

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035433.D
 Acq On : 24 Oct 2019 03:30
 Operator : JC/SP
 Sample : K5488-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FZ1

Quant Time: Oct 24 09:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 07:51:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	214216	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	212824	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	74773	5.00	ug/L	0.00

System Monitoring Compounds

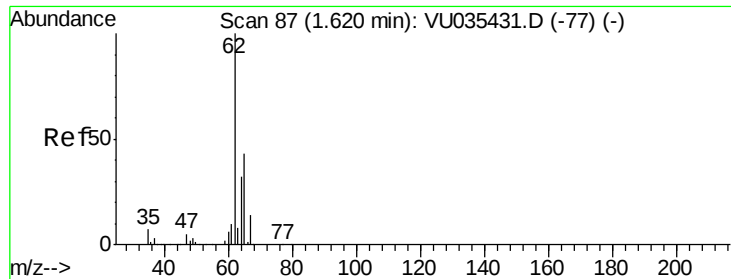
4) Vinyl Chloride-d3	1.61	65	54617	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.93	69	56301	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.59	63	79303	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.71	46	247141	65.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.68%#
24) Chloroform-d	5.11	84	127309	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.75	65	75483	5.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.20%
32) Benzene-d6	5.77	84	231955	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.74	67	86591	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.93	98	190706	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.00%
43) trans-1,3-Dichloropropene-	8.22	79	29400	3.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.40%
46) 2-Hexanone-d5	8.69	63	159895	48.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.68%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	81069	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	66935	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.62	62	36293	1.954	ug/L 99
17) Methyl tert-butyl Ether	3.43	73	102292	2.762	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	52901	3.562	ug/L 89
19) 1,1-Dichloroethane	3.92	63	16787	0.625	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	658267	40.099	ug/L 96
34) Trichloroethene	6.58	95	365283	21.698	ug/L 96

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

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Acq On    : 24 Oct 2019   03:30  
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Sample    : K5488-16  
Misc      : 25.0mL/MSVOA U/WATER  
ALS Vial  : 42      Sample Multiplier: 1
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#5

Vinyl chloride

Concen: 1.954 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

Instrument :

MSVOA_U

ClientSampleId :

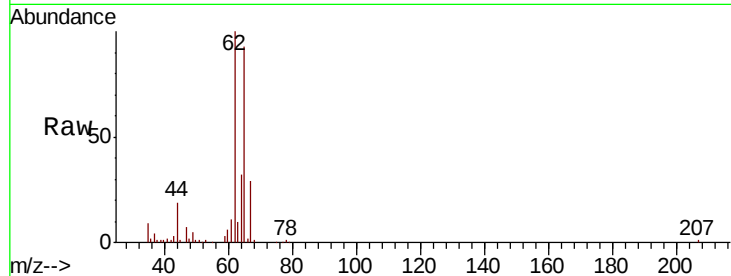
H0FZ1

Tot Ion: 62 Resp: 36293

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035433.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035433.D (-1) (-)

1.62

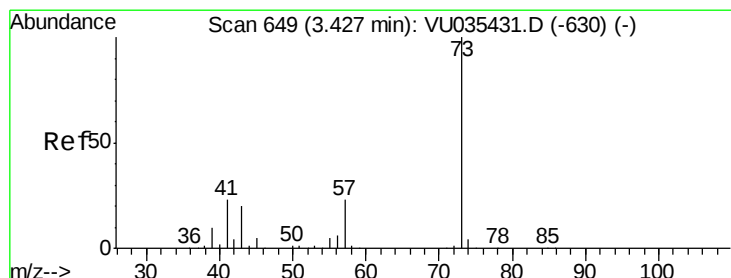
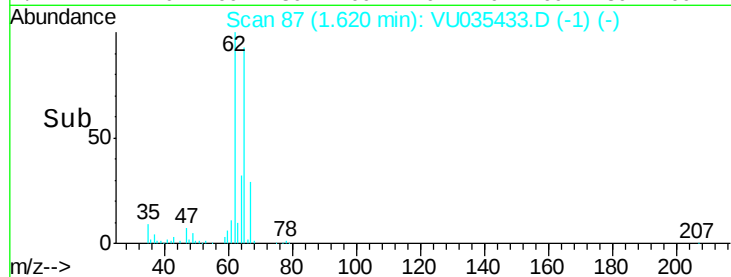
30000

20000

10000

0

Time--> 1.55 1.60 1.65 1.70



#17

Methyl tert-butyl Ether

Concen: 2.762 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

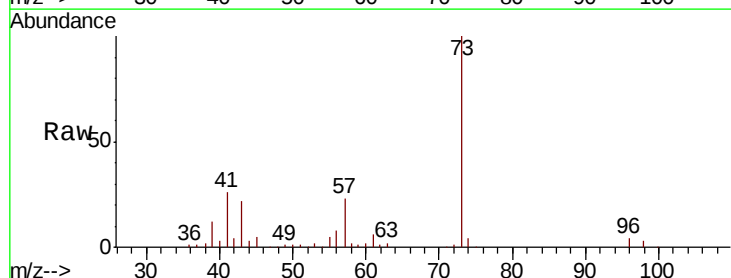
Tgt Ion: 73 Resp: 102292

Ion Ratio Lower Upper

73 100

43 21.9 16.0 24.0

57 22.9 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035433.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035433.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035433.D (-556) (-)

3.43

60000

50000

40000

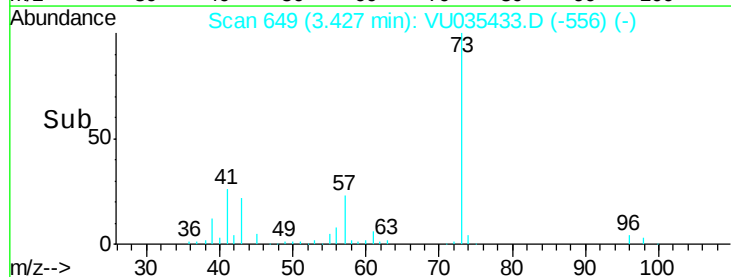
30000

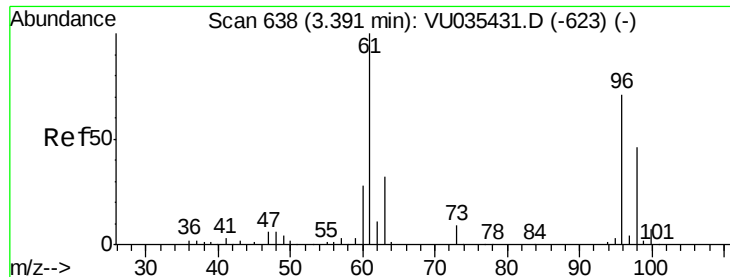
20000

10000

0

Time--> 3.40 3.50





#18

trans-1,2-Dichloroethene

Concen: 3.562 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1

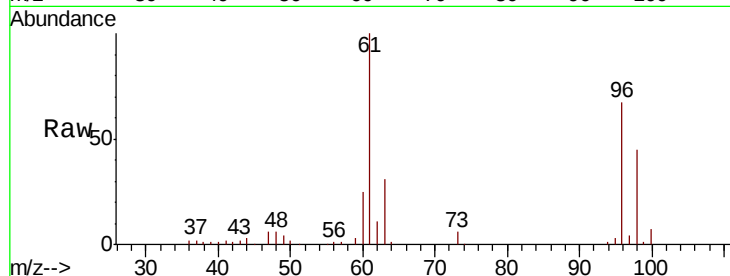
Tot Ion: 96 Resp: 52901

Ion Ratio Lower Upper

96 100

61 148.6 93.0 172.6

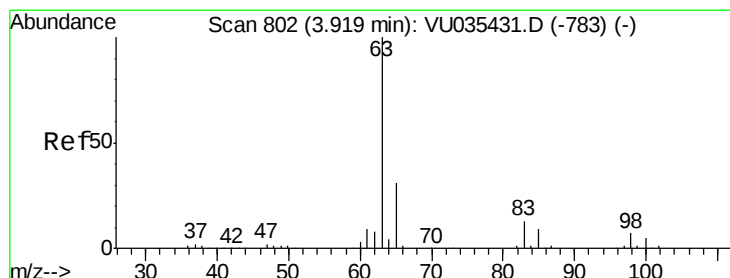
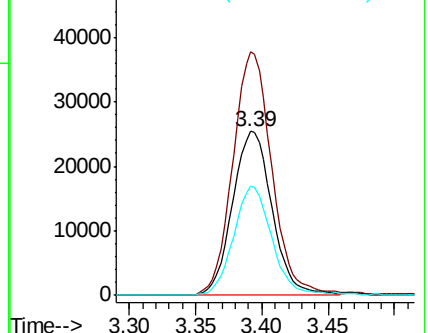
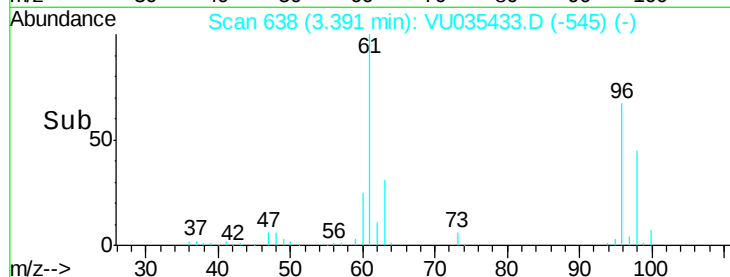
98 66.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035433.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035433.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035433.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 0.625 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

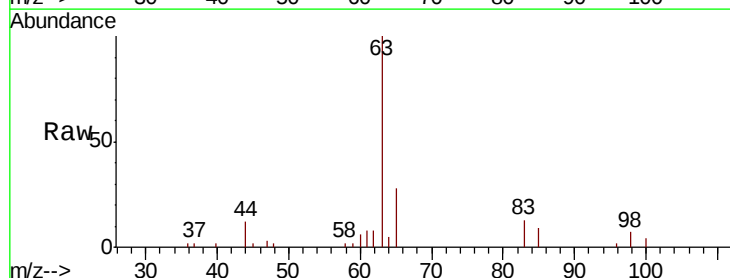
Tgt Ion: 63 Resp: 16787

Ion Ratio Lower Upper

63 100

65 28.1 22.4 41.6

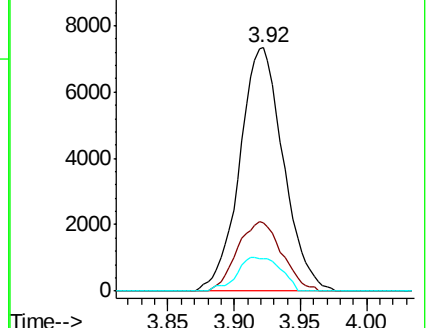
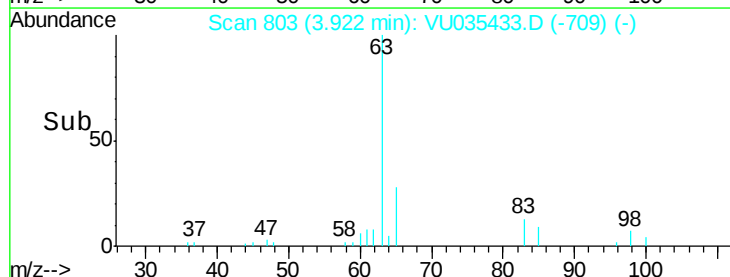
83 13.3 9.3 17.3

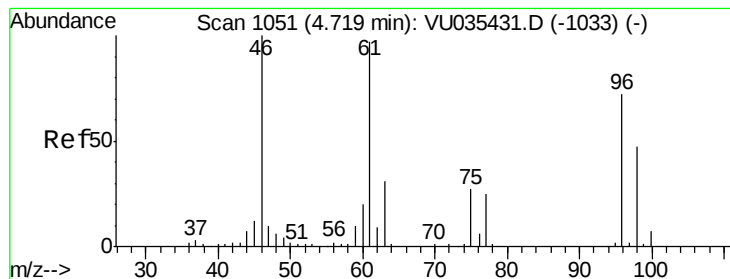


Abundance Ion 63.10 (62.80 to 63.80): VU035433.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035433.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035433.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 40.099 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1

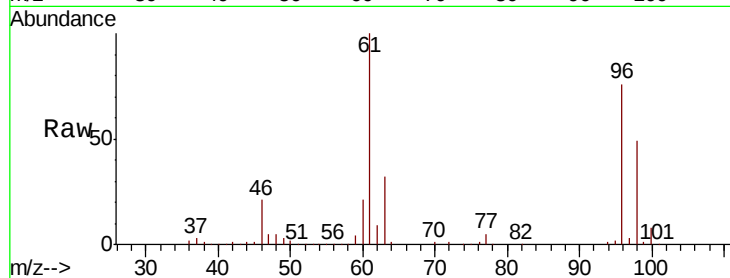
Tot Ion: 96 Resp: 658267

Ion Ratio Lower Upper

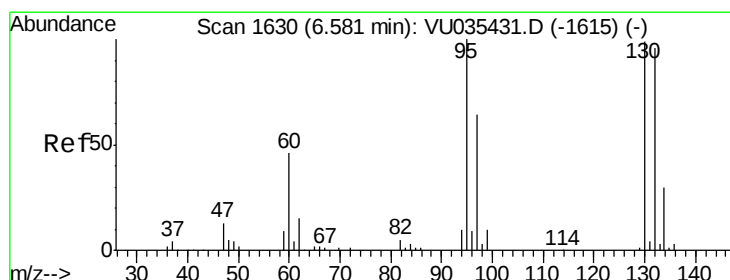
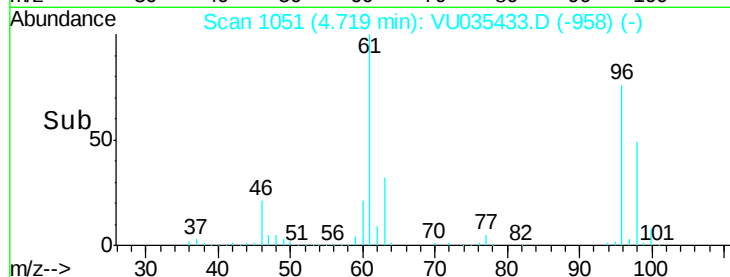
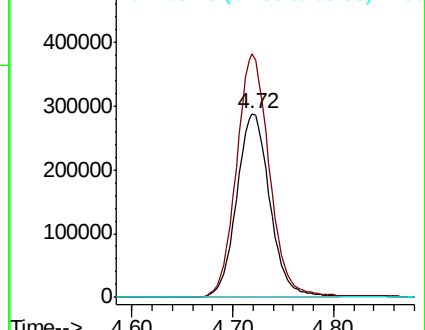
96 100

61 132.3 89.7 166.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 21.698 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

Tgt Ion: 95 Resp: 365283

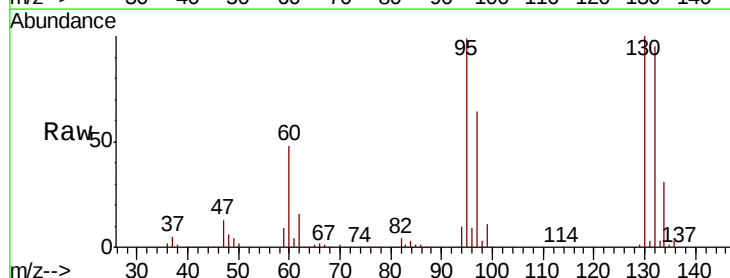
Ion Ratio Lower Upper

95 100

97 64.0 46.6 86.6

132 95.3 68.7 127.7

130 100.5 73.9 137.3



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

