

Data File : VU032993.D
Acq On : 24 Jun 2019 09:46
Operator : JC/SP
Sample : K3478-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF12

Quant Time: Jun 25 05:26:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	198128	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193285	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94991	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42385	31.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.60%
7) Chloroethane-d5	1.68	69	40721	37.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.42%
11) 1,1-Dichloroethene-d2	2.27	63	72379	26.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.06%#
21) 2-Butanone-d5	4.17	46	120834	107.22	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.22%
24) Chloroform-d	4.64	84	118836	45.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.30%
26) 1,2-Dichloroethane-d4	5.30	65	84317	48.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.18%
32) Benzene-d6	5.33	84	214820	42.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.28%
36) 1,2-Dichloropropane-d6	6.32	67	74953	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.40%
41) Toluene-d8	7.56	98	192044	40.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	7.84	79	36740	44.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.00%
47) 2-Hexanone-d5	8.31	63	73110	97.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.55%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119649	48.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	85320	46.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.84%

Target Compounds

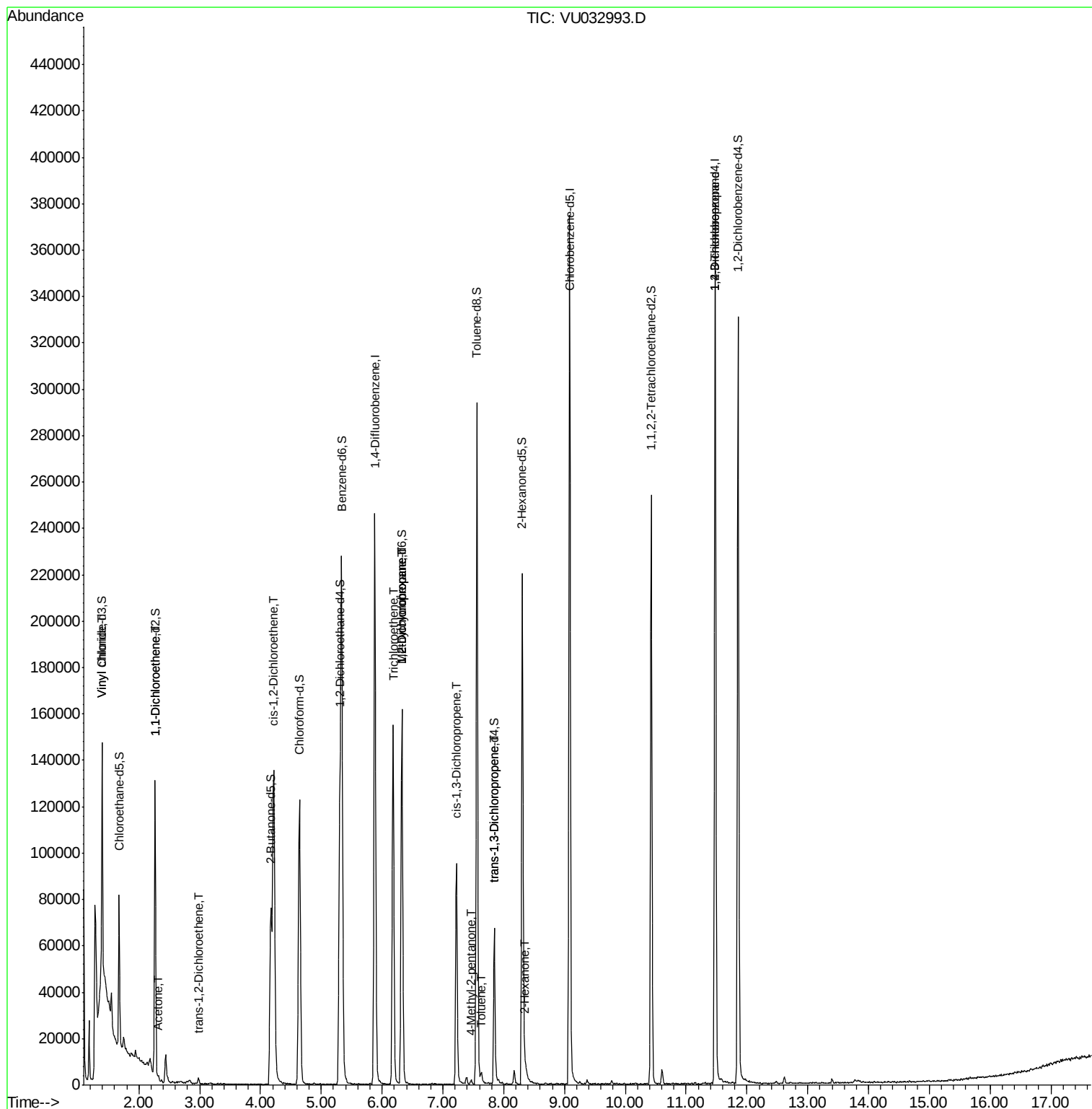
					Qvalue
5) Vinyl chloride	1.40	62	8781	4.881 ug/L #	1
12) 1,1-Dichloroethene	2.27	96	839	0.672 ug/L #	1
13) Acetone	2.32	43	2019	1.297 ug/L	88
17) trans-1,2-Dichloroethene	2.98	96	896	0.662 ug/L	91
20) cis-1,2-Dichloroethene	4.22	96	69857	47.395 ug/L	97
34) Trichloroethene	6.18	95	51348	34.515 ug/L	99
35) Methylcyclohexane	6.32	83	17037	7.409 ug/L #	19
37) 1,2-Dichloropropane	6.32	63	8991	5.887 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2564	1.078 ug/L	83
40) 4-Methyl-2-pentanone	7.46	43	1170	0.480 ug/L #	64
42) Toluene	7.64	91	3190	0.530 ug/L	88
44) trans-1,3-Dichloropropene	7.84	75	1885	0.843 ug/L	84
48) 2-Hexanone	8.36	43	2143	0.996 ug/L #	88
59) 1,2,3-Trichloropropane	11.48	75	12787	6.273 ug/L	92

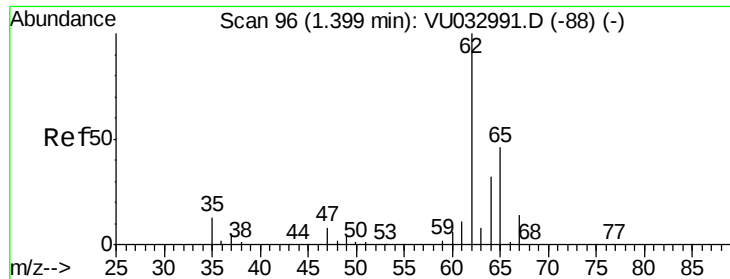
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.881 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032993.D

Acq: 24 Jun 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

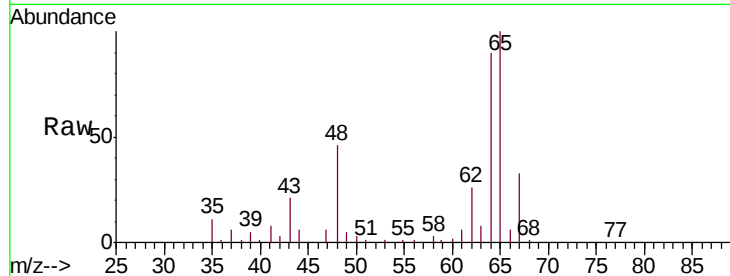
ETF12

Tgt Ion: 62 Resp: 8781

Ion Ratio Lower Upper

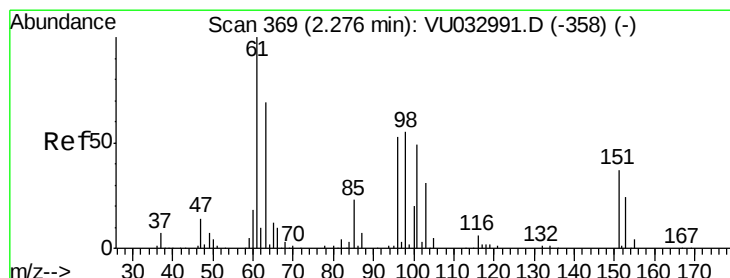
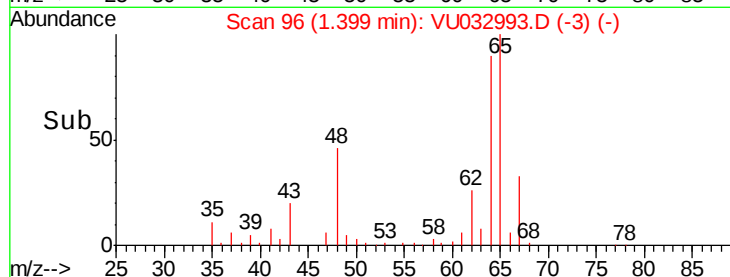
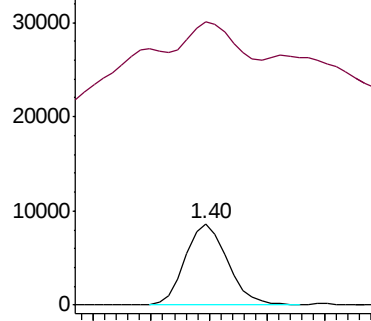
62 100

64 348.3 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 0.672 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032993.D

Acq: 24 Jun 2019 09:46

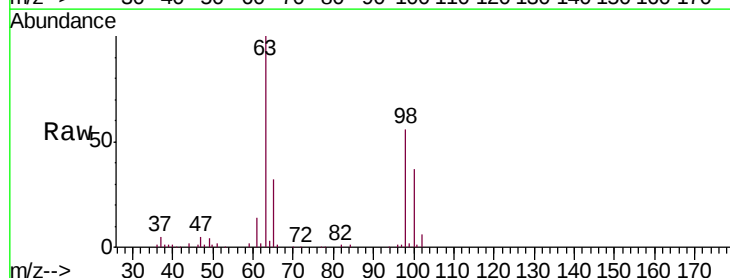
Tgt Ion: 96 Resp: 839

Ion Ratio Lower Upper

96 100

61 1138.8 131.0 243.4#

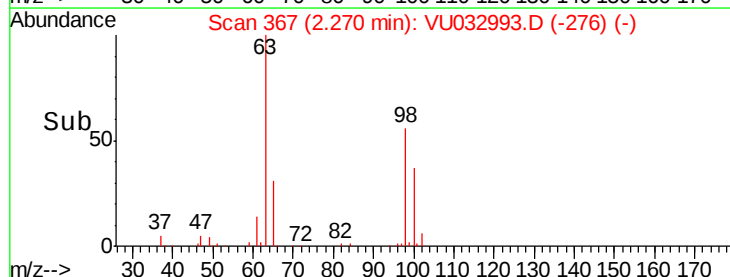
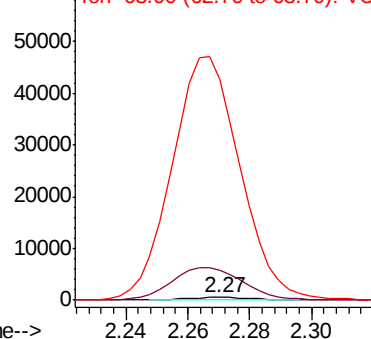
63 8398.4 101.0 187.6#

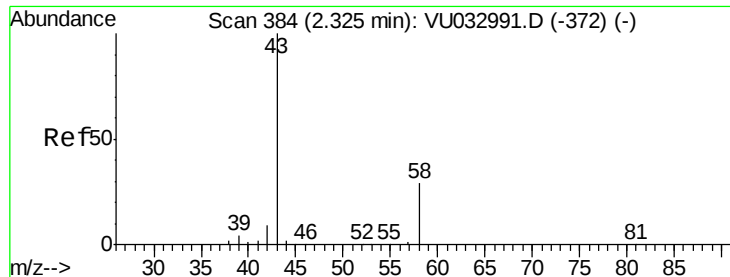


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.297 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU032993.D

Acq: 24 Jun 2019 09:46

Instrument :

MSVOA_U

ClientSampled :

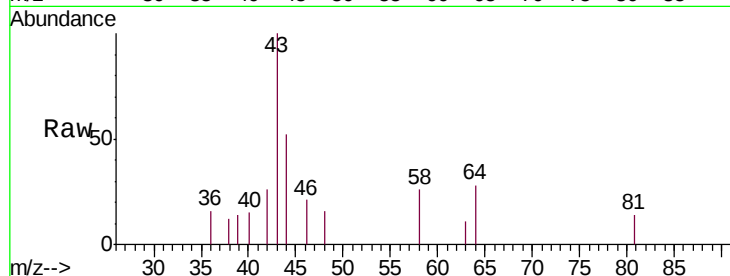
ETF12

Tgt Ion: 43 Resp: 2019

Ion Ratio Lower Upper

43 100

58 23.8 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU032993.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU032993.D (-372) (-)

2.32

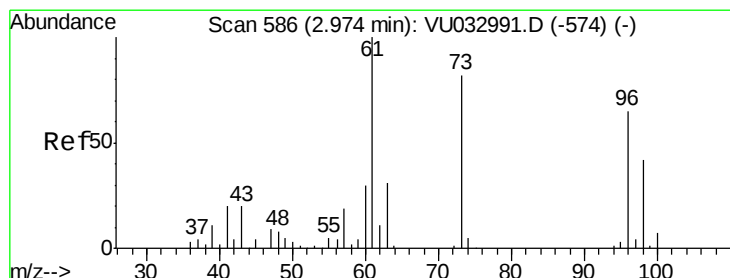
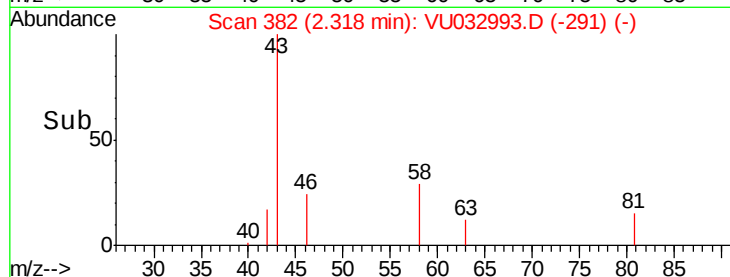
1000

500

0

Time-->

2.30 2.35



#17

trans-1,2-Dichloroethene

Concen: 0.662 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032993.D

Acq: 24 Jun 2019 09:46

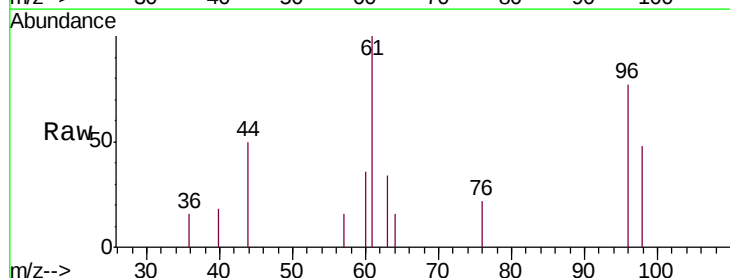
Tgt Ion: 96 Resp: 896

Ion Ratio Lower Upper

96 100

61 129.2 100.9 187.5

98 62.1 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032993.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU032993.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU032993.D (-493) (-)

2.98

800

600

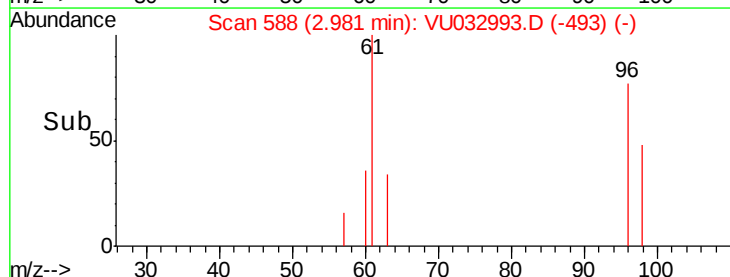
400

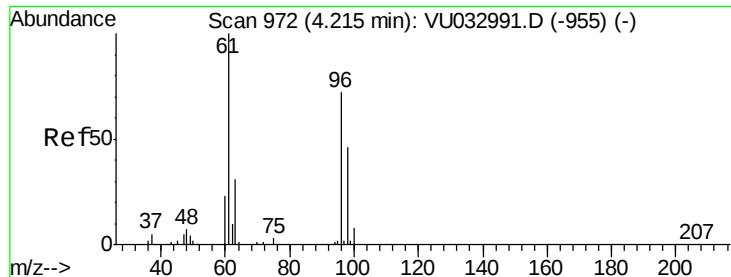
200

0

Time-->

2.94 2.96 2.98 3.00 3.02

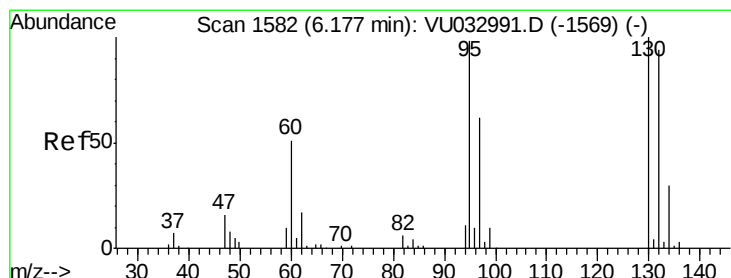
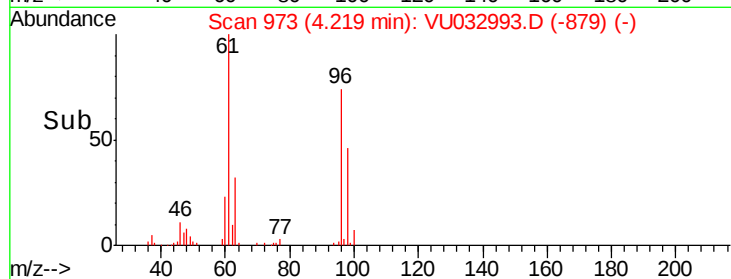
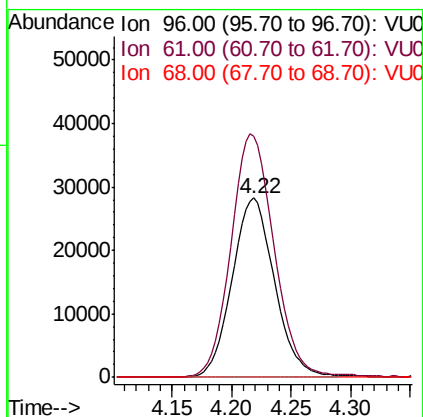
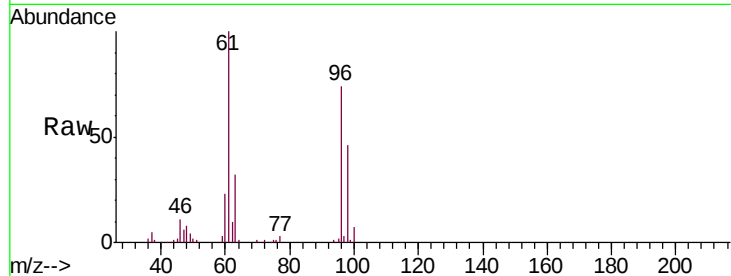




#20
 cis-1,2-Dichloroethene
 Concen: 47.395 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU032993.D
 Acq: 24 Jun 2019 09:46

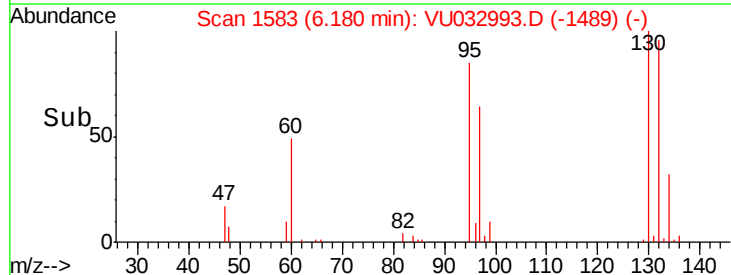
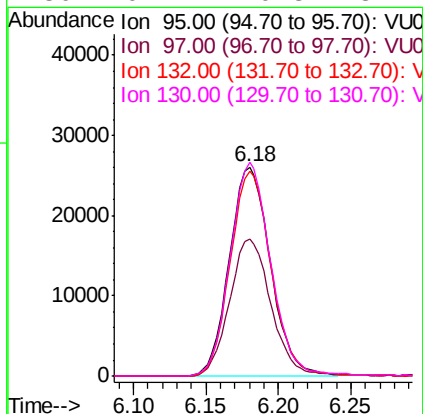
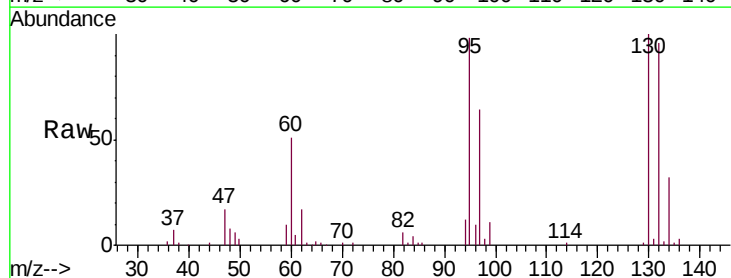
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 ClientSampleId :
 ETF12

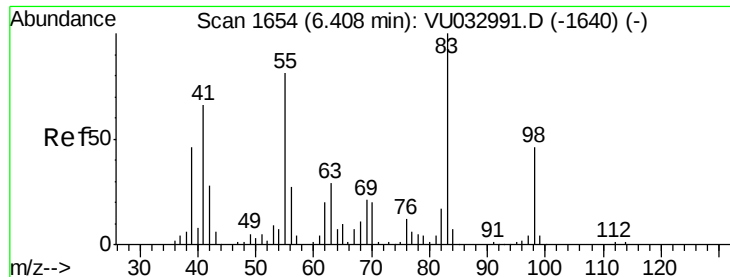
Tgt Ion: 96 Resp: 69857
 Ion Ratio Lower Upper
 96 100
 61 135.0 92.4 171.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 34.515 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032993.D
 Acq: 24 Jun 2019 09:46

Tgt Ion: 95 Resp: 51348
 Ion Ratio Lower Upper
 95 100
 97 65.4 45.9 85.3
 132 98.0 68.5 127.3
 130 102.4 70.8 131.4

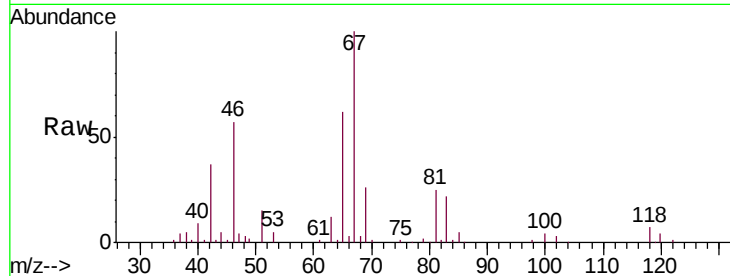




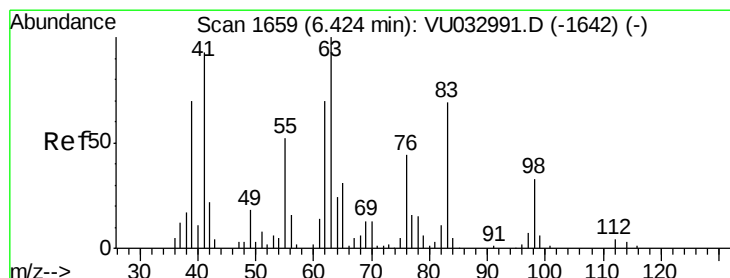
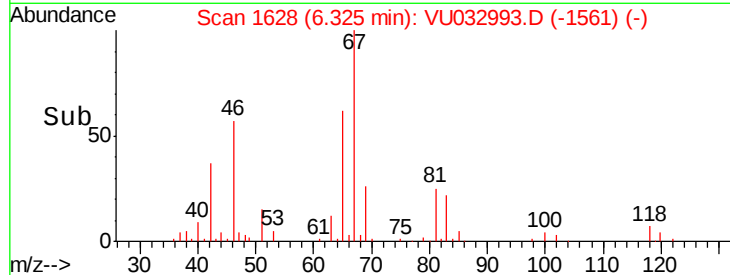
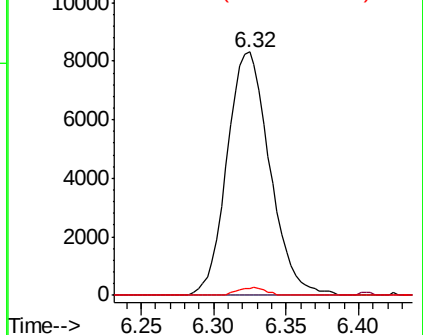
#35
Methylcyclohexane
Concen: 7.409 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032993.D
Acq: 24 Jun 2019 09:46

Instrument :
MSVOA_U
ClientSampleId :
ETF12

Tgt Ion: 83 Resp: 17037
Ion Ratio Lower Upper
83 100
55 0.4 62.6 94.0#
98 2.0 37.4 56.0#

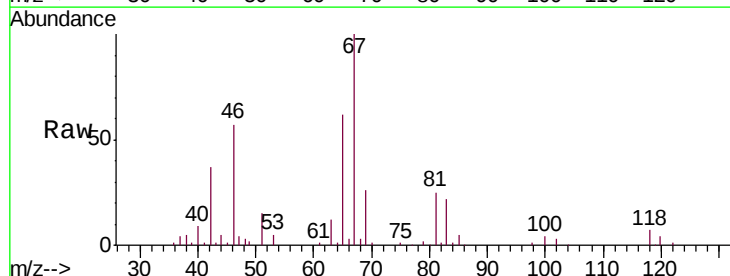


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

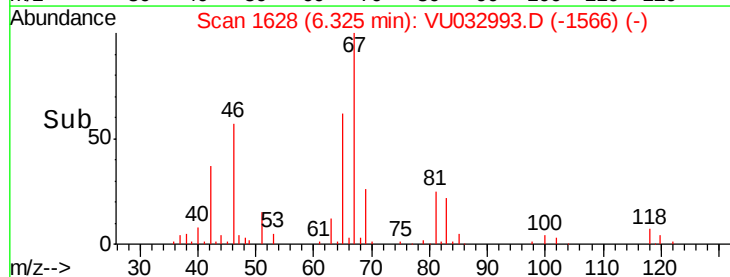
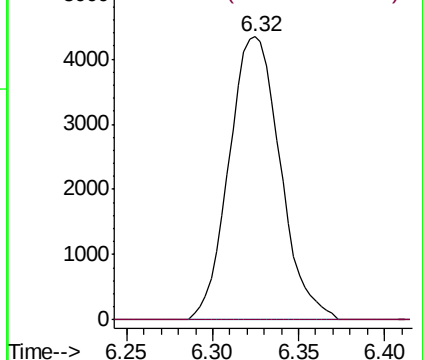


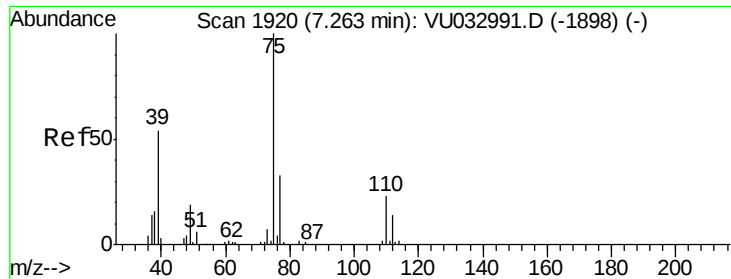
#37
1,2-Dichloropropane
Concen: 5.887 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU032993.D
Acq: 24 Jun 2019 09:46

Tgt Ion: 63 Resp: 8991
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

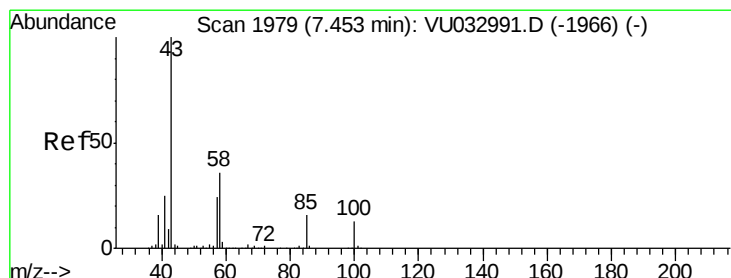
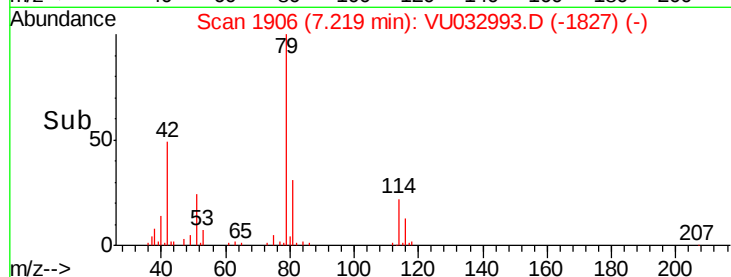
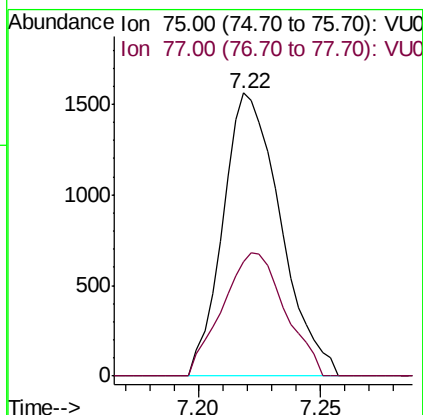
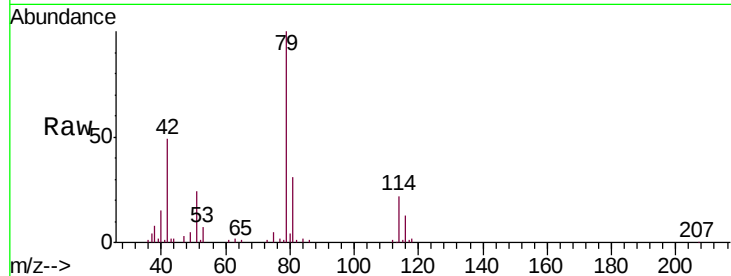




#39
 cis-1,3-Dichloropropene
 Concen: 1.078 ug/L
 RT: 7.22 min Scan# 1906
 Delta R.T. -0.04 min
 Lab File: VU032993.D
 Acq: 24 Jun 2019 09:46

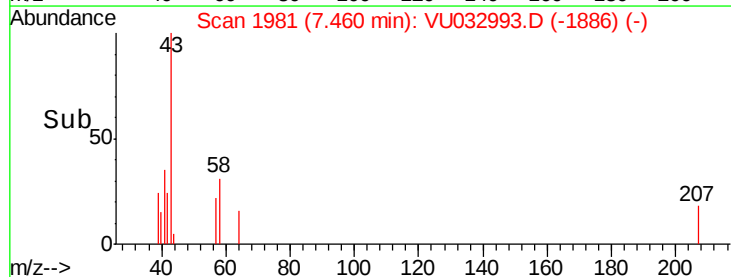
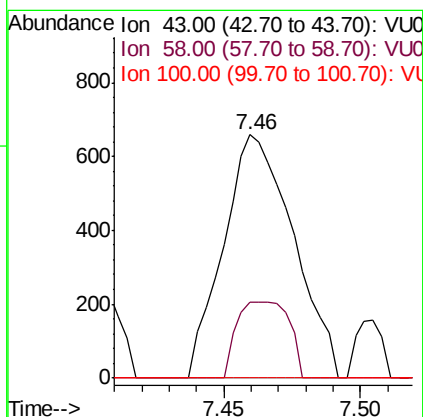
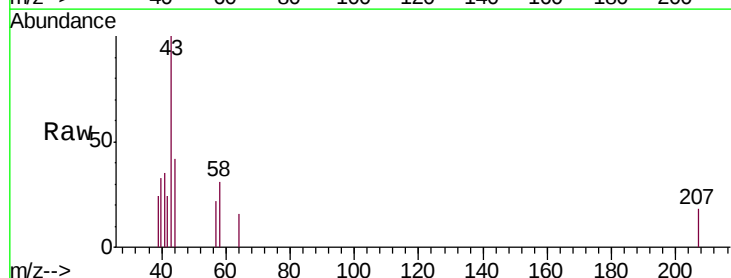
Instrument :
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 ClientSampleId :
 ETF12

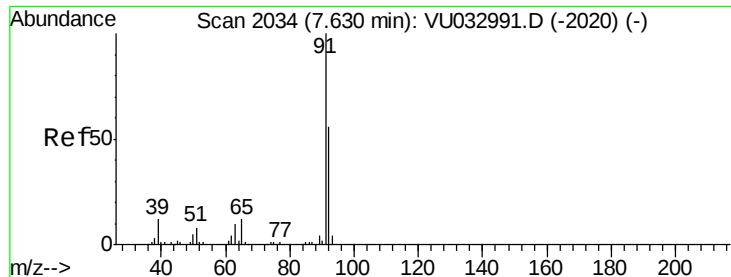
Tgt Ion: 75 Resp: 2564
 Ion Ratio Lower Upper
 75 100
 77 40.5 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 0.480 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.01 min
 Lab File: VU032993.D
 Acq: 24 Jun 2019 09:46

Tgt Ion: 43 Resp: 1170
 Ion Ratio Lower Upper
 43 100
 58 15.0 29.4 44.2#
 100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.530 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU032993.D

Acq: 24 Jun 2019 09:46

Instrument :

MSVOA_U

ClientSampleId :

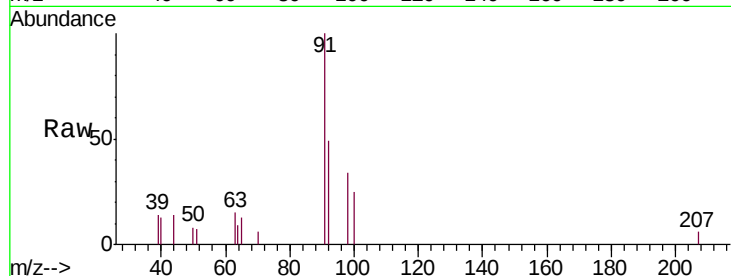
ETF12

Tgt Ion: 91 Resp: 3190

Ion Ratio Lower Upper

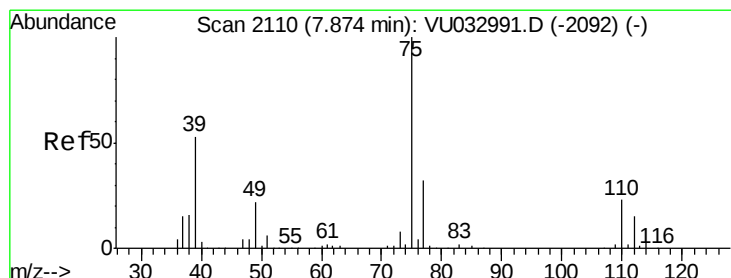
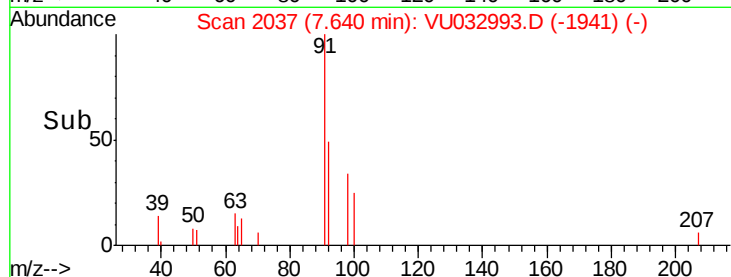
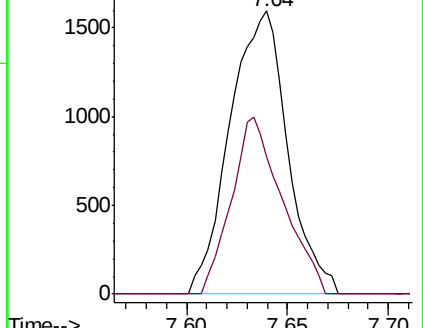
91 100

92 48.5 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032993.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032993.D (-2020) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.843 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032993.D

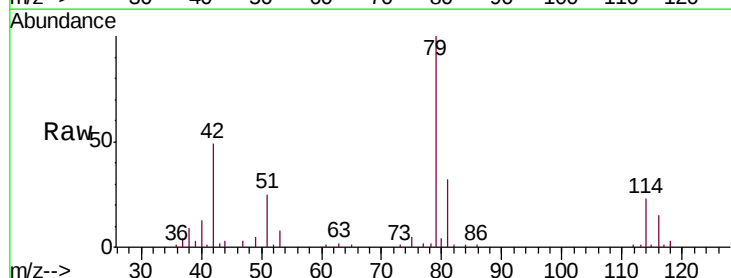
Acq: 24 Jun 2019 09:46

Tgt Ion: 75 Resp: 1885

Ion Ratio Lower Upper

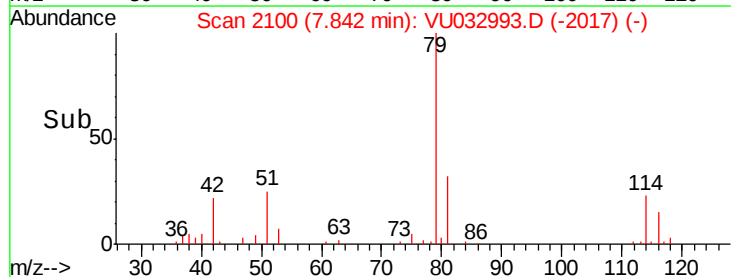
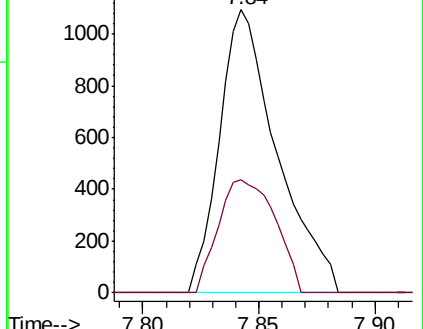
75 100

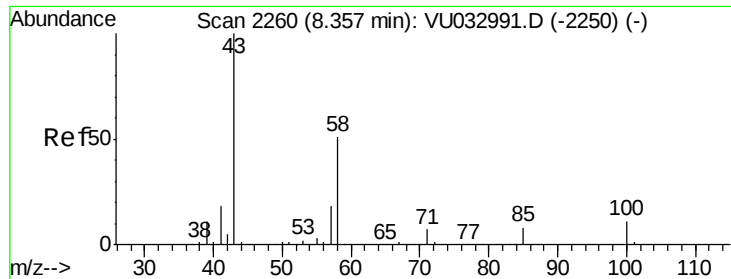
77 40.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032993.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032993.D (-2092) (-)

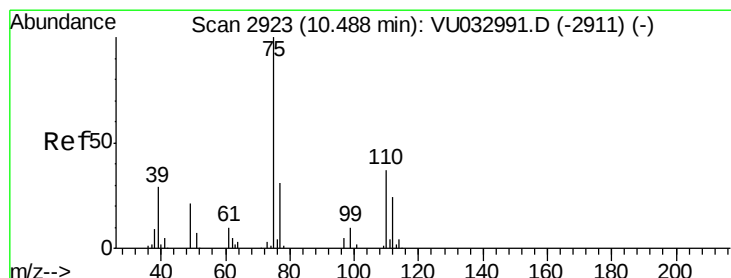
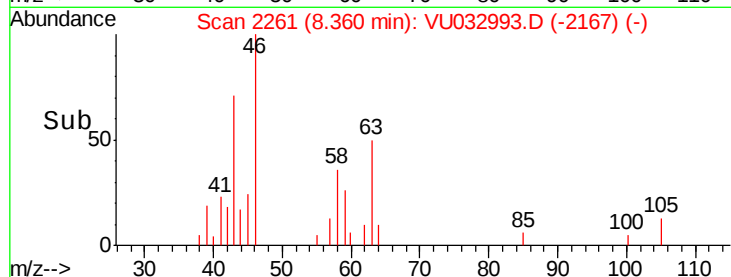
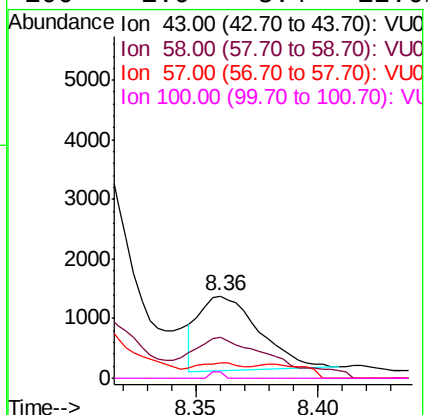
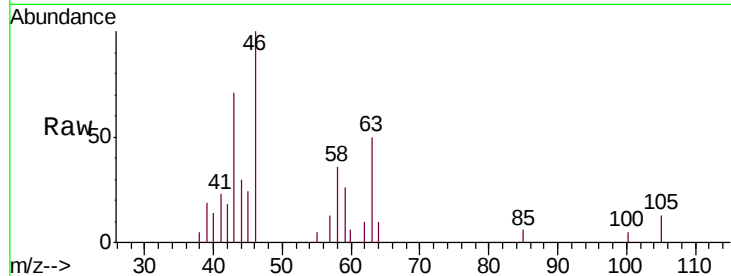




#48
2-Hexanone
Concen: 0.996 ug/L
RT: 8.36 min Scan# 2261
Delta R.T. 0.00 min
Lab File: VU032993.D
Acq: 24 Jun 2019 09:46

Instrument :
MSVOA_U
ClientSampleId :
ETF12

Tgt Ion: 43 Resp: 2143
Ion Ratio Lower Upper
43 100
58 46.8 40.2 60.2
57 7.0 14.2 21.4#
100 1.9 8.4 12.6#



#59
1,2,3-Trichloropropane
Concen: 6.273 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU032993.D
Acq: 24 Jun 2019 09:46

Tgt Ion: 75 Resp: 12787
Ion Ratio Lower Upper
75 100
77 36.3 25.5 38.3

