

Data File : VU035467.D
Acq On : 24 Oct 2019 18:33
Operator : JC/SP
Sample : K5488-11DL 4X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G53DL

Quant Time: Oct 25 07:09:03 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	215820	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	225666	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	66864	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	48041	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.94	69	53602	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	2.59	63	68989	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.70	46	231355	61.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.36%
24) Chloroform-d	5.11	84	111422	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.75	65	70287	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.77	84	205245	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.60%
36) 1,2-Dichloropropane-d6	6.74	67	79287	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.93	98	154978	3.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	62.80%#
43) trans-1,3-Dichloropropene-	8.21	79	26507	3.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.60%
46) 2-Hexanone-d5	8.68	63	147390	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	75314	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	52891	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

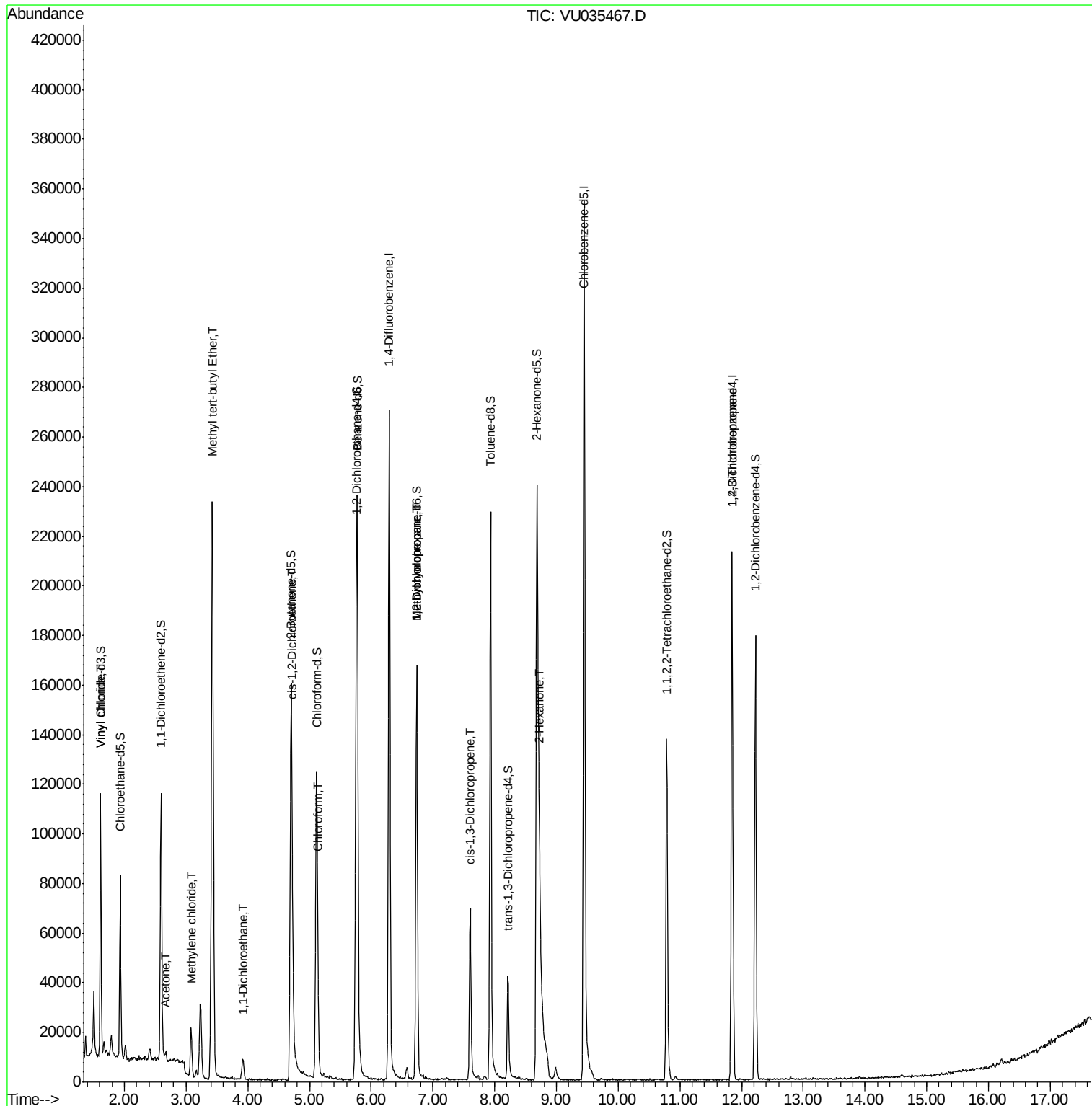
					Qvalue
5) Vinyl chloride	1.62	62	5905	0.316 ug/L #	24
13) Acetone	2.67	43	2485	0.945 ug/L	96
16) Methylene chloride	3.08	84	9552	0.573 ug/L	99
17) Methyl tert-butyl Ether	3.43	73	243796	6.533 ug/L	97
19) 1,1-Dichloroethane	3.92	63	10493	0.388 ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	2124	0.128 ug/L	90
25) Chloroform	5.14	83	13394	0.451 ug/L	94
35) Methylcyclohexane	6.73	83	18132	0.608 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	8811	0.523 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2060	0.073 ug/L #	69
48) 2-Hexanone	8.73	43	9966	1.249 ug/L #	43
59) 1,2,3-Trichloropropane	11.84	75	8881	0.756 ug/L	95

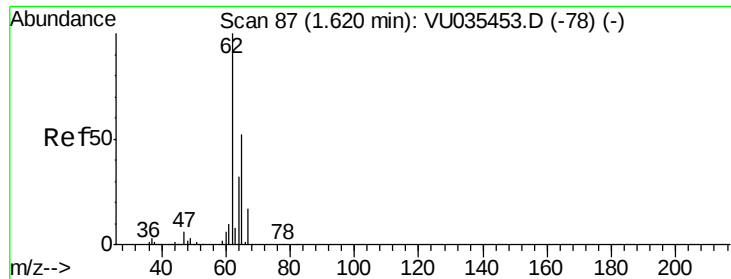
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.316 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035467.D

Acq: 24 Oct 2019 18:33

Instrument :

MSVOA_U

ClientSampleId :

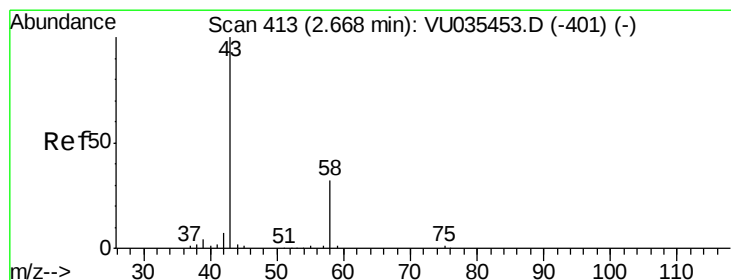
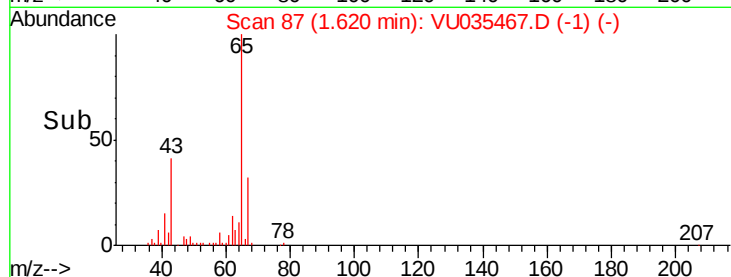
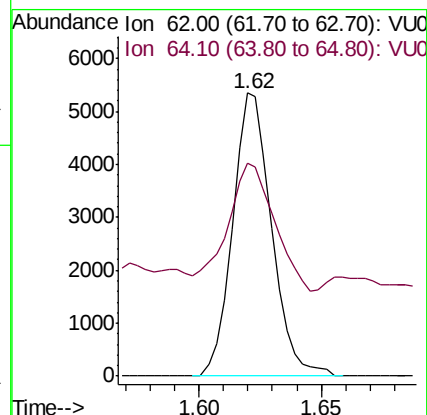
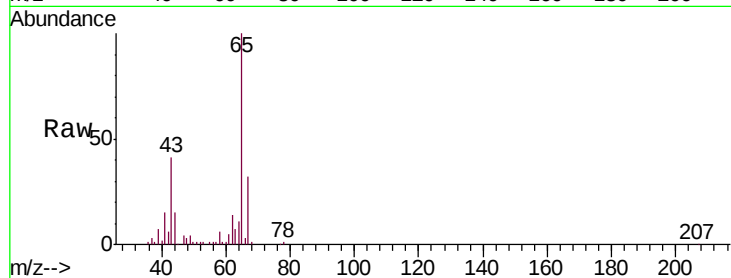
H0G53DL

Tgt Ion: 62 Resp: 5905

Ion Ratio Lower Upper

62 100

64 75.4 22.9 42.5#



#13

Acetone

Concen: 0.945 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035467.D

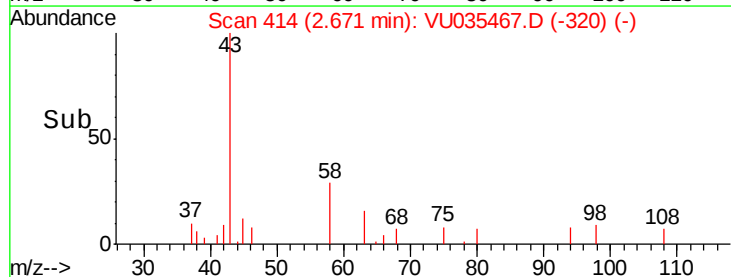
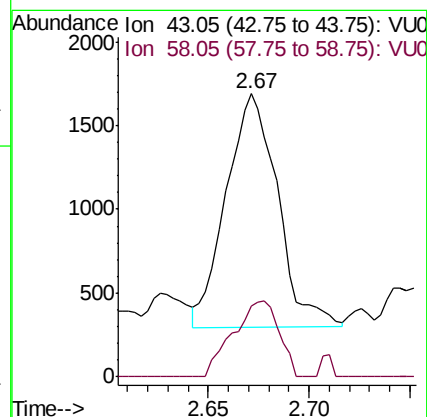
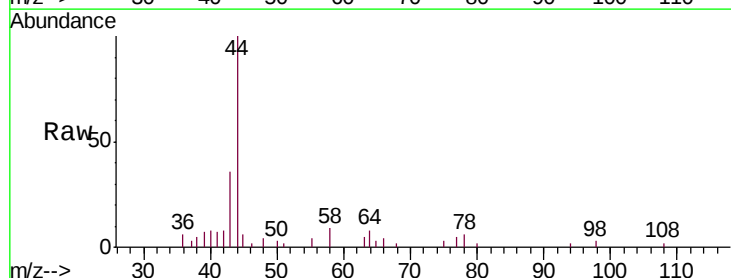
Acq: 24 Oct 2019 18:33

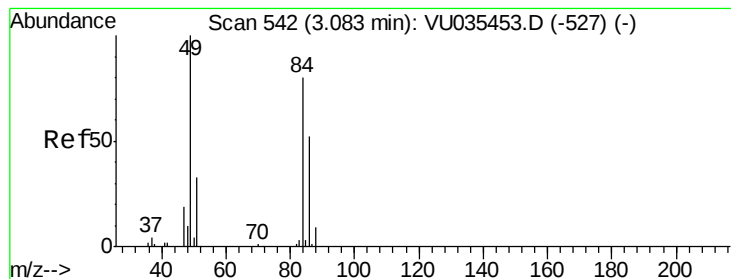
Tgt Ion: 43 Resp: 2485

Ion Ratio Lower Upper

43 100

58 28.9 0.0 61.8





#16

Methylene chloride

Concen: 0.573 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035467.D

Acq: 24 Oct 2019 18:33

Instrument :

MSVOA_U

ClientSampleId :

H0G53DL

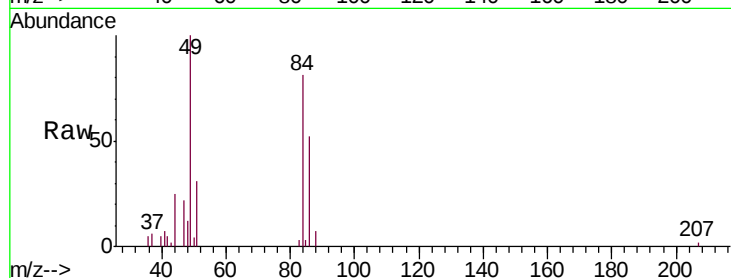
Tgt Ion: 84 Resp: 9552

Ion Ratio Lower Upper

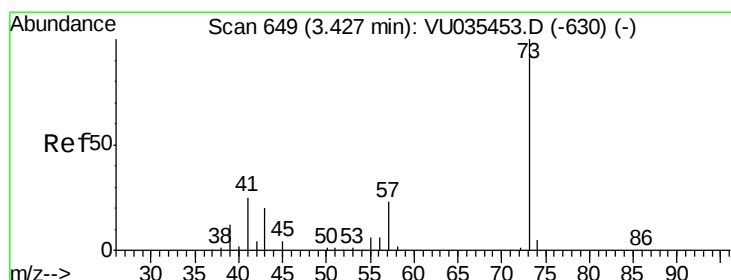
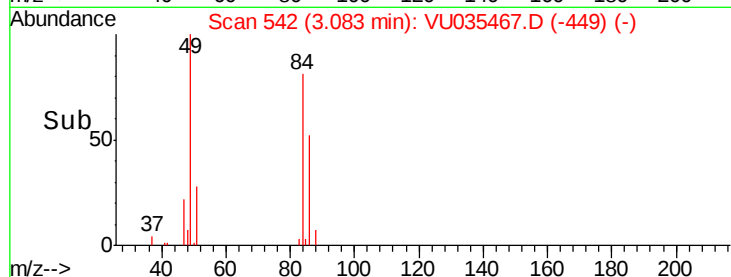
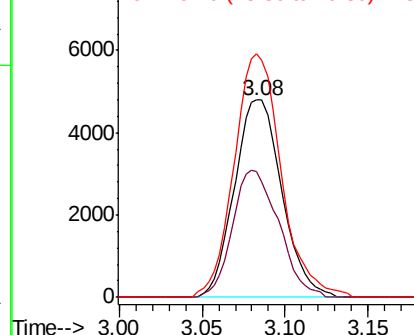
84 100

86 64.0 45.4 84.2

49 123.4 86.8 161.2



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 6.533 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035467.D

Acq: 24 Oct 2019 18:33

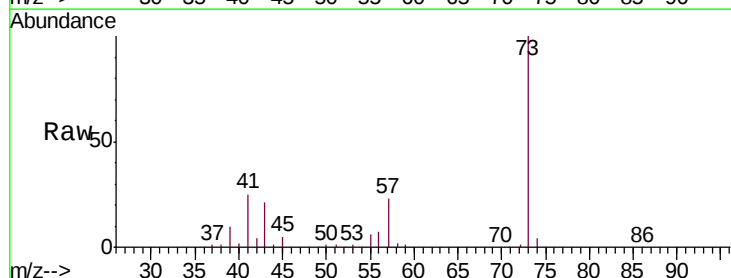
Tgt Ion: 73 Resp: 243796

Ion Ratio Lower Upper

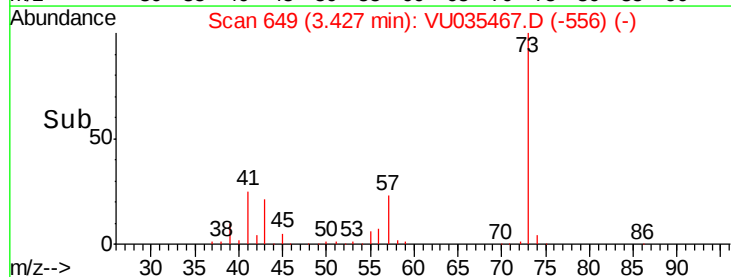
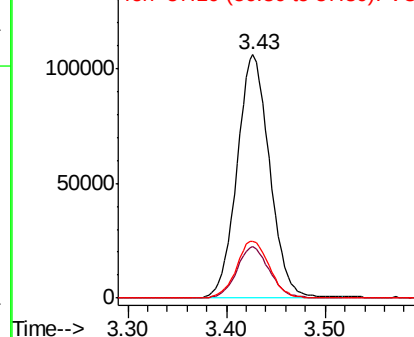
73 100

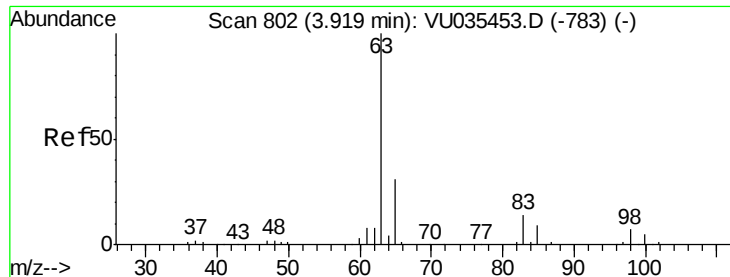
43 21.2 16.0 24.0

57 23.6 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#19

1,1-Dichloroethane

Concen: 0.388 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035467.D

Acq: 24 Oct 2019 18:33

Instrument :

MSVOA_U

ClientSampleId :

H0G53DL

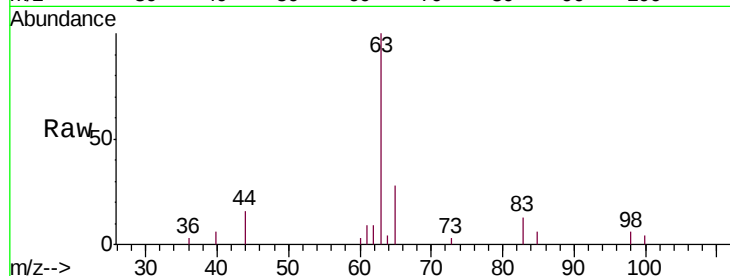
Tgt Ion: 63 Resp: 10493

Ion Ratio Lower Upper

63 100

65 28.4 22.4 41.6

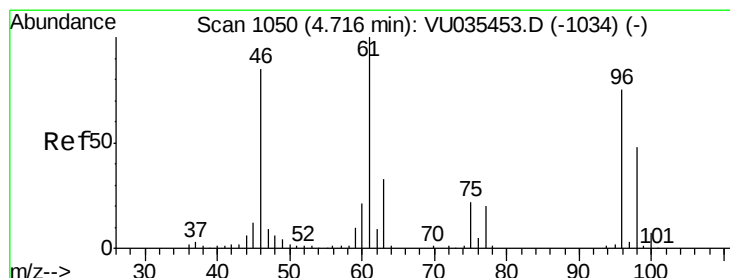
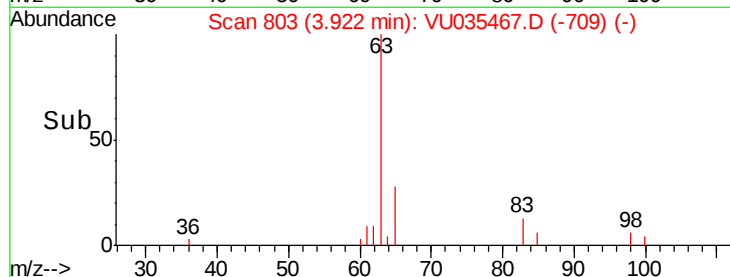
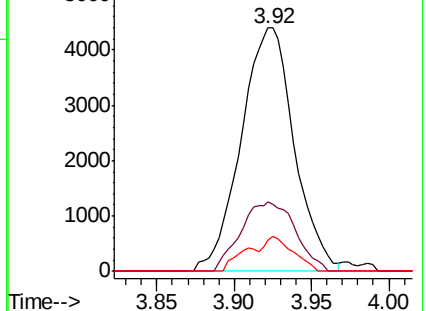
83 13.0 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035453.D (-783) (-)

Ion 65.10 (64.80 to 65.80): VU035453.D (-783) (-)

Ion 83.05 (82.75 to 83.75): VU035453.D (-783) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.128 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035467.D

Acq: 24 Oct 2019 18:33

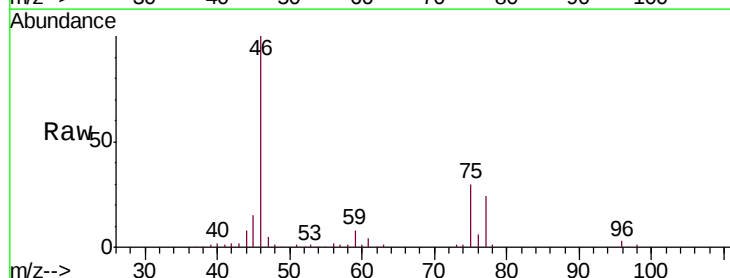
Tgt Ion: 96 Resp: 2124

Ion Ratio Lower Upper

96 100

61 139.8 89.7 166.5

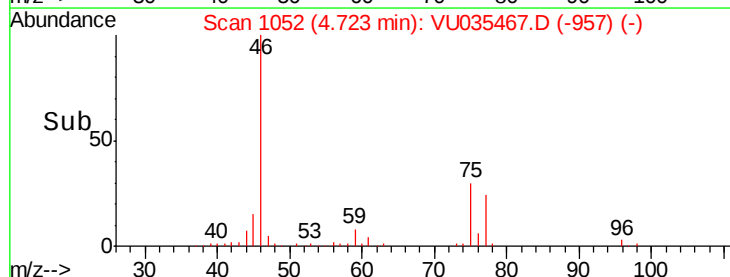
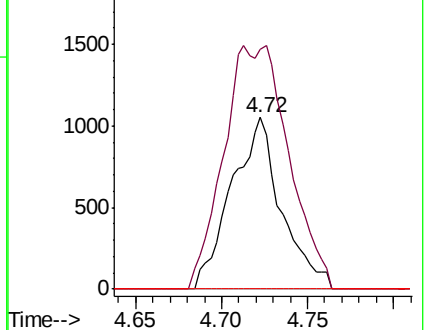
68 0.0 0.0 0.0

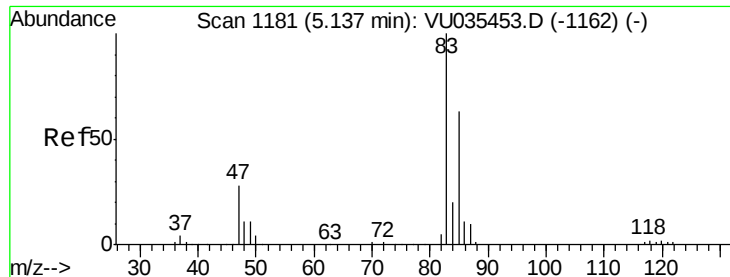


Abundance Ion 96.00 (95.70 to 96.70): VU035453.D (-1034) (-)

Ion 61.05 (60.75 to 61.75): VU035453.D (-1034) (-)

Ion 68.15 (67.85 to 68.85): VU035453.D (-1034) (-)

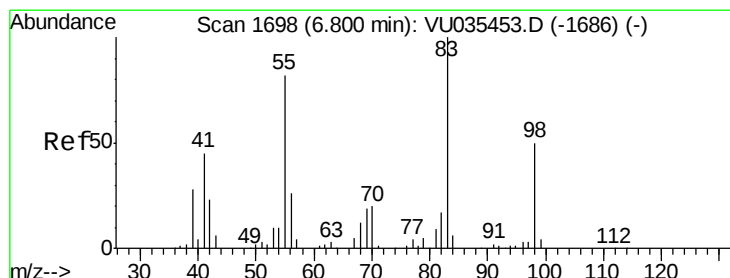
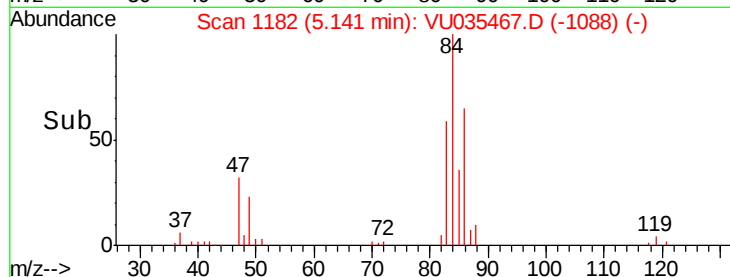
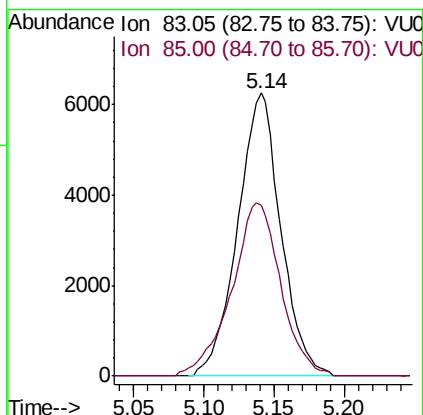
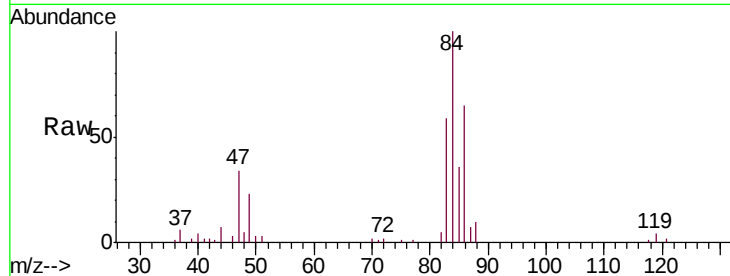




#25
Chloroform
Concen: 0.451 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035467.D
Acq: 24 Oct 2019 18:33

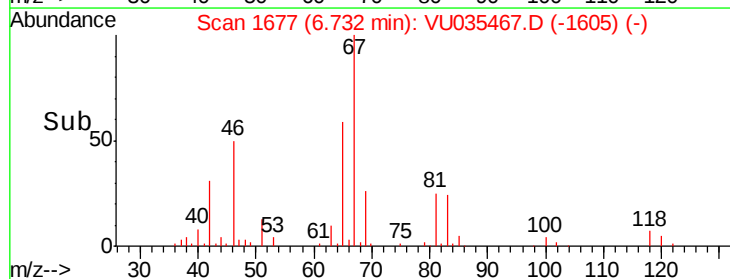
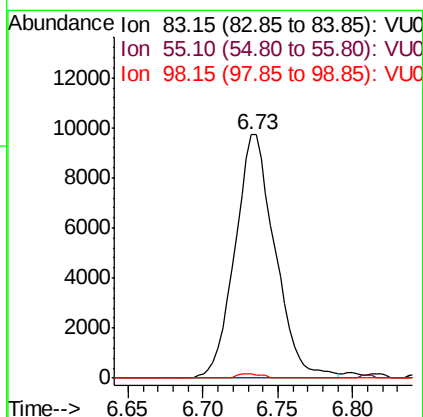
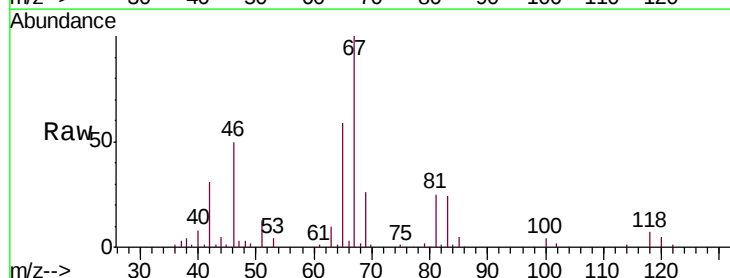
Instrument :
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ClientSampleId :
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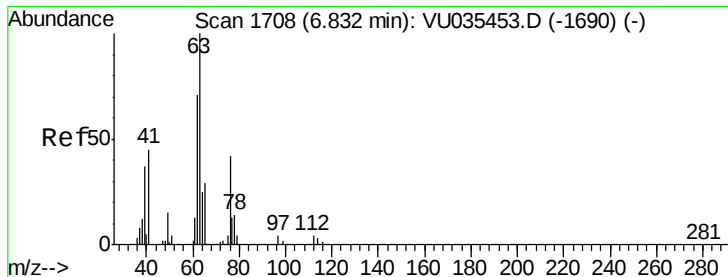
Tgt Ion: 83 Resp: 13394
Ion Ratio Lower Upper
83 100
85 60.1 45.1 83.9



#35
Methylcyclohexane
Concen: 0.608 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035467.D
Acq: 24 Oct 2019 18:33

Tgt Ion: 83 Resp: 18132
Ion Ratio Lower Upper
83 100
55 0.4 60.4 90.6#
98 1.0 39.5 59.3#





#37

1,2-Dichloropropane

Concen: 0.523 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU035467.D

Acq: 24 Oct 2019 18:33

Instrument :

MSVOA_U

ClientSampleId :

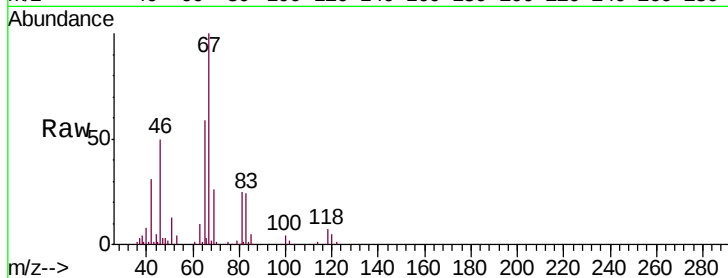
H0G53DL

Tgt Ion: 63 Resp: 8811

Ion Ratio Lower Upper

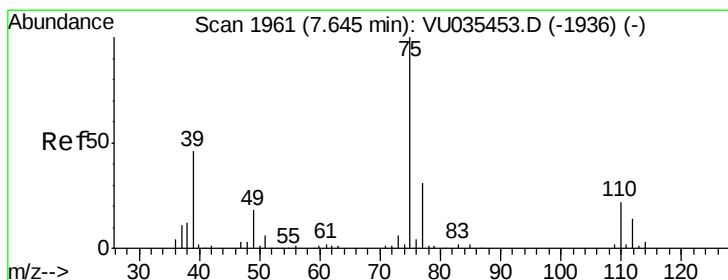
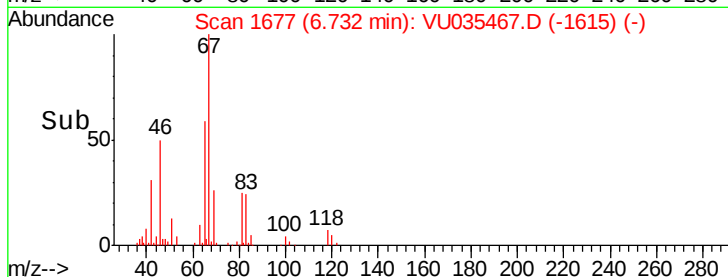
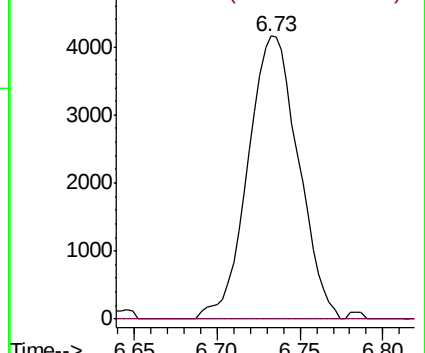
63 100

112 0.0 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) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU035467.D

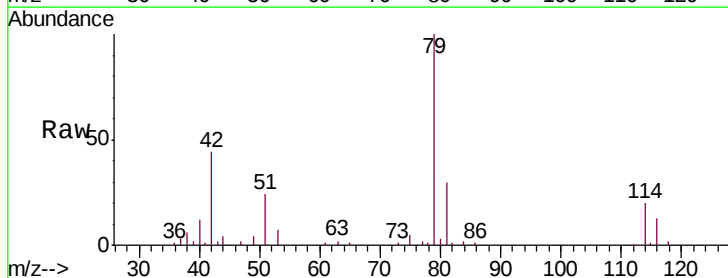
Acq: 24 Oct 2019 18:33

Tgt Ion: 75 Resp: 2060

Ion Ratio Lower Upper

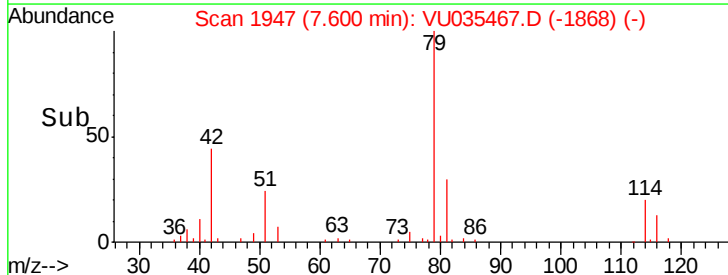
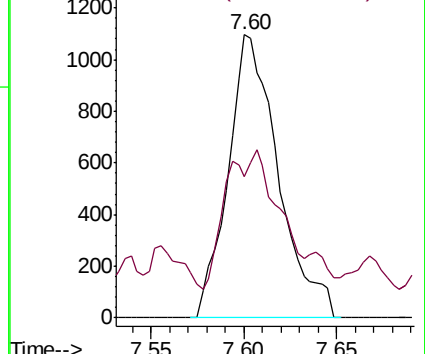
75 100

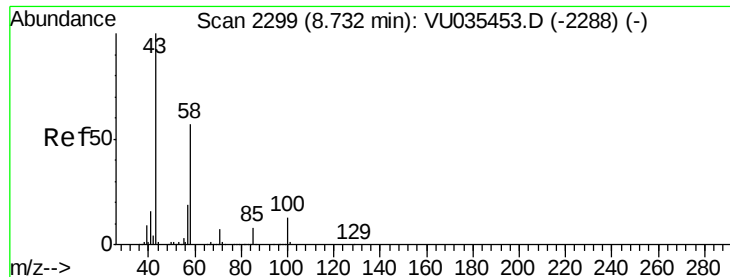
77 50.0 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035453.D (-1936) (-)

Ion 77.05 (76.75 to 77.75): VU035453.D (-1936) (-)

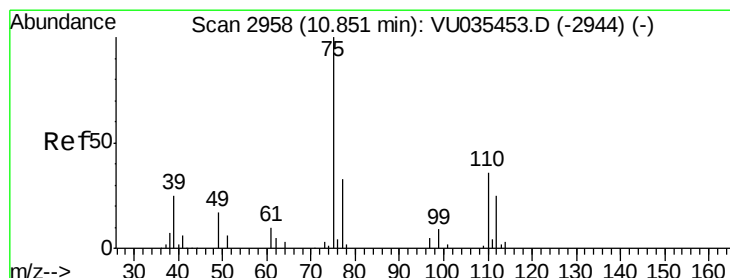
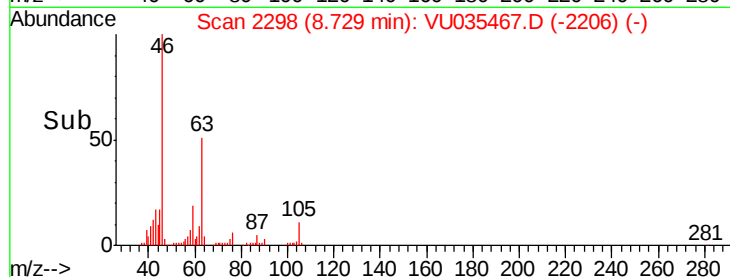
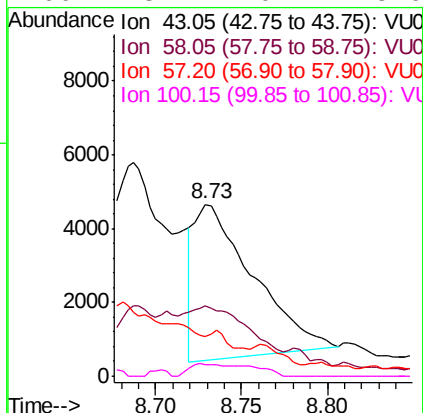
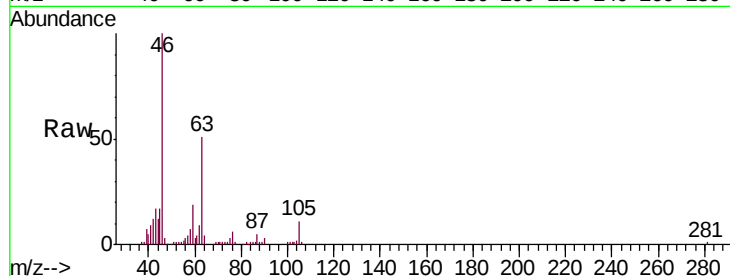




#48
 2-Hexanone
 Concen: 1.249 ug/L
 RT: 8.73 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VU035467.D
 Acq: 24 Oct 2019 18:33

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G53DL

Tgt Ion: 43 Resp: 9966
 Ion Ratio Lower Upper
 43 100
 58 0.0 45.1 67.7#
 57 5.4 16.0 24.0#
 100 8.7 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.756 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035467.D
 Acq: 24 Oct 2019 18:33

Tgt Ion: 75 Resp: 8881
 Ion Ratio Lower Upper
 75 100
 77 35.4 26.2 39.2

