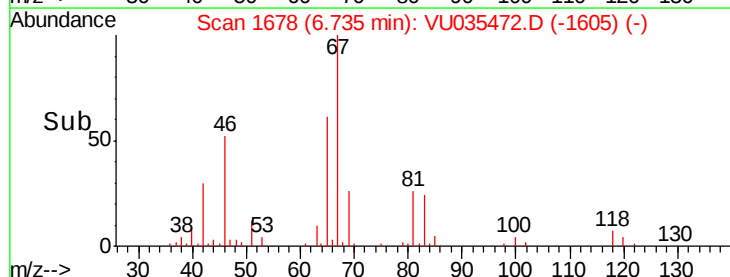
98 0.3 39.5 59.3#

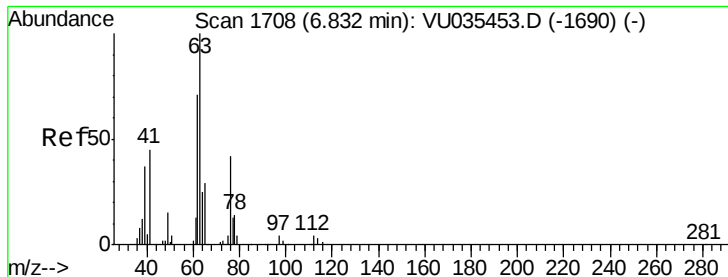


Abundance Ion 83.15 (82.85 to 83.85): VU035472.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035472.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035472.D (-1605) (-)





#37

1,2-Dichloropropane

Concen: 0.526 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

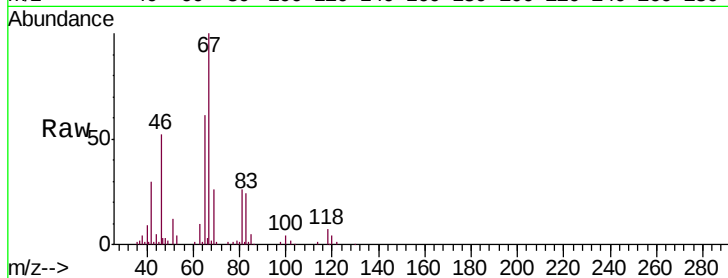
H0G08DL

Tgt Ion: 63 Resp: 8876

Ion Ratio Lower Upper

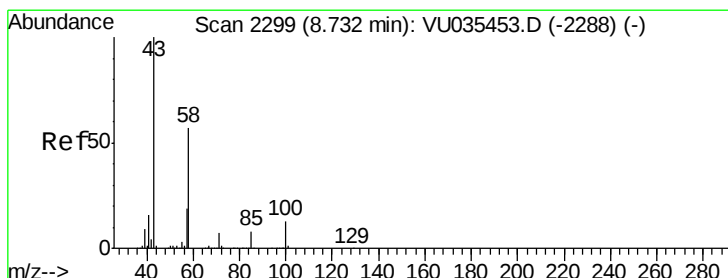
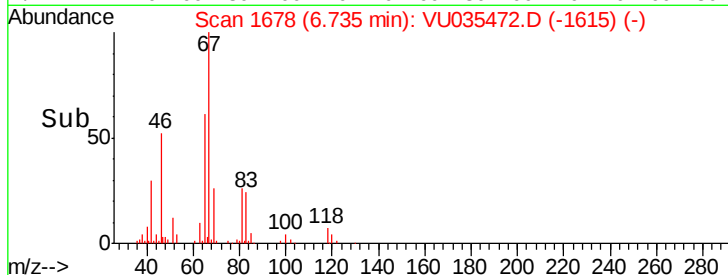
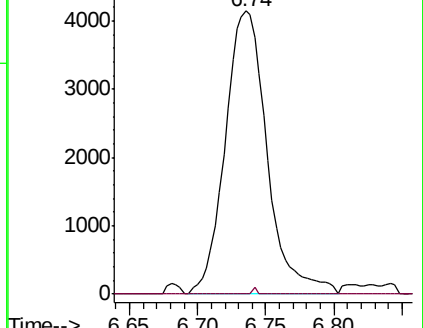
63 100

112 0.2 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035472.D (-1678) (-)

Ion 112.10 (111.80 to 112.80): VU035472.D (-1678) (-)



#48

2-Hexanone

Concen: 1.393 ug/L

RT: 8.70 min Scan# 2289

Delta R.T. -0.03 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Tgt Ion: 43 Resp: 11138

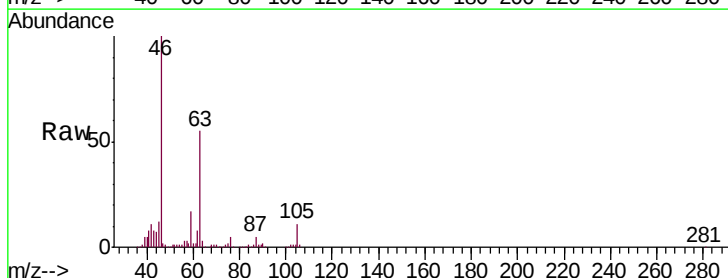
Ion Ratio Lower Upper

43 100

58 32.8 45.1 67.7#

57 75.5 16.0 24.0#

100 3.8 10.4 15.6#

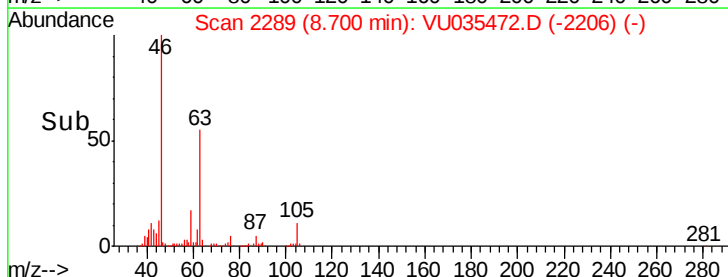
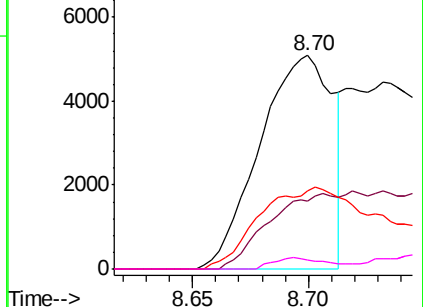


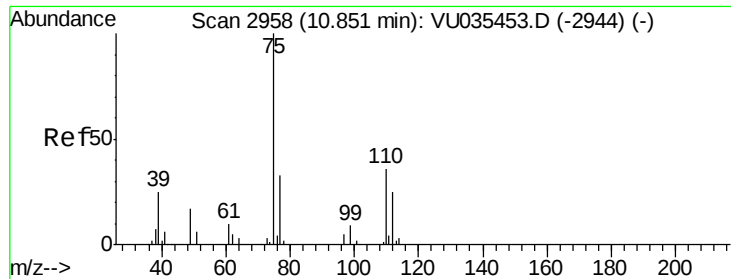
Abundance Ion 43.05 (42.75 to 43.75): VU035472.D (-2206) (-)

Ion 58.05 (57.75 to 58.75): VU035472.D (-2206) (-)

Ion 57.20 (56.90 to 57.90): VU035472.D (-2206) (-)

Ion 100.15 (99.85 to 100.85): VU035472.D (-2206) (-)





#59

1,2,3-Trichloropropane

Concen: 0.633 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. 1.00 min

Lab File: VU035472.D

Acq: 24 Oct 2019 20:37

Instrument :

MSVOA_U

ClientSampleId :

H0G08DL

Tgt Ion: 75 Resp: 7446

Ion Ratio Lower Upper

75 100

77 41.3 26.2 39.2#

