

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035386.D
 Acq On : 23 Oct 2019 00:36
 Operator : JC/SP
 Sample : K5461-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 08:07:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	248152	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	253835	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93821	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105904	7.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	140.00%#
7) Chloroethane-d5	1.93	69	91973	6.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	133.00%#
11) 1,1-Dichloroethene-d2	2.59	63	134855	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.40%
20) 2-Butanone-d5	4.71	46	231432	53.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.44%
24) Chloroform-d	5.11	84	160108	5.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.80%
26) 1,2-Dichloroethane-d4	5.75	65	90147	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.60%
32) Benzene-d6	5.77	84	330327	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
36) 1,2-Dichloropropane-d6	6.74	67	108110	5.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.20%
41) Toluene-d8	7.93	98	285809	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.22	79	35825	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.68	63	171855	43.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	86561	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	94503	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	212331	9.869	ug/L	99
8) Chloroethane	1.95	64	4536	0.327	ug/L	94
12) 1,1-Dichloroethene	2.60	96	1339	0.084	ug/L #	1
13) Acetone	2.68	43	4411	1.458	ug/L	97
16) Methylene chloride	3.08	84	2149	0.112	ug/L	98
17) Methyl tert-butyl Ether	3.43	73	427600	9.966	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	94291	5.480	ug/L	93
19) 1,1-Dichloroethane	3.92	63	28159	0.905	ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	24901	1.309	ug/L	90
25) Chloroform	5.14	83	9517	0.279	ug/L	96
33) Benzene	5.82	78	21798	0.292	ug/L	100
34) Trichloroethene	6.58	95	7052	0.351	ug/L	85
35) Methylcyclohexane	6.74	83	24904	0.742	ug/L #	19
42) Toluene	8.01	91	29891	0.363	ug/L	99
48) 2-Hexanone	8.73	43	10983	1.224	ug/L #	83
59) 1,2,3-Trichloropropane	11.84	75	11795	0.893	ug/L	96

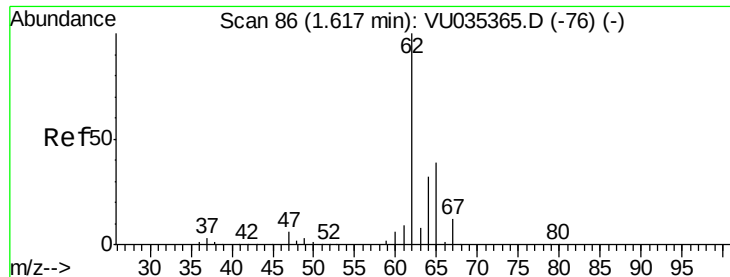
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102219\
Data File : VU035386.D
Acq On : 23 Oct 2019 00:36
Operator : JC/SP
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5

Vinyl chloride

Concen: 9.869 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035386.D

Acq: 23 Oct 2019 00:36

Instrument :

MSVOA_U

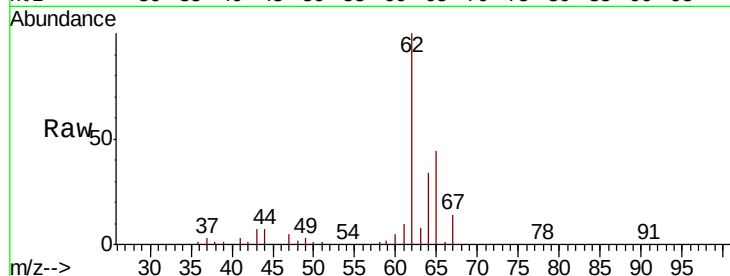
ClientSampleId :

Tot Ion: 62 Resp: 212331

Ion Ratio Lower Upper

62 100

64 33.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035386.D (-76) (-)

Ion 64.10 (63.80 to 64.80): VU035386.D (-76) (-)

1.62

200000

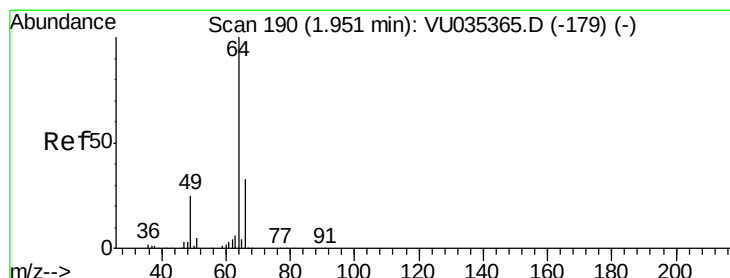
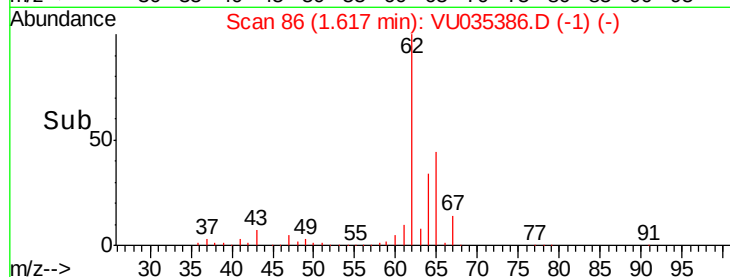
150000

100000

50000

0

Time-->



#8

Chloroethane

Concen: 0.327 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU035386.D

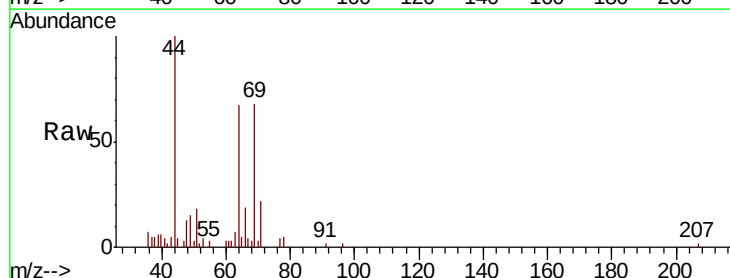
Acq: 23 Oct 2019 00:36

Tgt Ion: 64 Resp: 4536

Ion Ratio Lower Upper

64 100

66 29.0 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU035386.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU035386.D (-179) (-)

1.95

5000

4000

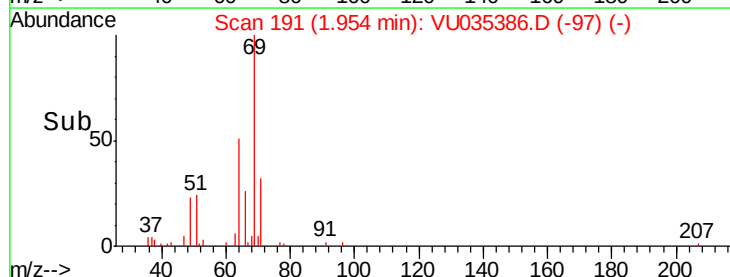
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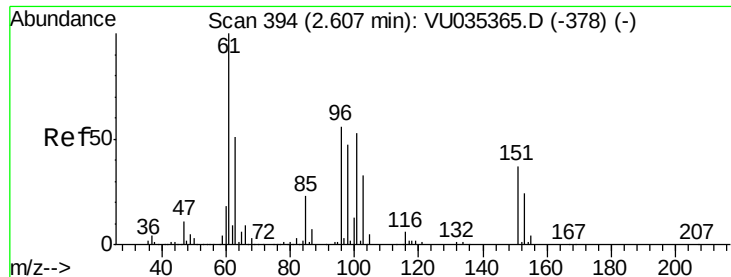
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Time-->

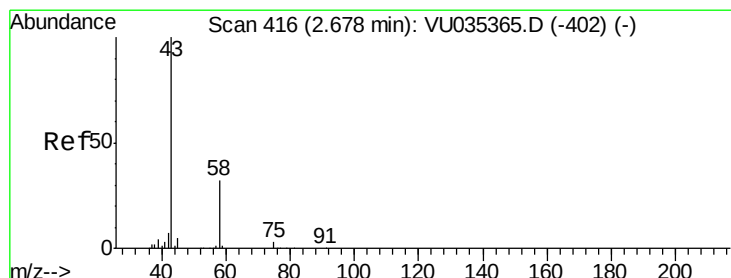
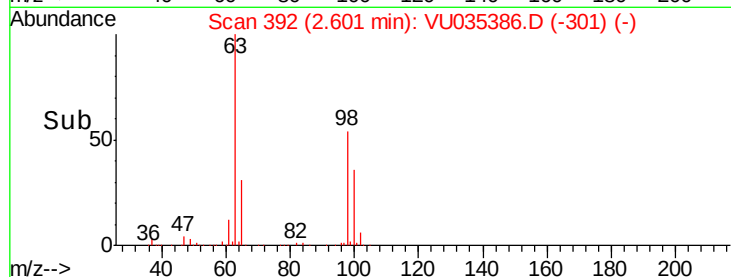
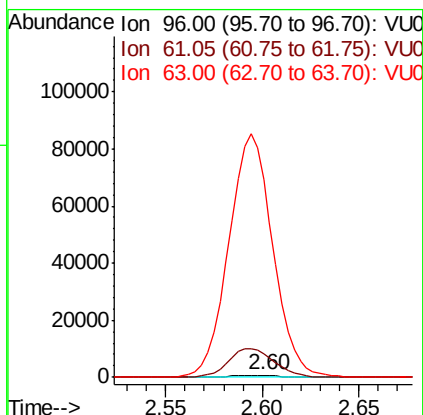
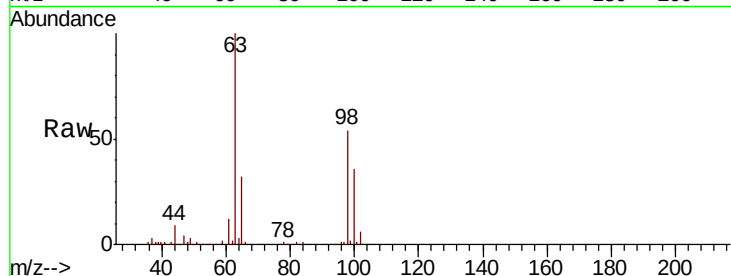




#12
 1,1-Dichloroethene
 Concen: 0.084 ug/L
 RT: 2.60 min Scan# 392
 Delta R.T. -0.01 min
 Lab File: VU035386.D
 Acq: 23 Oct 2019 00:36

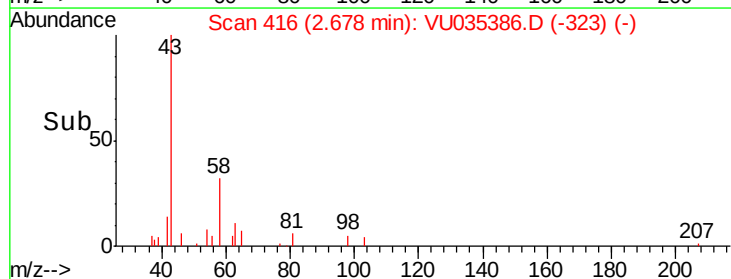
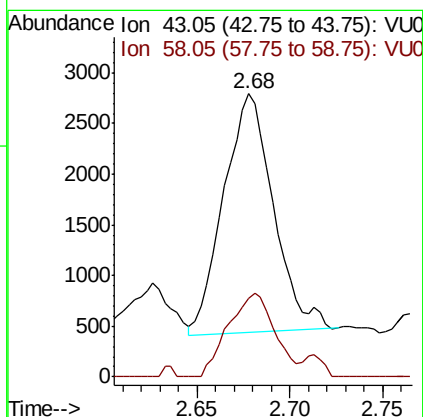
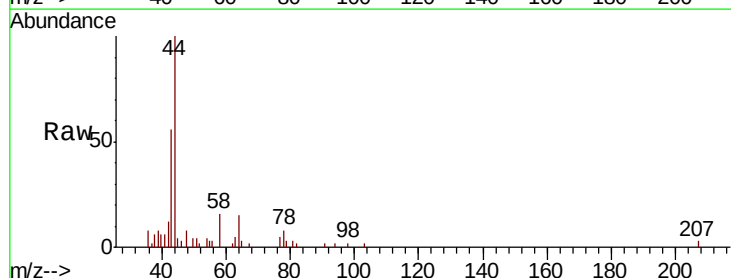
Instrument :
 MSVOA_U
 ClientSampled :

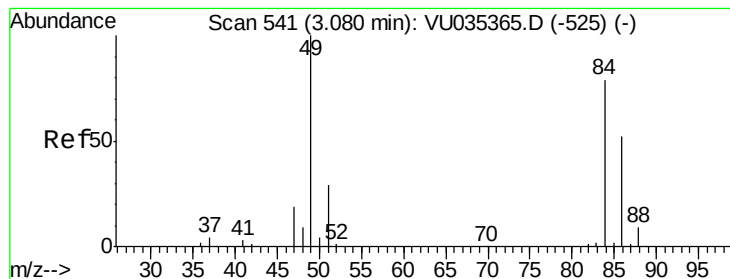
Tot Ion: 96 Resp: 1339
 Ion Ratio Lower Upper
 96 100
 61 1234.2 120.6 224.0#
 63 10418.1 86.8 161.2#



#13
 Acetone
 Concen: 1.458 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VU035386.D
 Acq: 23 Oct 2019 00:36

Tgt Ion: 43 Resp: 4411
 Ion Ratio Lower Upper
 43 100
 58 32.4 0.0 61.8





#16

Methylene chloride

Concen: 0.112 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035386.D

Acq: 23 Oct 2019 00:36

Instrument :
MSVOA_U
ClientSampleId :

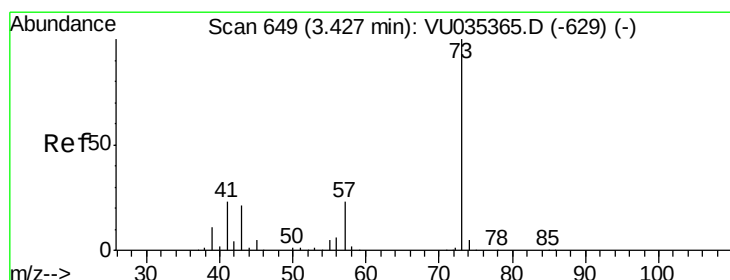
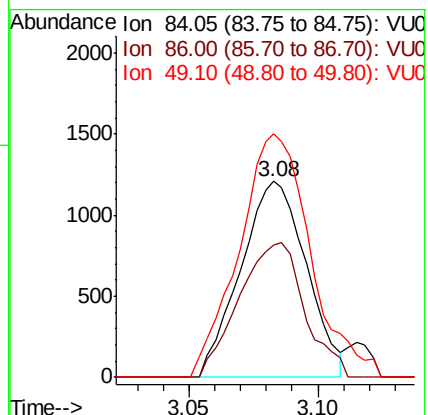
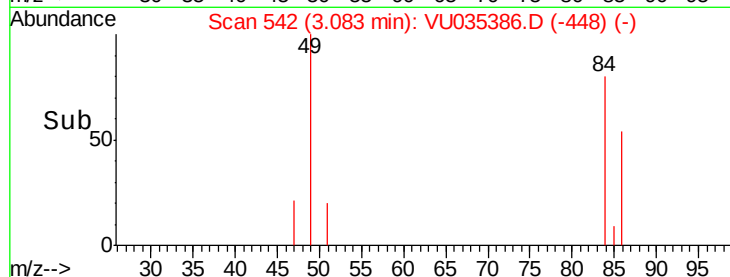
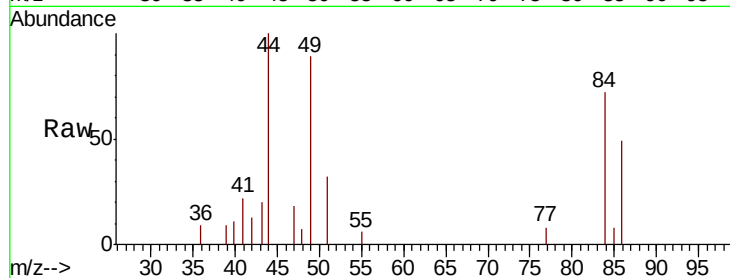
Tot Ion: 84 Resp: 2149

Ion Ratio Lower Upper

84 100

86 67.8 45.4 84.2

49 124.5 86.8 161.2



#17

Methyl tert-butyl Ether

Concen: 9.966 ug/L

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035386.D

Acq: 23 Oct 2019 00:36

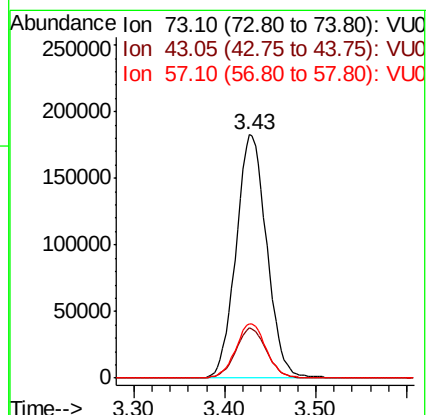
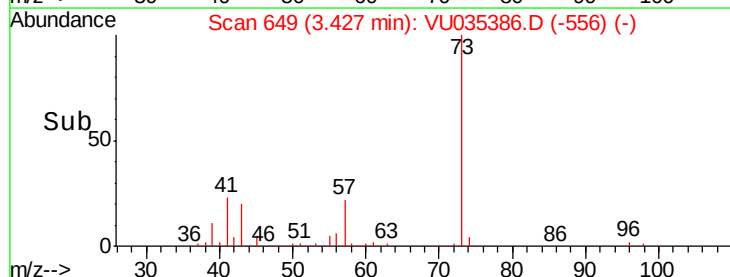
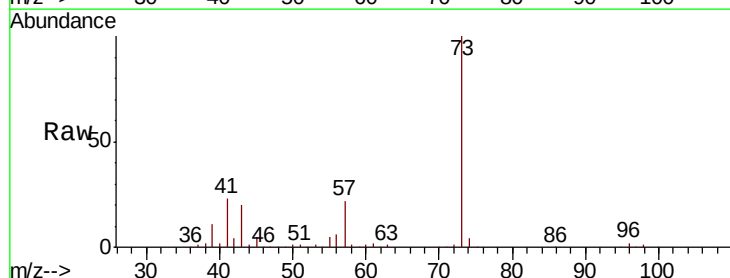
Tgt Ion: 73 Resp: 427600

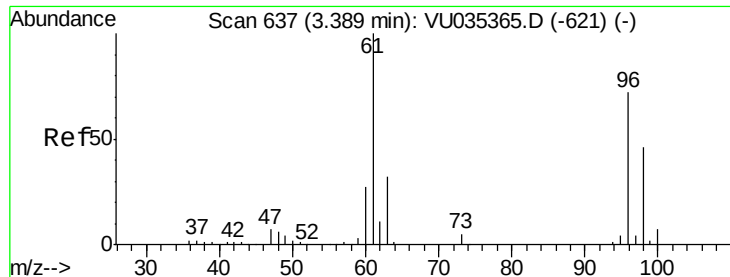
Ion Ratio Lower Upper

73 100

43 20.7 16.0 24.0

57 22.4 17.4 26.2

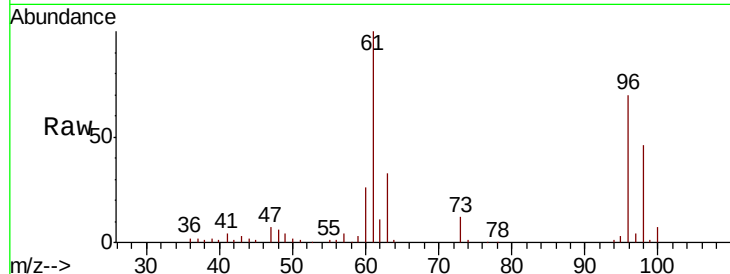




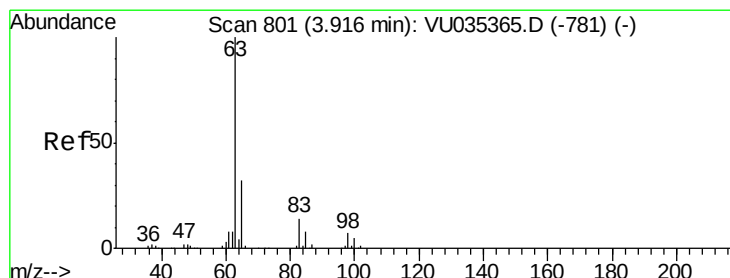
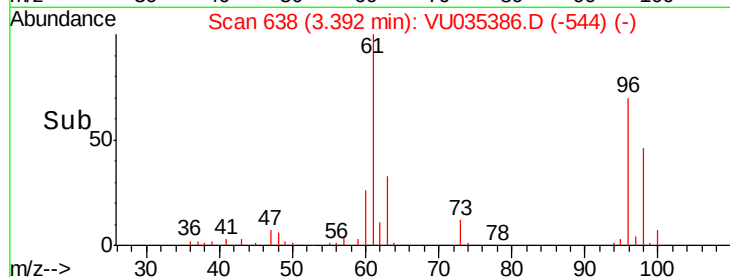
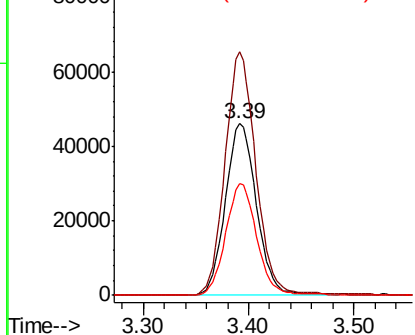
#18
trans-1,2-Dichloroethene
Concen: 5.480 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035386.D
Acq: 23 Oct 2019 00:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 94291
Ion Ratio Lower Upper
96 100
61 142.0 93.0 172.6
98 65.4 43.7 81.1

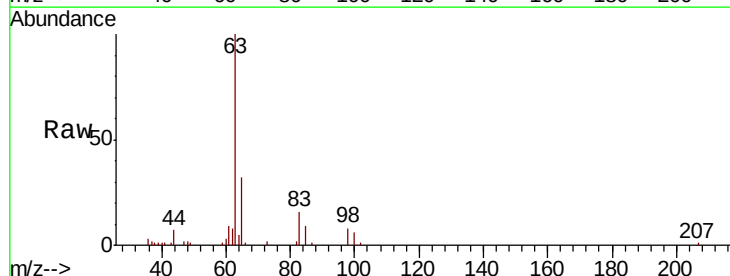


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

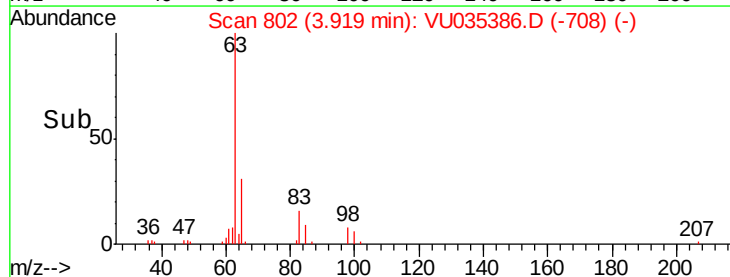
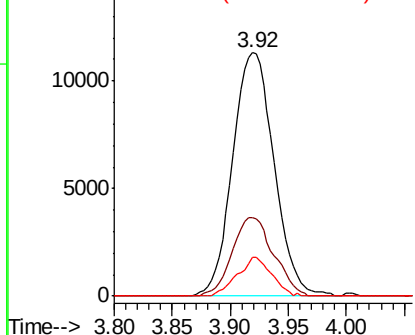


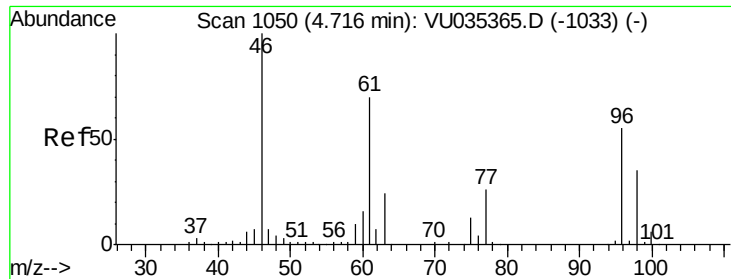
#19
1,1-Dichloroethane
Concen: 0.905 ug/L
RT: 3.92 min Scan# 802
Delta R.T. 0.00 min
Lab File: VU035386.D
Acq: 23 Oct 2019 00:36

Tgt Ion: 63 Resp: 28159
Ion Ratio Lower Upper
63 100
65 32.3 22.4 41.6
83 15.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 1.309 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035386.D

Acq: 23 Oct 2019 00:36

Instrument :
MSVOA_U
ClientSampleId :

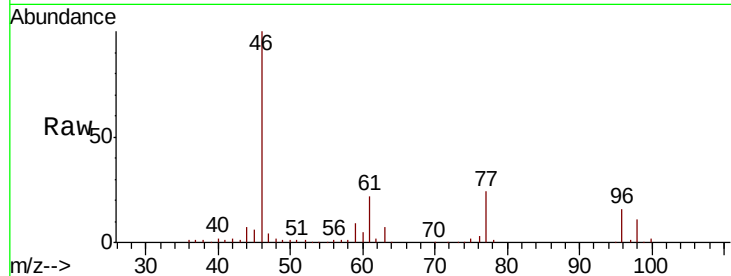
Tot Ion: 96 Resp: 24901

Ion Ratio Lower Upper

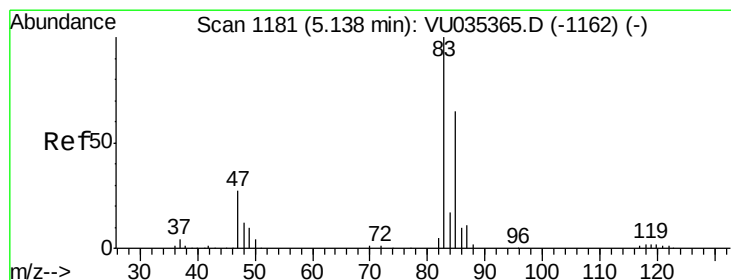
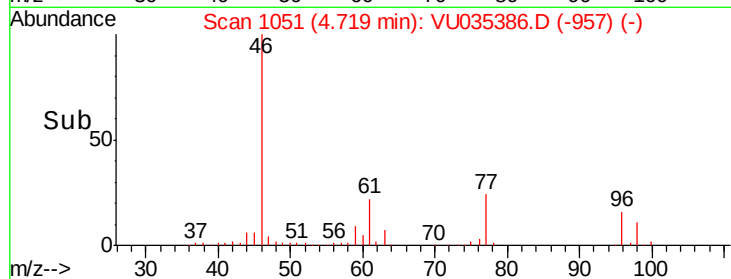
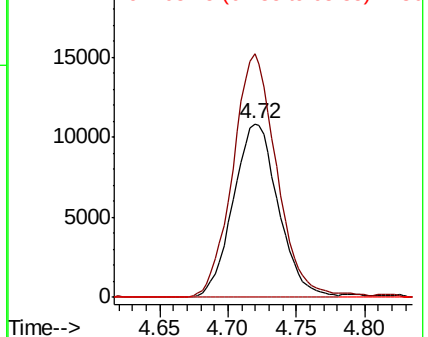
96 100

61 140.0 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



#25

Chloroform

Concen: 0.279 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035386.D

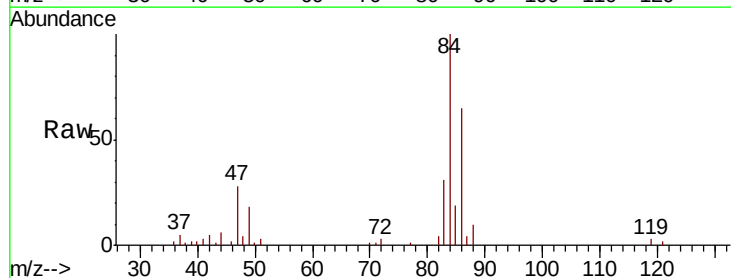
Acq: 23 Oct 2019 00:36

Tgt Ion: 83 Resp: 9517

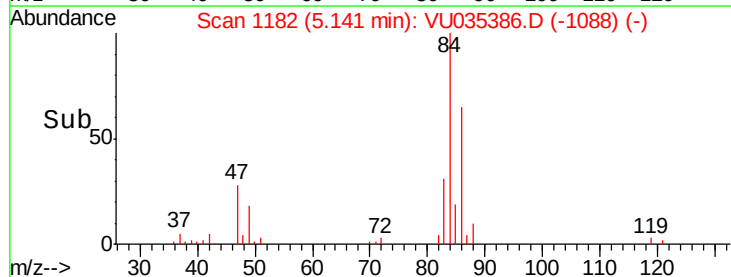
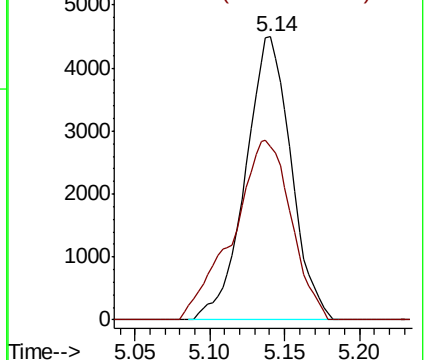
Ion Ratio Lower Upper

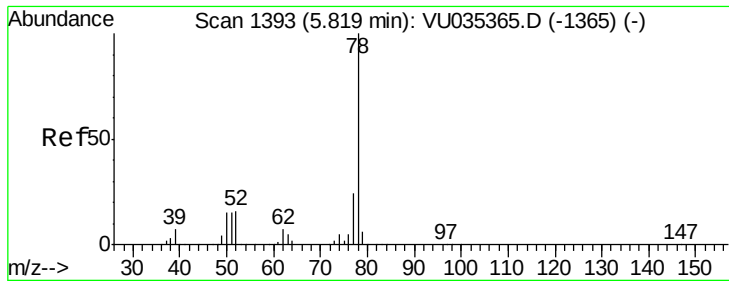
83 100

85 61.2 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

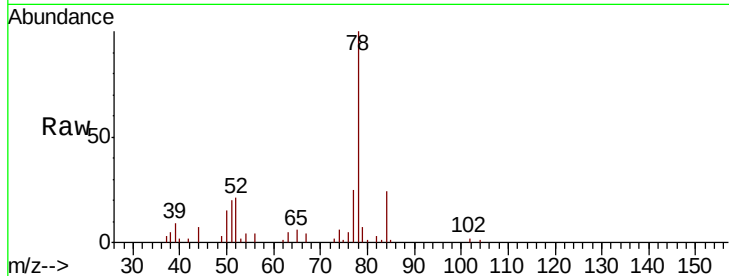




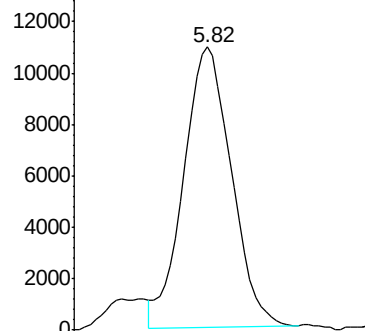
#33
Benzene
Concen: 0.292 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035386.D
Acq: 23 Oct 2019 00:36

Instrument :
MSVOA_U
ClientSampled :

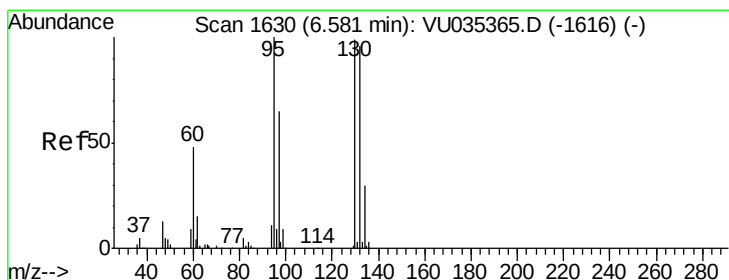
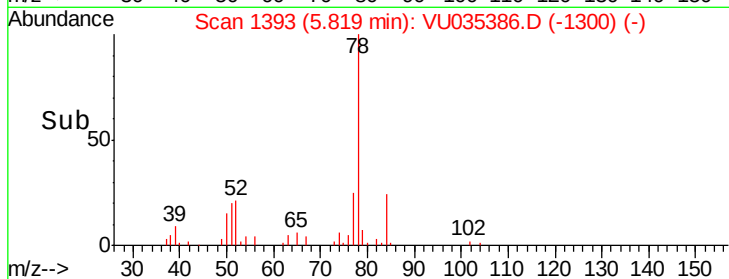
Tgt Ion: 78 Resp: 21798



Abundance Ion 78.10 (77.80 to 78.80): VU0



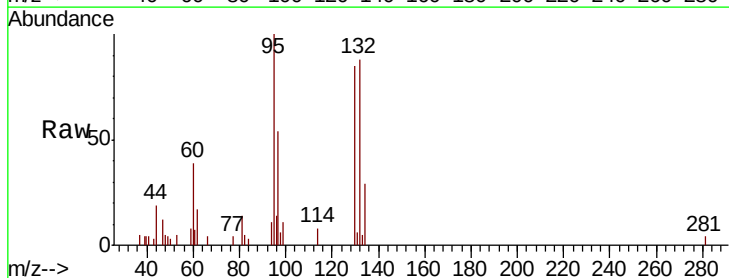
Time-->



#34
Trichloroethene
Concen: 0.351 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU035386.D
Acq: 23 Oct 2019 00:36

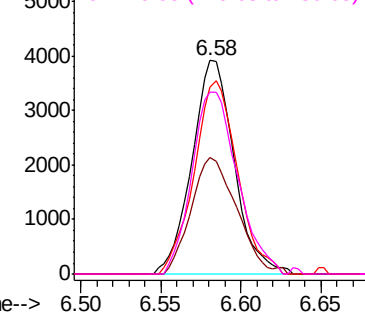
Tgt Ion: 95 Resp: 7052

Ion	Ratio	Lower	Upper
95	100		
97	54.3	46.6	86.6
132	87.7	68.7	127.7
130	85.1	73.9	137.3

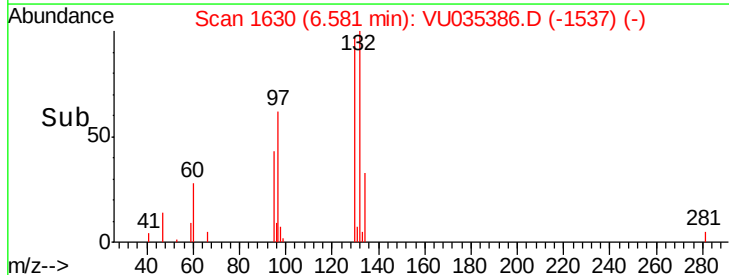


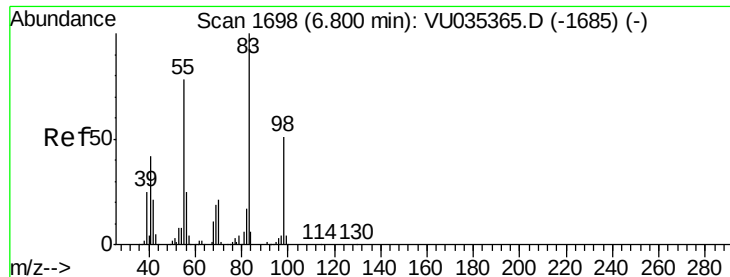
Abundance Ion 95.00 (94.70 to 95.70): VU0

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



Time-->

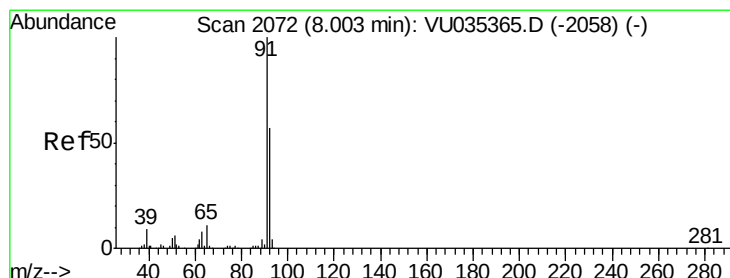
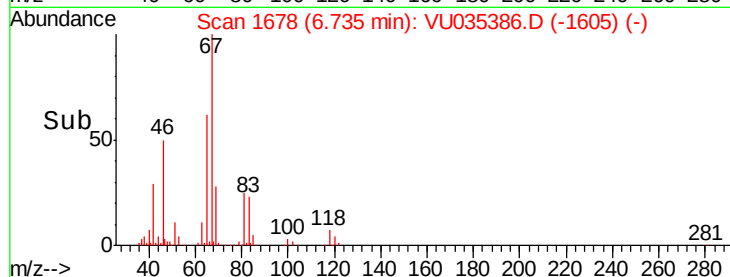
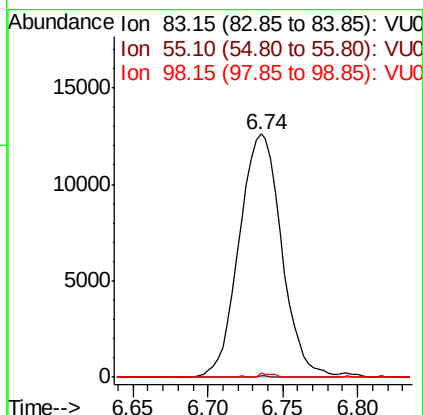
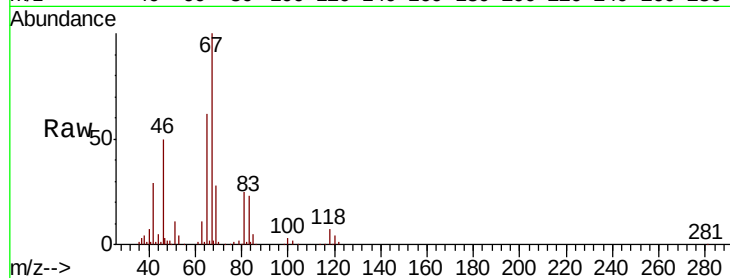




#35
Methylvlcyclohexane
Concen: 0.742 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.06 min
Lab File: VU035386.D
Acq: 23 Oct 2019 00:36

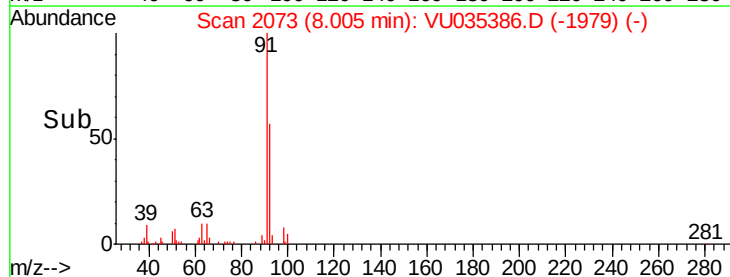
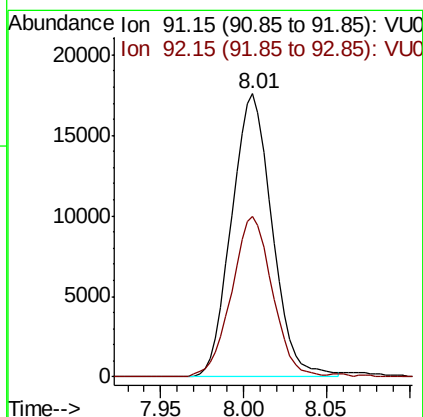
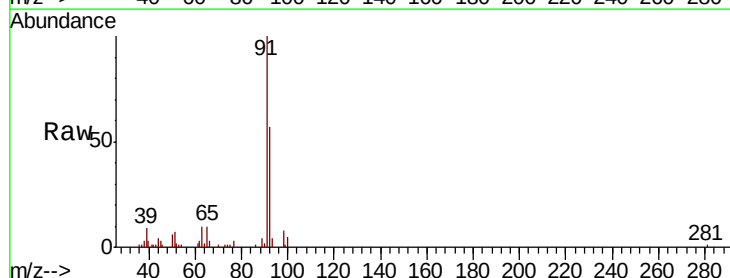
Instrument :
MSVOA_U
ClientSampleId :

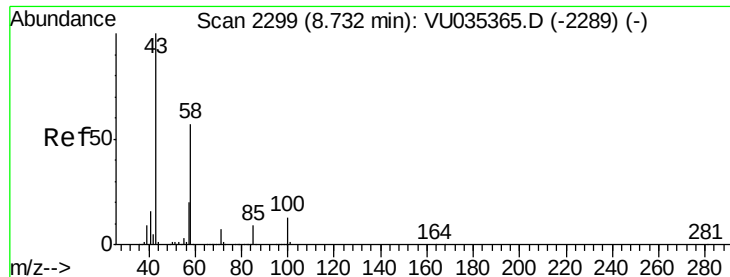
Tot Ion: 83 Resp: 24904
Ion Ratio Lower Upper
83 100
55 0.2 60.4 90.6#
98 0.6 39.5 59.3#



#42
Toluene
Concen: 0.363 ug/L
RT: 8.01 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VU035386.D
Acq: 23 Oct 2019 00:36

Tgt Ion: 91 Resp: 29891
Ion Ratio Lower Upper
91 100
92 56.6 39.9 74.1

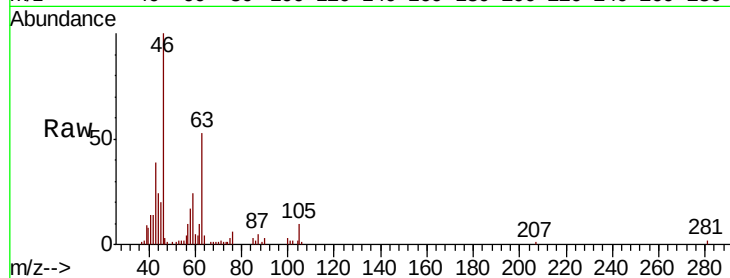




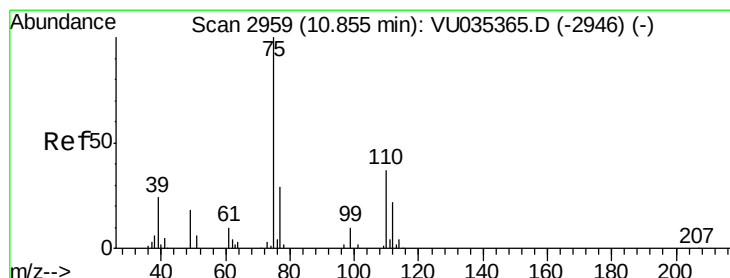
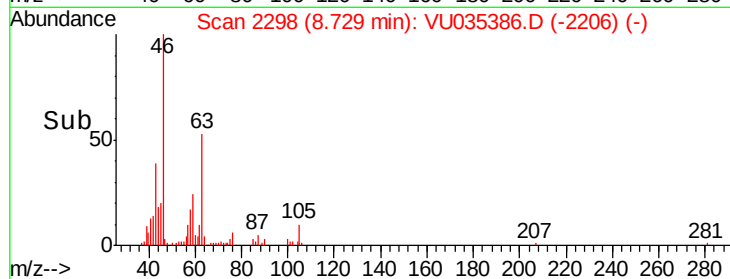
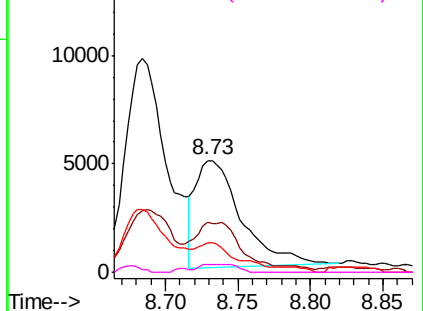
#48
 2-Hexanone
 Concen: 1.224 ug/L
 RT: 8.73 min Scan# 2298
 Delta R.T. -0.00 min
 Lab File: VU035386.D
 Acq: 23 Oct 2019 00:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 43 Resp: 10983
 Ion Ratio Lower Upper
 43 100
 58 40.4 45.1 67.7#
 57 17.4 16.0 24.0
 100 7.0 10.4 15.6#

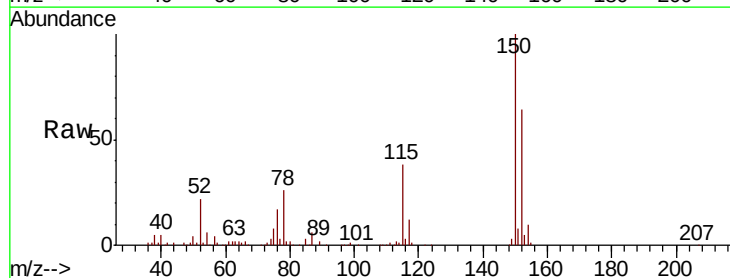


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 57.20 (56.90 to 57.90): VU0
 Ion 100.15 (99.85 to 100.85): VU0



#59
 1,2,3-Trichloropropane
 Concen: 0.893 ug/L
 RT: 11.84 min Scan# 3265
 Delta R.T. 0.98 min
 Lab File: VU035386.D
 Acq: 23 Oct 2019 00:36

Tgt Ion: 75 Resp: 11795
 Ion Ratio Lower Upper
 75 100
 77 35.1 26.2 39.2



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

