

Data File : VU035430.D
Acq On : 24 Oct 2019 00:37
Operator : JC/SP
Sample : K5488-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FZ0

Quant Time: Oct 24 05:26:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	214730	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	216226	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	73745	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	51581	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.93	69	54875	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.59	63	74646	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	4.71	46	249138	66.21	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.42%#
24) Chloroform-d	5.11	84	114643	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.75	65	69418	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.77	84	219548	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.74	67	79582	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.93	98	172483	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.00%
43) trans-1,3-Dichloropropene-	8.22	79	27554	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
46) 2-Hexanone-d5	8.69	63	156468	46.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.12%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	75933	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	63873	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

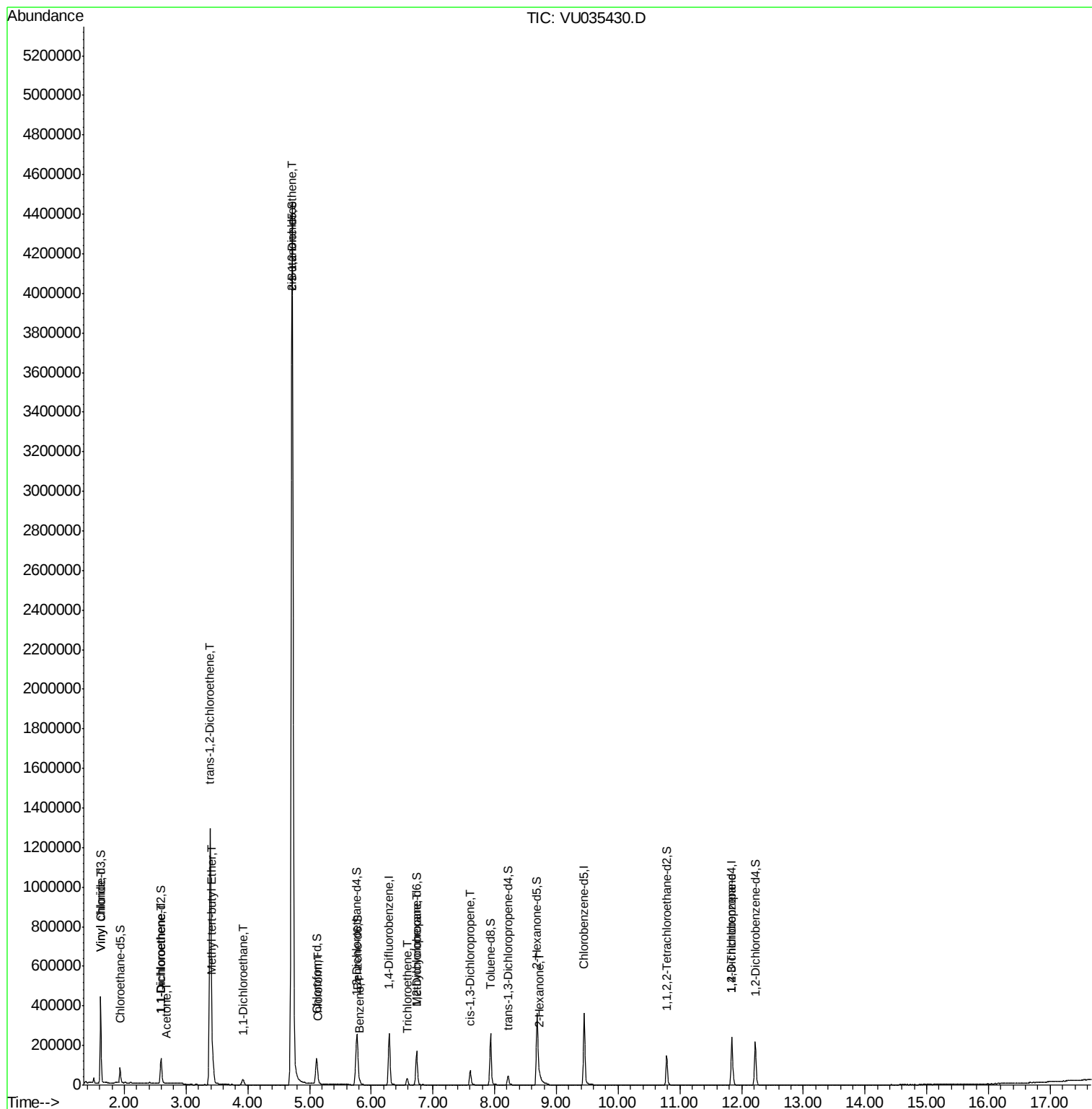
					Qvalue
5) Vinyl chloride	1.62	62	245876	13.206 ug/L	98
12) 1,1-Dichloroethene	2.61	96	5303	0.384 ug/L #	1
13) Acetone	2.69	43	2487	0.950 ug/L	88
17) Methyl tert-butyl Ether	3.43	73	150403	4.051 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	545933	36.670 ug/L	95
19) 1,1-Dichloroethane	3.92	63	30922	1.149 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	2253487	136.946 ug/L	97
25) Chloroform	5.14	83	8375	0.284 ug/L	96
33) Benzene	5.82	78	9383	0.147 ug/L	100
34) Trichloroethene	6.58	95	11425	0.668 ug/L	94
35) Methylcyclohexane	6.74	83	18742	0.656 ug/L #	18
39) cis-1,3-Dichloropropene	7.60	75	1897	0.070 ug/L #	44
48) 2-Hexanone	8.74	43	12610	1.649 ug/L #	94
59) 1,2,3-Trichloropropane	11.84	75	9228	0.820 ug/L #	88

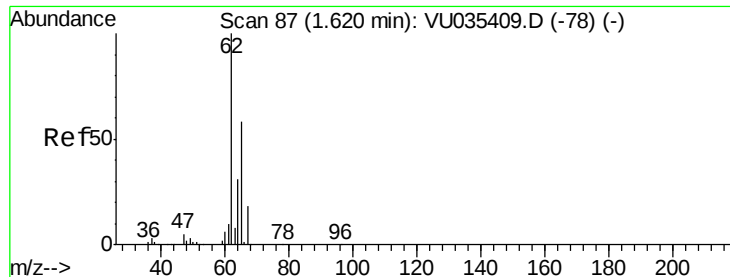
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 13.206 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

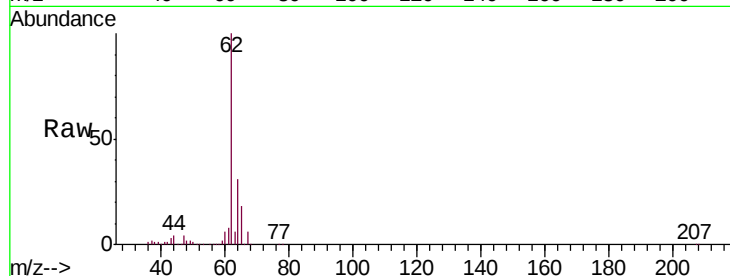
H0FZ0

Tgt Ion: 62 Resp: 245876

Ion Ratio Lower Upper

62 100

64 31.3 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035409.D (-78) (-)

Ion 64.10 (63.80 to 64.80): VU035409.D (-78) (-)

1.62

250000

200000

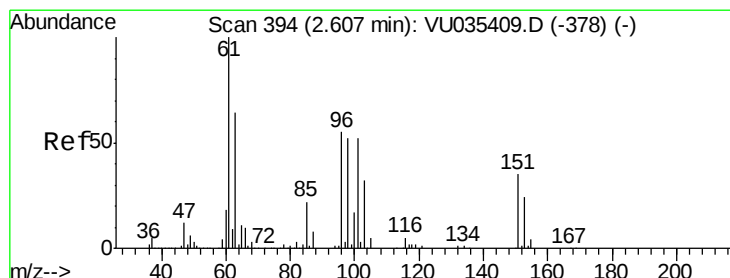
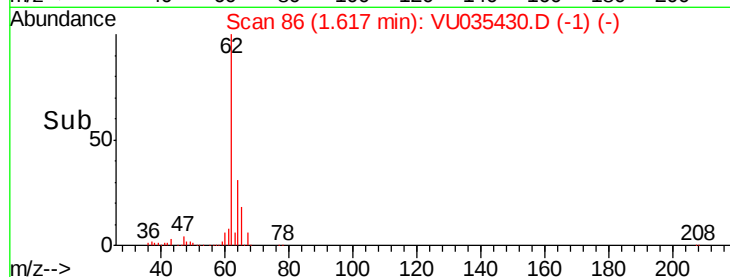
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.384 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

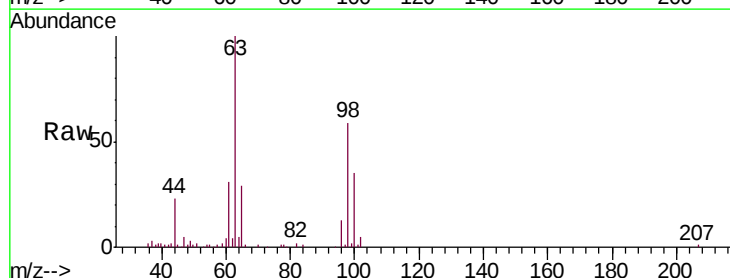
Tgt Ion: 96 Resp: 5303

Ion Ratio Lower Upper

96 100

61 240.0 120.6 224.0#

63 783.6 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU035409.D (-378) (-)

Ion 61.05 (60.75 to 61.75): VU035409.D (-378) (-)

Ion 63.00 (62.70 to 63.70): VU035409.D (-378) (-)

60000

50000

40000

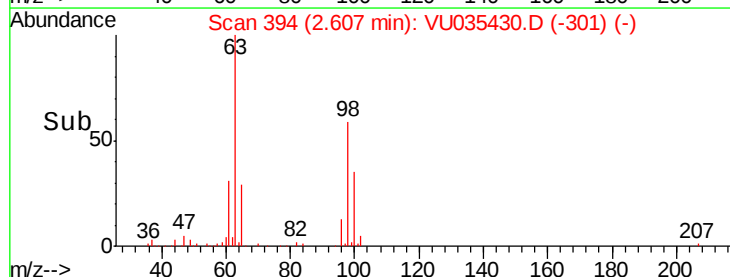
30000

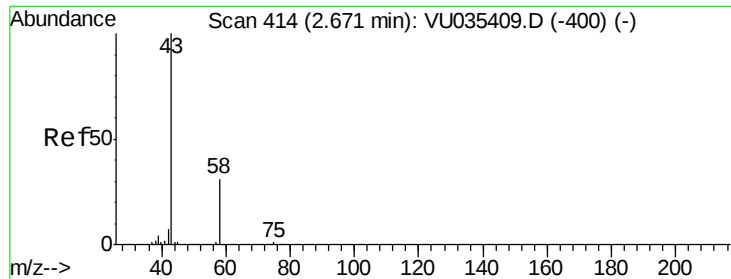
20000

10000

0

Time-->





#13

Acetone

Concen: 0.950 ug/L

RT: 2.69 min Scan# 419

Delta R.T. 0.02 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

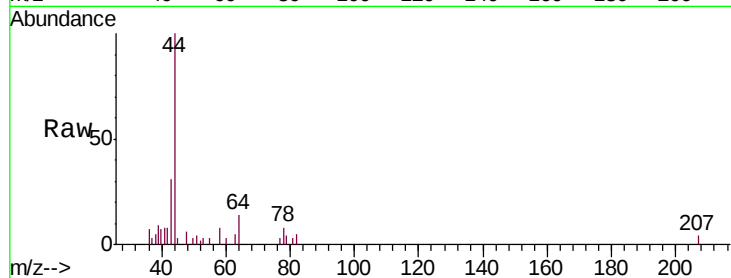
H0FZ0

Tgt Ion: 43 Resp: 2487

Ion Ratio Lower Upper

43 100

58 24.1 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035430.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU035430.D (-321) (-)

2.69

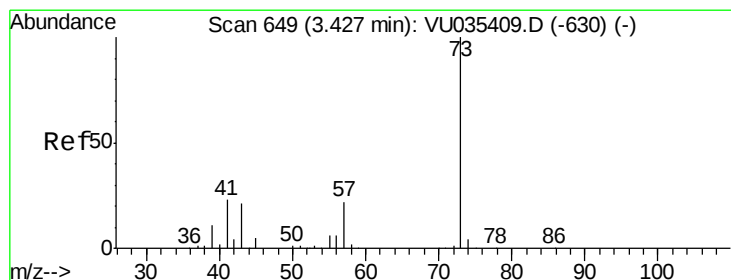
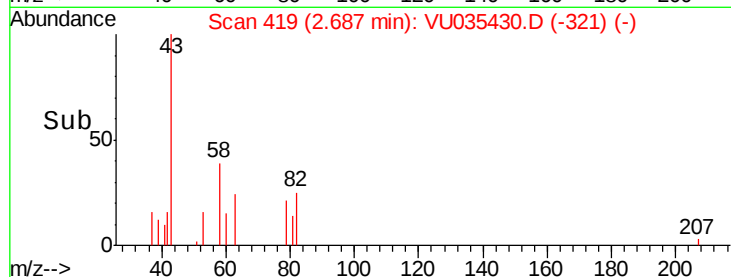
1500

1000

500

0

Time-->



#17

Methyl tert-butyl Ether

Concen: 4.051 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

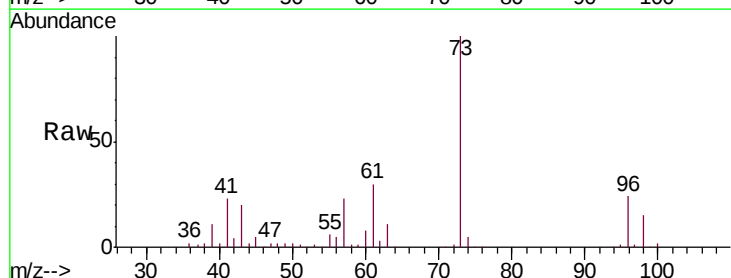
Tgt Ion: 73 Resp: 150403

Ion Ratio Lower Upper

73 100

43 20.3 16.0 24.0

57 22.4 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035430.D (-556) (-)

Ion 43.05 (42.75 to 43.75): VU035430.D (-556) (-)

Ion 57.10 (56.80 to 57.80): VU035430.D (-556) (-)

3.43

80000

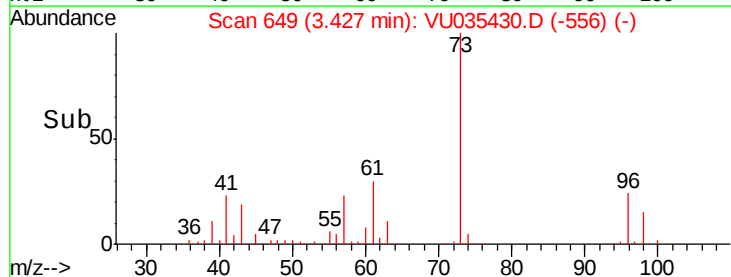
60000

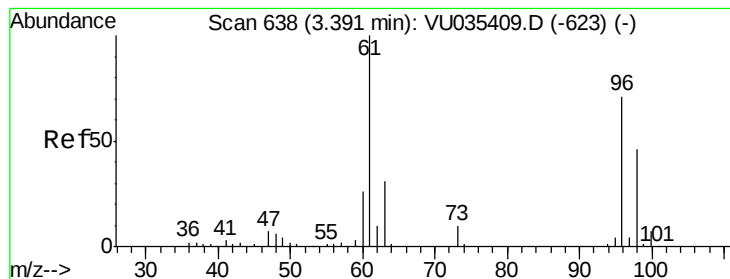
40000

20000

0

Time-->





#18

trans-1,2-Dichloroethene

Concen: 36.670 ug/L

RT: 3.39 min Scan# 638

Delta R.T. 0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

H0FZ0

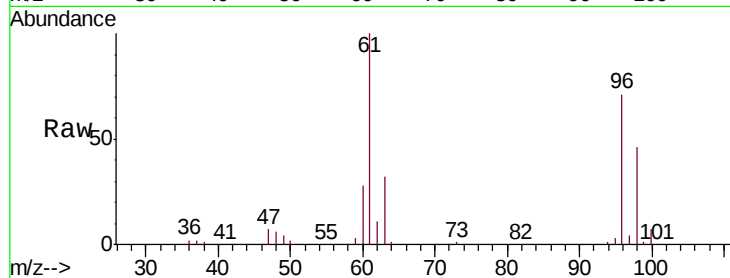
Tgt Ion: 96 Resp: 545933

Ion Ratio Lower Upper

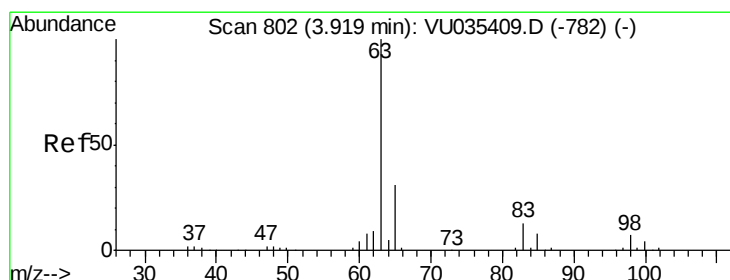
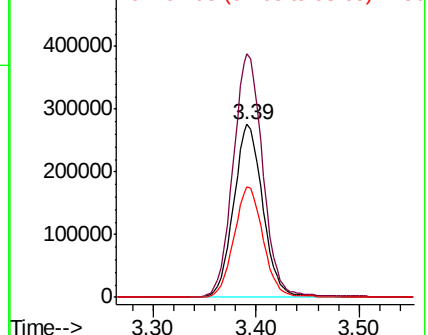
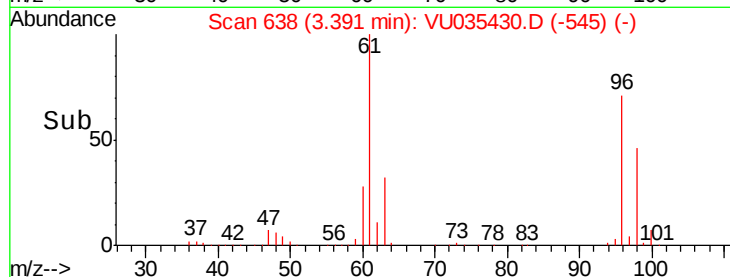
96 100

61 140.9 93.0 172.6

98 64.2 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035430.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 1.149 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

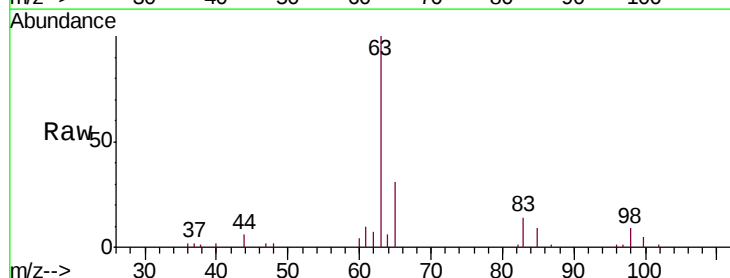
Tgt Ion: 63 Resp: 30922

Ion Ratio Lower Upper

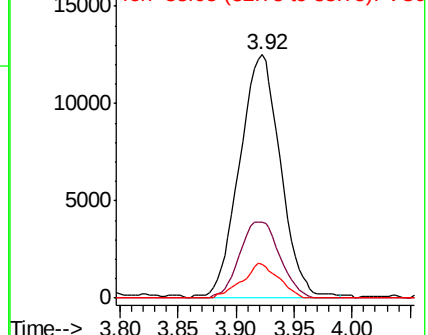
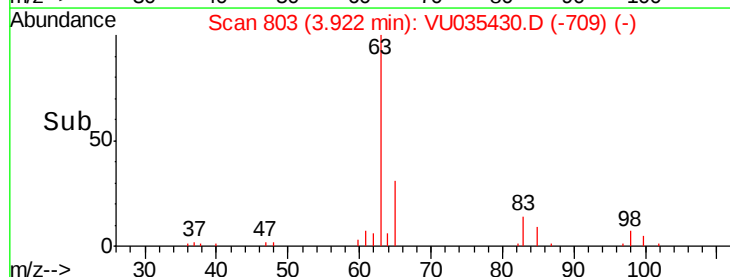
63 100

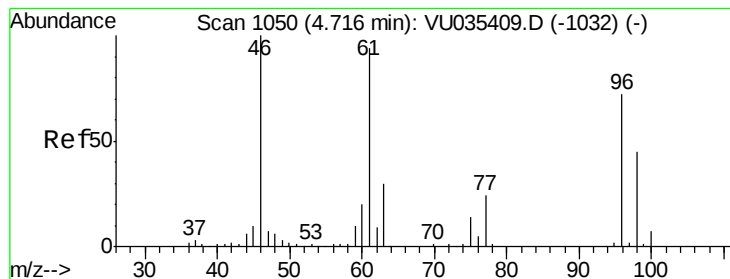
65 31.1 22.4 41.6

83 14.0 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035430.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 136.946 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

H0FZ0

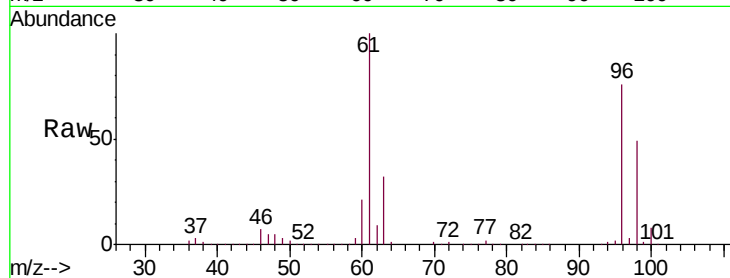
Tgt Ion: 96 Resp: 2253487

Ion Ratio Lower Upper

96 100

61 132.1 89.7 166.5

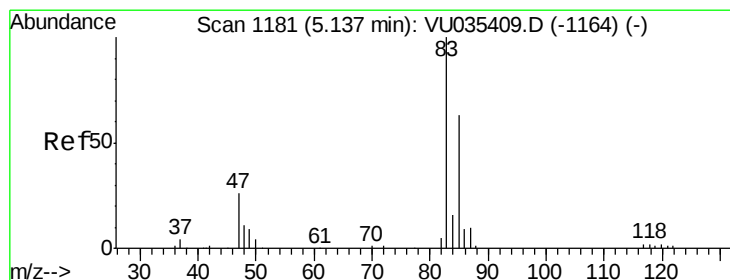
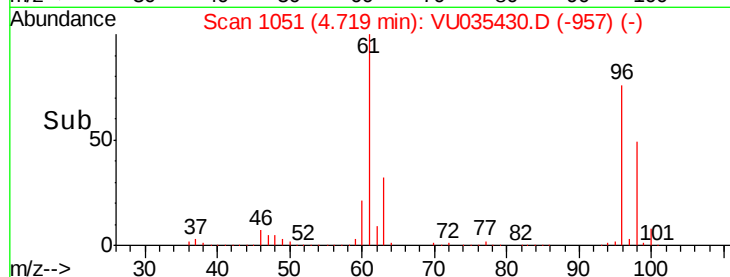
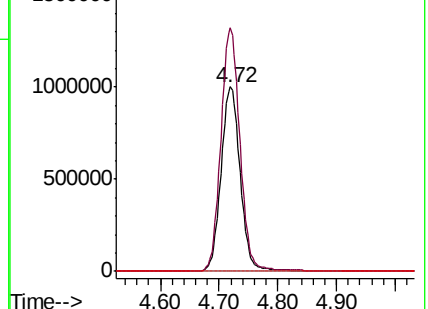
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035430.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035430.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035430.D (-957) (-)



#25

Chloroform

Concen: 0.284 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035430.D

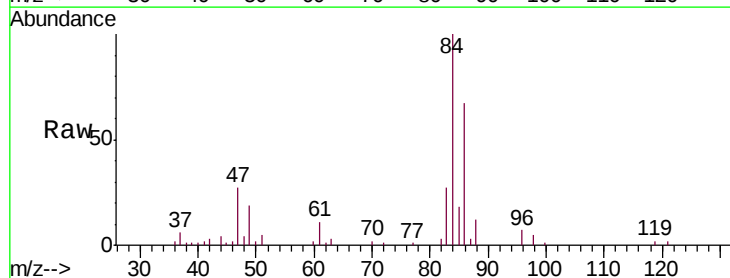
Acq: 24 Oct 2019 00:37

Tgt Ion: 83 Resp: 8375

Ion Ratio Lower Upper

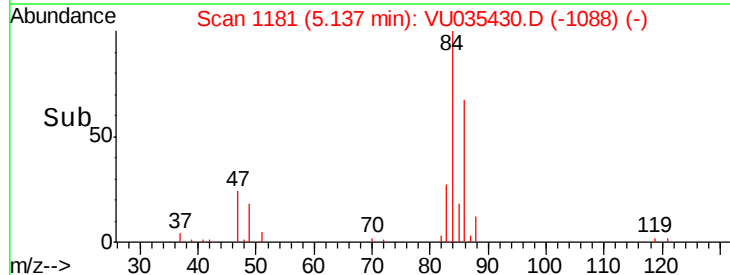
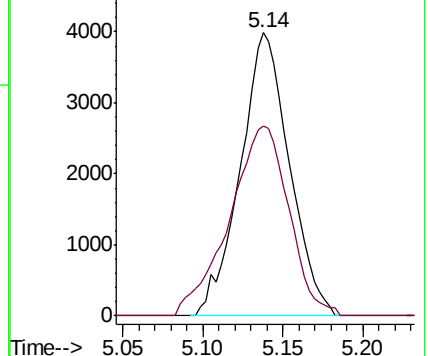
83 100

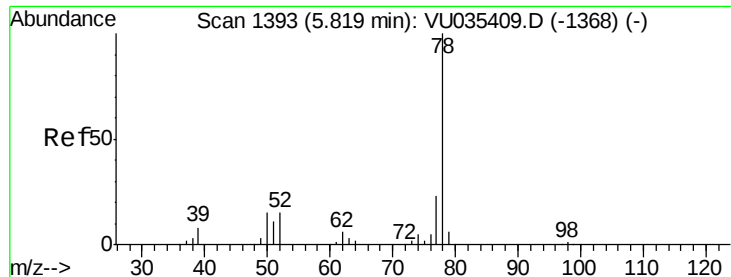
85 67.3 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035430.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035430.D (-1088) (-)





#33

Benzene

Concen: 0.147 ug/L

RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

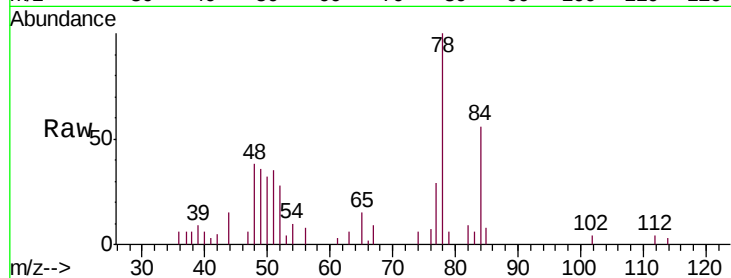
Instrument :

MSVOA_U

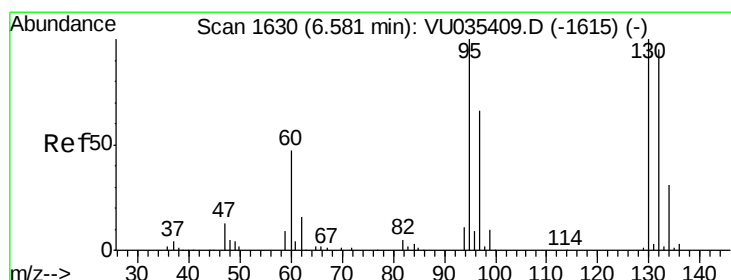
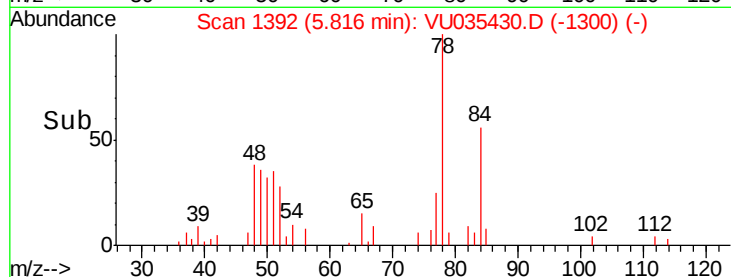
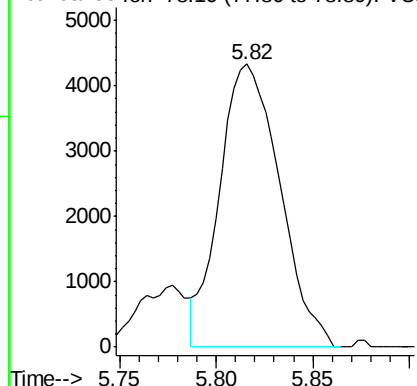
ClientSampleId :

H0FZ0

Tgt Ion: 78 Resp: 9383



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.668 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

Tgt Ion: 95 Resp: 11425

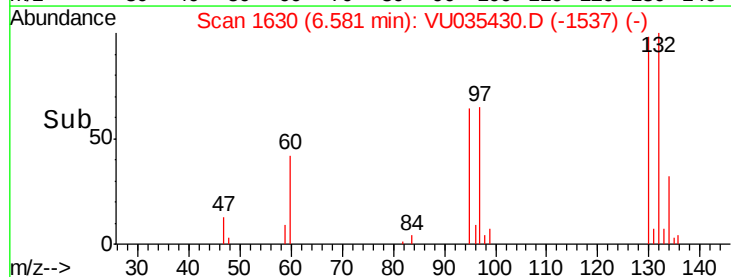
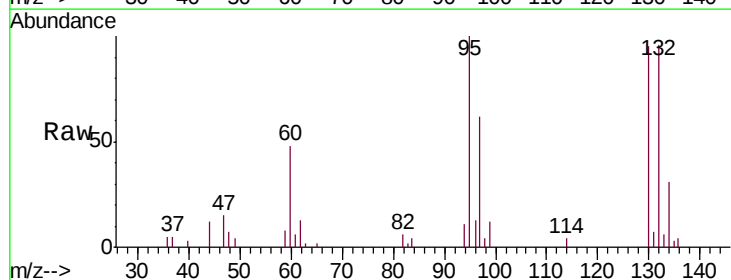
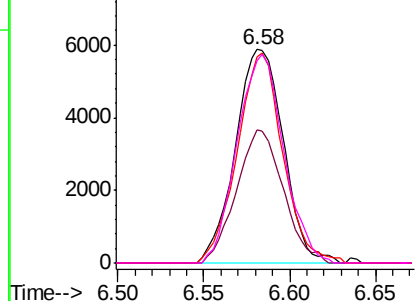
Ion	Ratio	Lower	Upper
95	100		
97	62.3	46.6	86.6
132	96.5	68.7	127.7
130	94.8	73.9	137.3

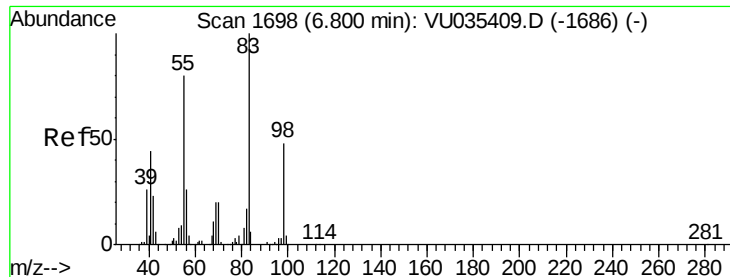
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#35

Methylcyclohexane

Concen: 0.656 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035430.D

Acq: 24 Oct 2019 00:37

Instrument :

MSVOA_U

ClientSampleId :

H0FZ0

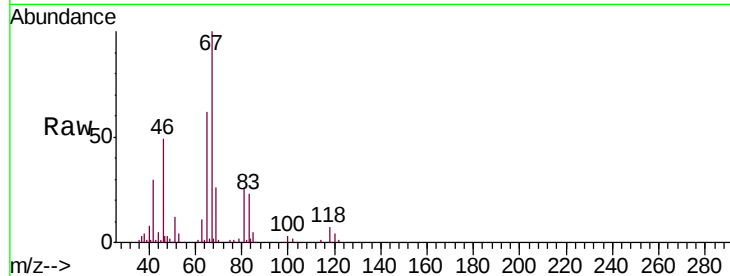
Tgt Ion: 83 Resp: 18742

Ion Ratio Lower Upper

83 100

55 0.2 60.4 90.6#

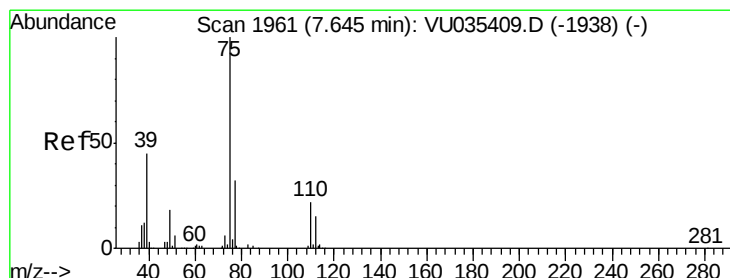
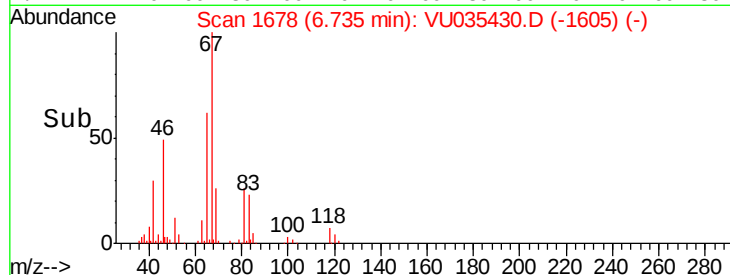
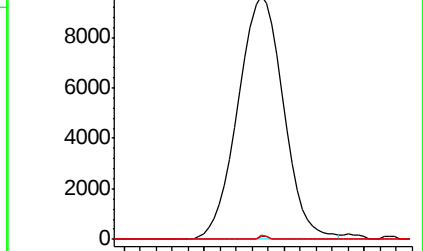
98 0.3 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU035430.D (-1678) (-)

Ion 55.10 (54.80 to 55.80): VU035430.D (-1678) (-)

Ion 98.15 (97.85 to 98.85): VU035430.D (-1678) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU035430.D

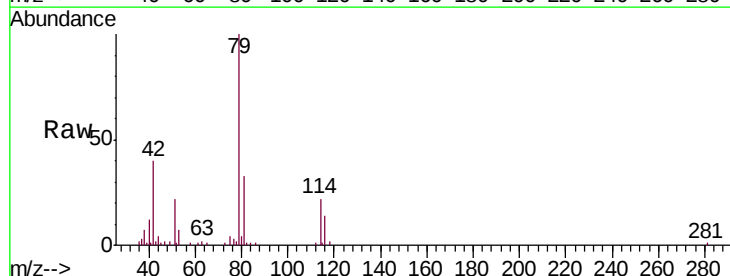
Acq: 24 Oct 2019 00:37

Tgt Ion: 75 Resp: 1897

Ion Ratio Lower Upper

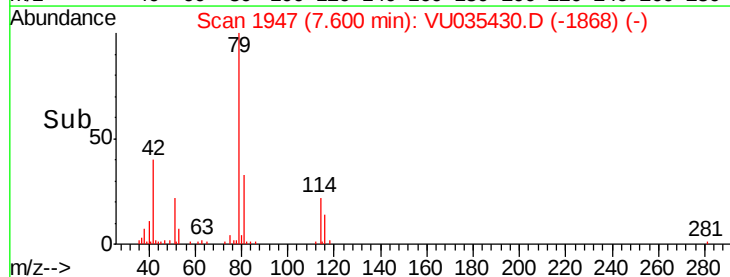
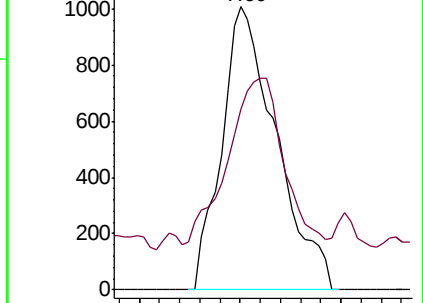
75 100

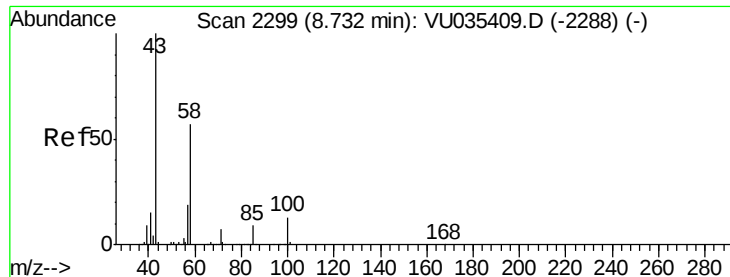
77 63.8 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU035430.D (-1947) (-)

Ion 77.05 (76.75 to 77.75): VU035430.D (-1947) (-)

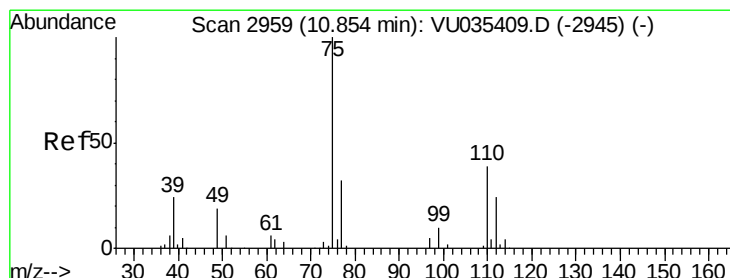
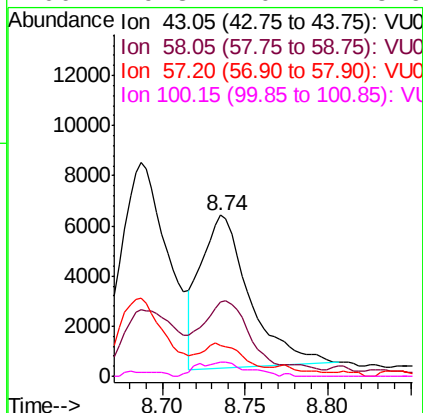
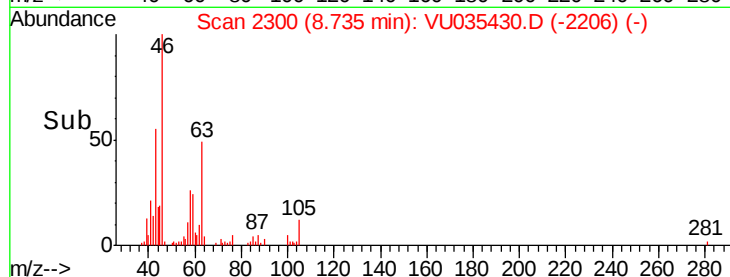
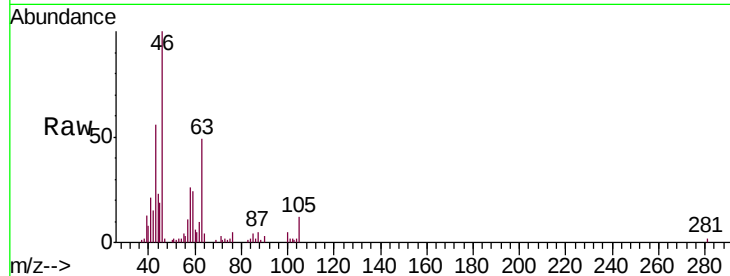




#48
 2-Hexanone
 Concen: 1.649 ug/L
 RT: 8.74 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VU035430.D
 Acq: 24 Oct 2019 00:37

Instrument :
 MSVOA_U
 ClientSampled :
 H0FZ0

Tgt Ion: 43 Resp: 12610
 Ion Ratio Lower Upper
 43 100
 58 53.1 45.1 67.7
 57 15.3 16.0 24.0#
 100 9.3 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.820 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035430.D
 Acq: 24 Oct 2019 00:37

Tgt Ion: 75 Resp: 9228
 Ion Ratio Lower Upper
 75 100
 77 39.6 26.2 39.2#

