

Data File : VU033035.D
Acq On : 25 Jun 2019 02:44
Operator : JC/SP
Sample : K3496-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF60

Quant Time: Jun 25 07:01:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194130	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189133	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91142	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60738	45.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.56%
7) Chloroethane-d5	1.68	69	52542	49.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.32%
11) 1,1-Dichloroethene-d2	2.26	63	98066	36.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.38%
21) 2-Butanone-d5	4.17	46	117414	106.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.33%
24) Chloroform-d	4.64	84	130142	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.92%
26) 1,2-Dichloroethane-d4	5.30	65	90273	52.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.10%
32) Benzene-d6	5.33	84	251819	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.16%
36) 1,2-Dichloropropane-d6	6.32	67	81419	51.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.68%
41) Toluene-d8	7.56	98	225853	48.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.84%
43) trans-1,3-Dichloropropene-	7.85	79	36612	44.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.62%
47) 2-Hexanone-d5	8.31	63	69299	94.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.49%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116887	48.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	89575	50.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.58%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	5294	3.003	ug/L #	73
8) Chloroethane	1.40	64	2629	2.591	ug/L #	75
12) 1,1-Dichloroethene	2.27	96	1349	1.103	ug/L #	1
13) Acetone	2.32	43	3230	2.118	ug/L	90
15) Methyl Acetate	2.45	43	3238	1.873	ug/L #	53
17) trans-1,2-Dichloroethene	2.97	96	590	0.445	ug/L	83
20) cis-1,2-Dichloroethene	4.22	96	78392	54.280	ug/L	94
34) Trichloroethene	6.18	95	94908	65.195	ug/L	96
35) Methylcyclohexane	6.32	83	18784	8.348	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	9718	6.502	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2791	1.199	ug/L	88
44) trans-1,3-Dichloropropene	7.85	75	1841	0.842	ug/L #	77
48) 2-Hexanone	8.36	43	3954	1.878	ug/L #	62
59) 1,2,3-Trichloropropane	11.48	75	11839	5.936	ug/L	89

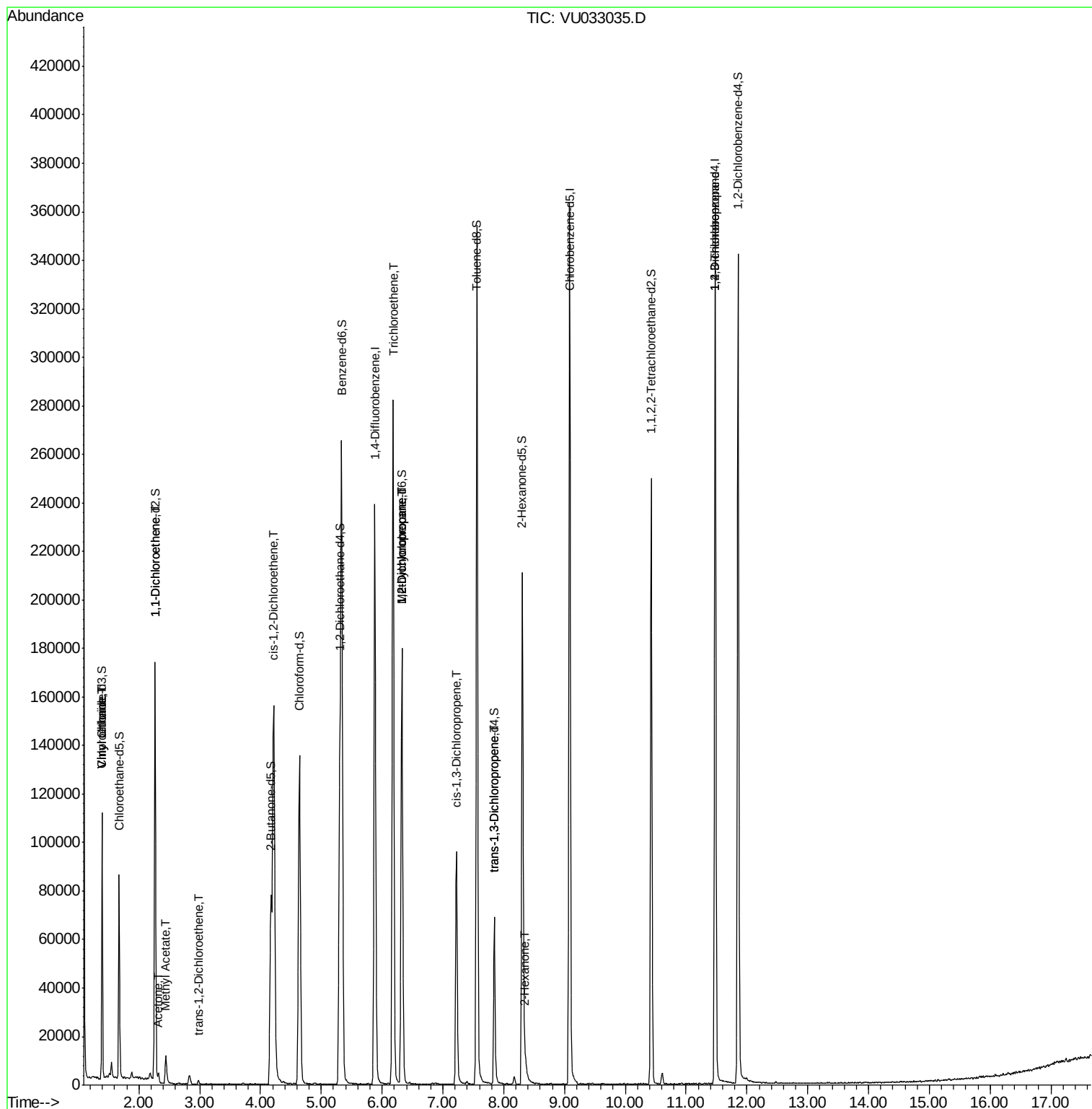
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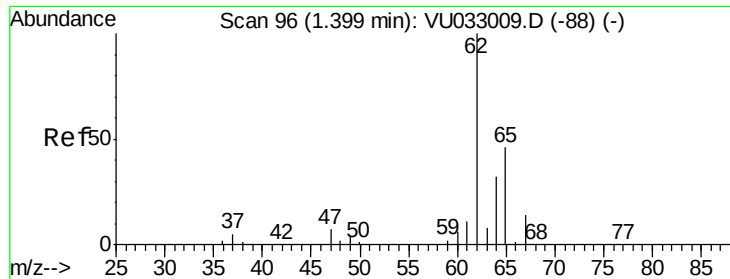
Data File : VU033035.D

```
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Quant Title : VOC Analysis
QLast Update : Tue Jun 25 06:54:49 2019
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#5

Vinyl chloride

Concen: 3.003 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033035.D

Acq: 25 Jun 2019 02:44

Instrument :

MSVOA_U

ClientSampleId :

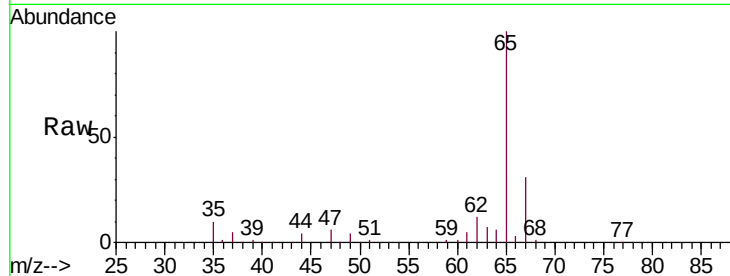
ETF60

Tgt Ion: 62 Resp: 5294

Ion Ratio Lower Upper

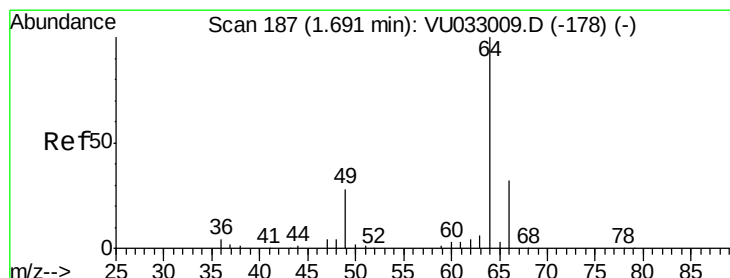
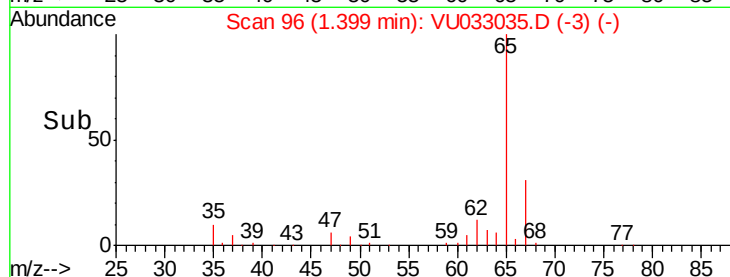
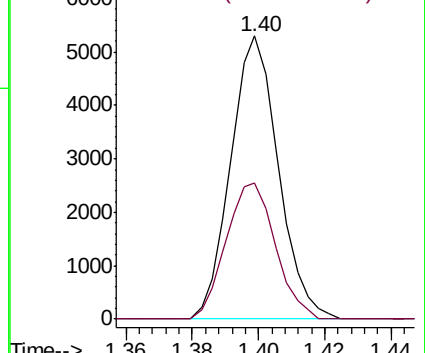
62 100

64 47.9 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 2.591 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033035.D

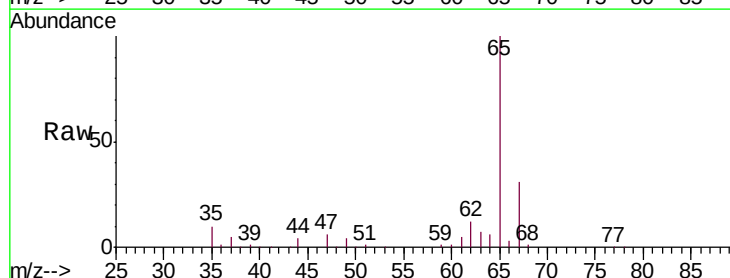
Acq: 25 Jun 2019 02:44

Tgt Ion: 64 Resp: 2629

Ion Ratio Lower Upper

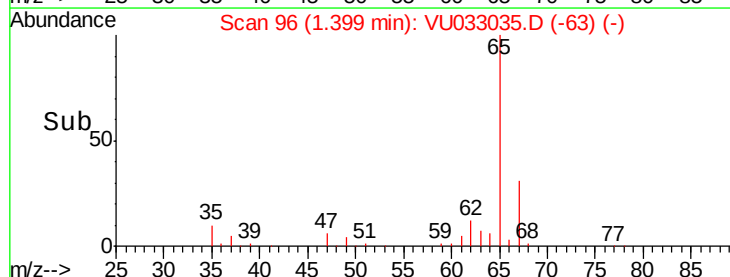
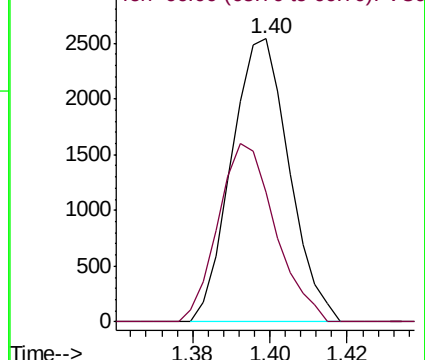
64 100

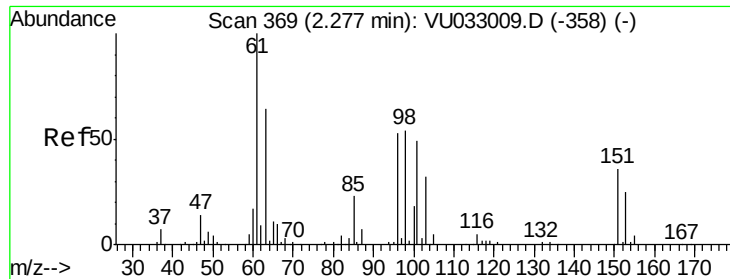
66 45.9 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

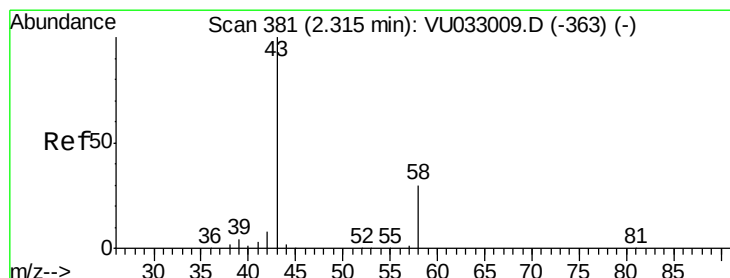
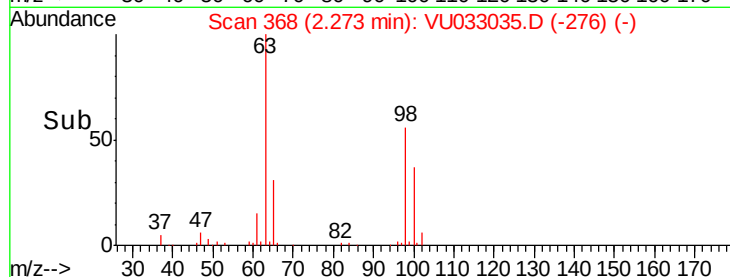
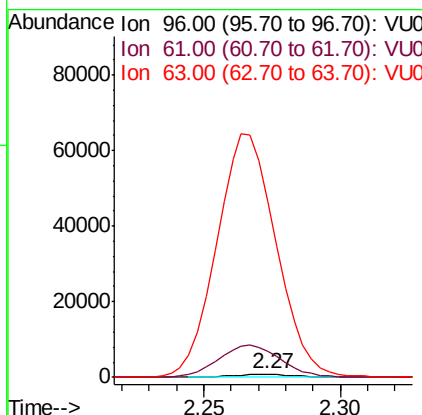
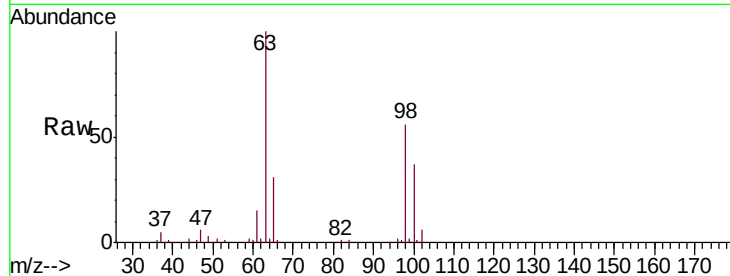




#12
 1,1-Dichloroethene
 Concen: 1.103 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033035.D
 Acq: 25 Jun 2019 02:44

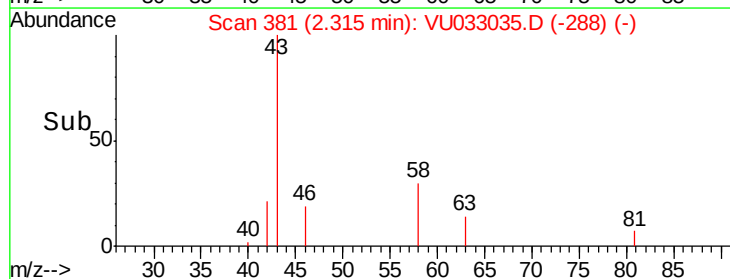
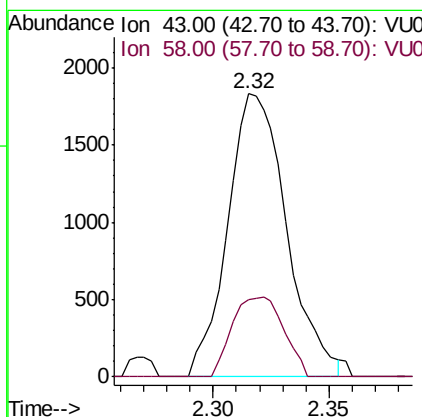
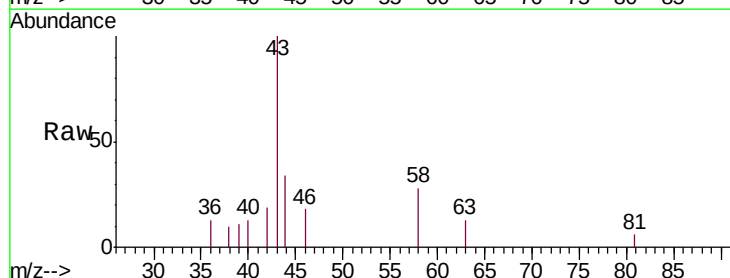
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF60

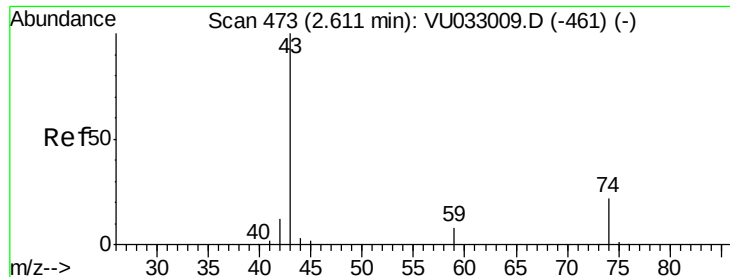
Tgt Ion: 96 Resp: 1349
 Ion Ratio Lower Upper
 96 100
 61 871.5 131.0 243.4#
 63 5811.2 101.0 187.6#



#13
 Acetone
 Concen: 2.118 ug/L
 RT: 2.32 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VU033035.D
 Acq: 25 Jun 2019 02:44

Tgt Ion: 43 Resp: 3230
 Ion Ratio Lower Upper
 43 100
 58 24.6 0.0 60.6





#15

Methyl Acetate

Concen: 1.873 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.16 min

Lab File: VU033035.D

Acq: 25 Jun 2019 02:44

Instrument :

MSVOA_U

ClientSampleId :

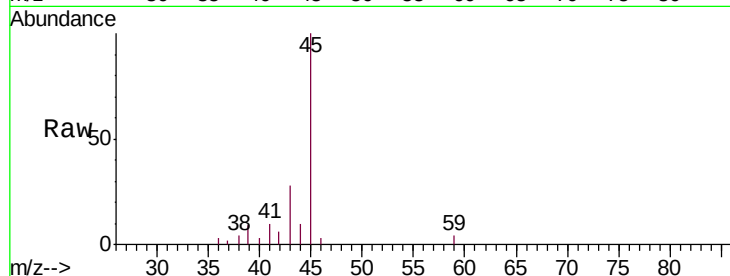
ETF60

Tgt Ion: 43 Resp: 3238

Ion Ratio Lower Upper

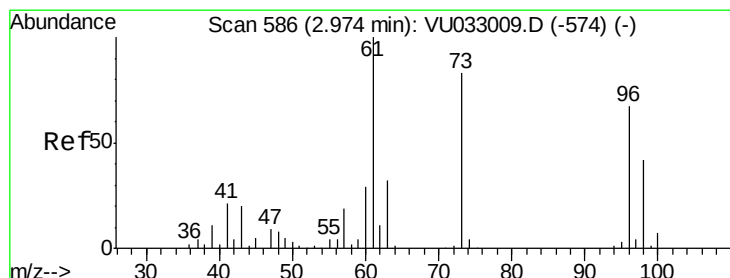
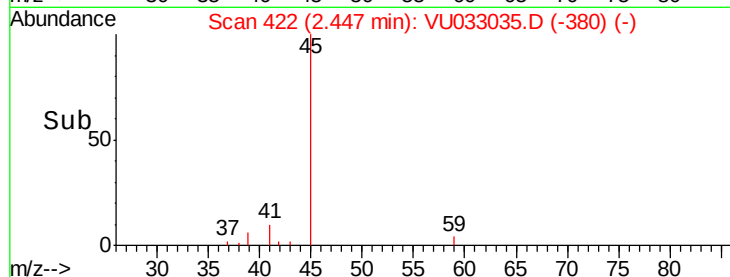
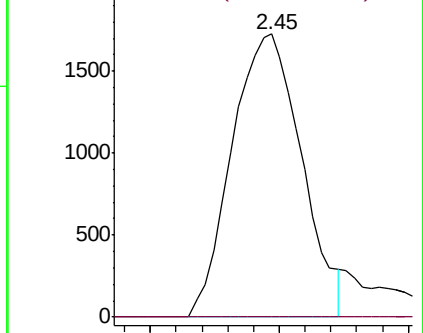
43 100

74 0.0 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU033009.D (-461) (-)

Ion 74.00 (73.70 to 74.70): VU033009.D (-461) (-)



#17

trans-1,2-Dichloroethene

Concen: 0.445 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU033035.D

Acq: 25 Jun 2019 02:44

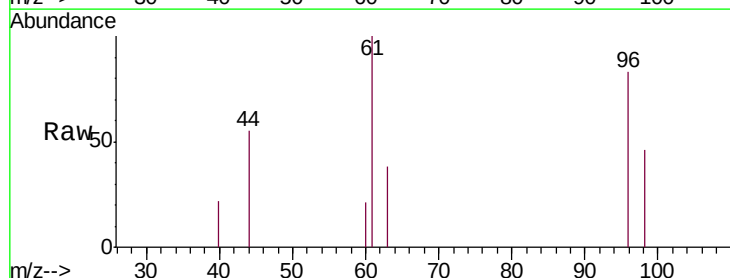
Tgt Ion: 96 Resp: 590

Ion Ratio Lower Upper

96 100

61 119.9 100.9 187.5

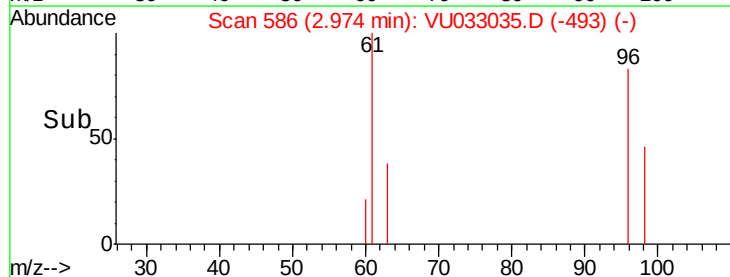
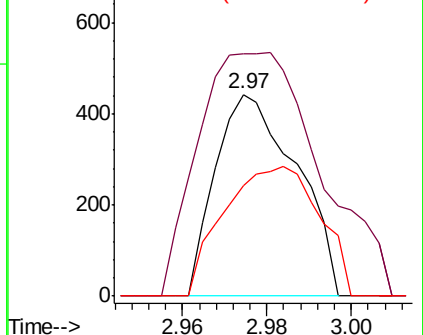
98 54.9 44.0 81.8

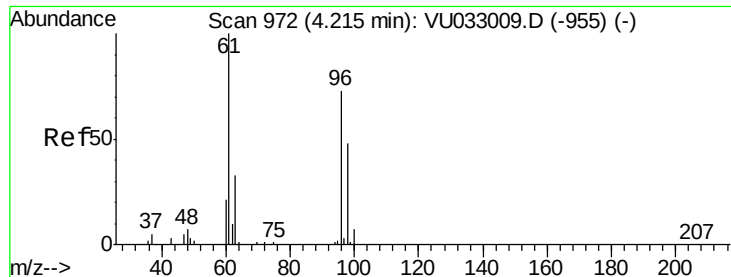


Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU033009.D (-574) (-)



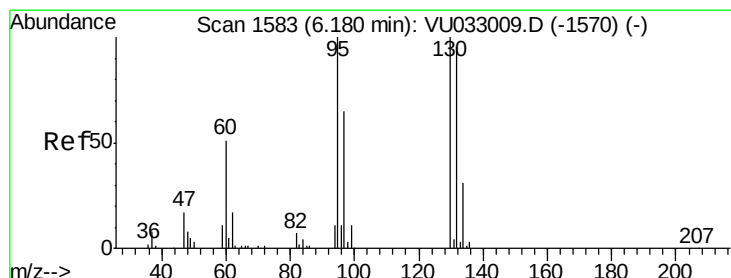
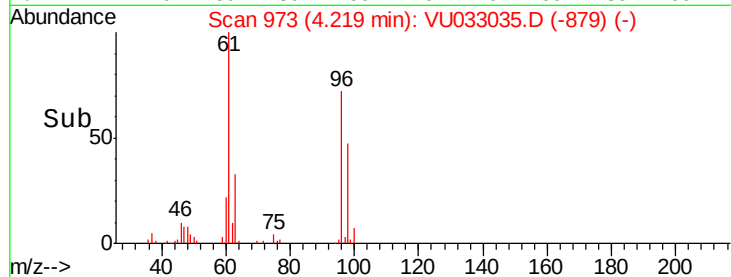
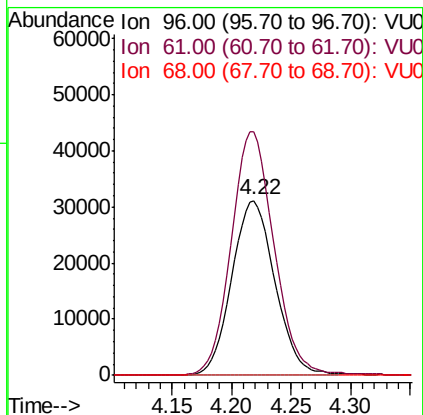
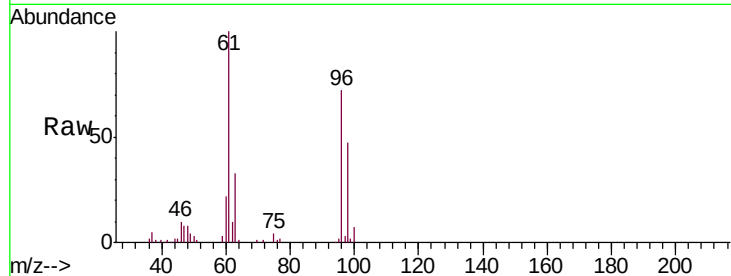


#20

cis-1,2-Dichloroethene
Concen: 54.280 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU033035.D
Acq: 25 Jun 2019 02:44

Instrument :
MSVOA_U
ClientSampleId :
ETF60

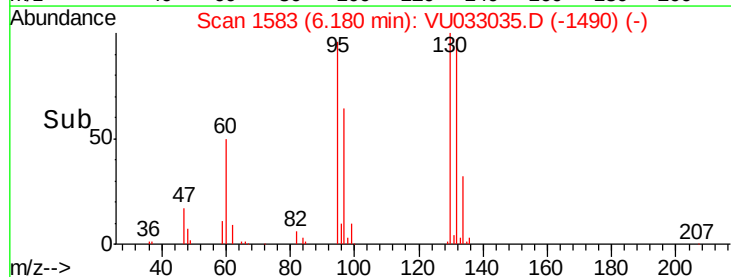
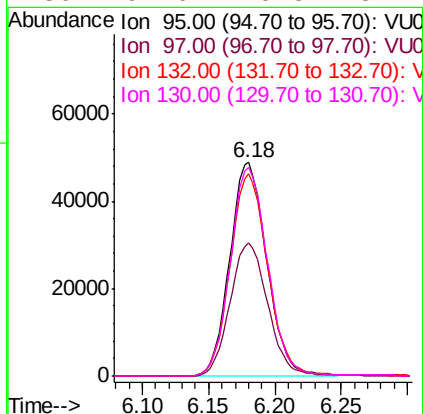
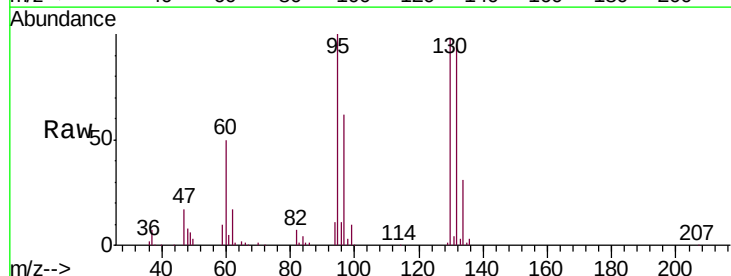
Tgt Ion: 96 Resp: 78392
Ion Ratio Lower Upper
96 100
61 139.4 92.4 171.6
68 0.0 0.0 0.0

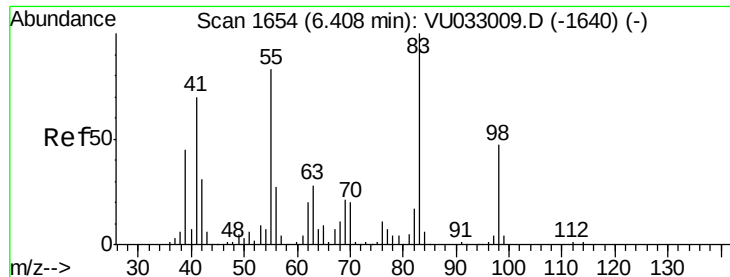


#34

Trichloroethene
Concen: 65.195 ug/L
RT: 6.18 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VU033035.D
Acq: 25 Jun 2019 02:44

Tgt Ion: 95 Resp: 94908
Ion Ratio Lower Upper
95 100
97 62.2 45.9 85.3
132 94.7 68.5 127.3
130 97.6 70.8 131.4

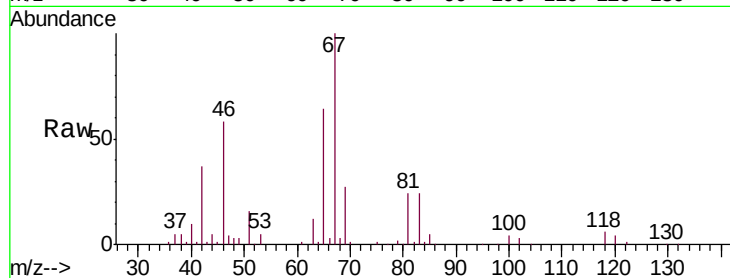




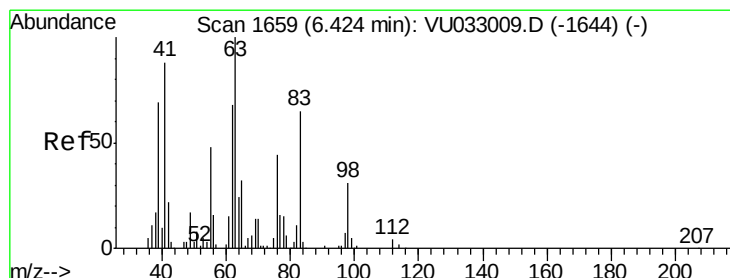
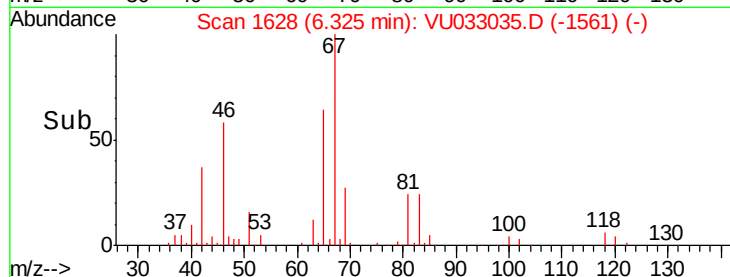
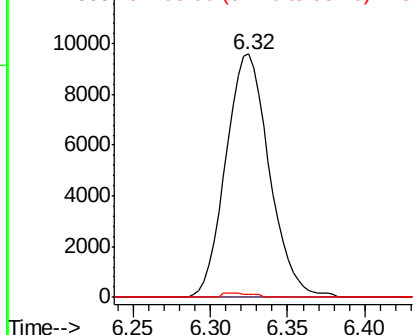
#35
Methylcyclohexane
Concen: 8.348 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU033035.D
Acq: 25 Jun 2019 02:44

Instrument :
MSVOA_U
ClientSampleId :
ETF60

Tgt Ion: 83 Resp: 18784
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.8 37.4 56.0#

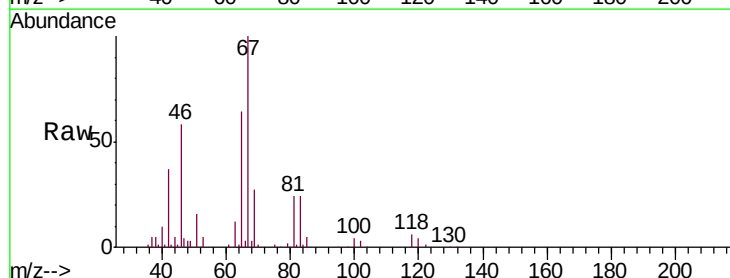


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

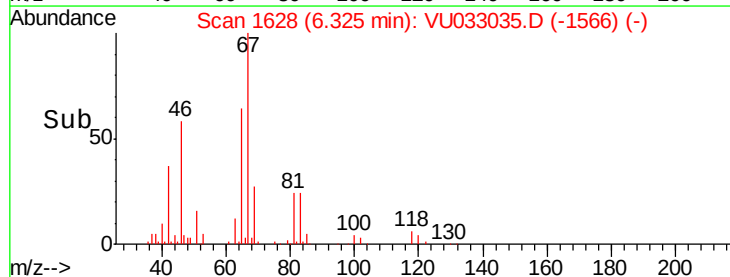
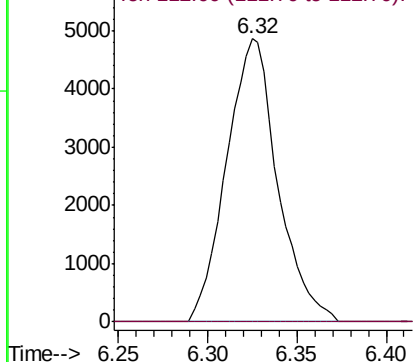


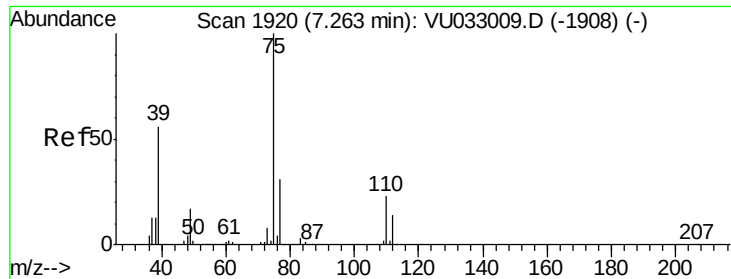
#37
1,2-Dichloropropane
Concen: 6.502 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU033035.D
Acq: 25 Jun 2019 02:44

Tgt Ion: 63 Resp: 9718
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.199 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU033035.D

Acq: 25 Jun 2019 02:44

Instrument :

MSVOA_U

ClientSampleId :

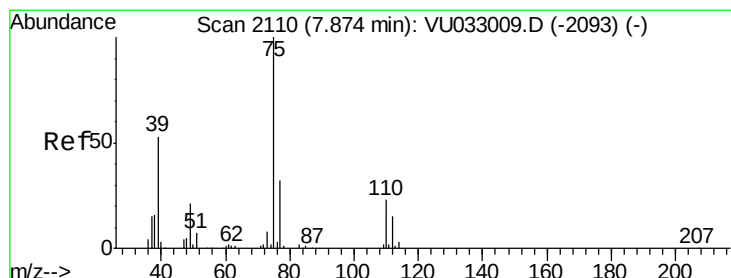
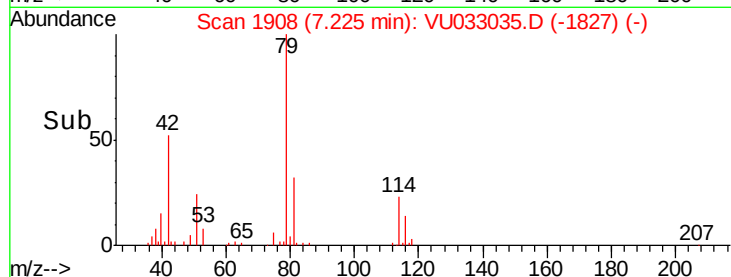
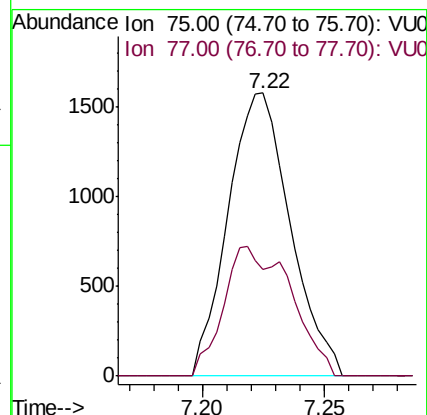
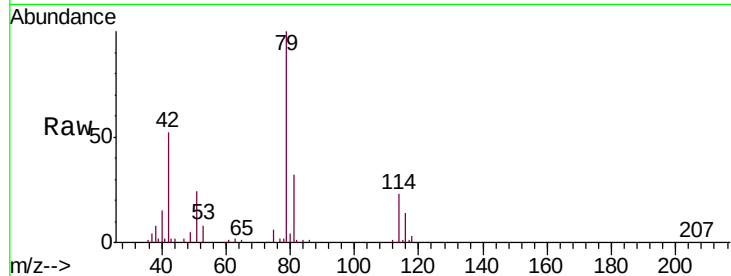
ETF60

Tgt Ion: 75 Resp: 2791

Ion Ratio Lower Upper

75 100

77 37.9 21.9 40.7



#44

trans-1,3-Dichloropropene

Concen: 0.842 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033035.D

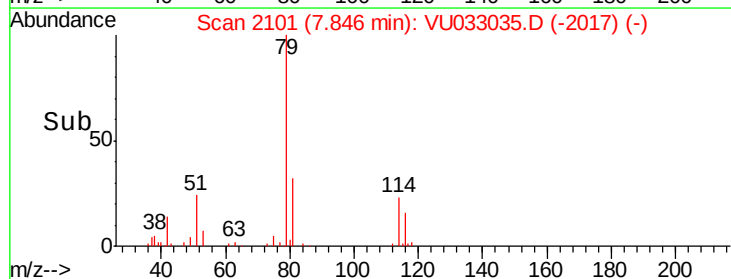
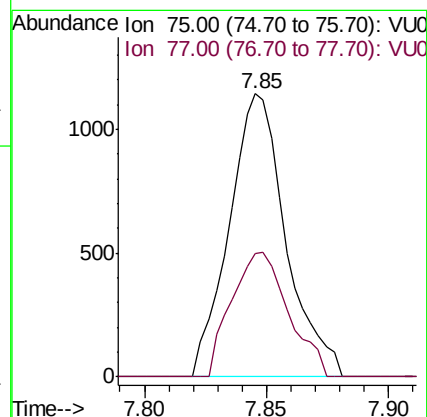
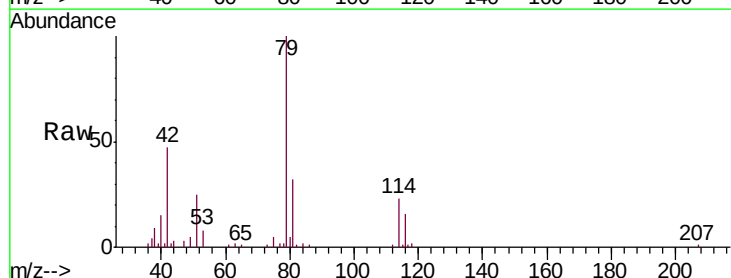
Acq: 25 Jun 2019 02:44

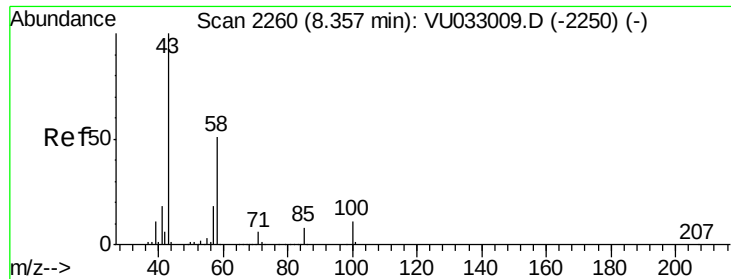
Tgt Ion: 75 Resp: 1841

Ion Ratio Lower Upper

75 100

77 43.7 21.8 40.4#

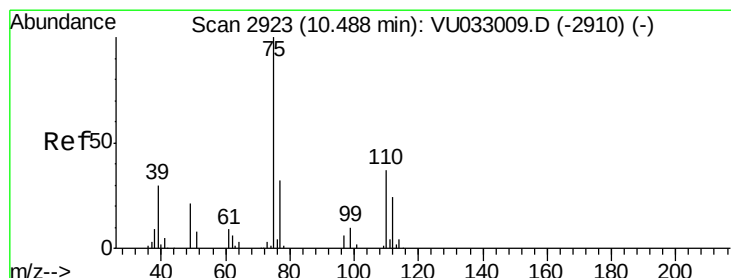
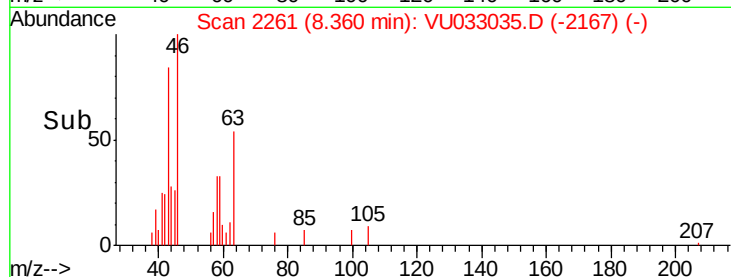
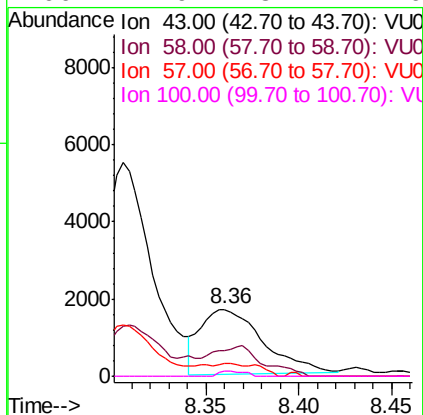
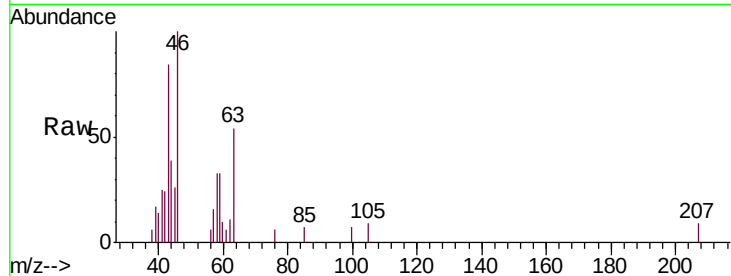




#48
 2-Hexanone
 Concen: 1.878 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU033035.D
 Acq: 25 Jun 2019 02:44

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF60

Tgt Ion: 43 Resp: 3954
 Ion Ratio Lower Upper
 43 100
 58 21.0 40.2 60.2#
 57 1.5 14.2 21.4#
 100 2.9 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.936 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU033035.D
 Acq: 25 Jun 2019 02:44

Tgt Ion: 75 Resp: 11839
 Ion Ratio Lower Upper
 75 100
 77 38.1 25.5 38.3

