

Data File : VU032995.D
Acq On : 24 Jun 2019 10:32
Operator : JC/SP
Sample : K3478-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF21

Quant Time: Jun 25 05:26:20 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	197697	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194260	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94187	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	40454	29.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	59.88%#
7) Chloroethane-d5	1.68	69	39453	36.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.22%
11) 1,1-Dichloroethene-d2	2.27	63	68858	25.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.60%#
21) 2-Butanone-d5	4.17	46	120260	106.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.94%
24) Chloroform-d	4.64	84	114215	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.96%
26) 1,2-Dichloroethane-d4	5.30	65	82193	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
32) Benzene-d6	5.33	84	209846	41.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.88%
36) 1,2-Dichloropropane-d6	6.32	67	72266	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.60%
41) Toluene-d8	7.56	98	184802	38.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.94%#
43) trans-1,3-Dichloropropene-	7.85	79	34516	41.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.26%
47) 2-Hexanone-d5	8.31	63	71082	94.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.37%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	117068	46.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.88%
64) 1,2-Dichlorobenzene-d4	11.86	152	82293	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%

Target Compounds

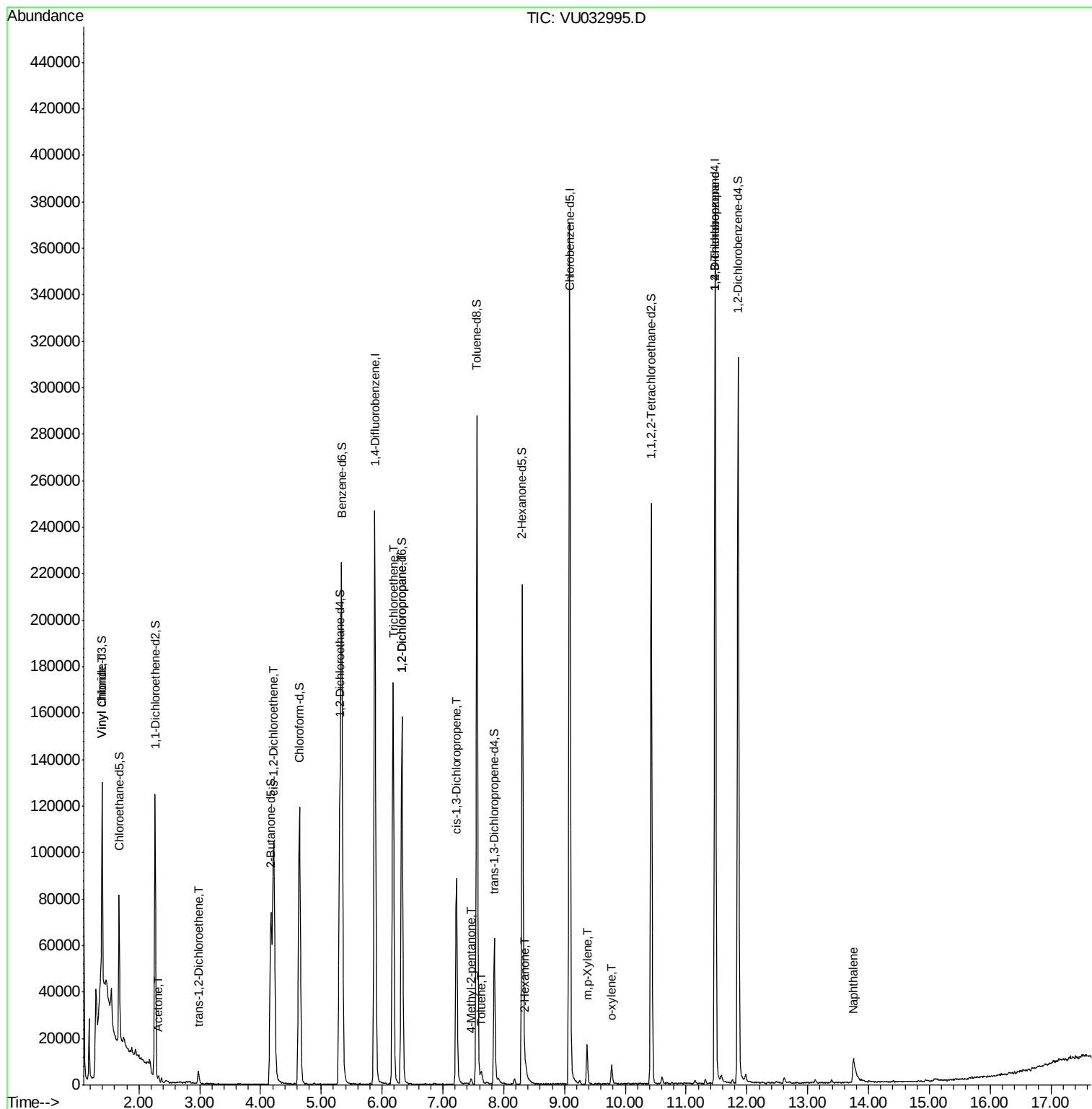
					Qvalue
5) Vinyl chloride	1.40	62	7257	4.042 ug/L #	1
13) Acetone	2.32	43	1458	0.939 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	1785	1.322 ug/L	94
20) cis-1,2-Dichloroethene	4.22	96	52121	35.439 ug/L	96
34) Trichloroethene	6.18	95	57905	38.727 ug/L	100
37) 1,2-Dichloropropane	6.32	63	8712	5.675 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2560	1.070 ug/L #	71
40) 4-Methyl-2-pentanone	7.46	43	1708	0.697 ug/L #	85
42) Toluene	7.64	91	3487	0.576 ug/L	100
48) 2-Hexanone	8.36	43	2570	1.189 ug/L #	51
53) m,p-Xylene	9.37	106	4475	1.770 ug/L	91
54) o-xylene	9.78	106	2158	0.874 ug/L	85
59) 1,2,3-Trichloropropane	11.48	75	12412	6.059 ug/L #	88
69) Naphthalene	13.75	128	14956	2.403 ug/L #	76

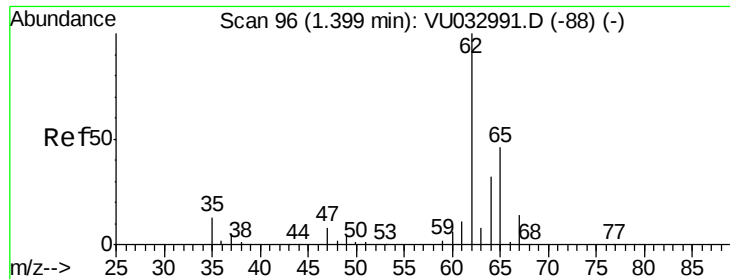
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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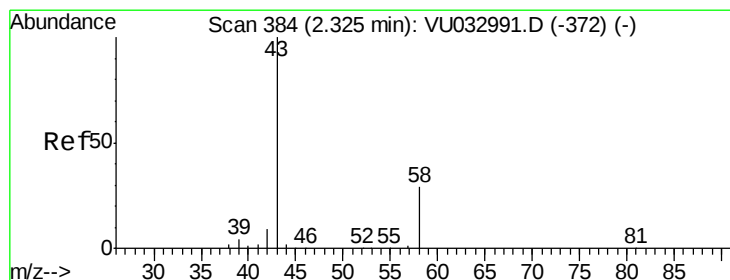
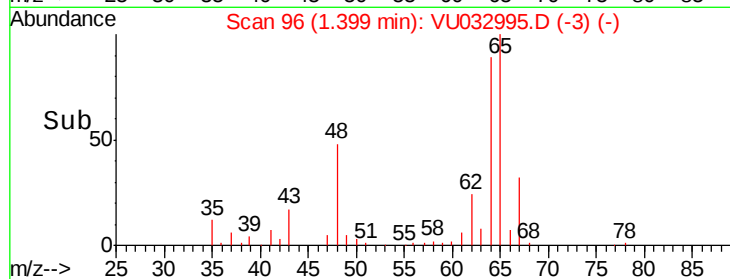
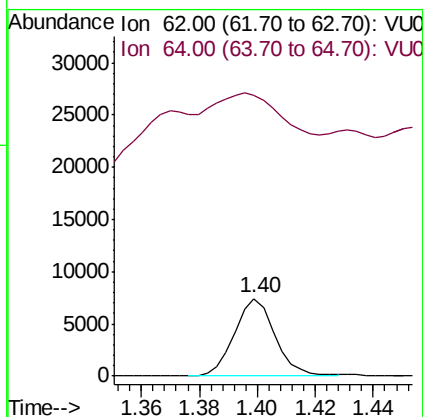
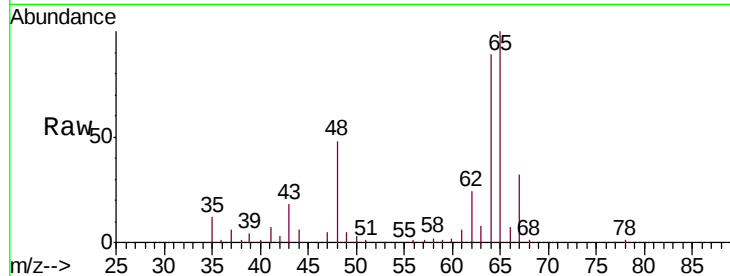




#5
 Vinyl chloride
 Concen: 4.042 ug/L
 RT: 1.40 min Scan# 96
 Delta R.T. 0.00 min
 Lab File: VU032995.D
 Acq: 24 Jun 2019 10:32

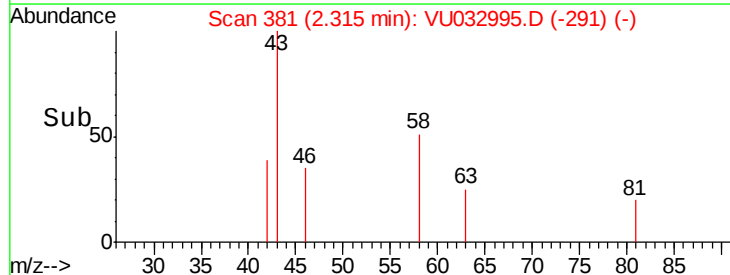
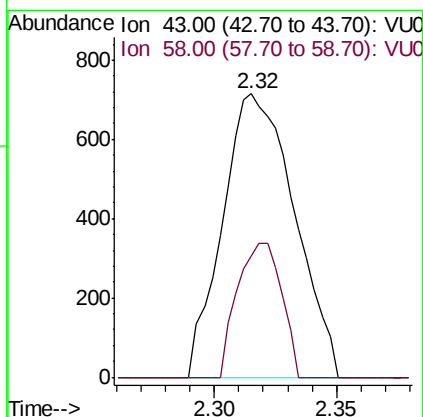
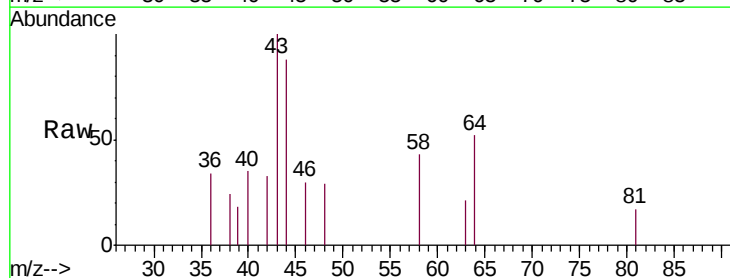
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF21

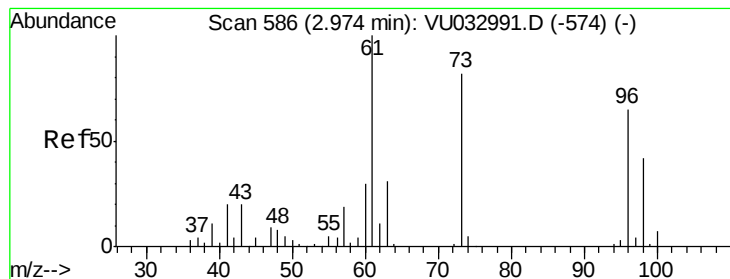
Tgt Ion: 62 Resp: 7257
 Ion Ratio Lower Upper
 62 100
 64 363.1 23.0 42.6#



#13
 Acetone
 Concen: 0.939 ug/L
 RT: 2.32 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VU032995.D
 Acq: 24 Jun 2019 10:32

Tgt Ion: 43 Resp: 1458
 Ion Ratio Lower Upper
 43 100
 58 29.1 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 1.322 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.01 min

Lab File: VU032995.D

Acq: 24 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

ETF21

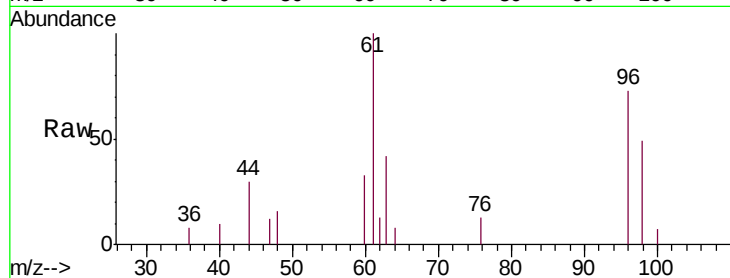
Tgt Ion: 96 Resp: 1785

Ion Ratio Lower Upper

96 100

61 136.6 100.9 187.5

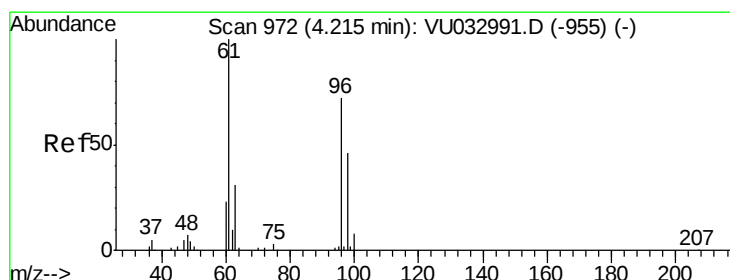
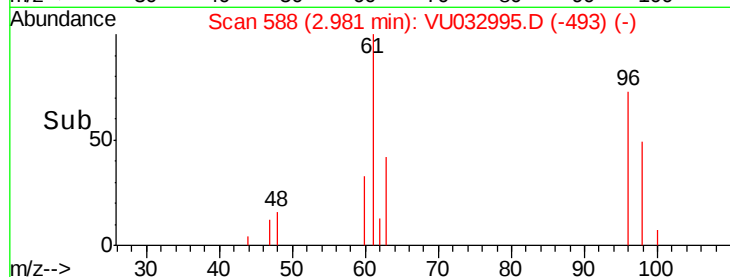
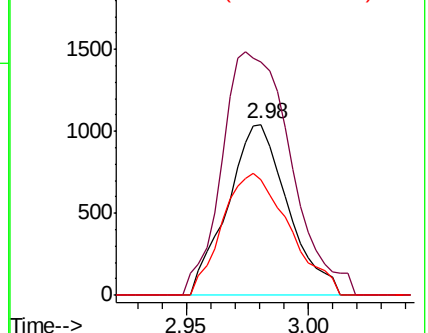
98 67.3 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032995.D (-574) (-)

Ion 61.00 (60.70 to 61.70): VU032995.D (-574) (-)

Ion 98.00 (97.70 to 98.70): VU032995.D (-574) (-)



#20

cis-1,2-Dichloroethene

Concen: 35.439 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032995.D

Acq: 24 Jun 2019 10:32

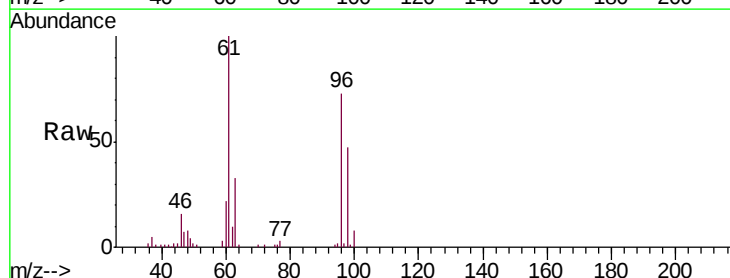
Tgt Ion: 96 Resp: 52121

Ion Ratio Lower Upper

96 100

61 137.2 92.4 171.6

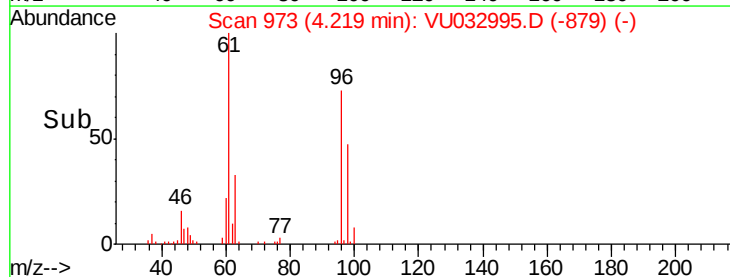
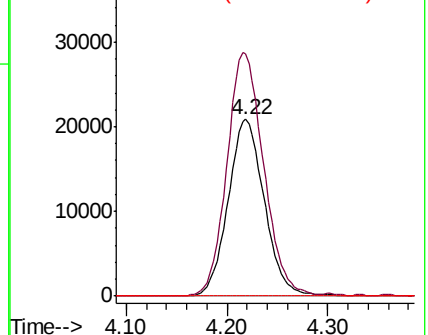
68 0.0 0.0 0.0

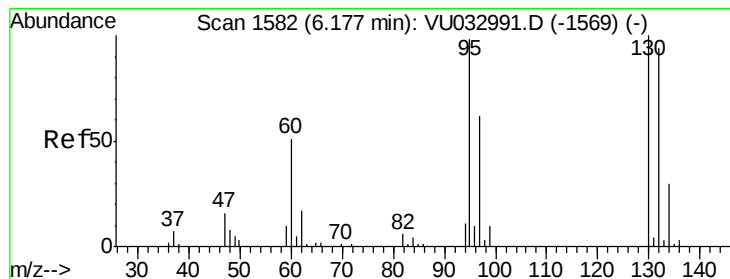


Abundance Ion 96.00 (95.70 to 96.70): VU032995.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU032995.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU032995.D (-955) (-)





#34

Trichloroethene

Concen: 38.727 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU032995.D

Acq: 24 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampled :

ETF21

Tgt Ion: 95 Resp: 57905

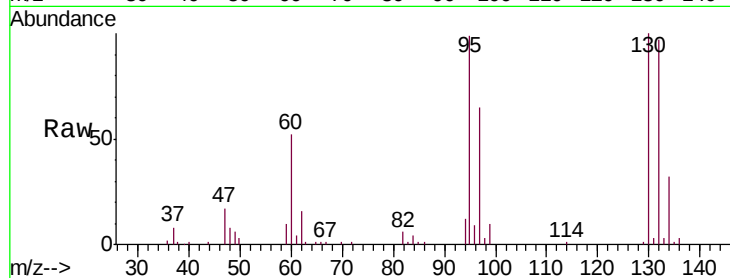
Ion Ratio Lower Upper

95 100

97 65.0 45.9 85.3

132 98.1 68.5 127.3

130 100.7 70.8 131.4

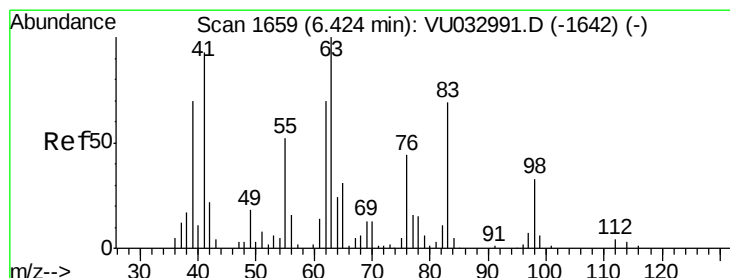
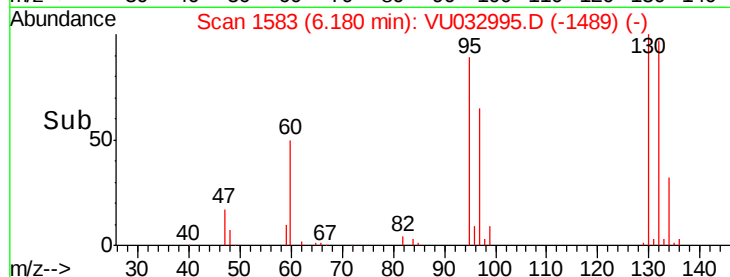
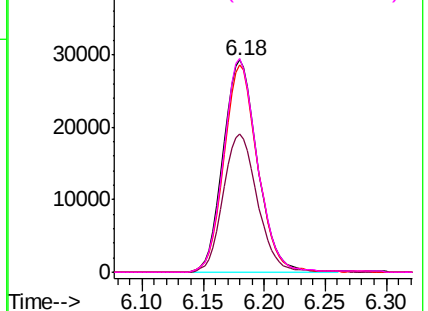


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 5.675 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU032995.D

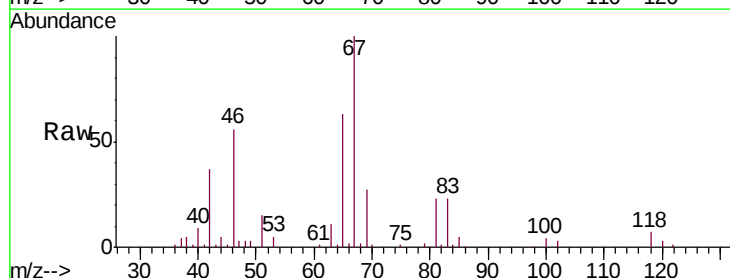
Acq: 24 Jun 2019 10:32

Tgt Ion: 63 Resp: 8712

Ion Ratio Lower Upper

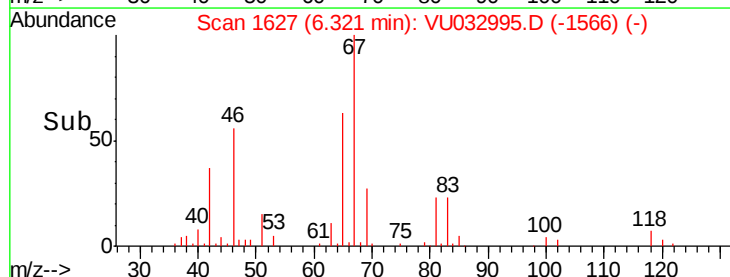
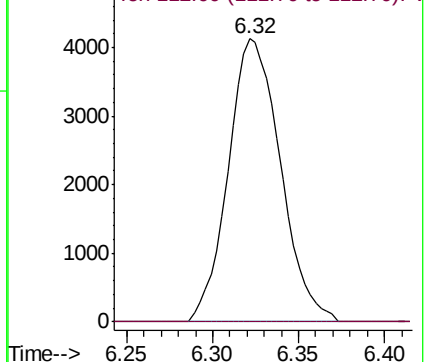
63 100

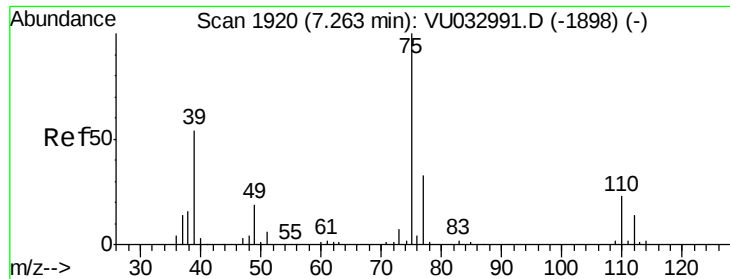
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V

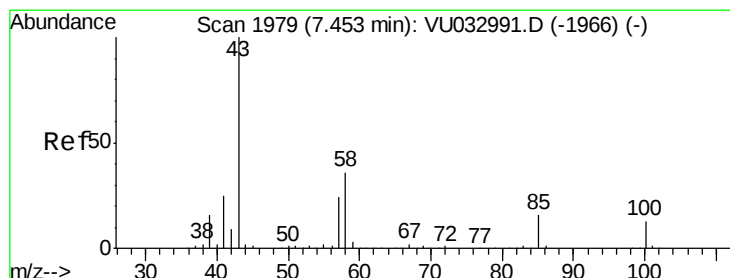
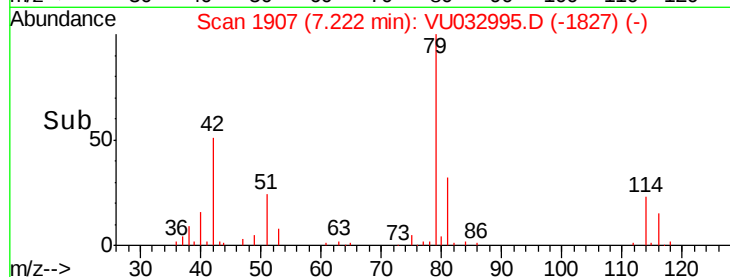
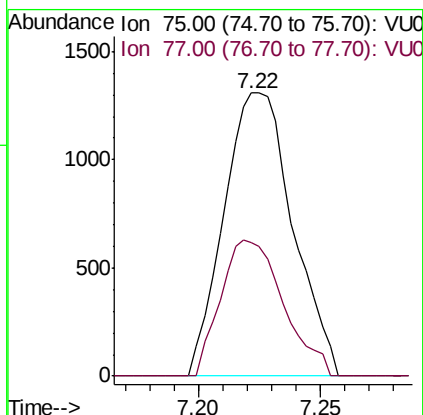
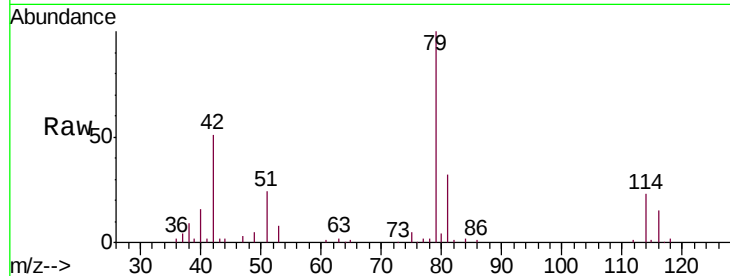




#39
 cis-1,3-Dichloropropene
 Concen: 1.070 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032995.D
 Acq: 24 Jun 2019 10:32

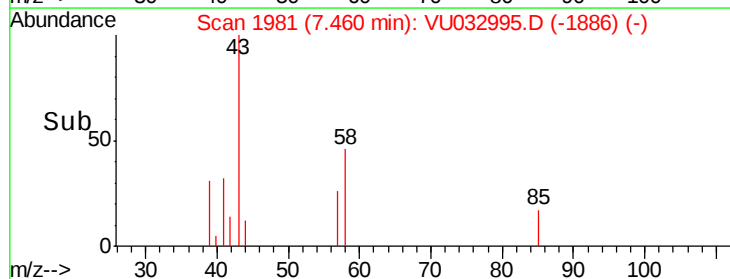
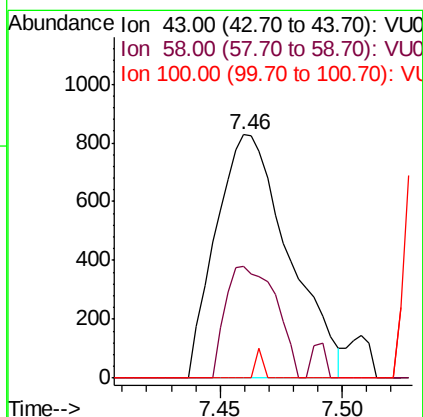
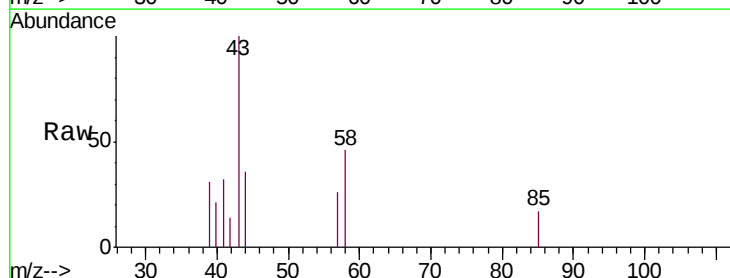
Instrument :
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 ETF21

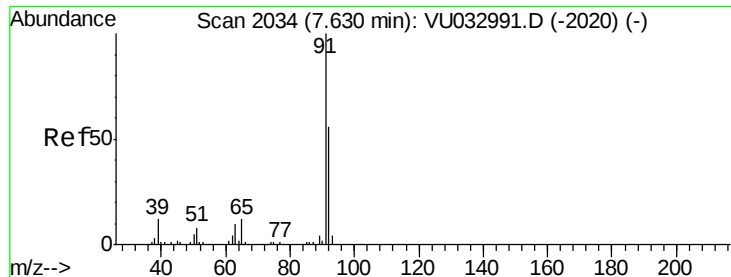
Tgt Ion: 75 Resp: 2560
 Ion Ratio Lower Upper
 75 100
 77 47.2 21.9 40.7#



#40
 4-Methyl-2-pentanone
 Concen: 0.697 ug/L
 RT: 7.46 min Scan# 1981
 Delta R.T. 0.01 min
 Lab File: VU032995.D
 Acq: 24 Jun 2019 10:32

Tgt Ion: 43 Resp: 1708
 Ion Ratio Lower Upper
 43 100
 58 32.0 29.4 44.2
 100 0.0 11.2 16.8#





#42

Toluene

Concen: 0.576 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032995.D

Acq: 24 Jun 2019 10:32

Instrument :

MSVOA_U

ClientSampleId :

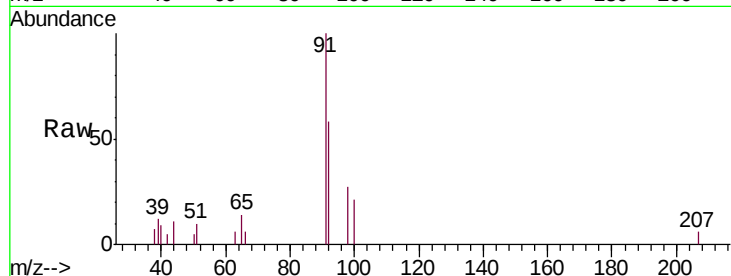
ETF21

Tgt Ion: 91 Resp: 3487

Ion Ratio Lower Upper

91 100

92 57.5 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032995.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032995.D (-2020) (-)

7.64

2000

1500

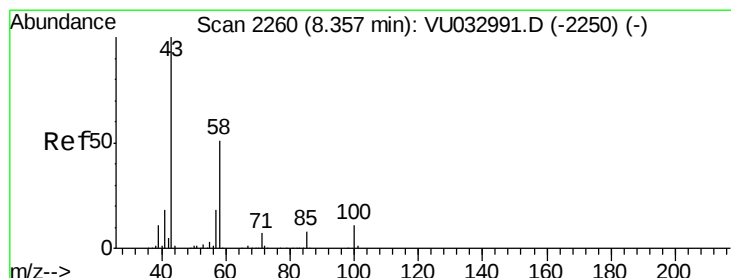
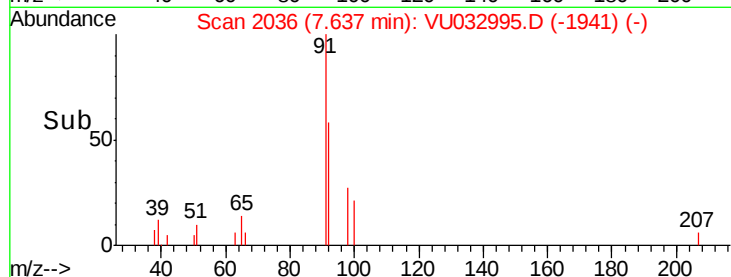
1000

500

0

7.60 7.65

Time-->



#48

2-Hexanone

Concen: 1.189 ug/L

RT: 8.36 min Scan# 2261

Delta R.T. 0.00 min

Lab File: VU032995.D

Acq: 24 Jun 2019 10:32

Tgt Ion: 43 Resp: 2570

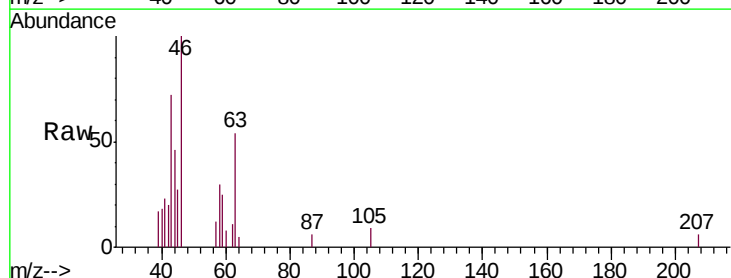
Ion Ratio Lower Upper

43 100

58 6.5 40.2 60.2#

57 9.5 14.2 21.4#

100 0.0 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VU032995.D (-2167) (-)

Ion 58.00 (57.70 to 58.70): VU032995.D (-2167) (-)

Ion 57.00 (56.70 to 57.70): VU032995.D (-2167) (-)

Ion 100.00 (99.70 to 100.70): VU032995.D (-2167) (-)

6000

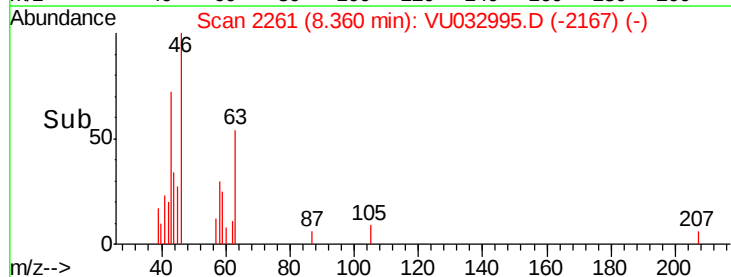
4000

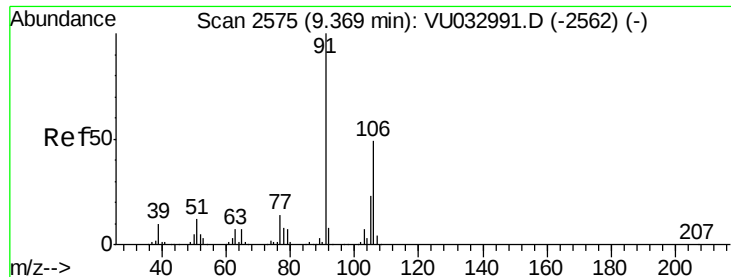
2000

0

8.35 8.40

Time-->





#53

m,p-Xylene

Concen: 1.770 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032995.D

Acq: 24 Jun 2019 10:32

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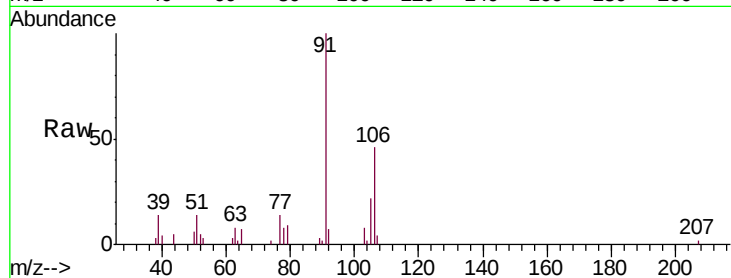
ETF21

Tgt Ion:106 Resp: 4475

Ion Ratio Lower Upper

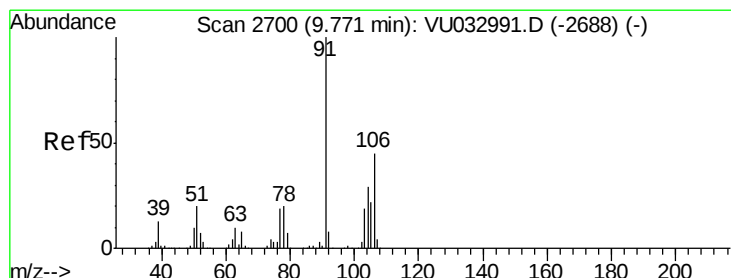
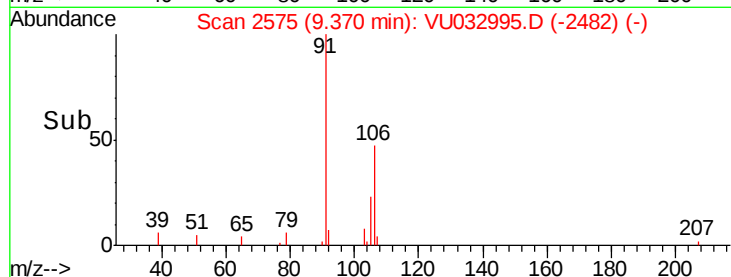
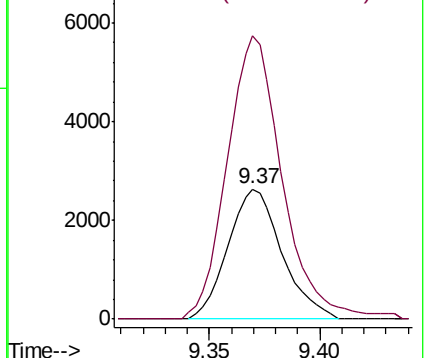
106 100

91 217.8 142.9 265.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 0.874 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.01 min

Lab File: VU032995.D

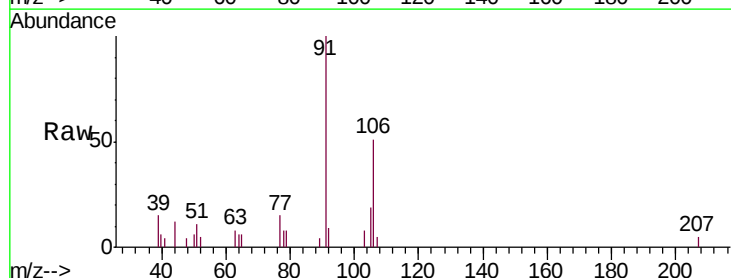
Acq: 24 Jun 2019 10:32

Tgt Ion:106 Resp: 2158

Ion Ratio Lower Upper

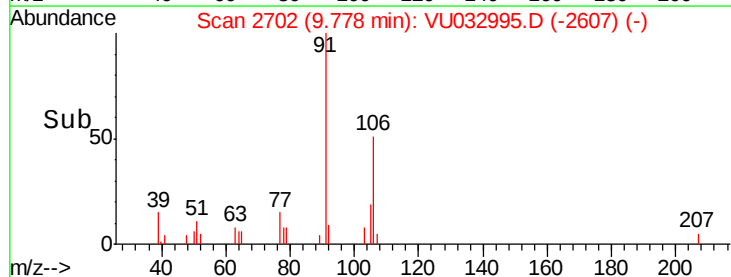
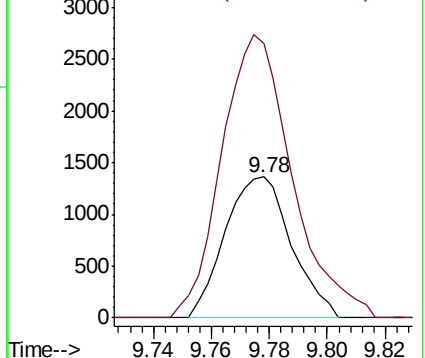
106 100

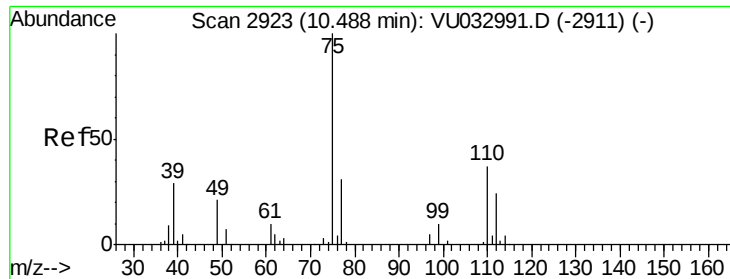
91 194.8 152.9 284.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

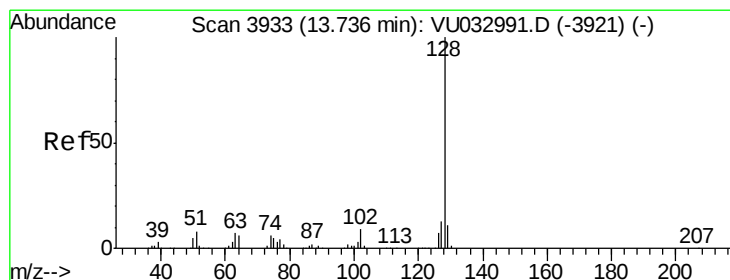
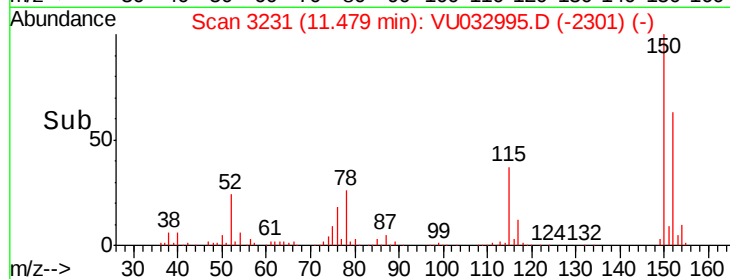
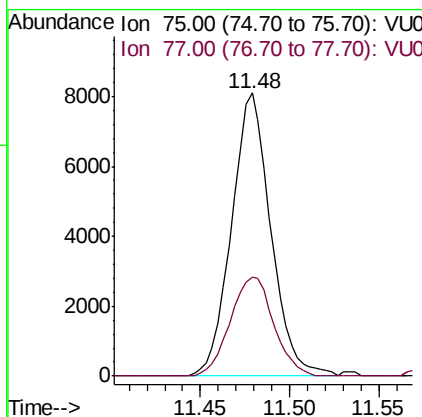
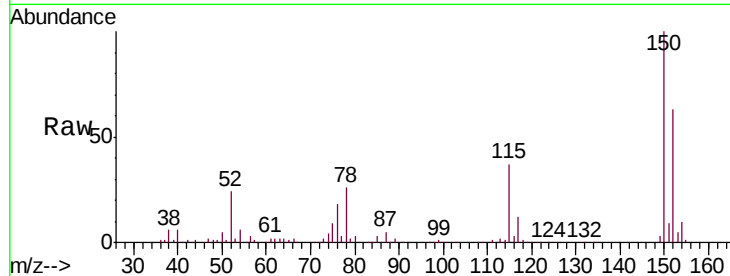




#59
 1,2,3-Trichloropropane
 Concen: 6.059 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU032995.D
 Acq: 24 Jun 2019 10:32

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF21

Tgt Ion: 75 Resp: 12412
 Ion Ratio Lower Upper
 75 100
 77 38.6 25.5 38.3#



#69
 Naphthalene
 Concen: 2.403 ug/L
 RT: 13.75 min Scan# 3938
 Delta R.T. 0.02 min
 Lab File: VU032995.D
 Acq: 24 Jun 2019 10:32

Tgt Ion: 128 Resp: 14956
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 5.8 8.6 13.0#

