

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 07:53:43 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

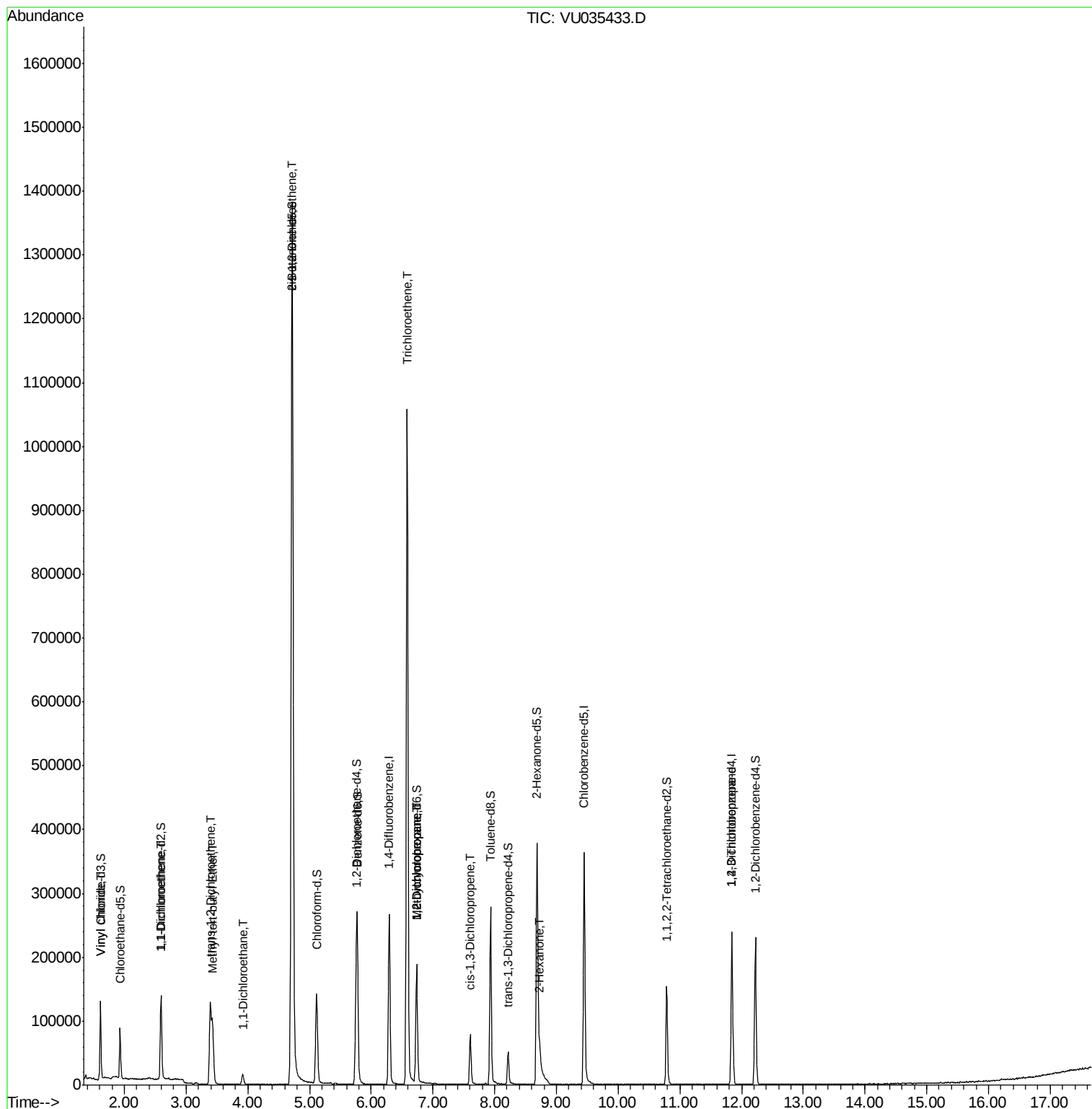
					Qvalue
5) Vinyl chloride	1.62	62	36293	1.954	ug/L 99
12) 1,1-Dichloroethene	2.61	96	3544	0.258	ug/L # 1
17) Methyl tert-butyl Ether	3.43	73	102292	2.762	ug/L 97
18) trans-1,2-Dichloroethene	3.39	96	52901	3.562	ug/L 89
19) 1,1-Dichloroethane	3.92	63	16787	0.625	ug/L 95
22) cis-1,2-Dichloroethene	4.72	96	658267	40.099	ug/L 96
34) Trichloroethene	6.58	95	365283	21.698	ug/L 96
35) Methylcyclohexane	6.74	83	20191	0.718	ug/L # 18
37) 1,2-Dichloropropane	6.74	63	9141	0.575	ug/L # 86
39) cis-1,3-Dichloropropene	7.60	75	1903	0.072	ug/L # 52
48) 2-Hexanone	8.73	43	13330	1.771	ug/L # 94
59) 1,2,3-Trichloropropane	11.84	75	9762	0.881	ug/L 96

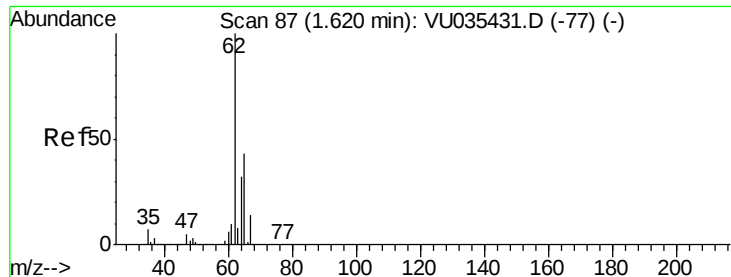
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

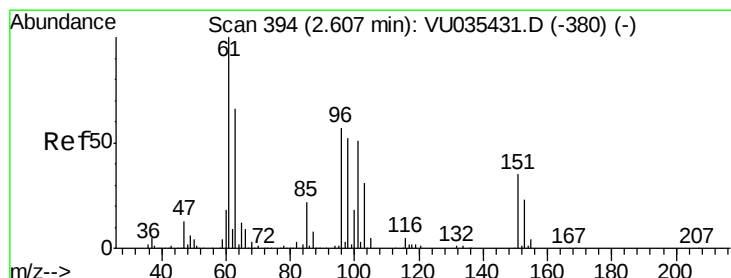
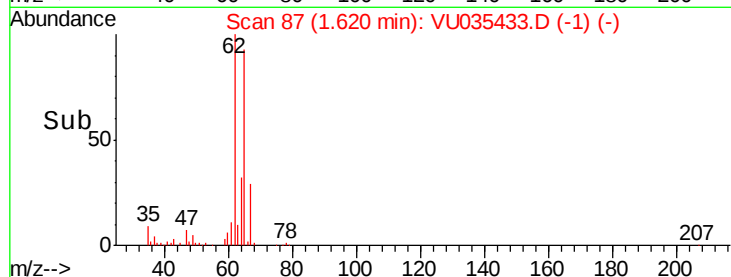
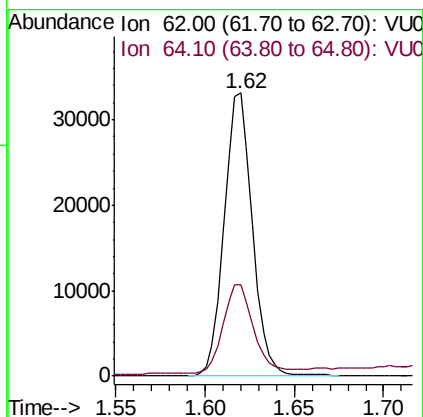
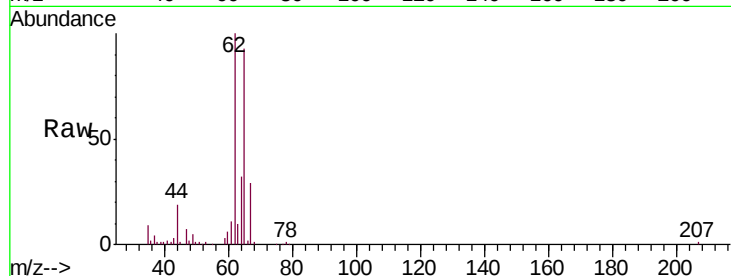
H0FZ1

Tgt Ion: 62 Resp: 36293

Ion Ratio Lower Upper

62 100

64 32.3 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.258 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

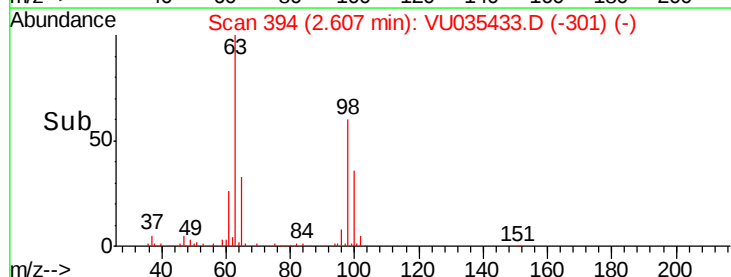
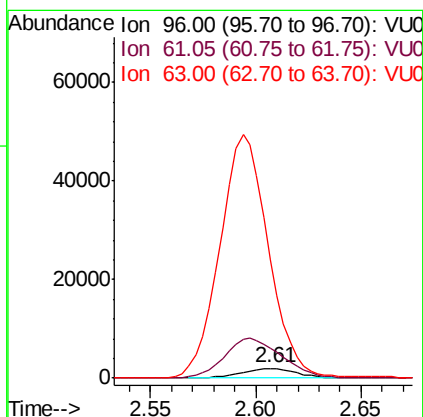
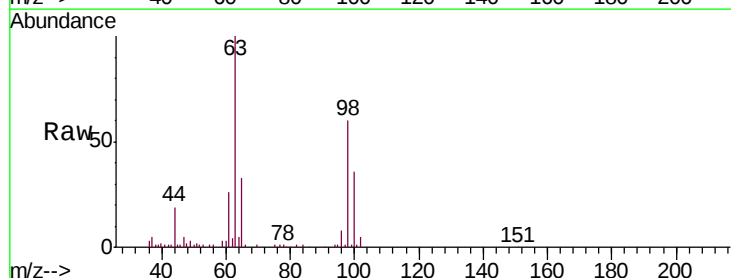
Tgt Ion: 96 Resp: 3544

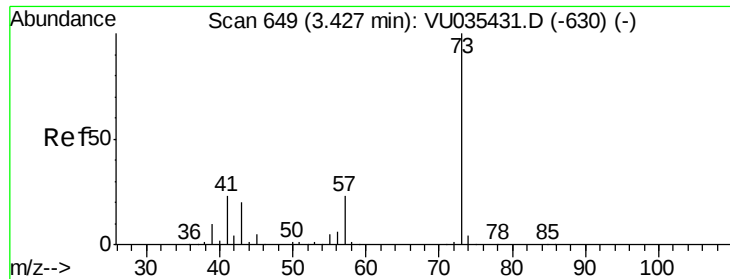
Ion Ratio Lower Upper

96 100

61 305.3 120.6 224.0#

63 1182.6 86.8 161.2#





#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

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1

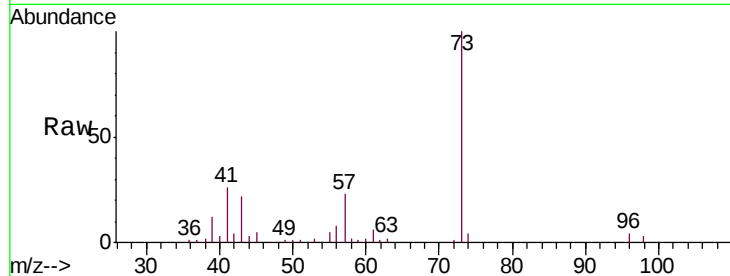
Tgt Ion: 73 Resp: 102292

Ion Ratio Lower Upper

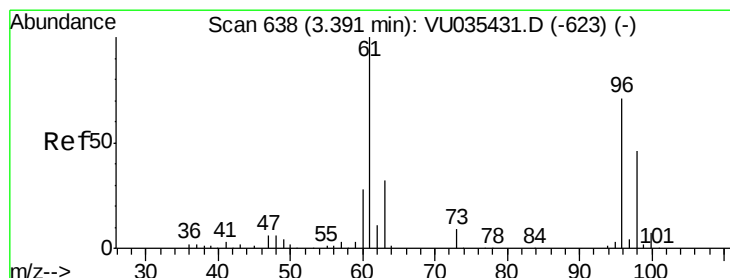
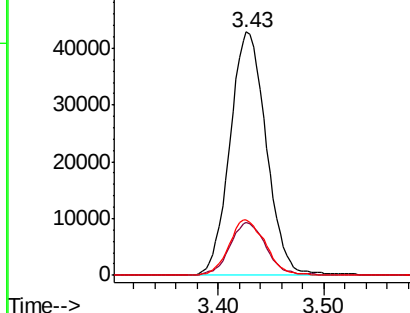
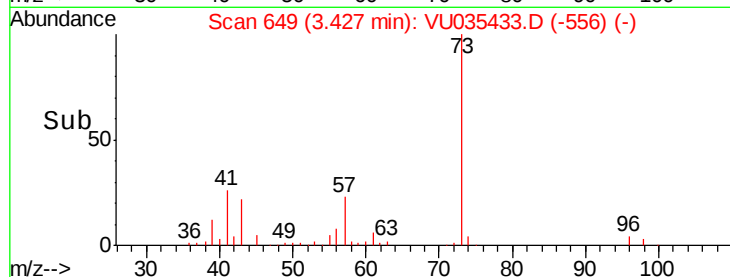
73 100

43 21.9 16.0 24.0

57 22.9 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): 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: 3.562 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

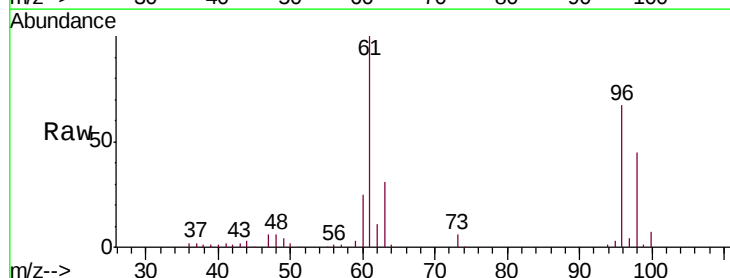
Tgt Ion: 96 Resp: 52901

Ion Ratio Lower Upper

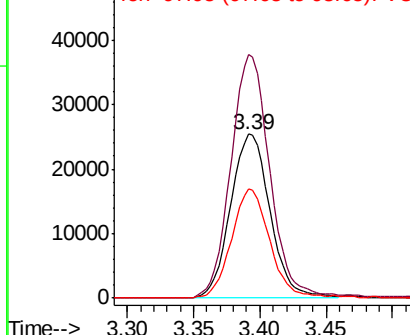
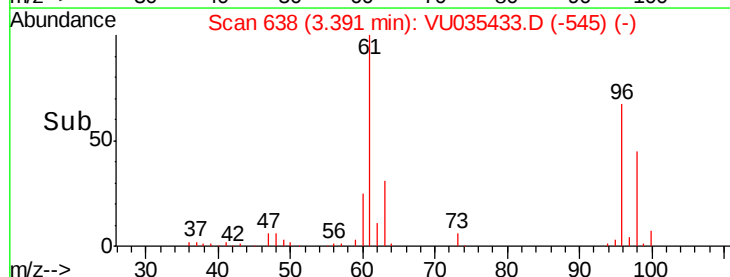
96 100

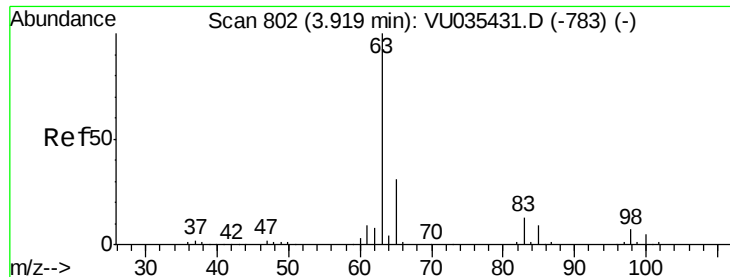
61 148.6 93.0 172.6

98 66.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.625 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1

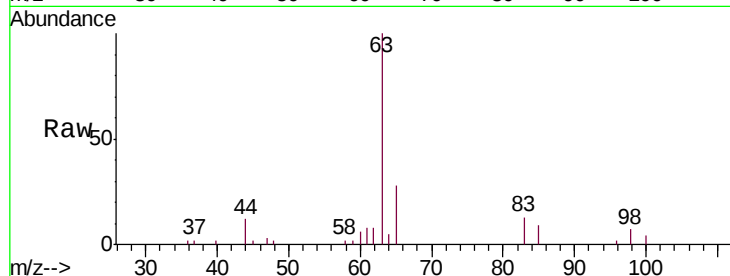
Tgt Ion: 63 Resp: 16787

Ion Ratio Lower Upper

63 100

65 28.1 22.4 41.6

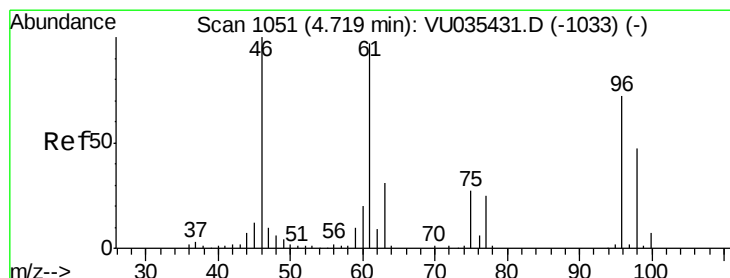
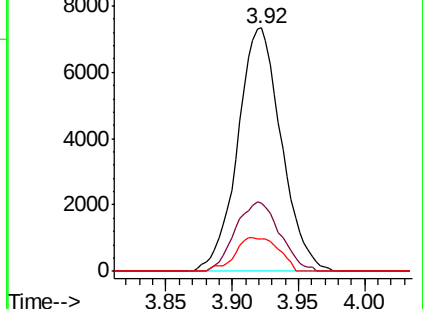
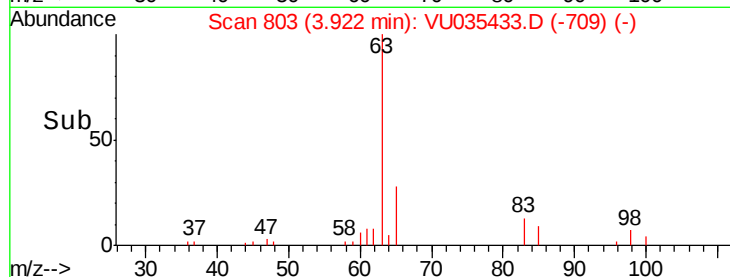
83 13.3 9.3 17.3



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

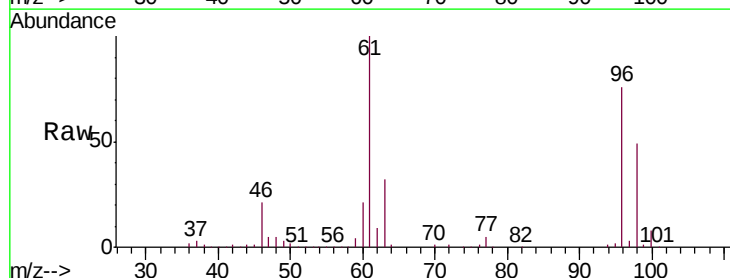
Tgt Ion: 96 Resp: 658267

Ion Ratio Lower Upper

96 100

61 132.3 89.7 166.5

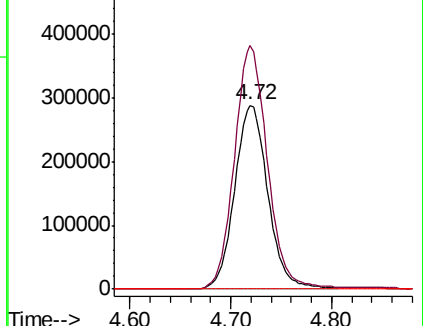
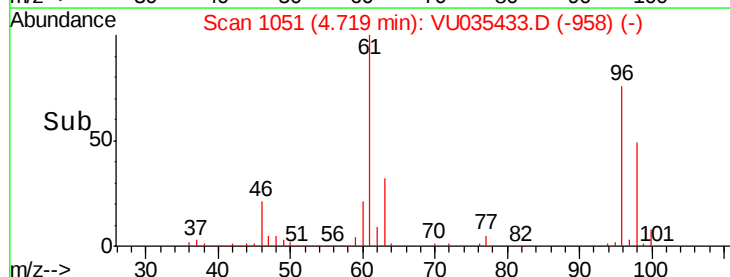
68 0.0 0.0 0.0

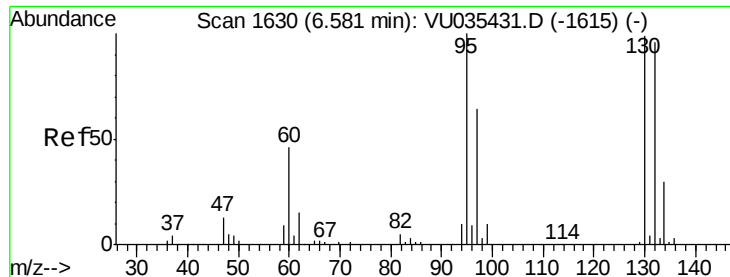


Abundance Ion 96.00 (95.70 to 96.70): VU035433.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035433.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035433.D (-958) (-)





#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

Instrument :

MSVOA_U

ClientSampleId :

H0FZ1

Tgt Ion: 95 Resp: 365283

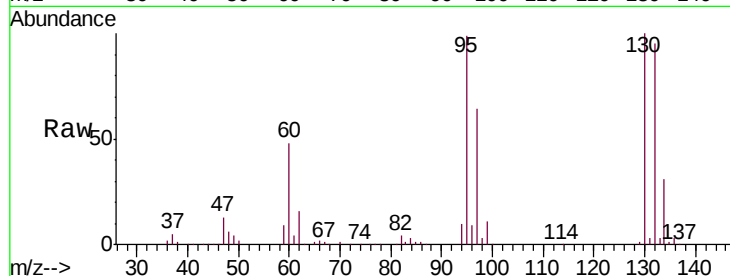
Ion Ratio Lower Upper

95 100

97 64.0 46.6 86.6

132 95.3 68.7 127.7

130 100.5 73.9 137.3

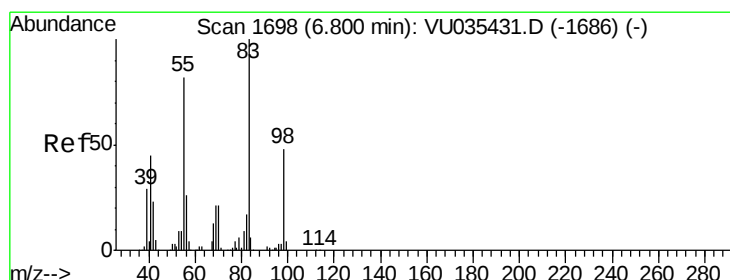
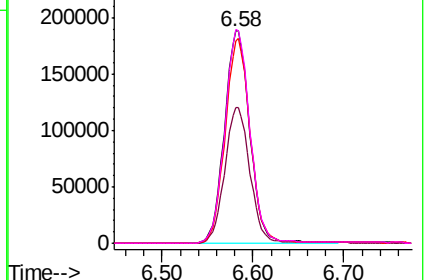
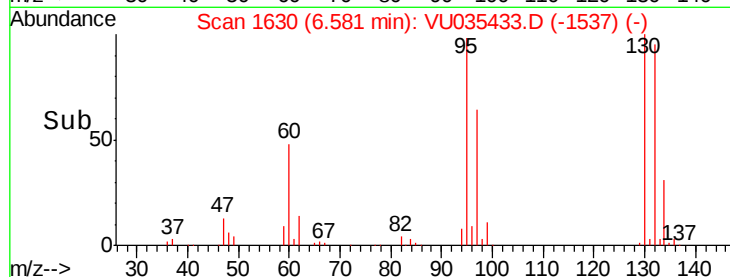


Abundance Ion 95.00 (94.70 to 95.70): VU035433.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035433.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035433.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035433.D (-1615) (-)



#35

Methylcyclohexane

Concen: 0.718 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

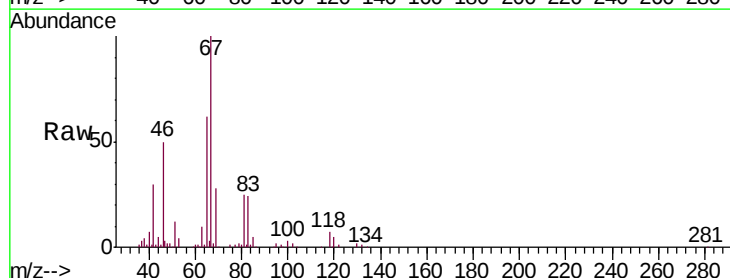
Tgt Ion: 83 Resp: 20191

Ion Ratio Lower Upper

83 100

55 0.3 60.4 90.6#

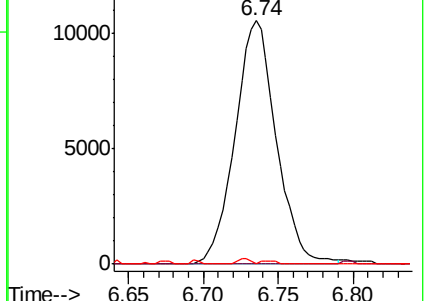
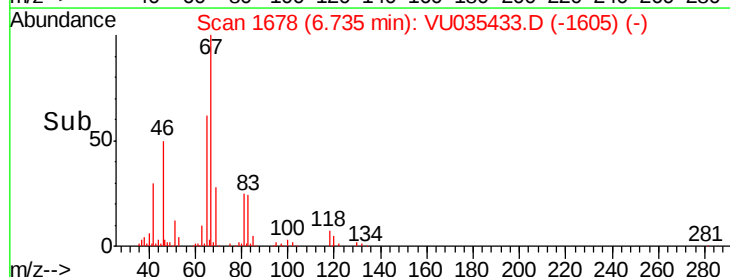
98 0.0 39.5 59.3#

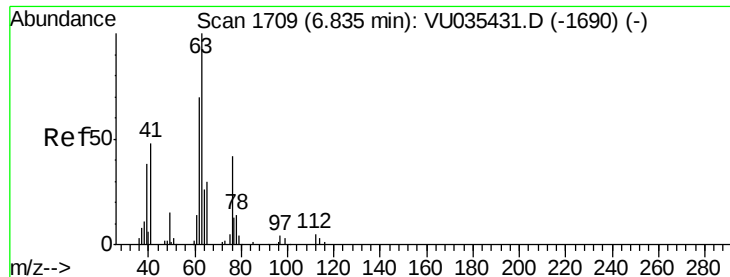


Abundance Ion 83.15 (82.85 to 83.85): VU035433.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035433.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035433.D (-1686) (-)





#37

1,2-Dichloropropane

Concen: 0.575 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035433.D

Acq: 24 Oct 2019 03:30

Instrument :

MSVOA_U

ClientSampleId :

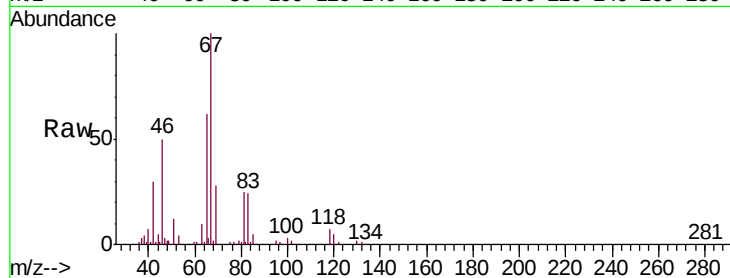
H0FZ1

Tgt Ion: 63 Resp: 9141

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU035433.D (-1678) (-)

Ion 112.10 (111.80 to 112.80): VU035433.D (-1678) (-)

6.74

5000

4000

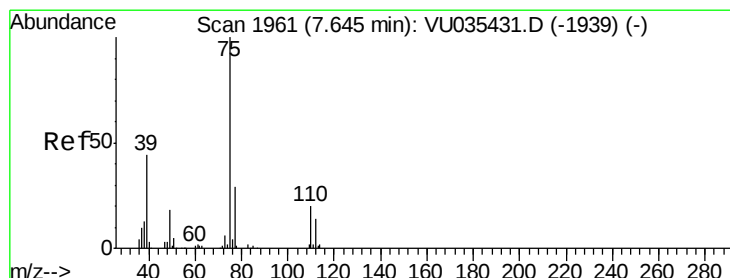
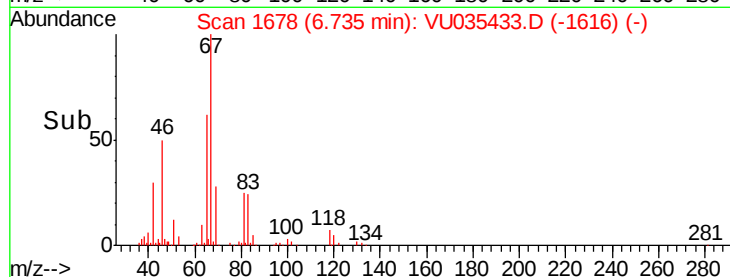
3000

2000

1000

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035433.D

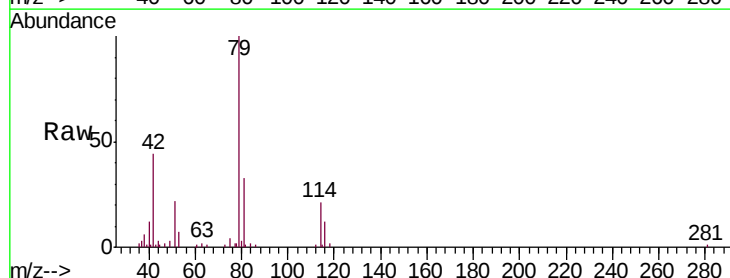
Acq: 24 Oct 2019 03:30

Tgt Ion: 75 Resp: 1903

Ion Ratio Lower Upper

75 100

77 59.1 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035433.D (-1948) (-)

Ion 77.05 (76.75 to 77.75): VU035433.D (-1948) (-)

7.60

1200

1000

800

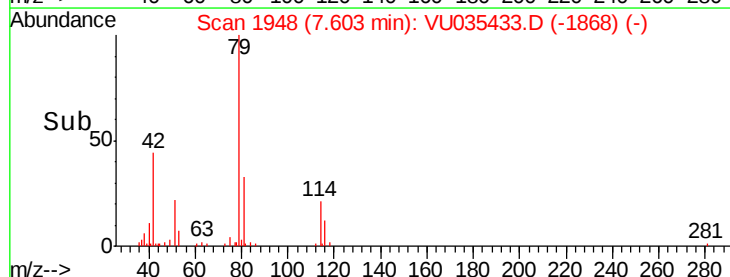
600

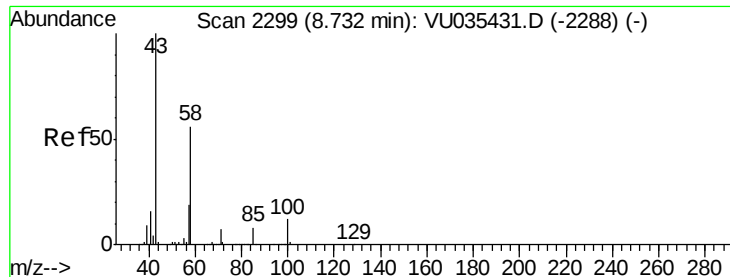
400

200

0

Time-->

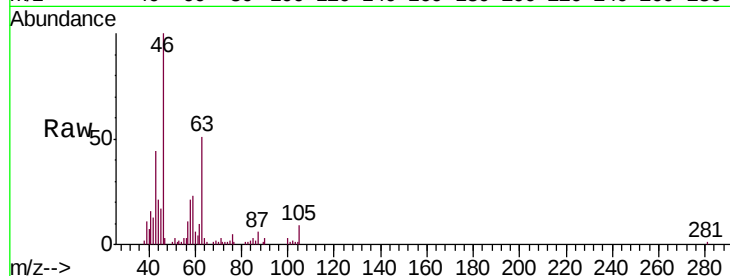




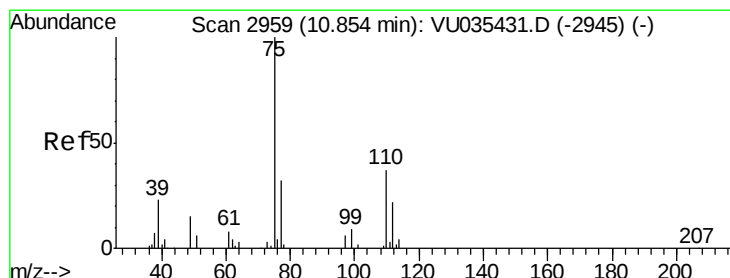
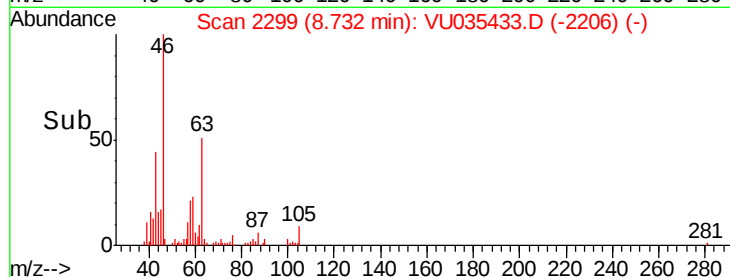
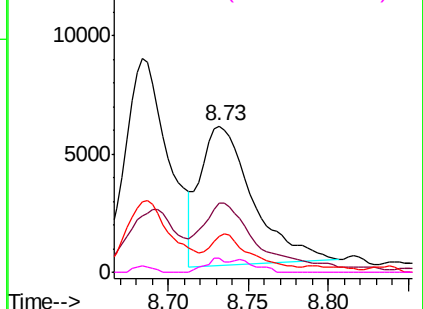
#48
 2-Hexanone
 Concen: 1.771 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VU035433.D
 Acq: 24 Oct 2019 03:30

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FZ1

Tgt Ion: 43 Resp: 13330
 Ion Ratio Lower Upper
 43 100
 58 54.7 45.1 67.7
 57 22.6 16.0 24.0
 100 4.4 10.4 15.6#

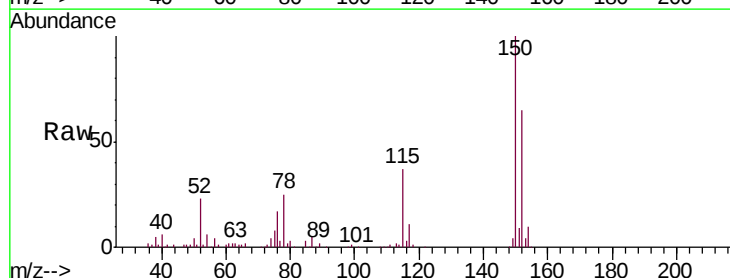


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 57.20 (56.90 to 57.90): VU0
 Ion 100.15 (99.85 to 100.85): VU0



#59
 1,2,3-Trichloropropane
 Concen: 0.881 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035433.D
 Acq: 24 Oct 2019 03:30

Tgt Ion: 75 Resp: 9762
 Ion Ratio Lower Upper
 75 100
 77 34.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

