

Data File : VU035427.D
Acq On : 23 Oct 2019 23:23
Operator : JC/SP
Sample : K5488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G53

Quant Time: Oct 24 05:26:10 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	201157	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	207847	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	70077	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	54480	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.93	69	57613	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.59	63	80146	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	4.71	46	232998	66.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.20%#
24) Chloroform-d	5.11	84	130068	5.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.00%
26) 1,2-Dichloroethane-d4	5.75	65	75575	6.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.80%
32) Benzene-d6	5.77	84	235756	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.74	67	87623	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	7.93	98	191194	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.22	79	29304	4.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.00%
46) 2-Hexanone-d5	8.68	63	151881	47.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.04%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	80537	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	68350	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

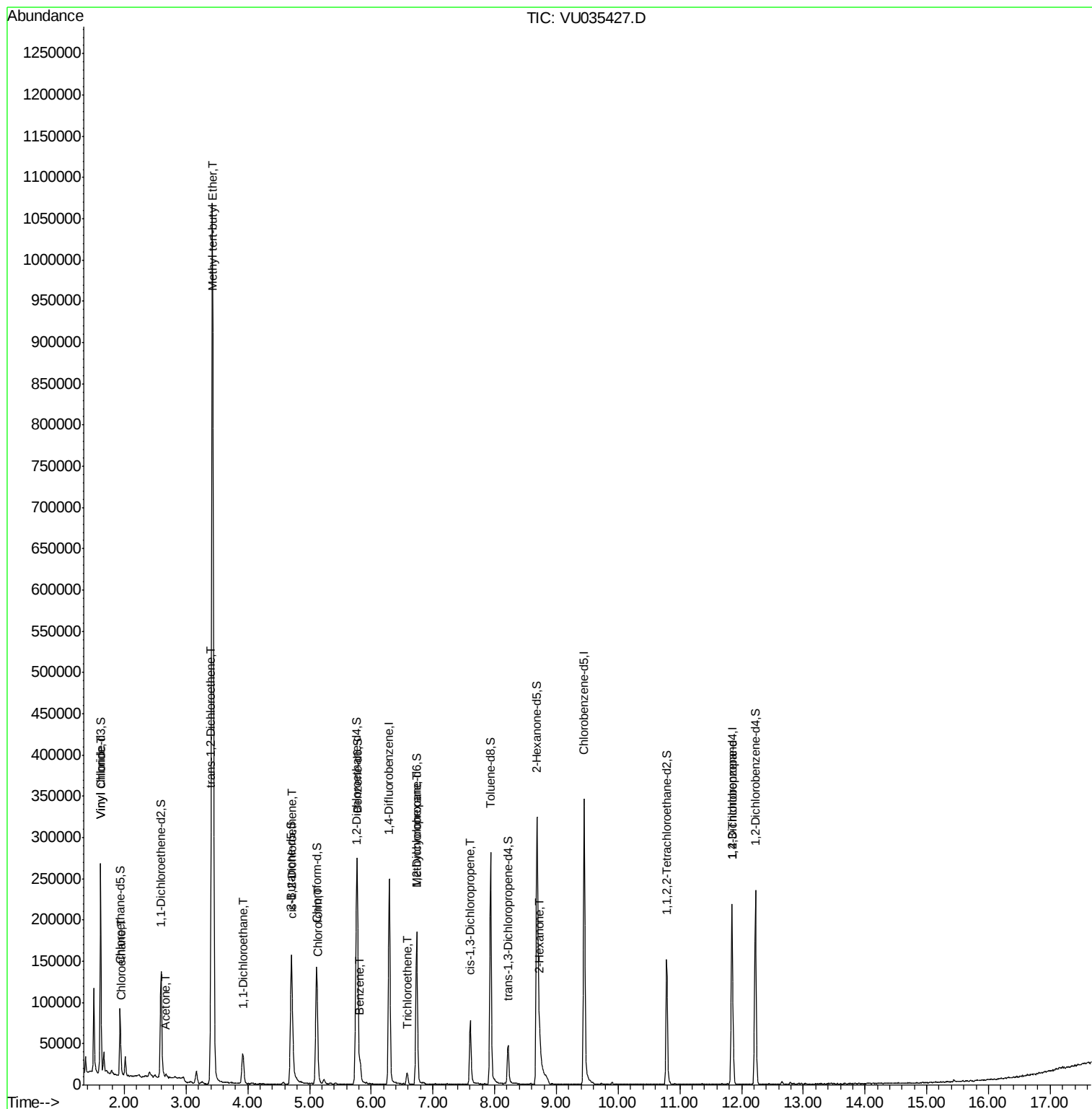
					Qvalue
5) Vinyl chloride	1.62	62	24505	1.405 ug/L	84
8) Chloroethane	1.95	64	1986	0.177 ug/L	88
13) Acetone	2.67	43	3256	1.328 ug/L	98
17) Methyl tert-butyl Ether	3.43	73	1162484	33.422 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	3017	0.216 ug/L	90
19) 1,1-Dichloroethane	3.92	63	41556	1.648 ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	9014	0.585 ug/L	83
25) Chloroform	5.14	83	5524	0.200 ug/L	84
33) Benzene	5.82	78	22856	0.374 ug/L	100
34) Trichloroethene	6.58	95	4369	0.266 ug/L	93
35) Methylcyclohexane	6.74	83	19545	0.711 ug/L #	19
39) cis-1,3-Dichloropropene	7.60	75	2197	0.085 ug/L #	76
48) 2-Hexanone	8.73	43	9687	1.318 ug/L #	97
59) 1,2,3-Trichloropropane	11.84	75	8918	0.824 ug/L	94

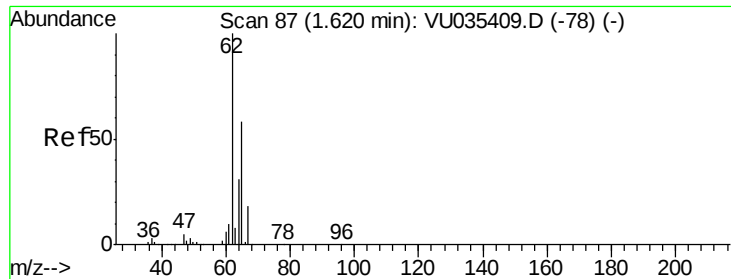
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.405 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

Instrument :

MSVOA_U

ClientSampleId :

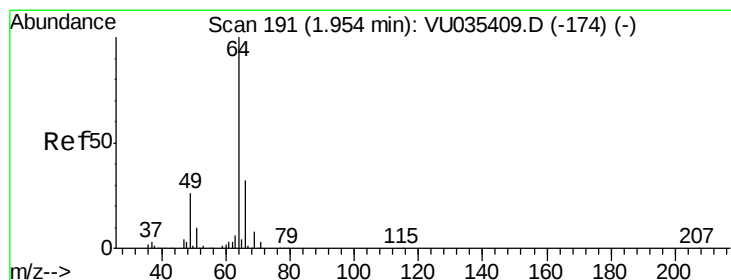
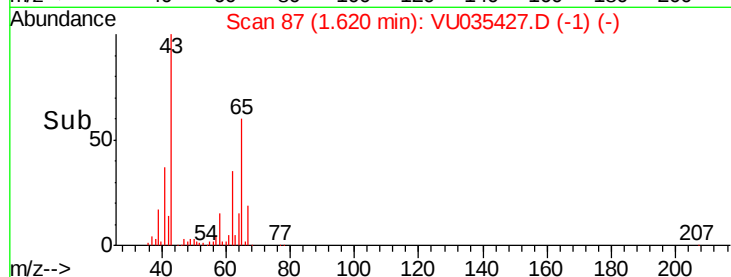
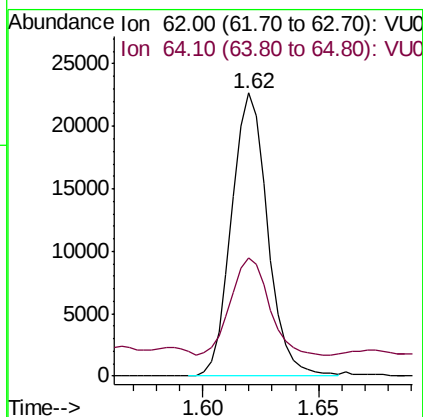
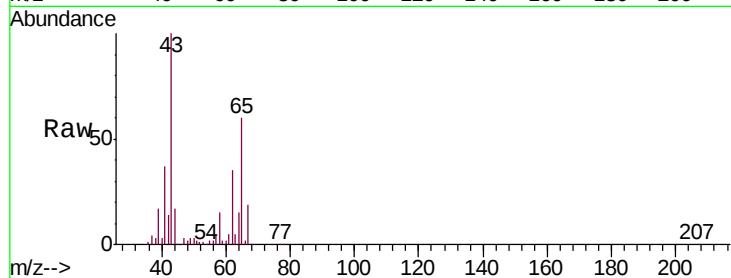
H0G53

Tgt Ion: 62 Resp: 24505

Ion Ratio Lower Upper

62 100

64 42.0 22.9 42.5



#8

Chloroethane

Concen: 0.177 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035427.D

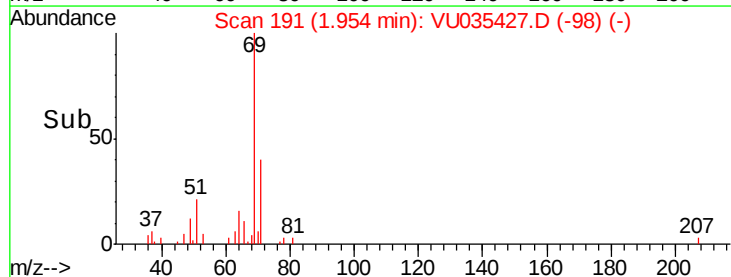
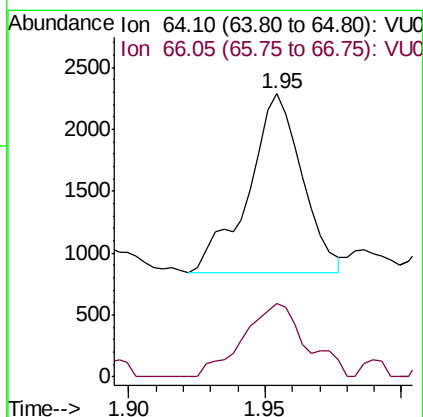
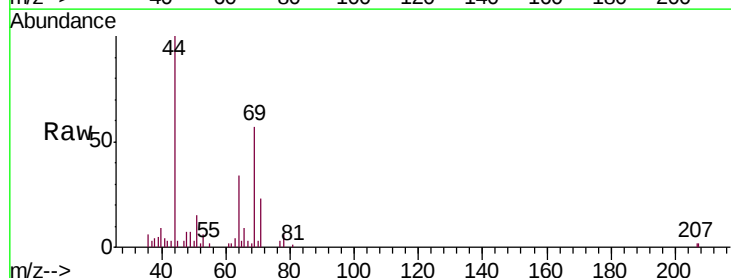
Acq: 23 Oct 2019 23:23

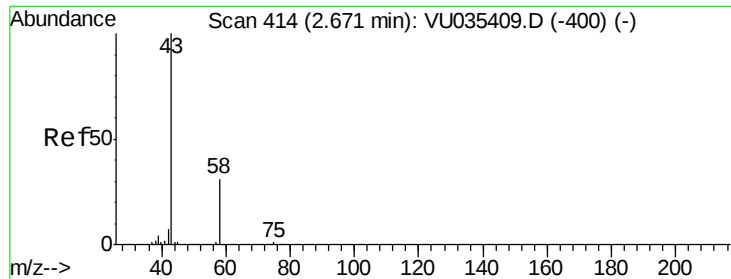
Tgt Ion: 64 Resp: 1986

Ion Ratio Lower Upper

64 100

66 25.8 22.7 42.1





#13

Acetone

Concen: 1.328 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

Instrument :

MSVOA_U

ClientSampleId :

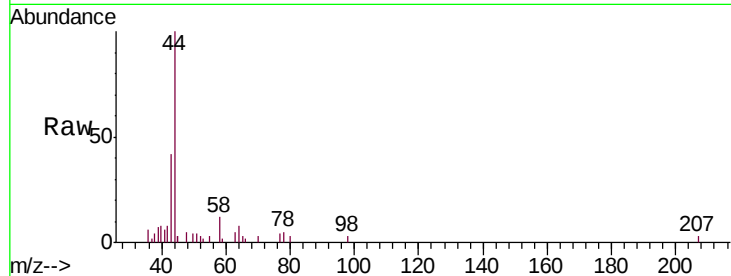
H0G53

Tgt Ion: 43 Resp: 3256

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035409.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035409.D (-400) (-)

2500

2000

1500

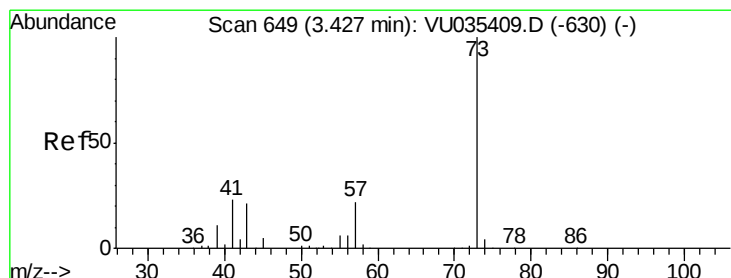
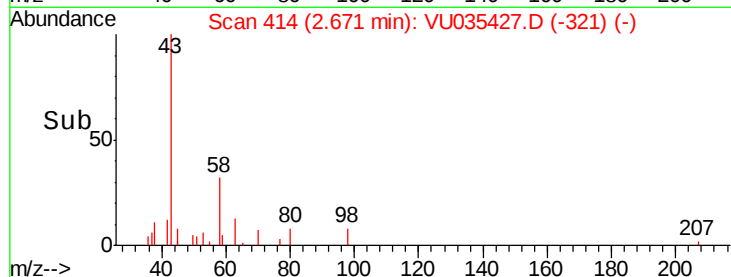
1000

500

0

2.65 2.70

Time-->



#17

Methyl tert-butyl Ether

Concen: 33.422 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

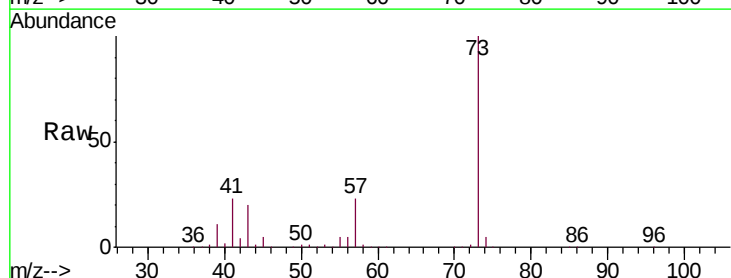
Tgt Ion: 73 Resp: 1162484

Ion Ratio Lower Upper

73 100

43 20.2 16.0 24.0

57 22.8 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VU035409.D (-630) (-)

Ion 43.05 (42.75 to 43.75): VU035409.D (-630) (-)

Ion 57.10 (56.80 to 57.80): VU035409.D (-630) (-)

600000

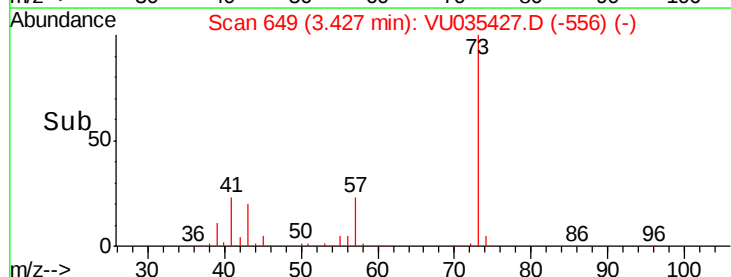
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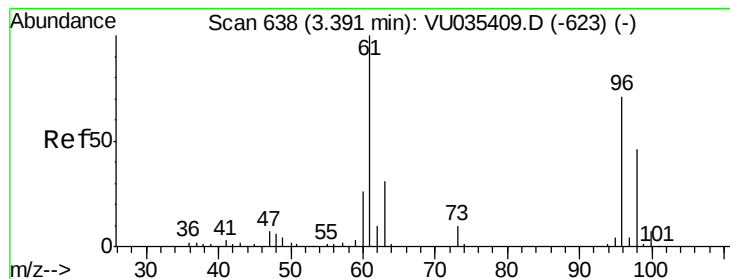
200000

0

3.30 3.40 3.50 3.60

Time-->





#18

trans-1,2-Dichloroethene

Concen: 0.216 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

Instrument :

MSVOA_U

ClientSampleId :

H0G53

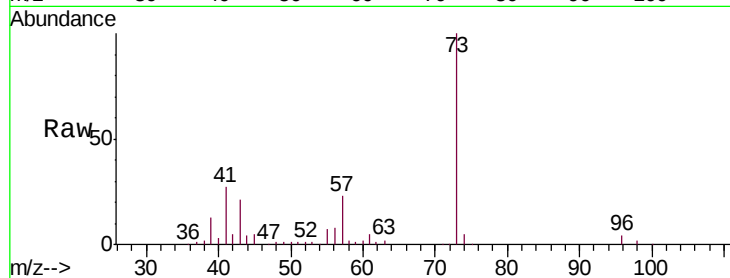
Tgt Ion: 96 Resp: 3017

Ion Ratio Lower Upper

96 100

61 149.2 93.0 172.6

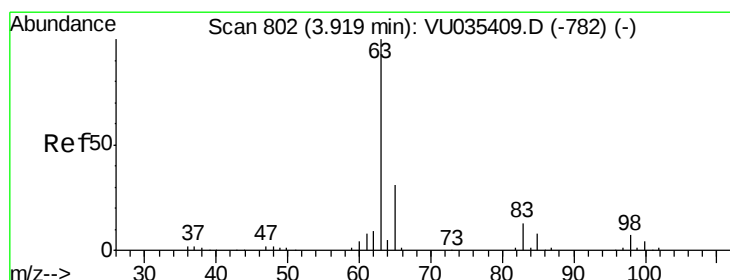
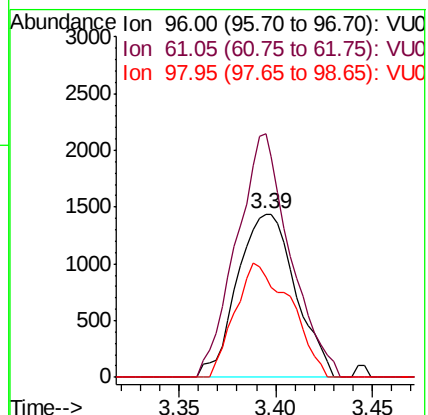
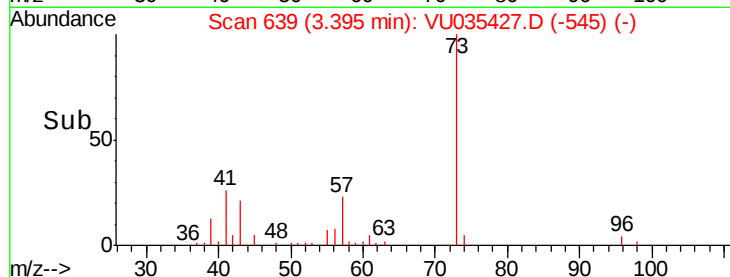
98 61.2 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035427.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035427.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035427.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 1.648 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

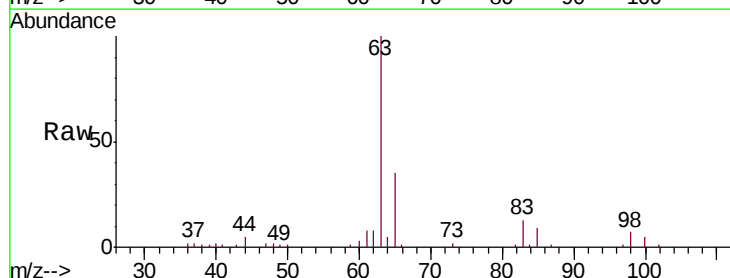
Tgt Ion: 63 Resp: 41556

Ion Ratio Lower Upper

63 100

65 34.5 22.4 41.6

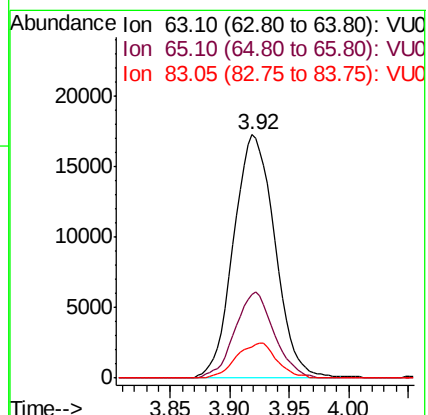
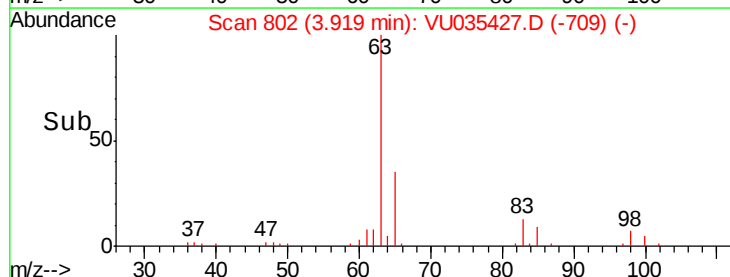
83 12.8 9.3 17.3

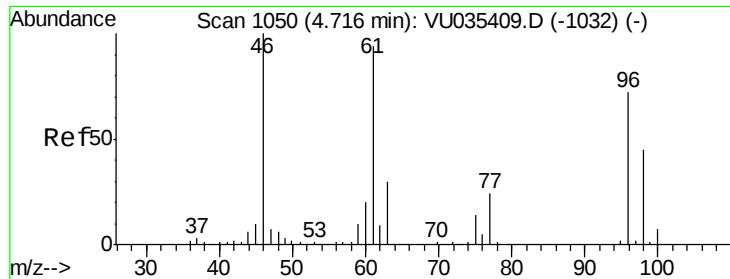


Abundance Ion 63.10 (62.80 to 63.80): VU035427.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035427.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035427.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.585 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

Instrument :

MSVOA_U

ClientSampleId :

H0G53

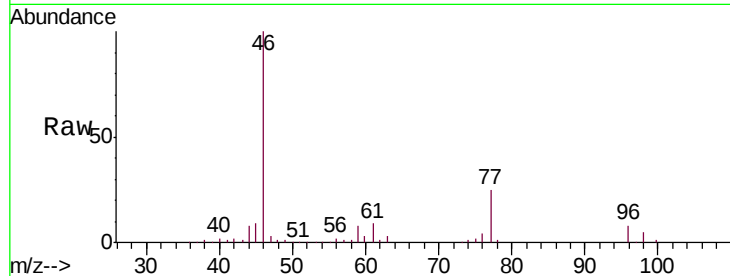
Tgt Ion: 96 Resp: 9014

Ion Ratio Lower Upper

96 100

61 108.8 89.7 166.5

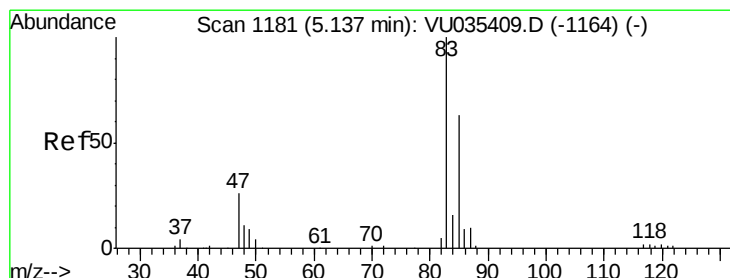
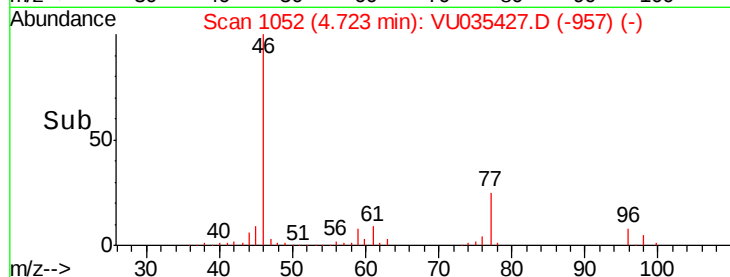
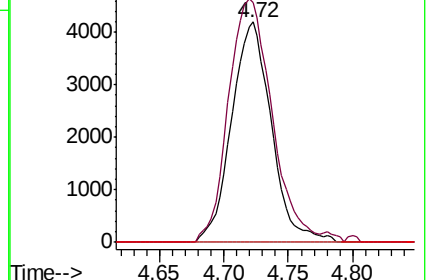
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035427.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035427.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035427.D (-957) (-)



#25

Chloroform

Concen: 0.200 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035427.D

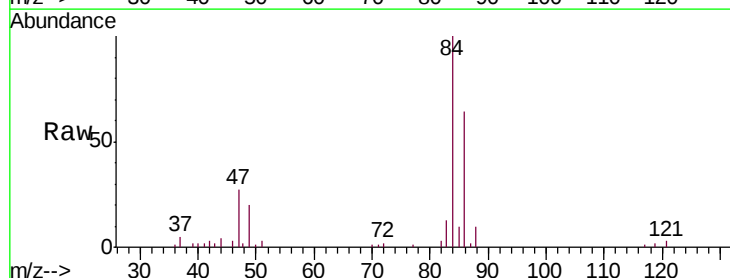
Acq: 23 Oct 2019 23:23

Tgt Ion: 83 Resp: 5524

Ion Ratio Lower Upper

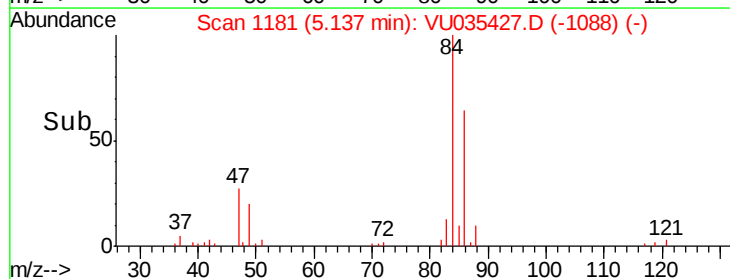
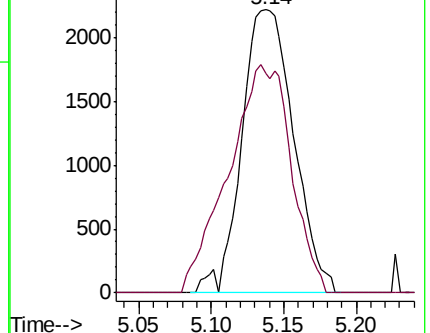
83 100

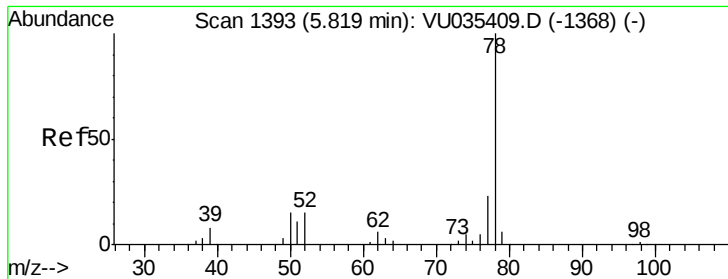
85 77.4 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035427.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035427.D (-1088) (-)





#33

Benzene

Concen: 0.374 ug/L

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

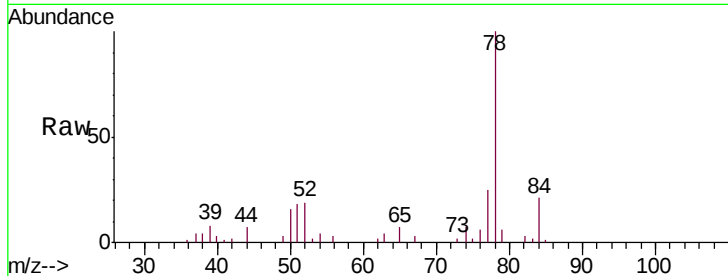
Instrument :

MSVOA_U

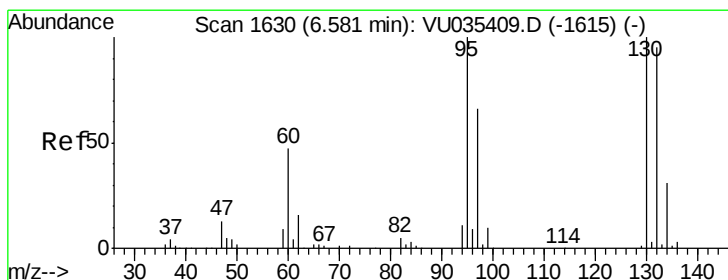
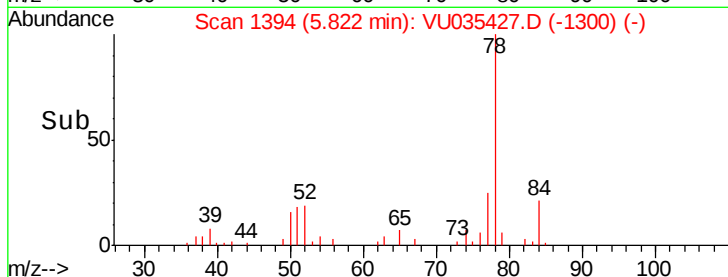
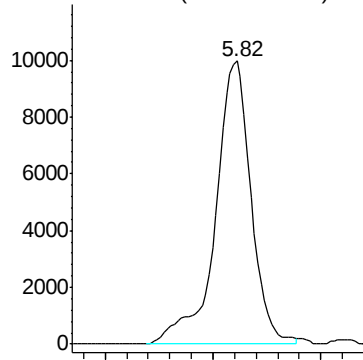
ClientSampled :

H0G53

Tgt Ion: 78 Resp: 22856



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.266 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035427.D

Acq: 23 Oct 2019 23:23

Tgt Ion: 95 Resp: 4369

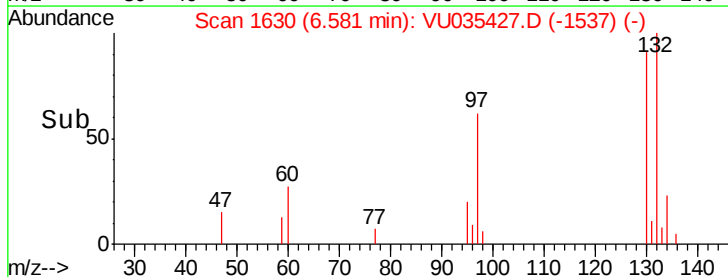
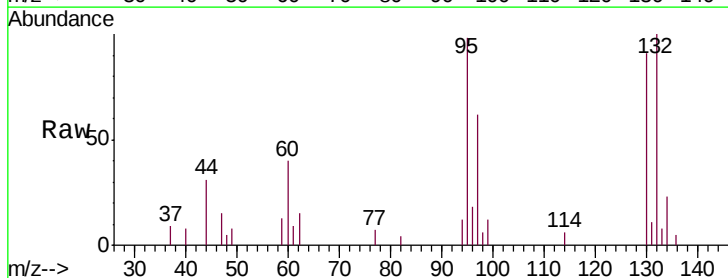
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.6	86.6
132	102.3	68.7	127.7
130	92.7	73.9	137.3

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



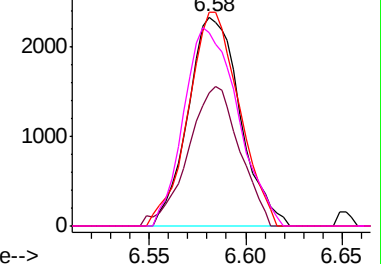
Abundance Ion 95.00 (94.70 to 95.70): VU0

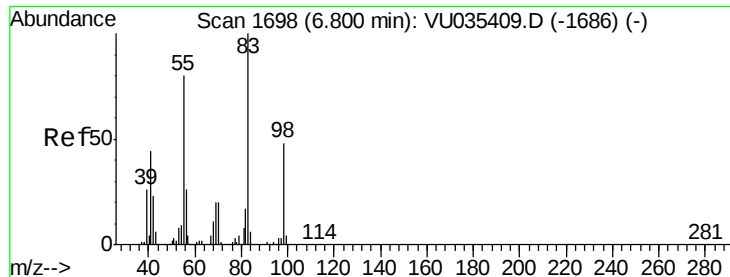
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->

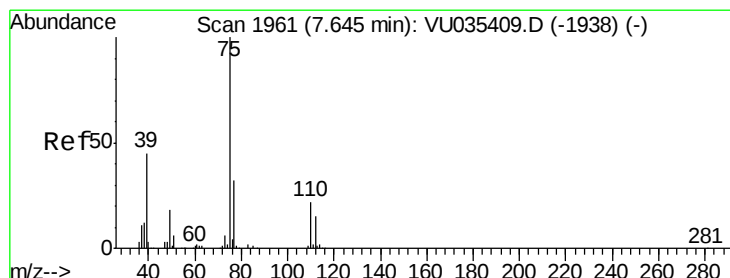
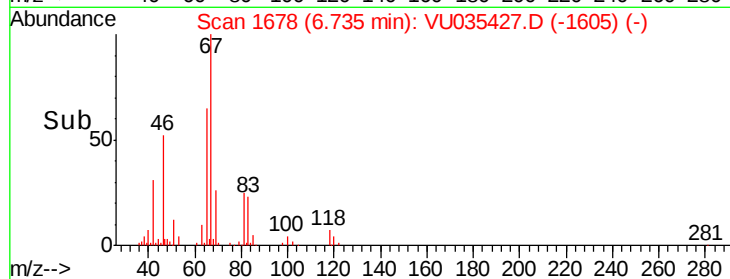
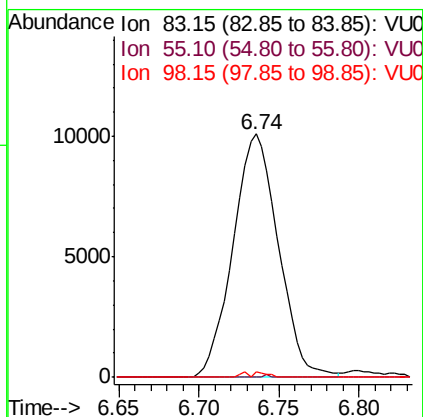
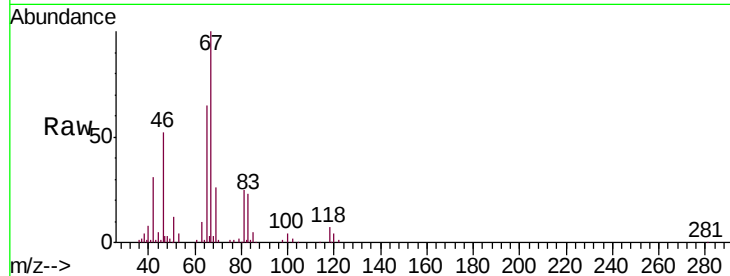




#35
Methylcyclohexane
Concen: 0.711 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035427.D
Acq: 23 Oct 2019 23:23

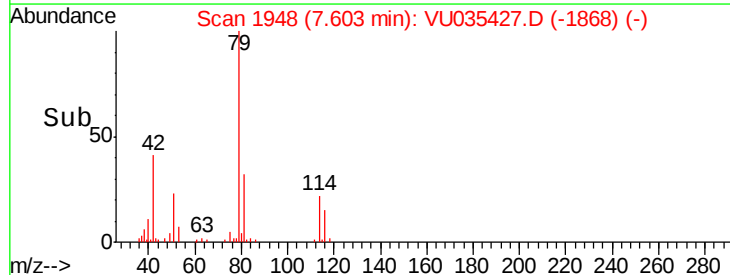
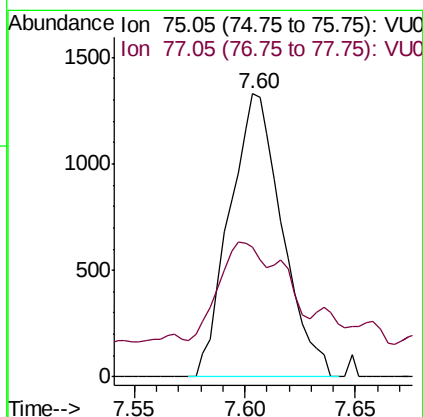
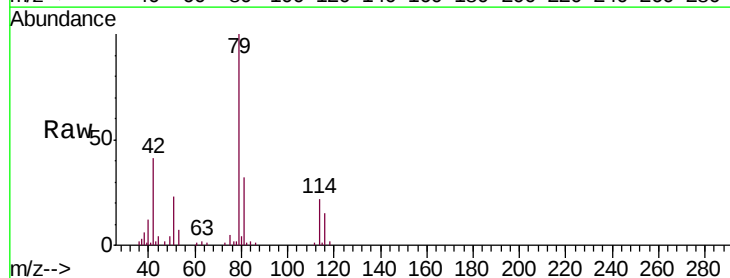
Instrument :
MSVOA_U
ClientSampled :
H0G53

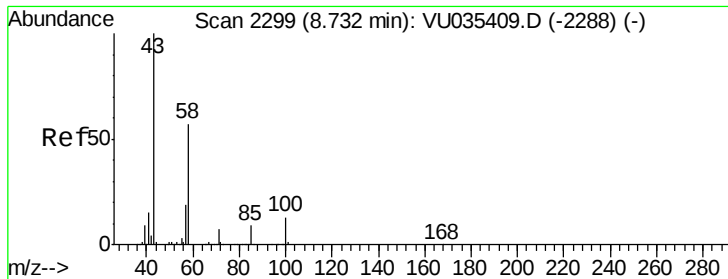
Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.1	60.4	90.6#
98	0.6	39.5	59.3#



#39
cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 7.60 min Scan# 1948
Delta R.T. -0.04 min
Lab File: VU035427.D
Acq: 23 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	45.7	22.7	42.1#

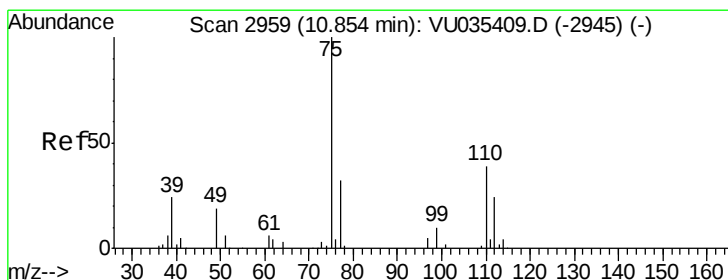
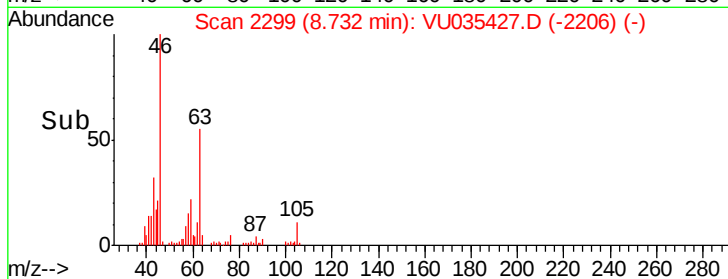
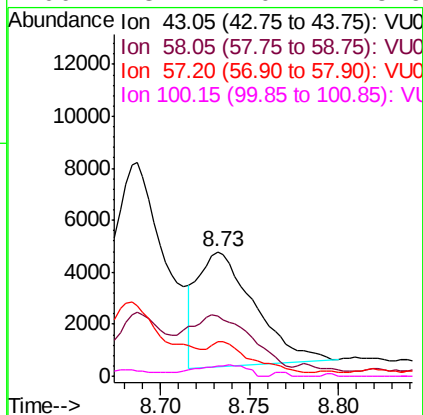
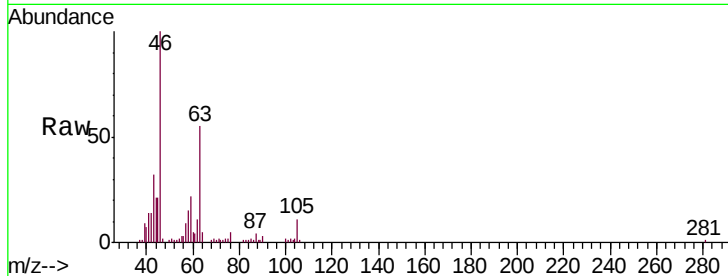




#48
 2-Hexanone
 Concen: 1.318 ug/L
 RT: 8.73 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: VU035427.D
 Acq: 23 Oct 2019 23:23

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G53

Tgt Ion: 43 Resp: 9687
 Ion Ratio Lower Upper
 43 100
 58 57.6 45.1 67.7
 57 21.6 16.0 24.0
 100 8.7 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.824 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU035427.D
 Acq: 23 Oct 2019 23:23

Tgt Ion: 75 Resp: 8918
 Ion Ratio Lower Upper
 75 100
 77 36.2 26.2 39.2

