

Data File : VU035237.D
Acq On : 18 Oct 2019 02:32
Operator : JC/SP
Sample : K5419-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G41

Quant Time: Oct 18 05:40:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	351013	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	344589	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	149178	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	109473	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.93	69	99503	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.60	63	153533	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.71	46	268156	43.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.20%
24) Chloroform-d	5.11	84	197146	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	110933	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.77	84	407353	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
36) 1,2-Dichloropropane-d6	6.74	67	138440	5.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.60%
41) Toluene-d8	7.93	98	392132	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	8.22	79	51435	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.69	63	253491	47.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.68%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	109642	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	139110	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	33777	1.110 ug/L	87
12) 1,1-Dichloroethene	2.60	96	1904	0.084 ug/L #	1
13) Acetone	2.68	43	4946	1.156 ug/L	92
15) Methyl Acetate	3.07	43	8670	0.813 ug/L #	50
18) trans-1,2-Dichloroethene	3.39	96	5636	0.232 ug/L	93
22) cis-1,2-Dichloroethene	4.72	96	23846	0.887 ug/L	98
25) Chloroform	5.17	83	16738	0.347 ug/L #	28
30) Cyclohexane	5.43	56	51075	1.181 ug/L #	95
33) Benzene	5.82	78	23892	0.236 ug/L	100
35) Methylcyclohexane	6.80	83	15376	0.338 ug/L #	40
37) 1,2-Dichloropropane	6.74	63	15520	0.603 ug/L #	89
45) 1,1,2-Trichloroethane	8.40	97	23976	1.255 ug/L #	20
48) 2-Hexanone	8.74	43	13746	1.128 ug/L #	91
52) Ethylbenzene	9.60	91	104295	0.819 ug/L	99
53) m,p-Xylene	9.73	106	7209	0.150 ug/L	77
56) Isopropylbenzene	10.51	105	38796	0.308 ug/L	96
69) Naphthalene	14.09	128	6357	0.221 ug/L #	69

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101719\
Quantitation Report (Not Reviewed)

Data File : VU035237.D
Acq On : 18 Oct 2019 02:32
Operator : JC/SP
Sample : K5419-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G41

Quant Time: Oct 18 05:40:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

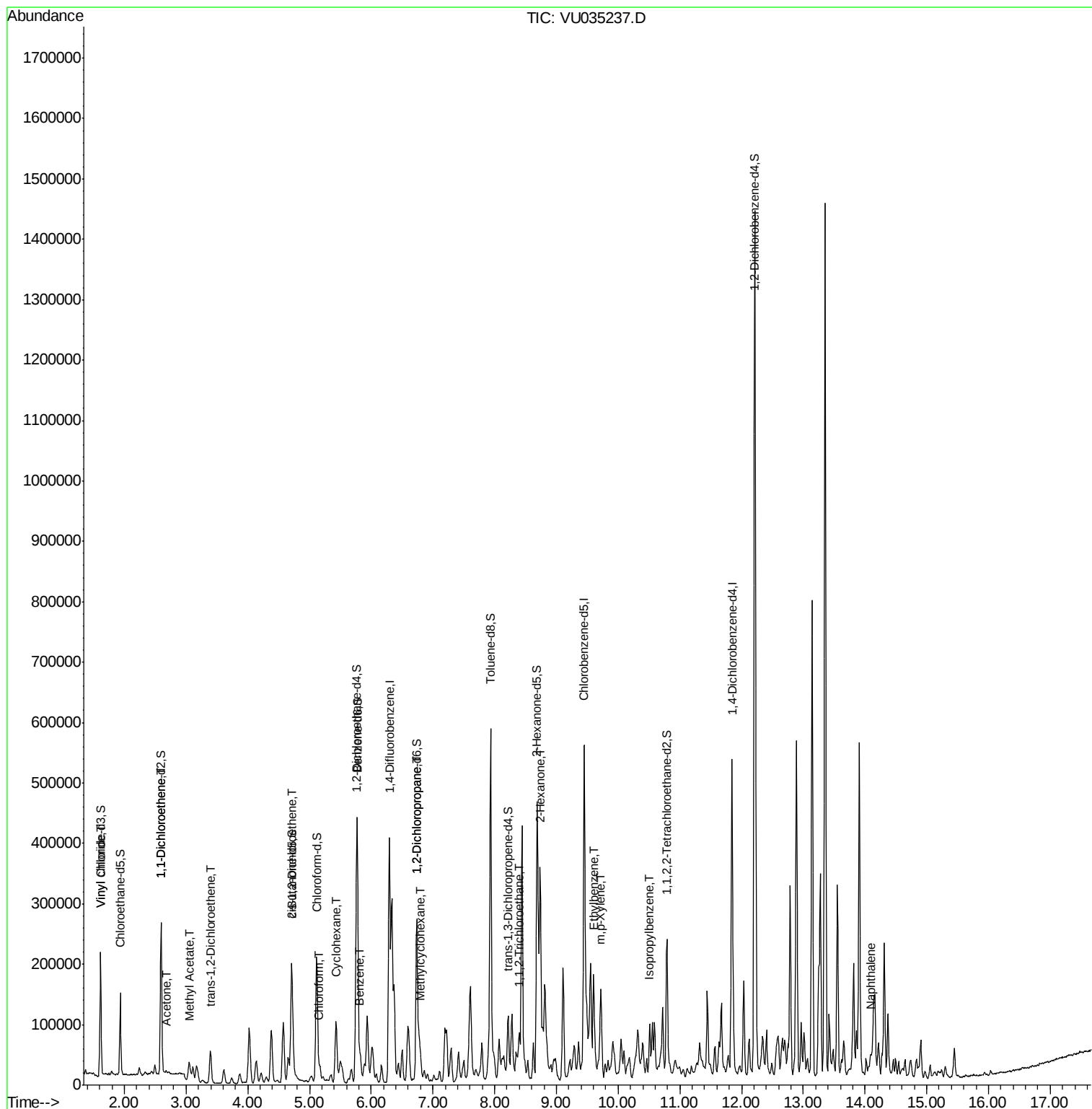
(#) = qualifier out of range (m) = manual integration (+) = signals summed

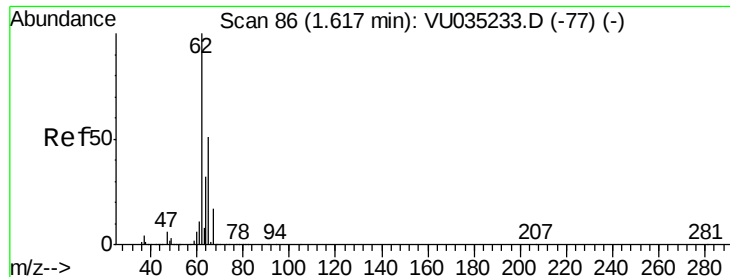
Data File : VU035237.D

```
Acq On      : 18 Oct 2019   02:32
Operator    : JC/SP
Sample      : K5419-06
Misc       : 25.0mL/MSVOA_U/WATER
ALS Vial    : 41      Sample Multiplier: 1
```

Instrument :
MSVOA_U
ClientSampleId :
H0G41

Quant Time: Oct 18 05:40:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 05:36:44 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.110 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA_U

ClientSampleId :

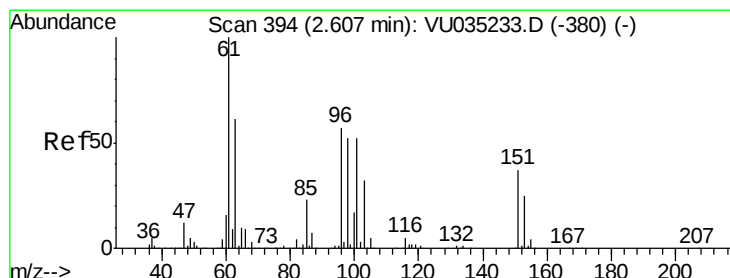
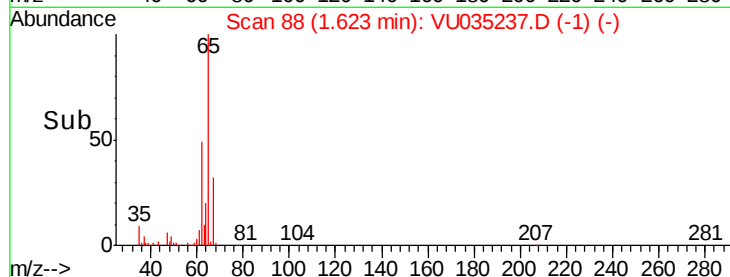
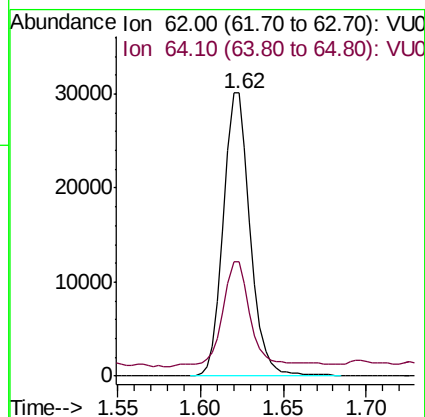
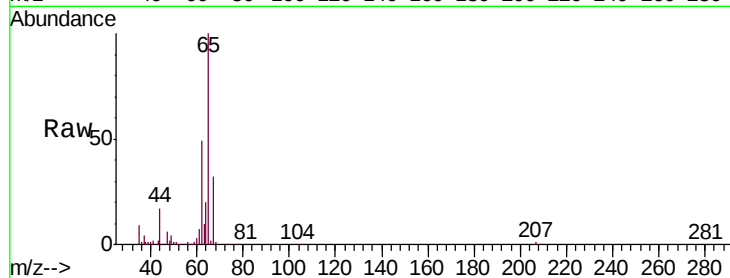
H0G41

Tgt Ion: 62 Resp: 33777

Ion Ratio Lower Upper

62 100

64 40.2 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.084 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

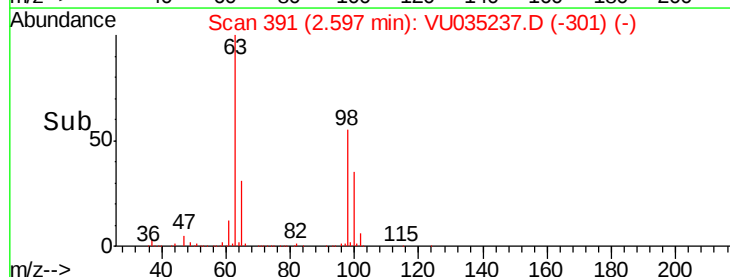
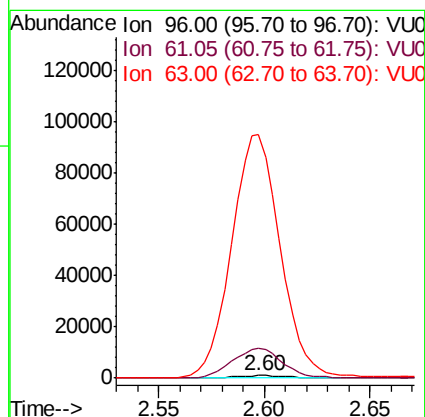
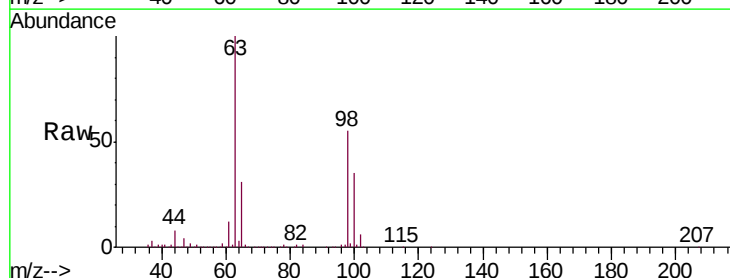
Tgt Ion: 96 Resp: 1904

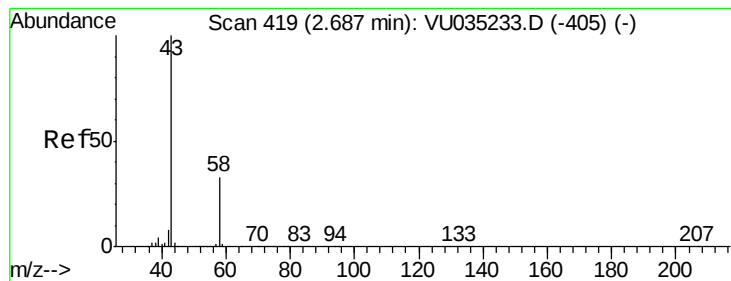
Ion Ratio Lower Upper

96 100

61 1150.7 120.6 224.0#

63 9378.7 86.8 161.2#





#13

Acetone

Concen: 1.156 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA_U

ClientSampleId :

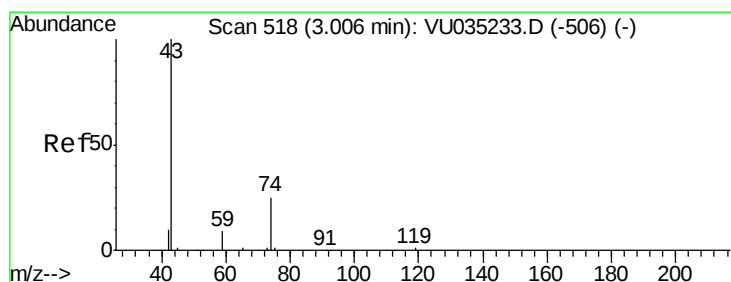
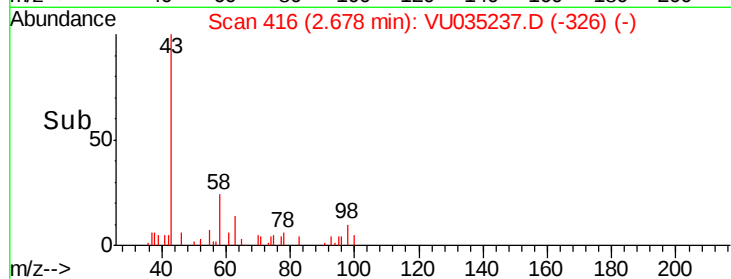
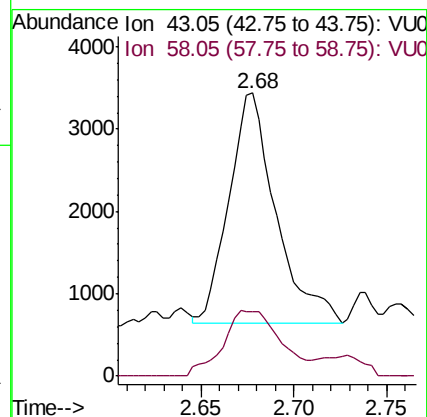
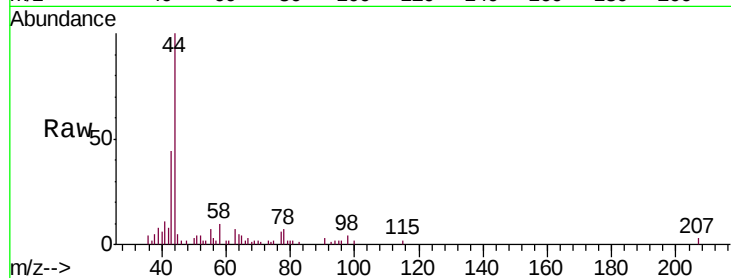
H0G41

Tgt Ion: 43 Resp: 4946

Ion Ratio Lower Upper

43 100

58 35.2 0.0 61.8



#15

Methyl Acetate

Concen: 0.813 ug/L

RT: 3.07 min Scan# 538

Delta R.T. 0.06 min

Lab File: VU035237.D

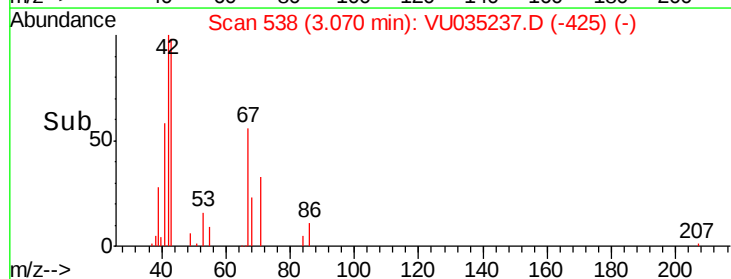
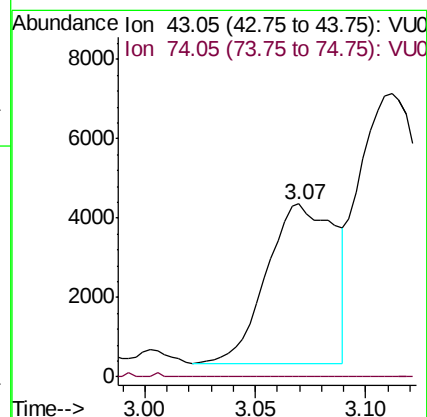
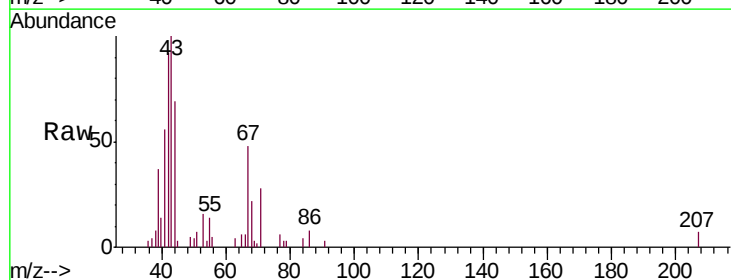
Acq: 18 Oct 2019 02:32

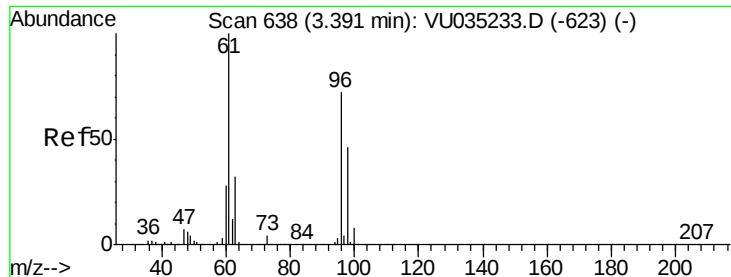
Tgt Ion: 43 Resp: 8670

Ion Ratio Lower Upper

43 100

74 0.2 20.3 30.5#

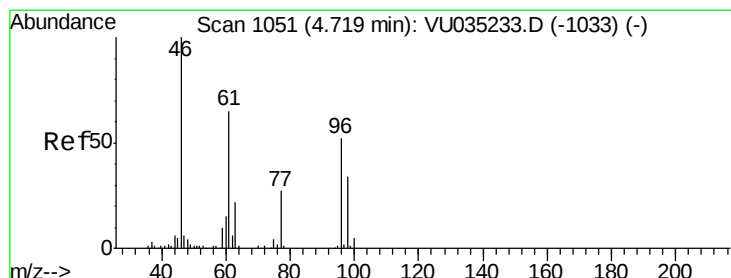
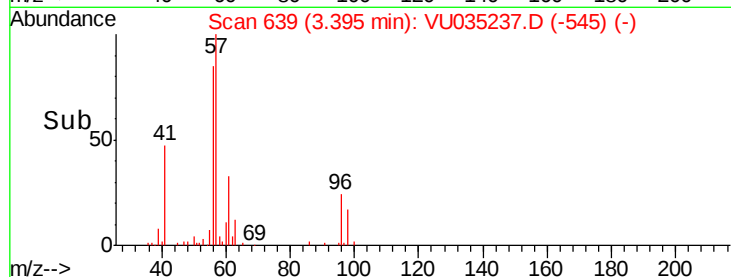
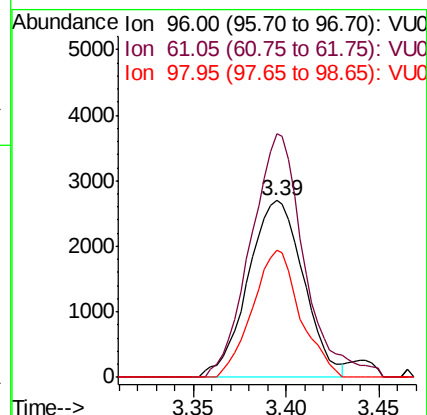
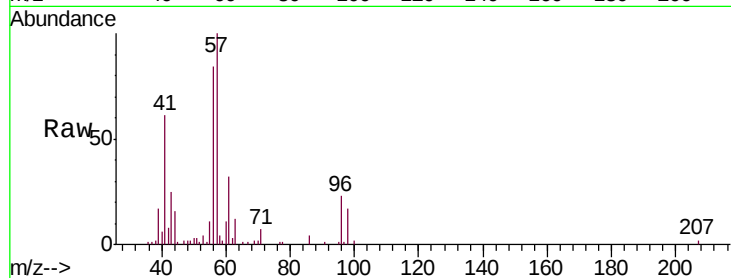




#18
 trans-1,2-Dichloroethene
 Concen: 0.232 ug/L
 RT: 3.39 min Scan# 639
 Delta R.T. 0.00 min
 Lab File: VU035237.D
 Acq: 18 Oct 2019 02:32

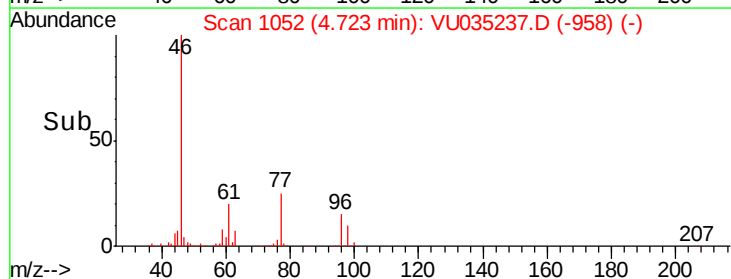
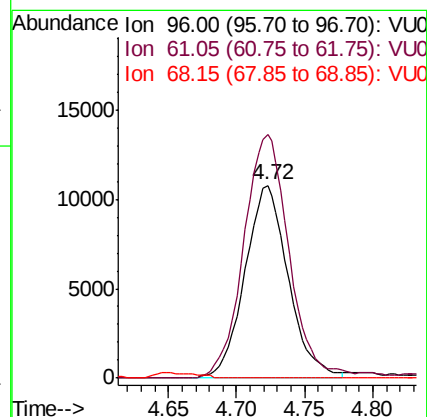
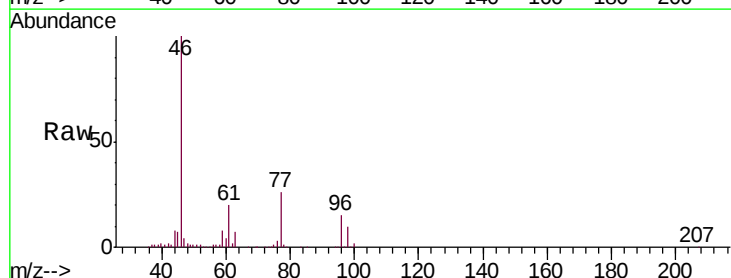
Instrument :
 MSVOA_U
 ClientSampleID :
 H0G41

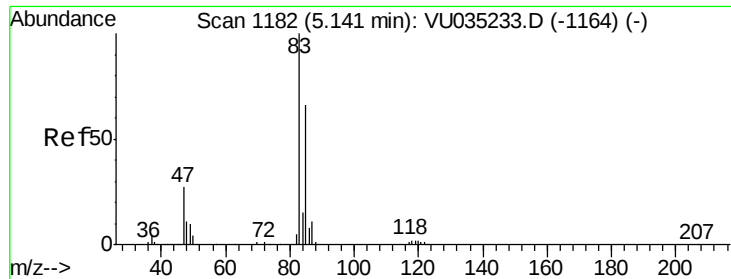
Tgt Ion: 96 Resp: 5636
 Ion Ratio Lower Upper
 96 100
 61 137.7 93.0 172.6
 98 71.5 43.7 81.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.887 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VU035237.D
 Acq: 18 Oct 2019 02:32

Tgt Ion: 96 Resp: 23846
 Ion Ratio Lower Upper
 96 100
 61 126.2 89.7 166.5
 68 0.0 0.0 0.0

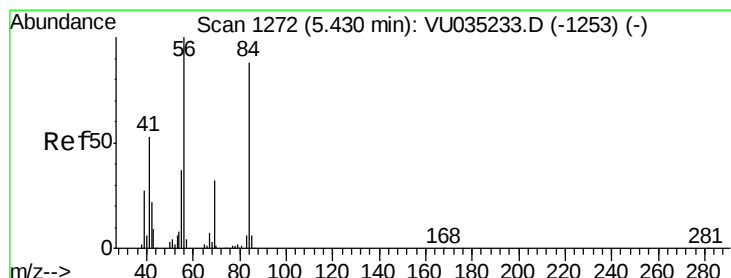
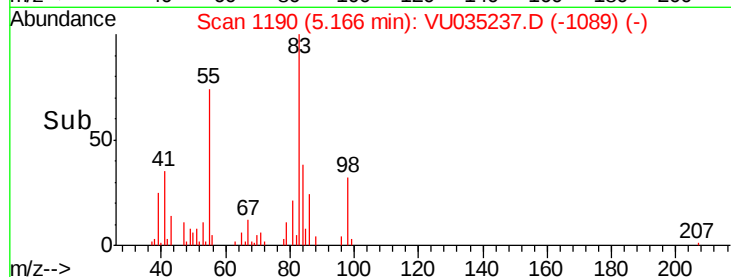
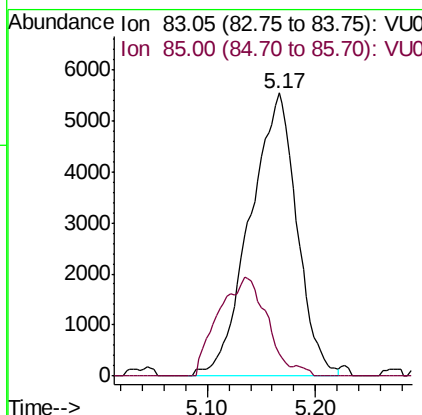
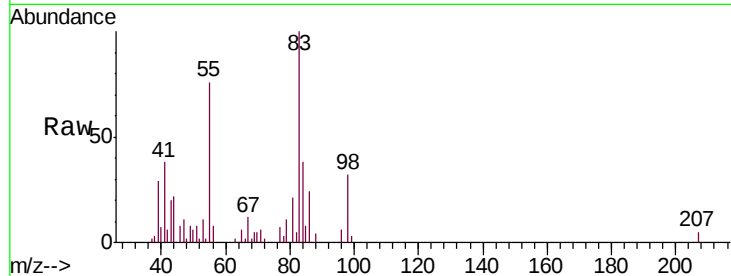




#25
Chloroform
Concen: 0.347 ug/L
RT: 5.17 min Scan# 1190
Delta R.T. 0.03 min
Lab File: VU035237.D
Acq: 18 Oct 2019 02:32

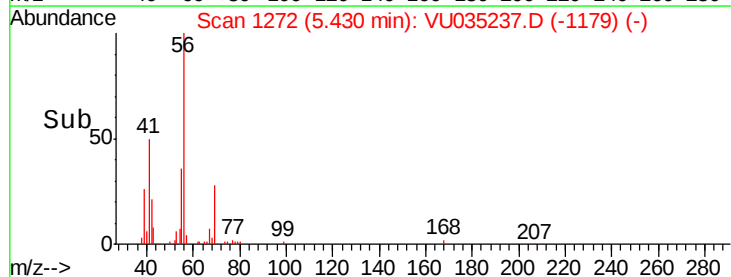
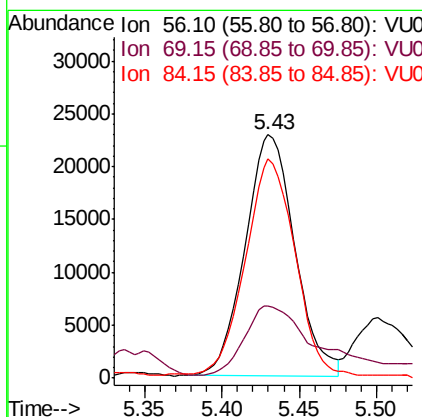
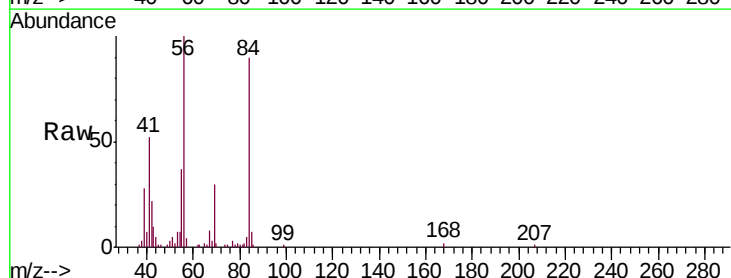
Instrument :
MSVOA_U
ClientSampled :
H0G41

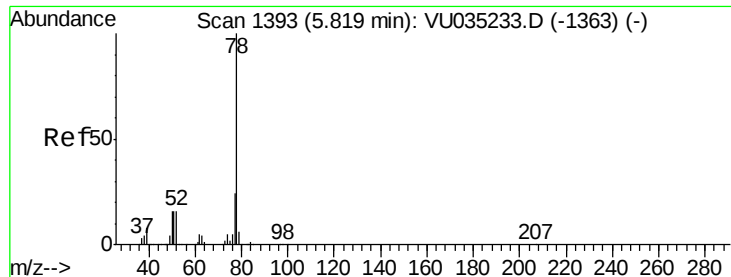
Tgt Ion: 83 Resp: 16738
Ion Ratio Lower Upper
83 100
85 8.0 45.1 83.9#



#30
Cyclohexane
Concen: 1.181 ug/L
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035237.D
Acq: 18 Oct 2019 02:32

Tgt Ion: 56 Resp: 51075
Ion Ratio Lower Upper
56 100
69 41.7 24.6 36.8#
84 89.2 71.5 107.3





#33

Benzene

Concen: 0.236 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

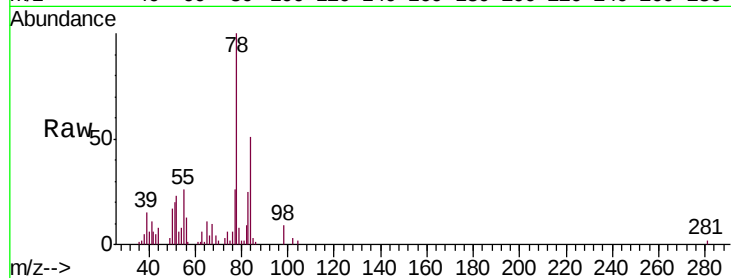
Instrument :

MSVOA_U

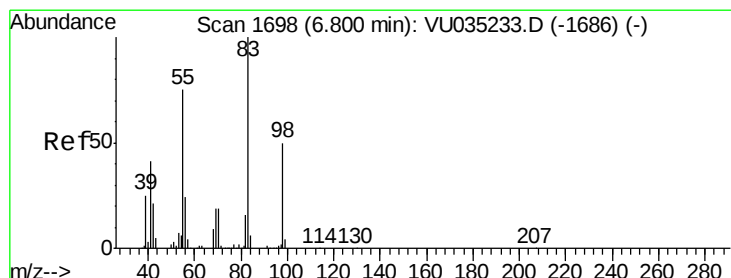
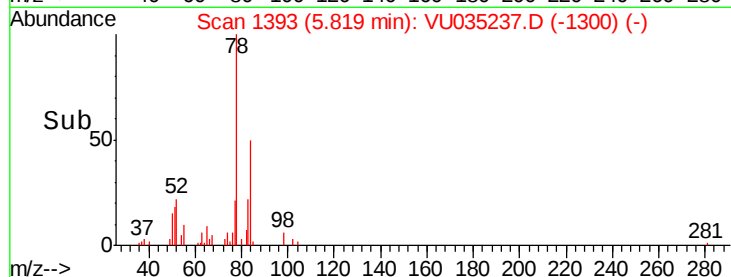
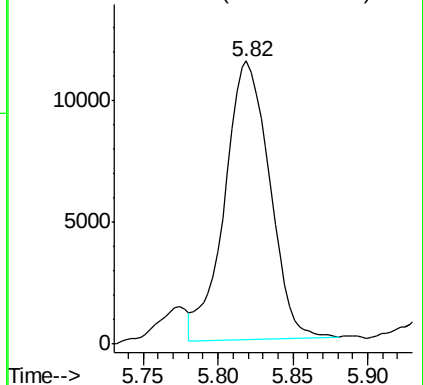
ClientSampleId :

H0G41

Tgt Ion: 78 Resp: 23892



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.338 ug/L

RT: 6.80 min Scan# 1698

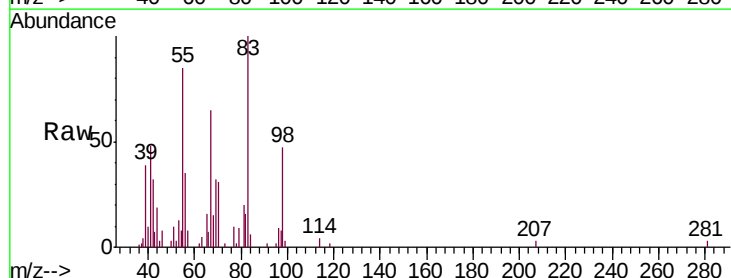
Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Tgt Ion: 83 Resp: 15376

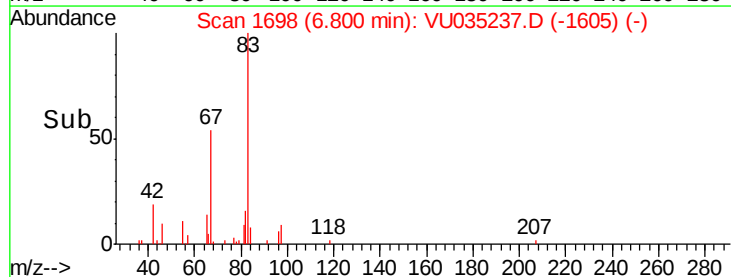
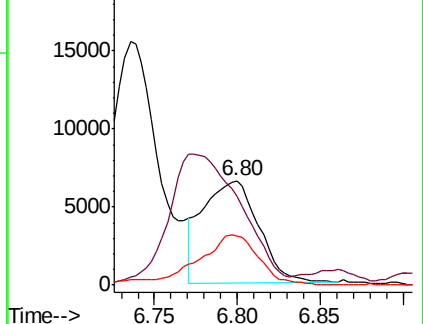
Ion	Ratio	Lower	Upper
83	100		
55	157.8	60.4	90.6#
98	51.9	39.5	59.3

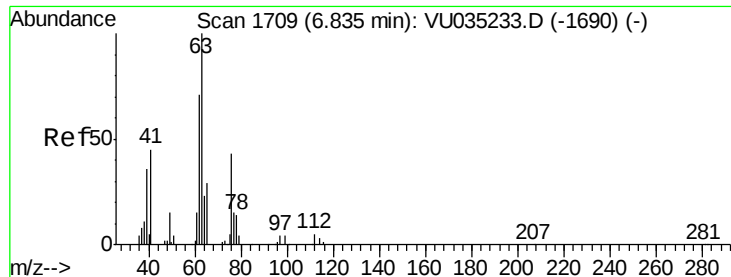


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.603 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA_U

ClientSampleId :

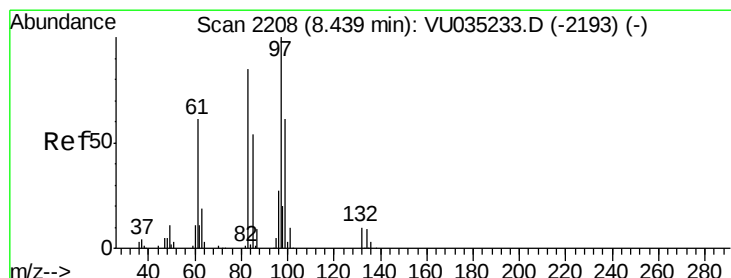
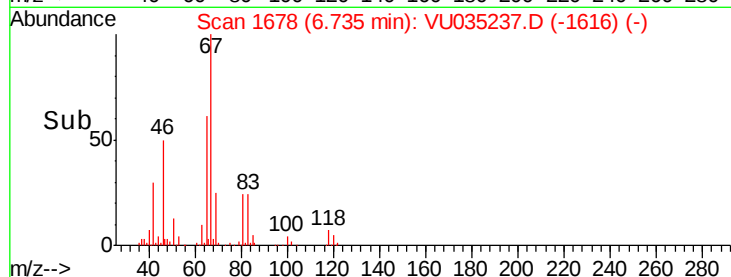
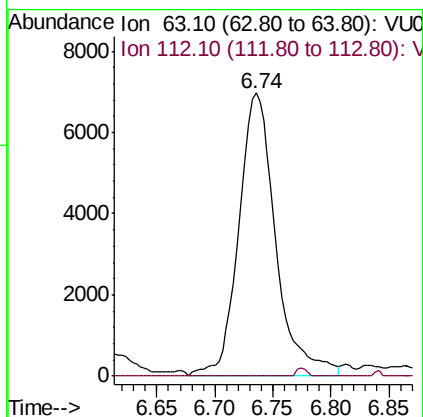
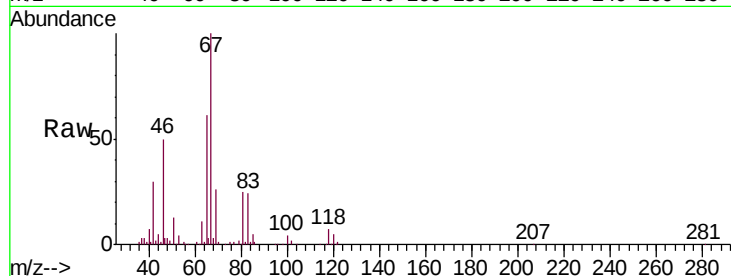
H0G41

Tgt Ion: 63 Resp: 15520

Ion Ratio Lower Upper

63 100

112 0.8 3.7 5.5#



#45

1,1,2-Trichloroethane

Concen: 1.255 ug/L

RT: 8.40 min Scan# 2196

Delta R.T. -0.04 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Tgt Ion: 97 Resp: 23976

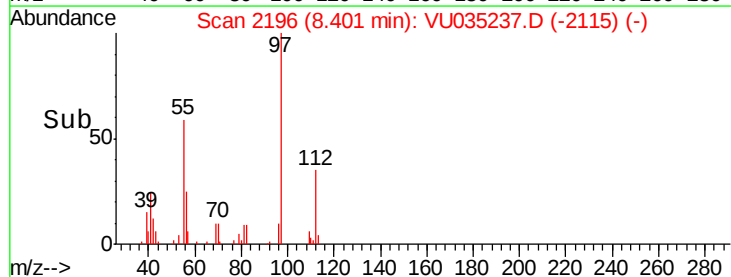
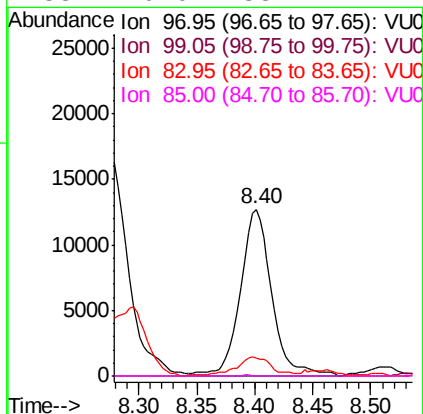
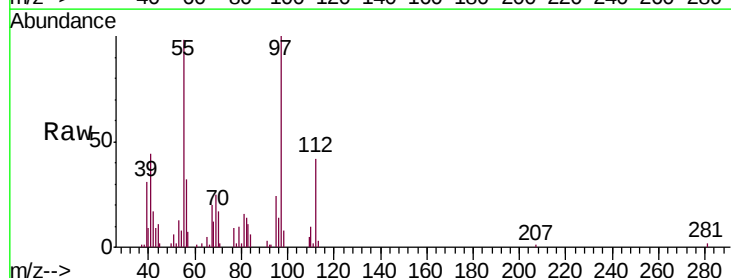
Ion Ratio Lower Upper

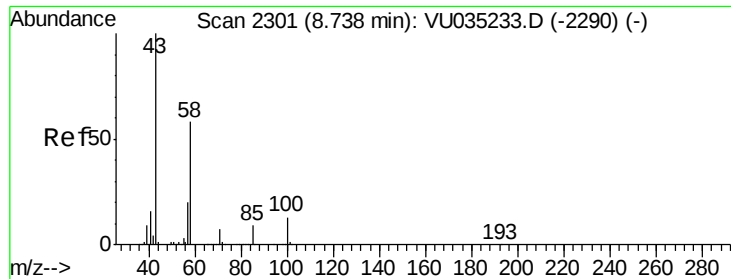
97 100

99 0.0 42.9 79.7#

83 10.8 60.4 112.2#

85 0.0 38.4 71.2#

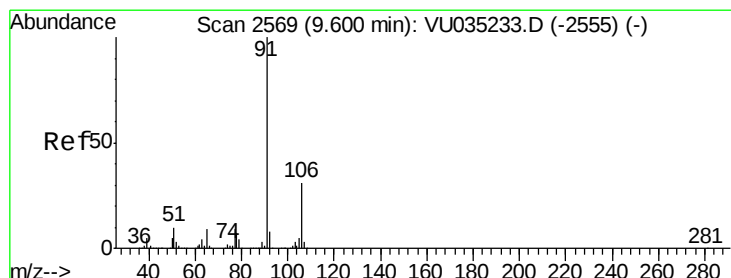
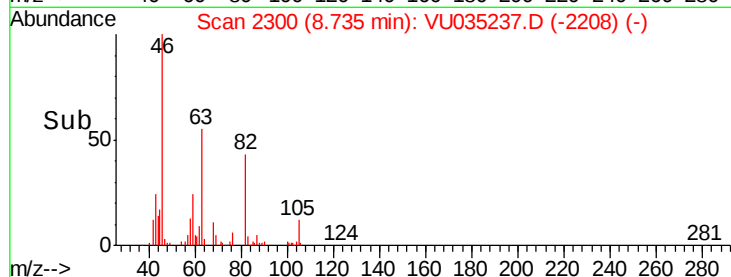
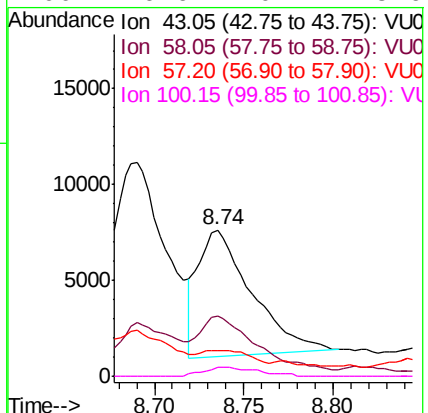
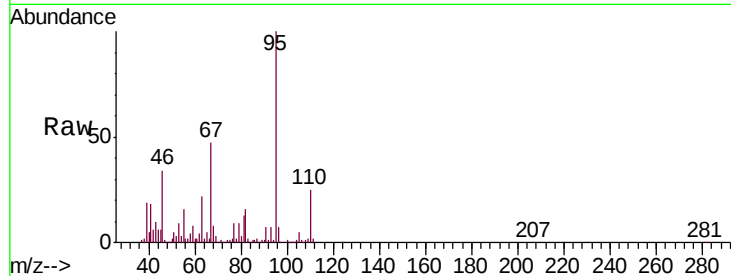




#48
2-Hexanone
Concen: 1.128 ug/L
RT: 8.74 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VU035237.D
Acq: 18 Oct 2019 02:32

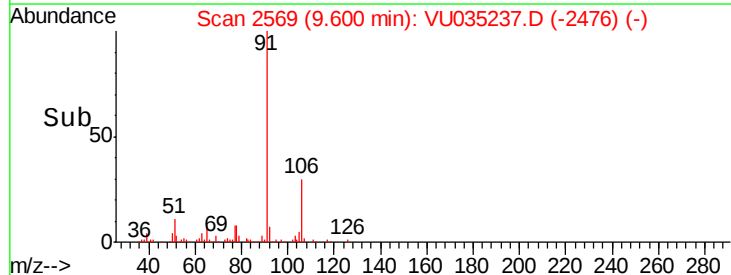
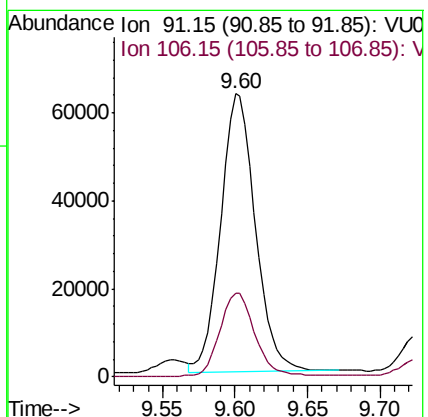
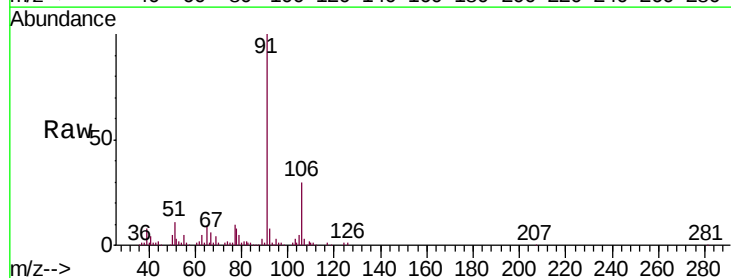
Instrument :
MSVOA_U
ClientSampleId :
H0G41

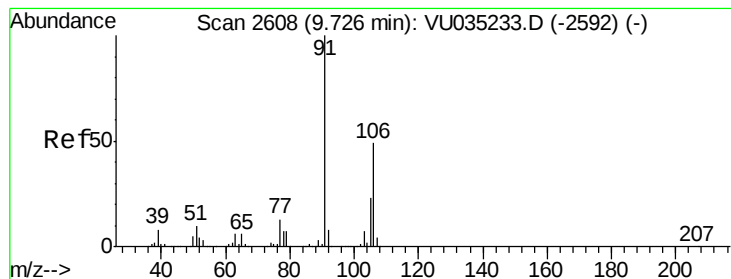
Tgt Ion: 43 Resp: 13746
Ion Ratio Lower Upper
43 100
58 54.8 45.1 67.7
57 8.9 16.0 24.0#
100 6.6 10.4 15.6#



#52
Ethylbenzene
Concen: 0.819 ug/L
RT: 9.60 min Scan# 2569
Delta R.T. 0.00 min
Lab File: VU035237.D
Acq: 18 Oct 2019 02:32

Tgt Ion: 91 Resp: 104295
Ion Ratio Lower Upper
91 100
106 29.8 21.3 39.6





#53

m,p-Xylene

Concen: 0.150 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

Instrument :

MSVOA_U

ClientSampleId :

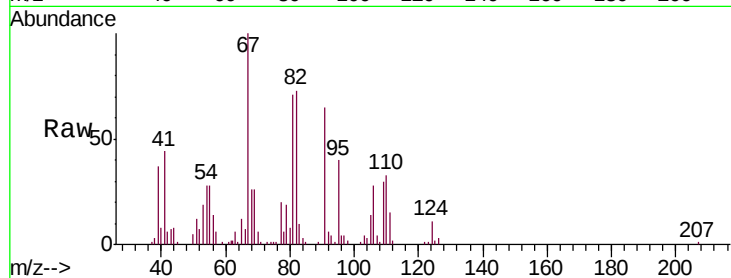
H0G41

Tgt Ion:106 Resp: 7209

Ion Ratio Lower Upper

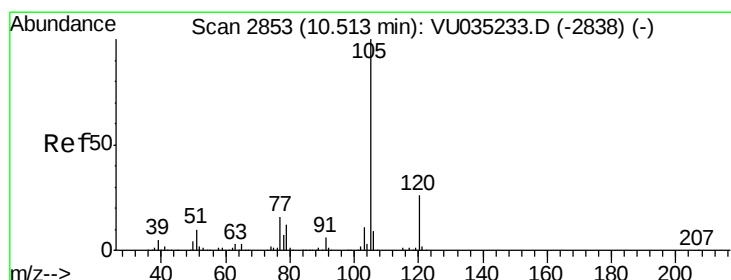
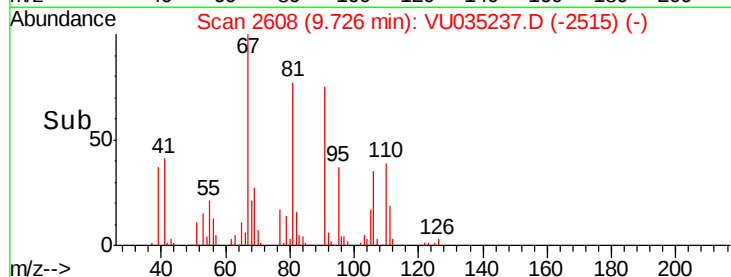
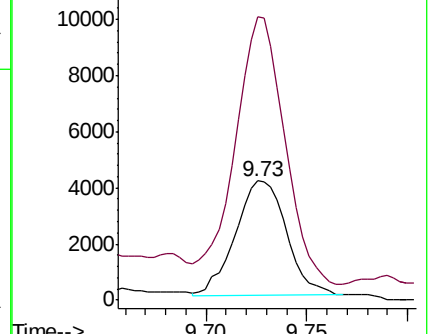
106 100

91 237.4 142.0 263.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 0.308 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035237.D

Acq: 18 Oct 2019 02:32

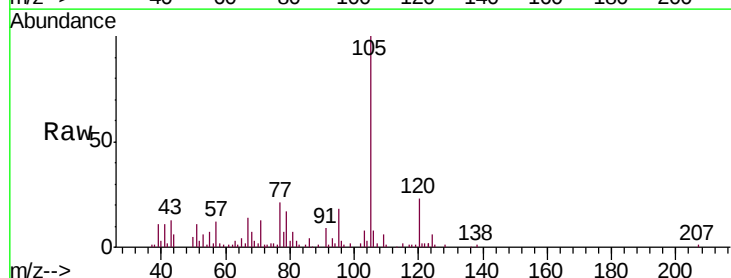
Tgt Ion:105 Resp: 38796

Ion Ratio Lower Upper

105 100

120 23.9 21.0 31.6

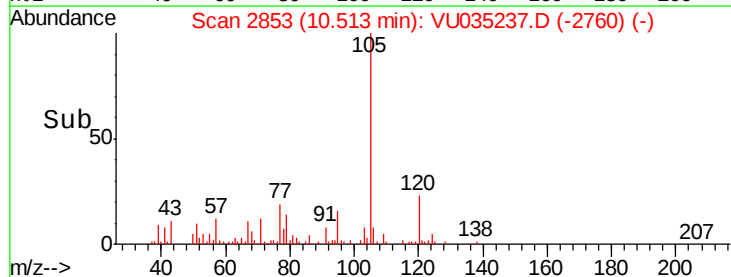
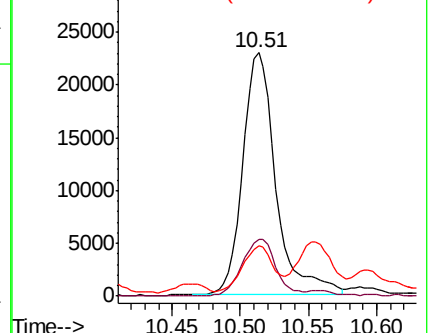
77 17.3 12.6 19.0

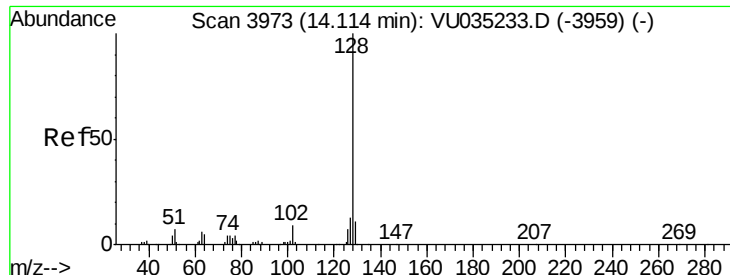


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#69

Naphthalene

Concen: 0.221 ug/L

RT: 14.09 min Scan# 3964

Delta R.T. -0.03 min

Lab File: VU035237.D

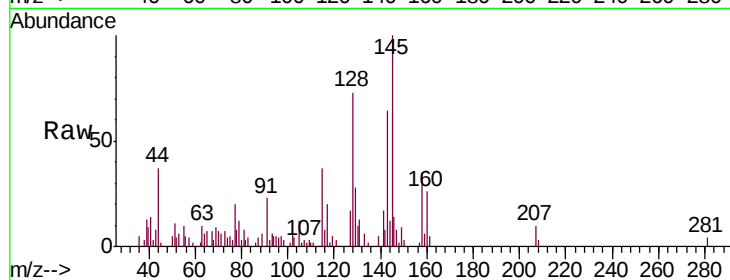
Acq: 18 Oct 2019 02:32

Instrument :

MSVOA_U

ClientSampleId :

H0G41



Tgt Ion:128 Resp: 6357

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 26.6 10.7 16.1#

