

Data File : VU035471.D
Acq On : 24 Oct 2019 20:12
Operator : JC/SP
Sample : K5488-15DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FZ0DL

Quant Time: Oct 25 07:09:39 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	212015	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	220144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	62333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	46058	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.93	69	51626	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	2.59	63	65869	2.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.20%#
20) 2-Butanone-d5	4.70	46	229584	61.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.60%
24) Chloroform-d	5.11	84	114088	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.75	65	69421	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	5.77	84	201955	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.20%
36) 1,2-Dichloropropane-d6	6.73	67	78787	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.93	98	153284	3.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.60%#
43) trans-1,3-Dichloropropene-	8.21	79	25418	3.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.60%
46) 2-Hexanone-d5	8.68	63	140679	41.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.24%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	73490	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	48374	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

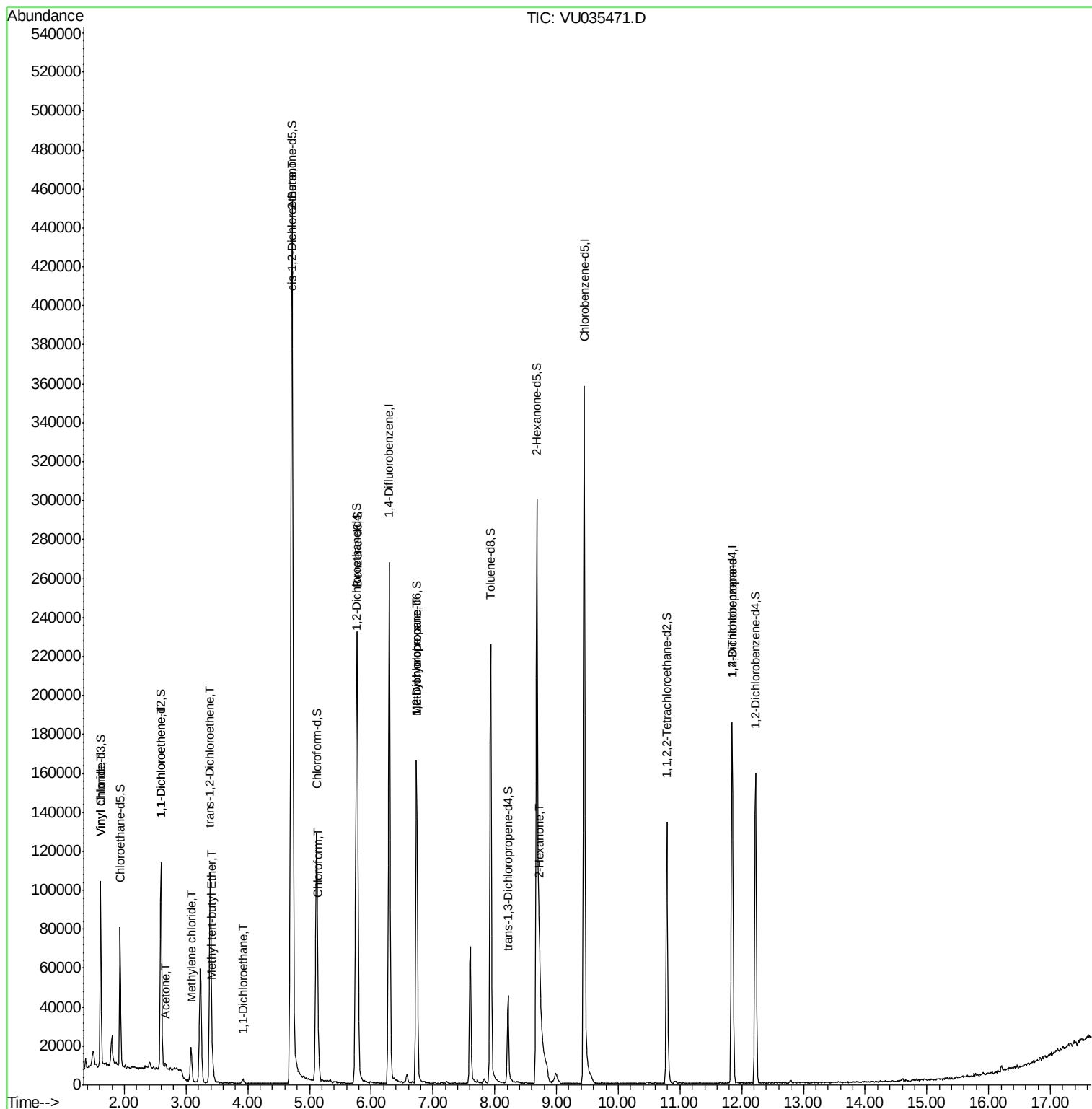
						Qvalue
5) Vinyl chloride	1.62	62	20687	1.125	ug/L #	80
12) 1,1-Dichloroethene	2.60	96	962	0.071	ug/L #	1
13) Acetone	2.67	43	2785	1.078	ug/L	94
16) Methylene chloride	3.08	84	8182	0.499	ug/L	90
17) Methyl tert-butyl Ether	3.43	73	12225	0.333	ug/L #	88
18) trans-1,2-Dichloroethene	3.39	96	44552	3.031	ug/L	94
19) 1,1-Dichloroethane	3.93	63	2633	0.099	ug/L #	83
22) cis-1,2-Dichloroethene	4.72	96	175352	10.793	ug/L	93
25) Chloroform	5.14	83	11108	0.381	ug/L	95
35) Methylcyclohexane	6.73	83	17320	0.595	ug/L #	18
37) 1,2-Dichloropropane	6.73	63	8730	0.531	ug/L #	86
48) 2-Hexanone	8.73	43	12567	1.614	ug/L #	77
59) 1,2,3-Trichloropropane	11.84	75	7933	0.692	ug/L #	86

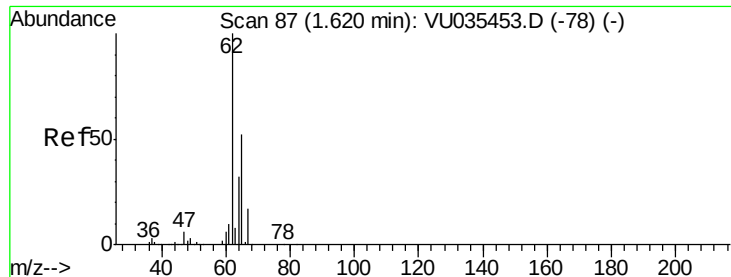
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.125 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

Instrument :

MSVOA_U

ClientSampleId :

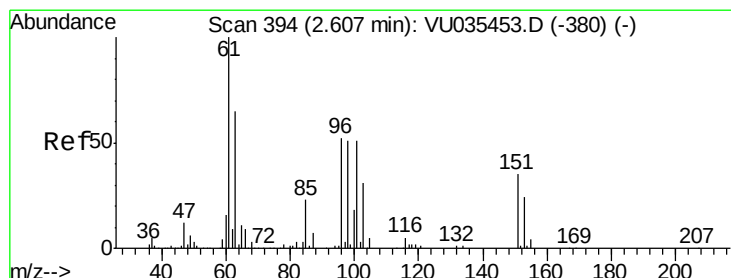
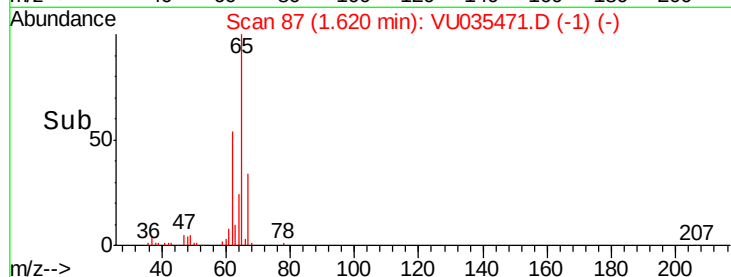
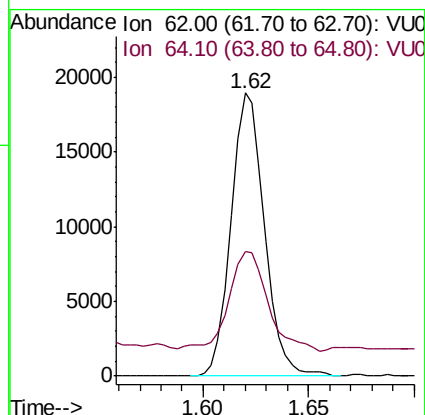
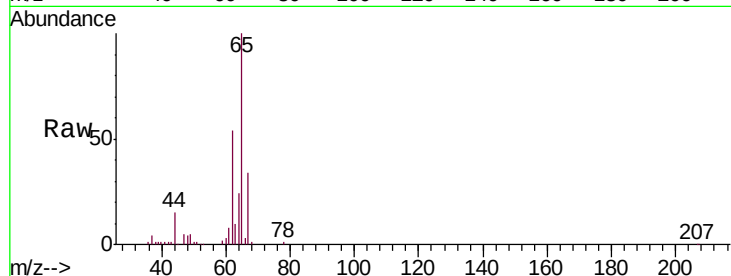
H0FZ0DL

Tgt Ion: 62 Resp: 20687

Ion Ratio Lower Upper

62 100

64 44.0 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

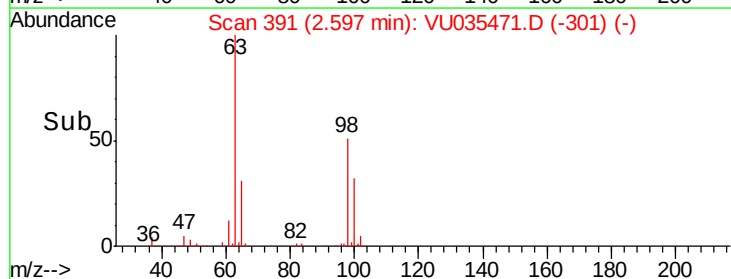
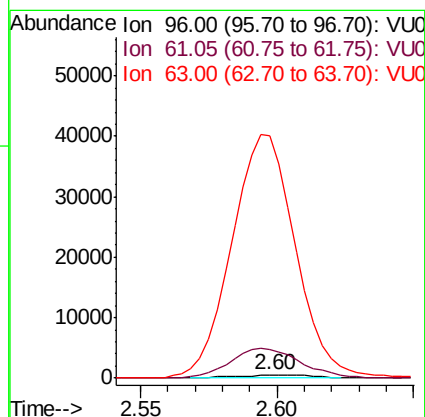
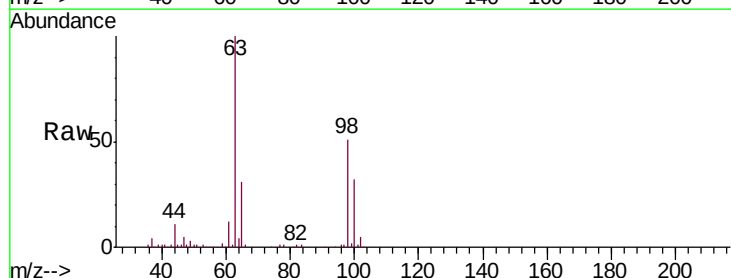
Tgt Ion: 96 Resp: 962

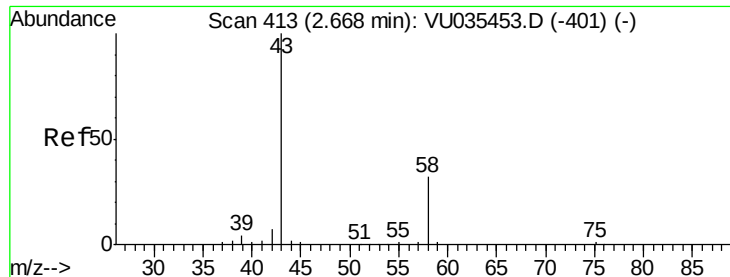
Ion Ratio Lower Upper

96 100

61 846.7 120.6 224.0#

63 7207.2 86.8 161.2#





#13

Acetone

Concen: 1.078 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

Instrument :

MSVOA_U

ClientSampleId :

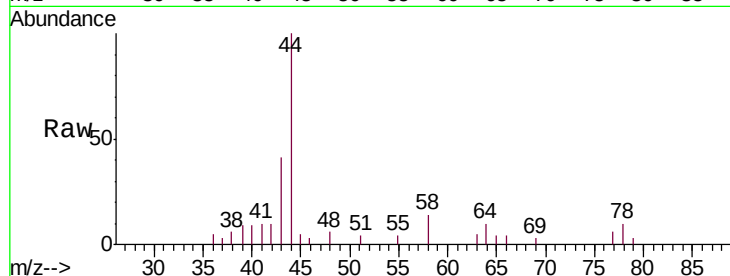
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Tgt Ion: 43 Resp: 2785

Ion Ratio Lower Upper

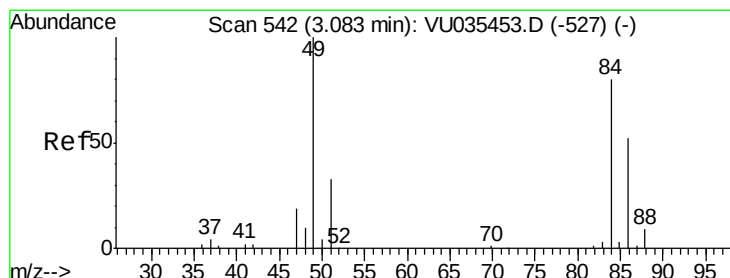
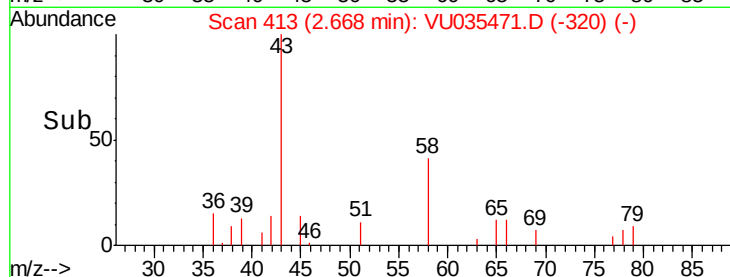
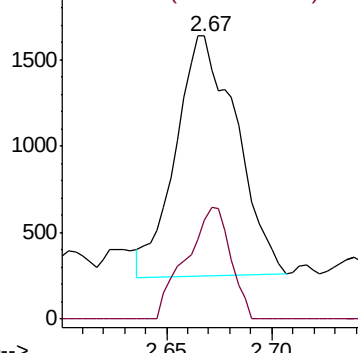
43 100

58 34.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#16

Methylene chloride

Concen: 0.499 ug/L

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

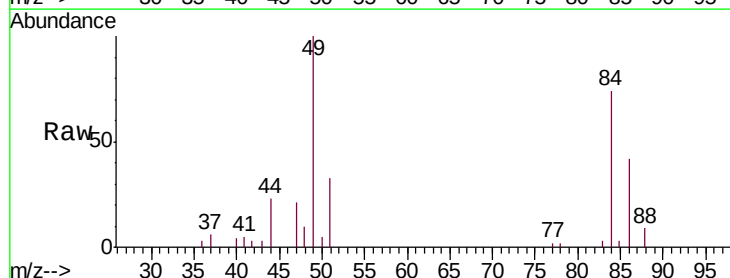
Tgt Ion: 84 Resp: 8182

Ion Ratio Lower Upper

84 100

86 56.1 45.4 84.2

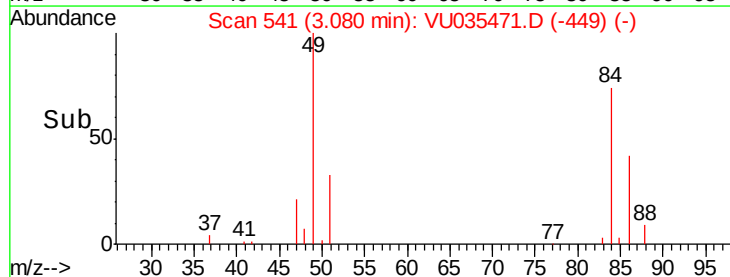
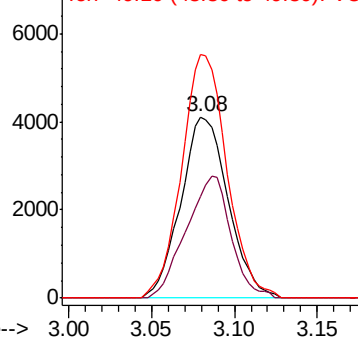
49 134.6 86.8 161.2

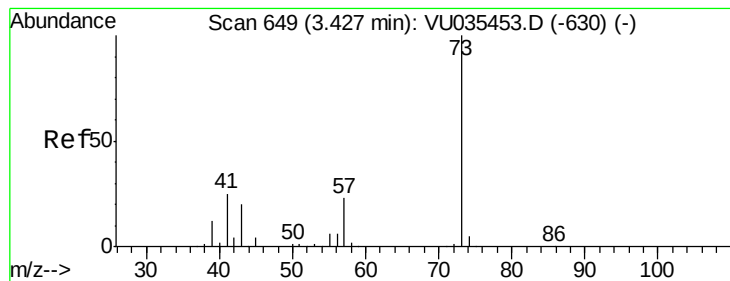


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.333 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

Instrument :

MSVOA_U

ClientSampleId :

H0FZ0DL

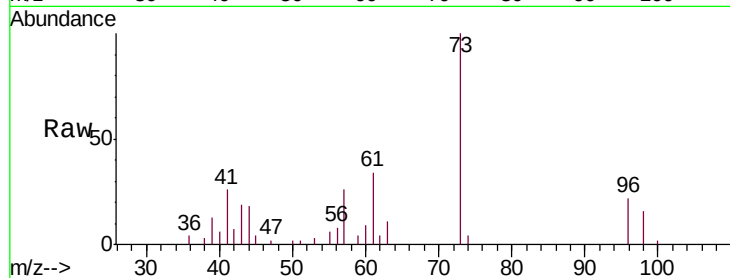
Tgt Ion: 73 Resp: 12225

Ion Ratio Lower Upper

73 100

43 12.0 16.0 24.0#

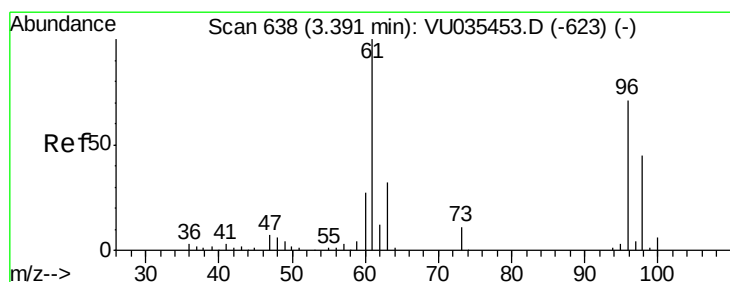
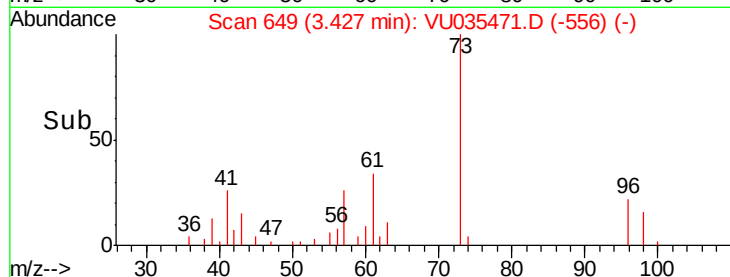
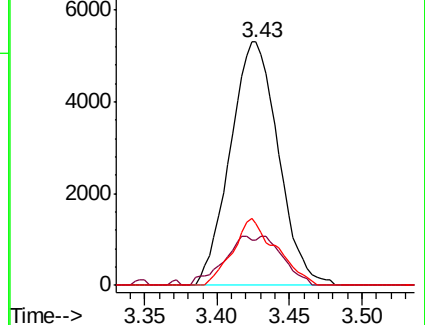
57 24.9 17.4 26.2



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



#18

trans-1,2-Dichloroethene

Concen: 3.031 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

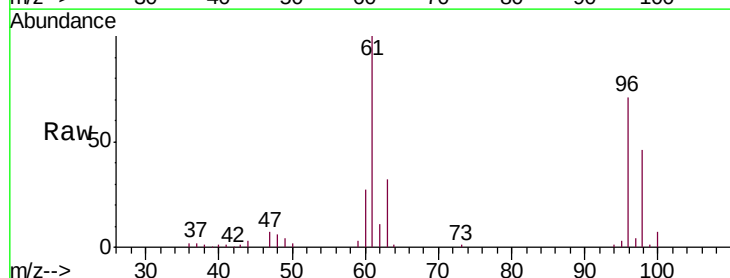
Tgt Ion: 96 Resp: 44552

Ion Ratio Lower Upper

96 100

61 141.7 93.0 172.6

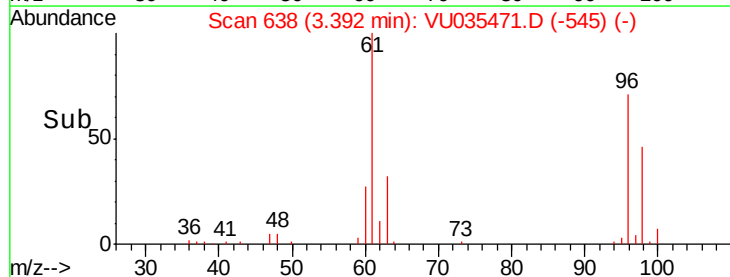
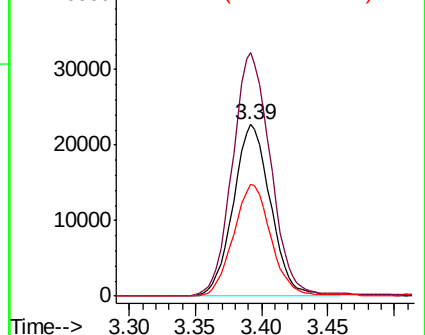
98 65.1 43.7 81.1

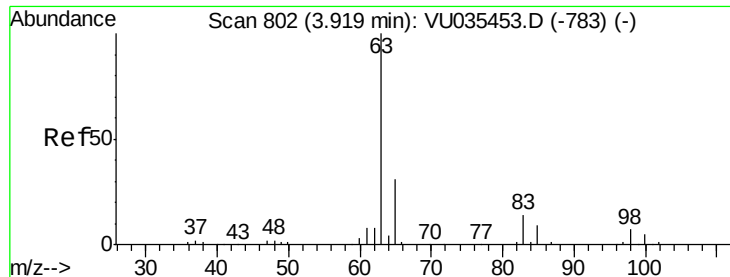


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

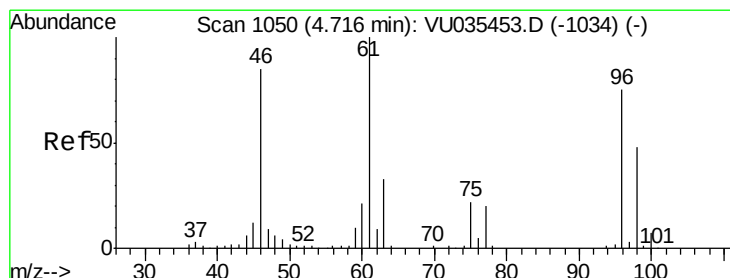
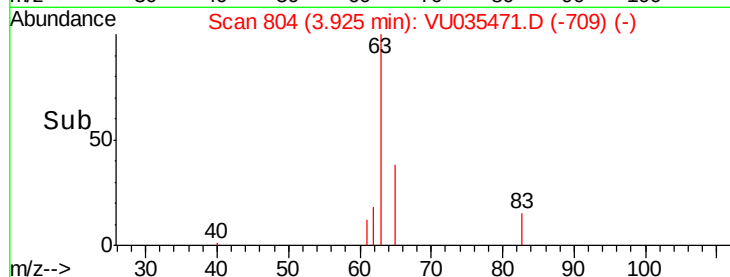
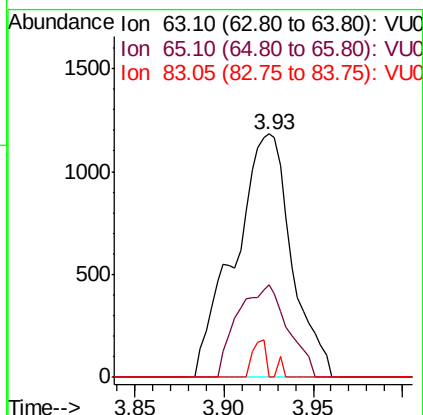
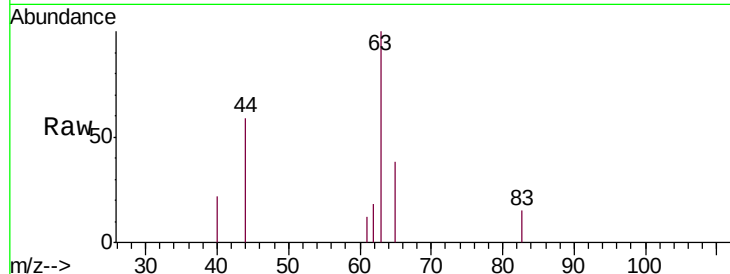




#19
 1,1-Dichloroethane
 Concen: 0.099 ug/L
 RT: 3.93 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: VU035471.D
 Acq: 24 Oct 2019 20:12

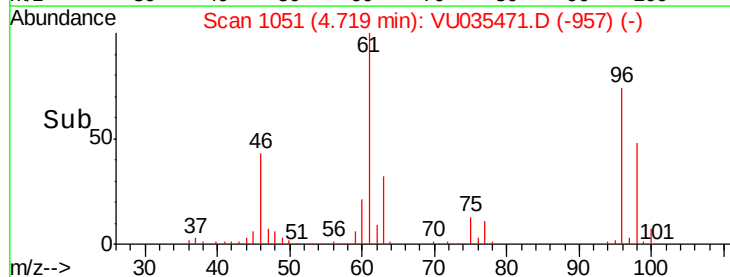
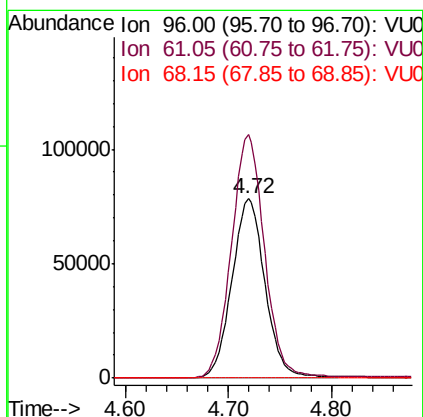
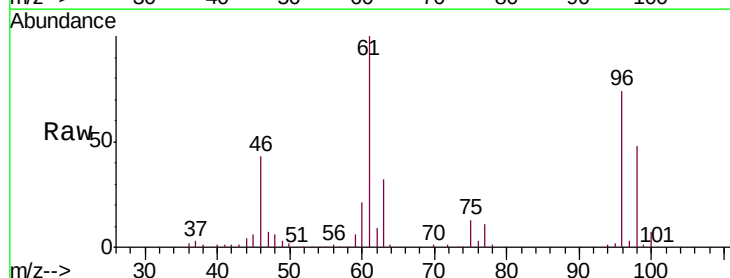
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FZ0DL

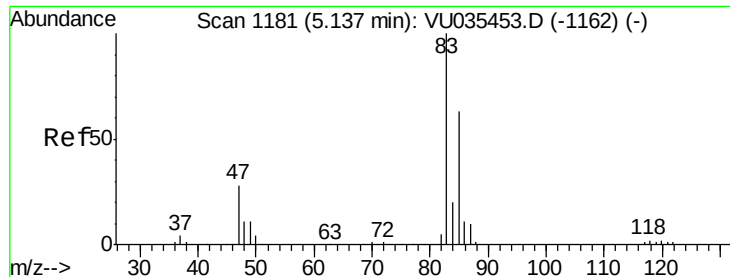
Tgt Ion: 63 Resp: 2633
 Ion Ratio Lower Upper
 63 100
 65 37.9 22.4 41.6
 83 0.0 9.3 17.3#



#22
 cis-1,2-Dichloroethene
 Concen: 10.793 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035471.D
 Acq: 24 Oct 2019 20:12

Tgt Ion: 96 Resp: 175352
 Ion Ratio Lower Upper
 96 100
 61 135.9 89.7 166.5
 68 0.0 0.0 0.0

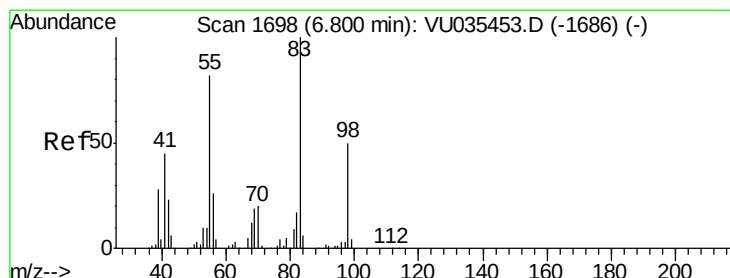
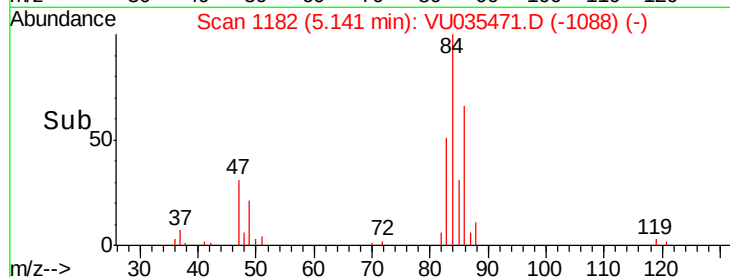
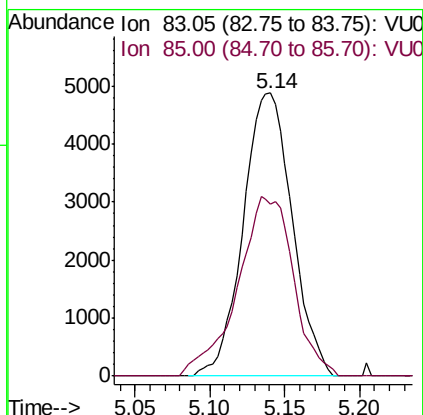
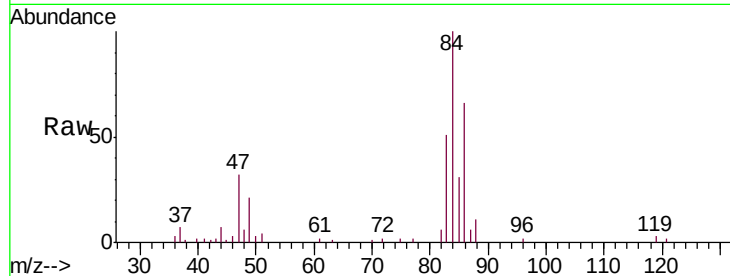




#25
Chloroform
Concen: 0.381 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035471.D
Acq: 24 Oct 2019 20:12

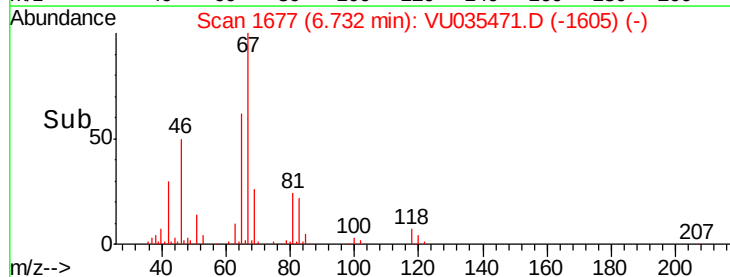
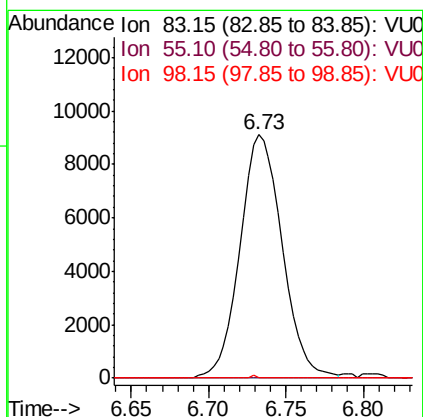
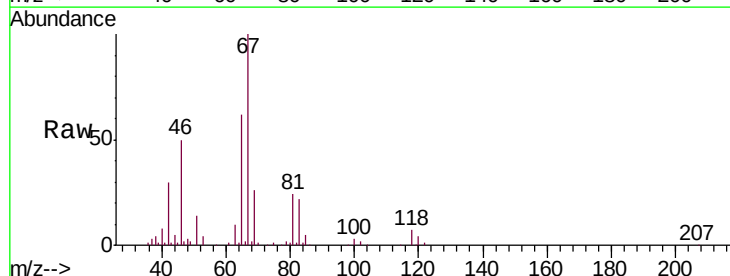
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MSVOA_U
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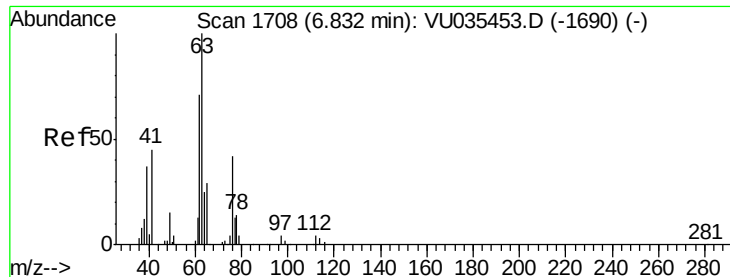
Tgt Ion: 83 Resp: 11108
Ion Ratio Lower Upper
83 100
85 60.9 45.1 83.9



#35
Methylcyclohexane
Concen: 0.595 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU035471.D
Acq: 24 Oct 2019 20:12

Tgt Ion: 83 Resp: 17320
Ion Ratio Lower Upper
83 100
55 0.0 60.4 90.6#
98 0.1 39.5 59.3#

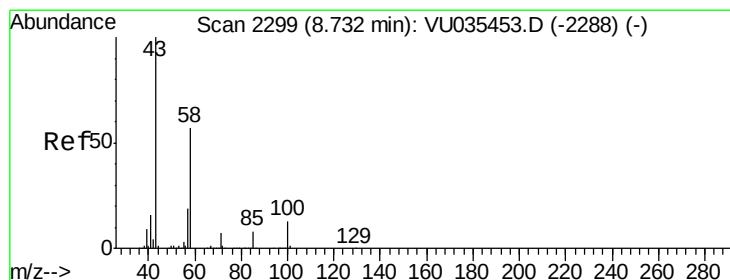
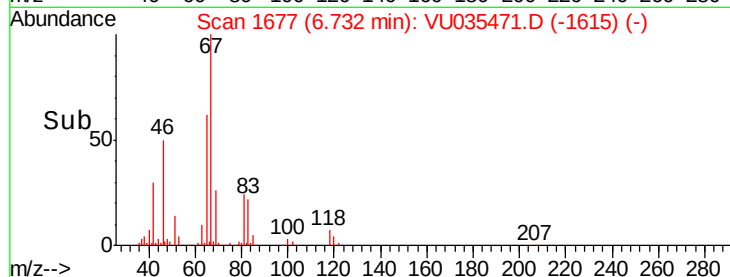
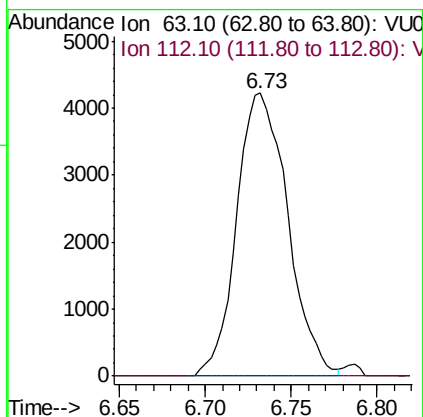
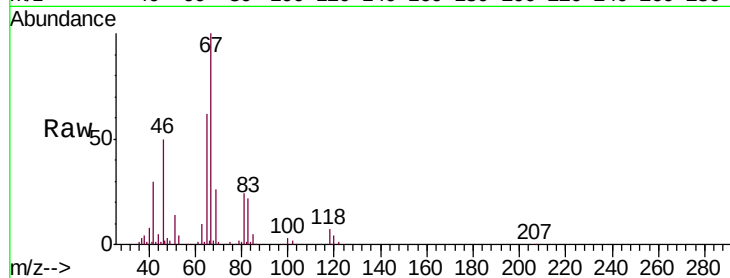




#37
 1,2-Dichloropropane
 Concen: 0.531 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035471.D
 Acq: 24 Oct 2019 20:12

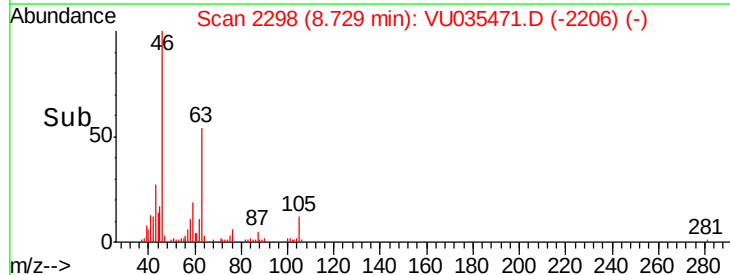
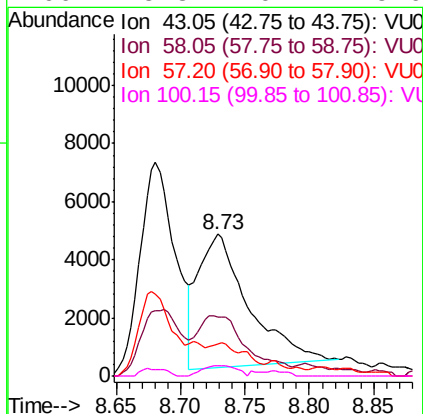
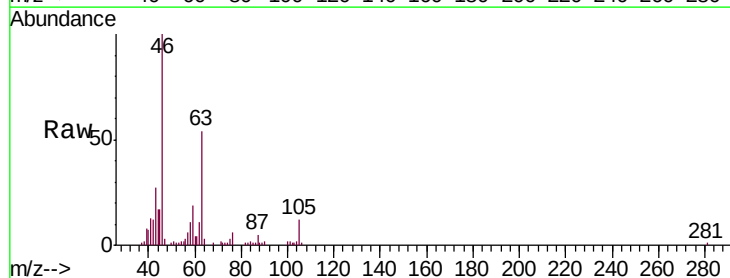
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FZ0DL

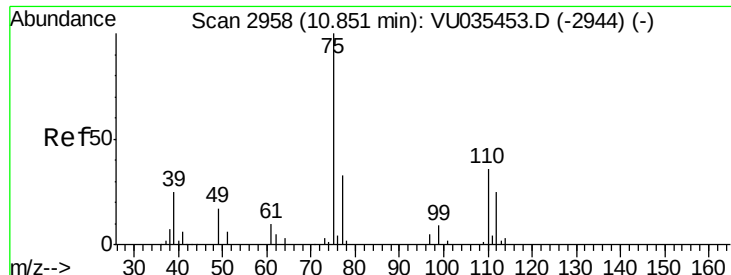
Tgt Ion: 63 Resp: 8730
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#48
 2-Hexanone
 Concen: 1.614 ug/L
 RT: 8.73 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VU035471.D
 Acq: 24 Oct 2019 20:12

Tgt Ion: 43 Resp: 12567
 Ion Ratio Lower Upper
 43 100
 58 40.1 45.1 67.7#
 57 8.2 16.0 24.0#
 100 5.3 10.4 15.6#





#59

1,2,3-Trichloropropane

Concen: 0.692 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035471.D

Acq: 24 Oct 2019 20:12

Instrument :

MSVOA_U

ClientSampleId :

H0FZ0DL

Tgt Ion: 75 Resp: 7933

Ion Ratio Lower Upper

75 100

77 40.6 26.2 39.2#

