

Data File : VU033011.D
Acq On : 24 Jun 2019 17:33
Operator : JC/SP
Sample : K3496-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF64

Quant Time: Jun 25 06:57:59 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	194017	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90449	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63438	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.68%
7) Chloroethane-d5	1.68	69	53718	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.60%
11) 1,1-Dichloroethene-d2	2.27	63	99862	37.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.78%
21) 2-Butanone-d5	4.17	46	122151	110.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.68%
24) Chloroform-d	4.64	84	131848	51.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.30%
26) 1,2-Dichloroethane-d4	5.30	65	91343	53.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.40%
32) Benzene-d6	5.33	84	256603	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
36) 1,2-Dichloropropane-d6	6.32	67	82179	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.24%
41) Toluene-d8	7.56	98	233316	50.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.64%
43) trans-1,3-Dichloropropene-	7.85	79	40954	50.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.82%
47) 2-Hexanone-d5	8.31	63	73004	100.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	120200	49.79	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.58%
64) 1,2-Dichlorobenzene-d4	11.85	152	90458	51.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.36%

Target Compounds

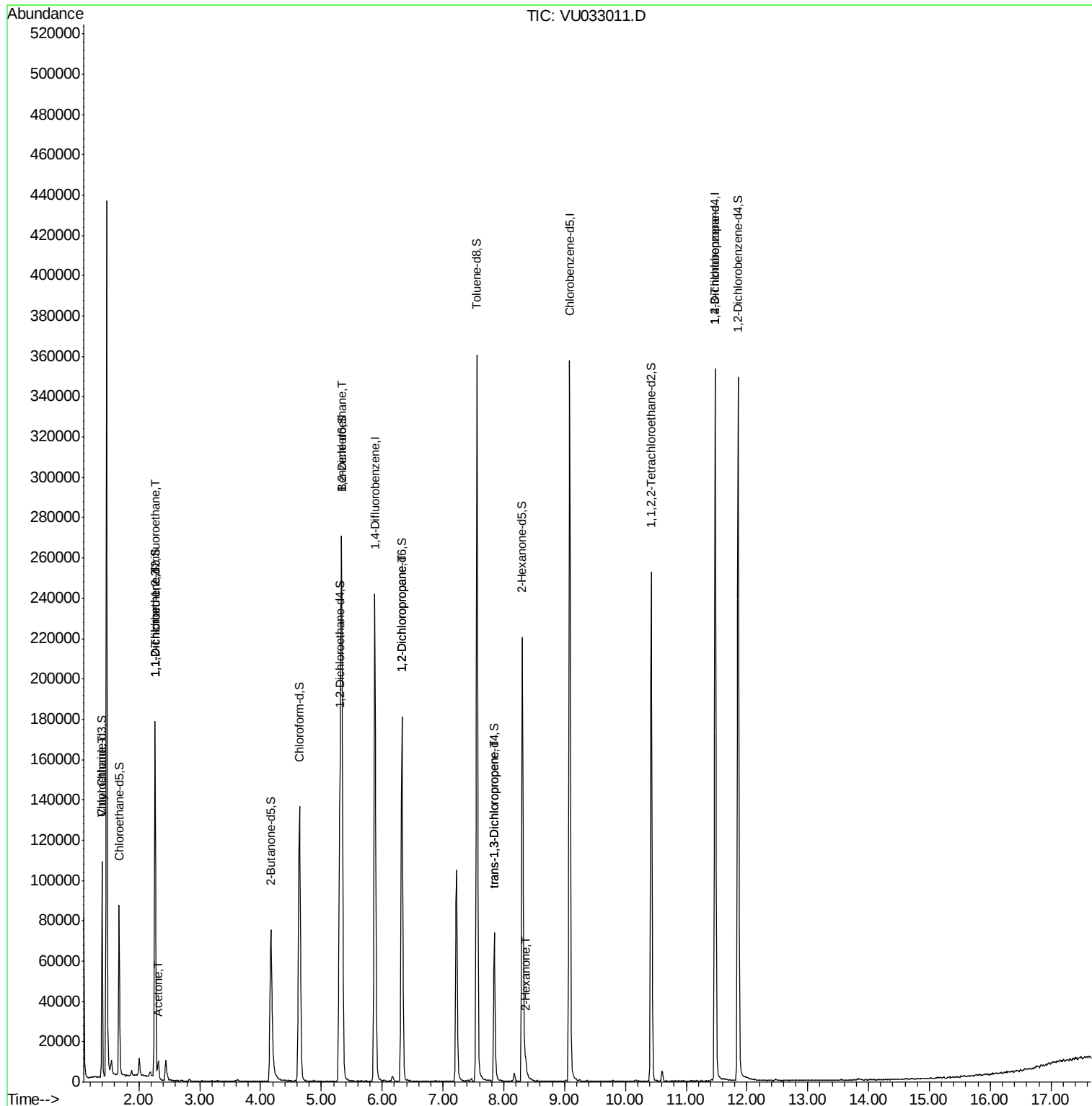
					Qvalue
8) Chloroethane	1.40	64	915	0.902 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	849	0.655 ug/L #	17
12) 1,1-Dichloroethene	2.27	96	702	0.575 ug/L #	1
13) Acetone	2.32	43	9223	6.051 ug/L	93
27) 1,2-Dichloroethane	5.32	62	1600	0.748 ug/L #	77
37) 1,2-Dichloropropane	6.32	63	10013	6.738 ug/L #	88
44) trans-1,3-Dichloropropene	7.84	75	2156	0.991 ug/L #	74
48) 2-Hexanone	8.36	43	3981	1.902 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	11797	5.949 ug/L	93

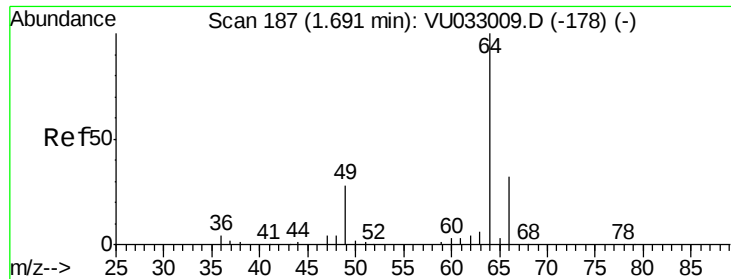
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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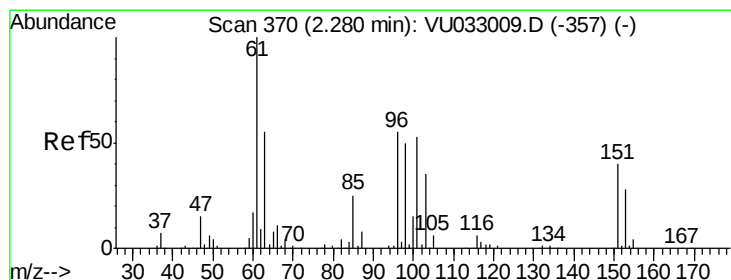
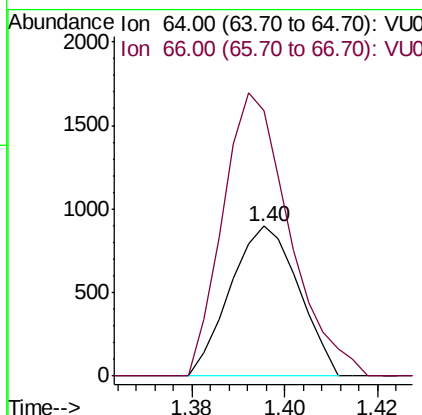
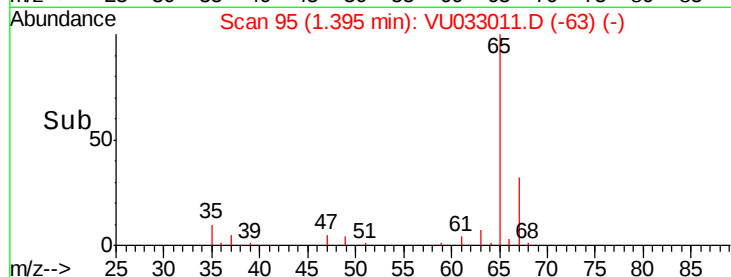
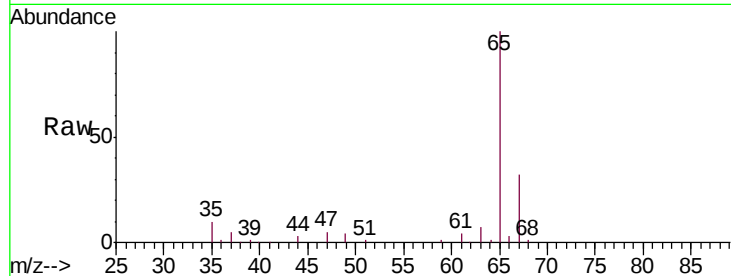




#8
 Chloroethane
 Concen: 0.902 ug/L
 RT: 1.40 min Scan# 95
 Delta R.T. -0.30 min
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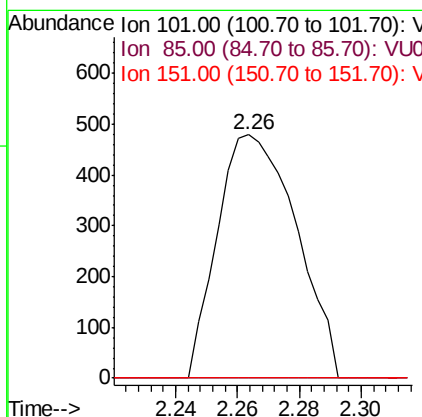
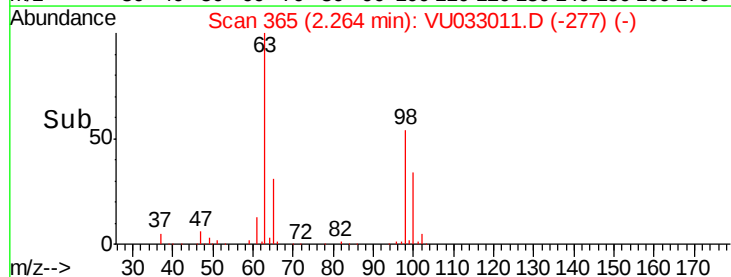
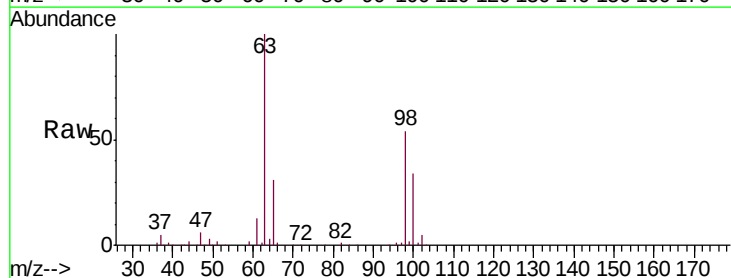
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF64

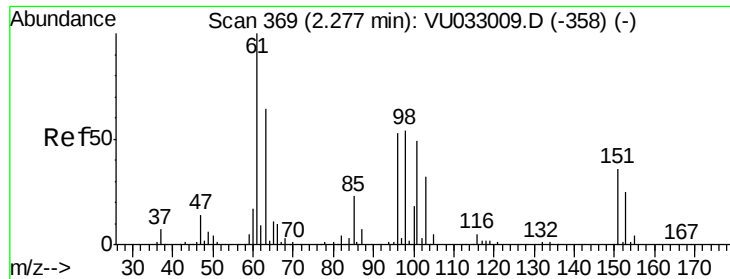
Tgt Ion: 64 Resp: 915
 Ion Ratio Lower Upper
 64 100
 66 177.1 22.5 41.7#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.655 ug/L
 RT: 2.26 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VU033011.D
 Acq: 24 Jun 2019 17:33

Tgt Ion: 101 Resp: 849
 Ion Ratio Lower Upper
 101 100
 85 0.0 36.8 55.2#
 151 0.0 63.6 95.4#

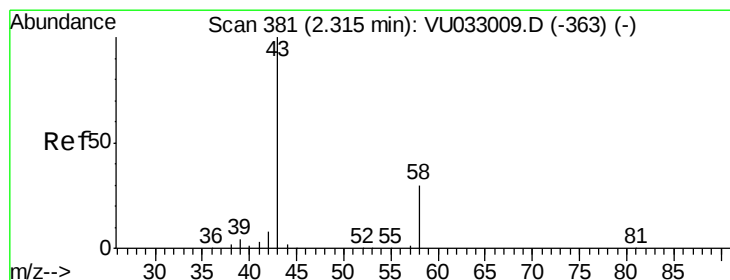
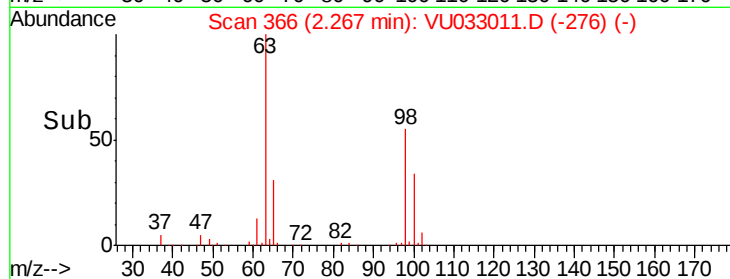
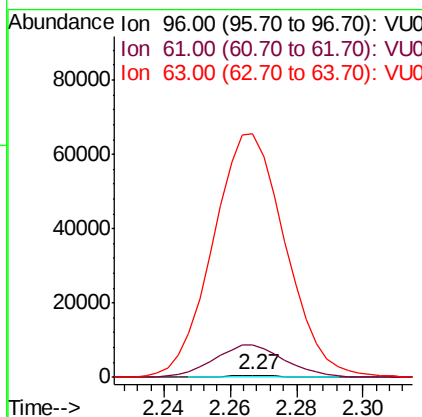
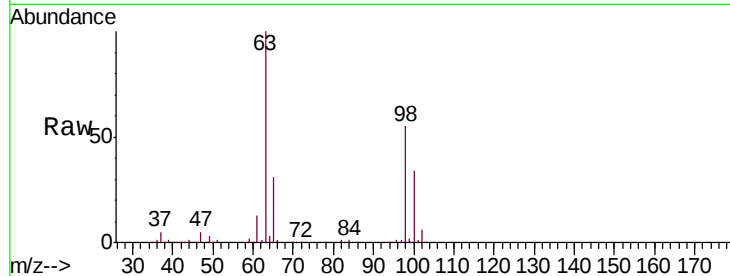




#12
 1,1-Dichloroethene
 Concen: 0.575 ug/L
 RT: 2.27 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VU033011.D
 Acq: 24 Jun 2019 17:33

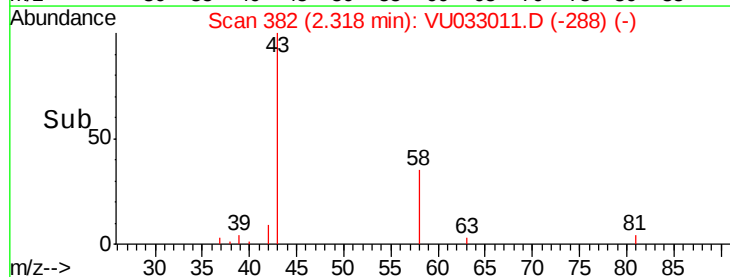
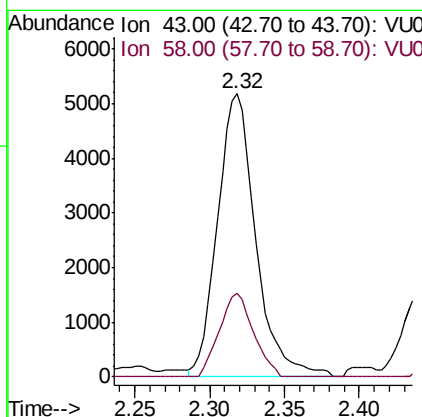
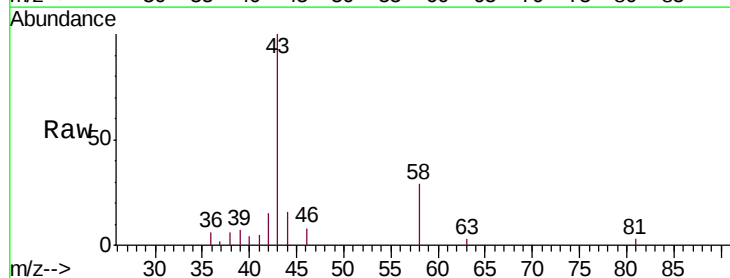
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF64

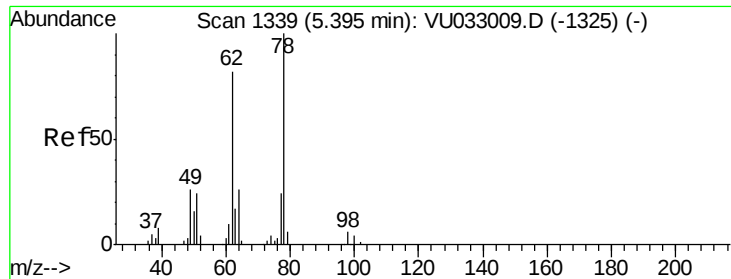
Tgt Ion: 96 Resp: 702
 Ion Ratio Lower Upper
 96 100
 61 1777.6 131.0 243.4#
 63 13563.6 101.0 187.6#



#13
 Acetone
 Concen: 6.051 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU033011.D
 Acq: 24 Jun 2019 17:33

Tgt Ion: 43 Resp: 9223
 Ion Ratio Lower Upper
 43 100
 58 26.3 0.0 60.6





#27

1,2-Dichloroethane

Concen: 0.748 ug/L

RT: 5.32 min Scan# 1317

Delta R.T. -0.07 min

Lab File: VU033011.D

Acq: 24 Jun 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

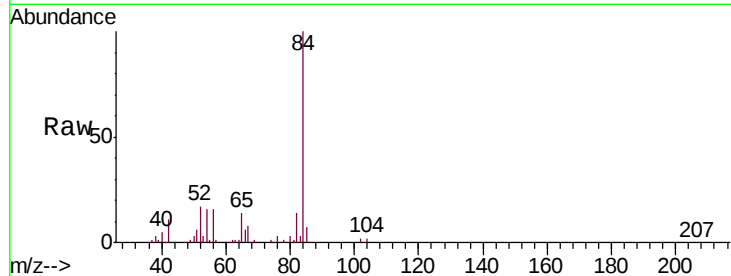
ETF64

Tgt Ion: 62 Resp: 1600

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU033011.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU033011.D (-1325) (-)

5.32

600

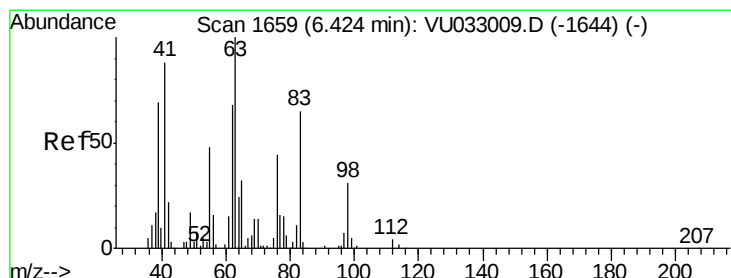
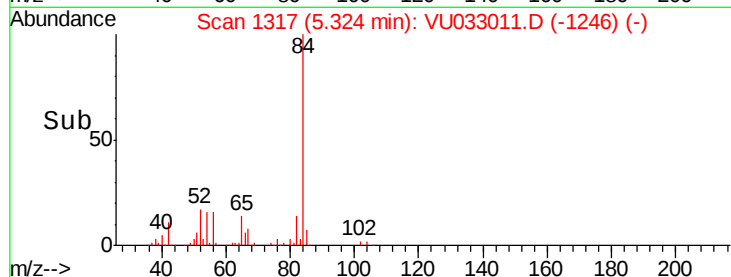
400

200

0

5.30 5.35

Time-->



#37

1,2-Dichloropropane

Concen: 6.738 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.10 min

Lab File: VU033011.D

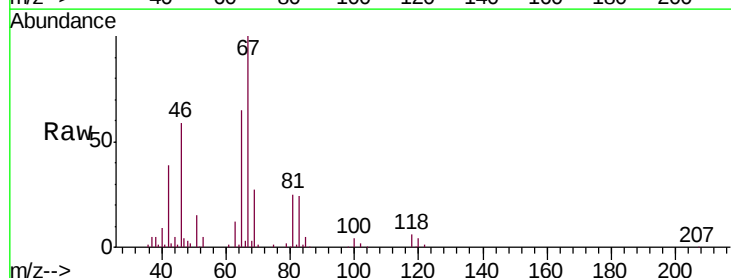
Acq: 24 Jun 2019 17:33

Tgt Ion: 63 Resp: 10013

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033011.D (-1566) (-)

Ion 112.00 (111.70 to 112.70): VU033011.D (-1566) (-)

6.32

5000

4000

3000

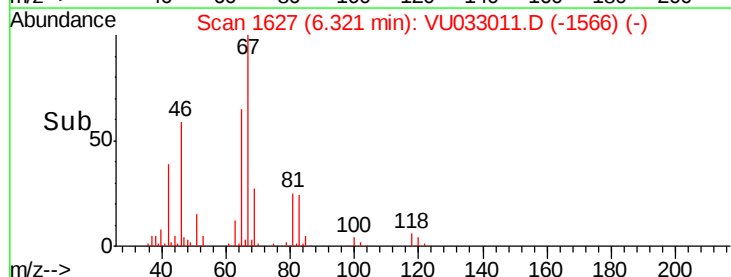
2000

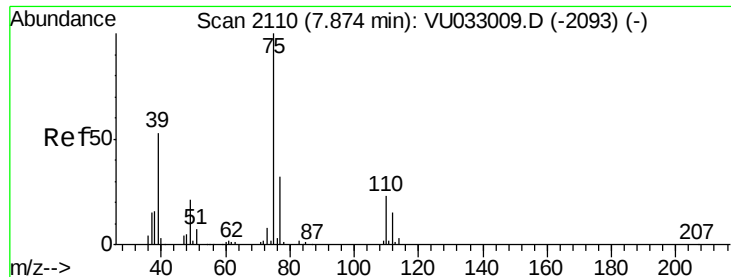
1000

0

6.25 6.30 6.35 6.40

Time-->

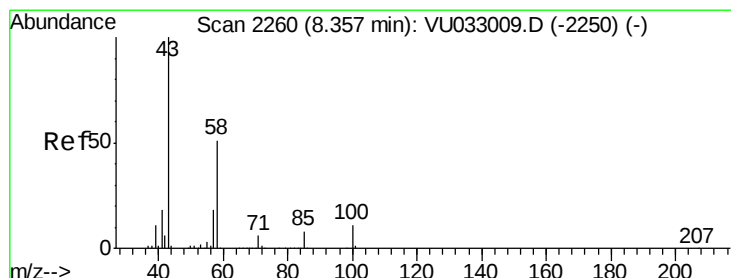
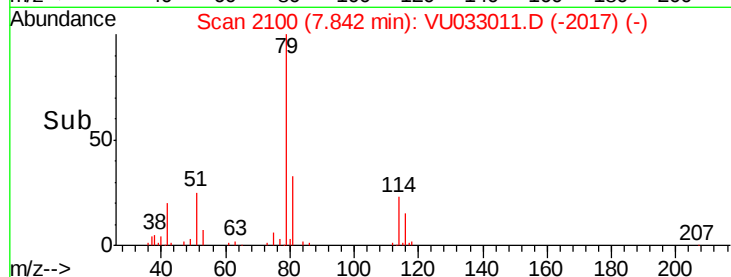
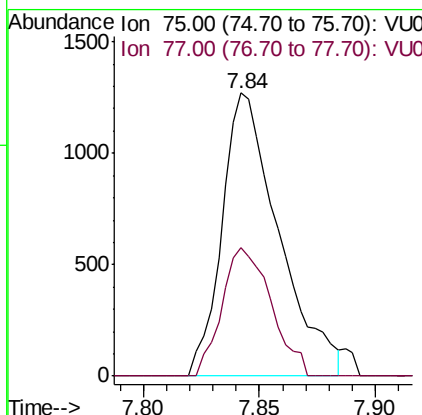
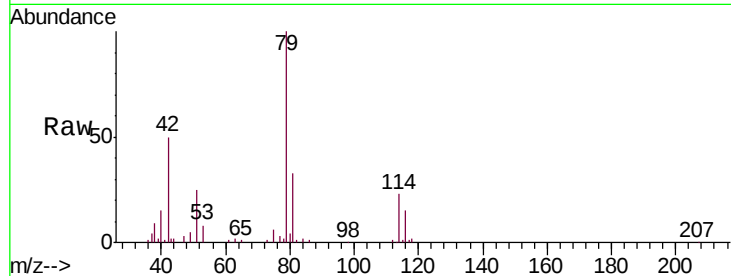




#44
trans-1,3-Dichloropropene
Concen: 0.991 ug/L
RT: 7.84 min Scan# 2100
Delta R.T. -0.03 min
Lab File: VU033011.D
Acq: 24 Jun 2019 17:33

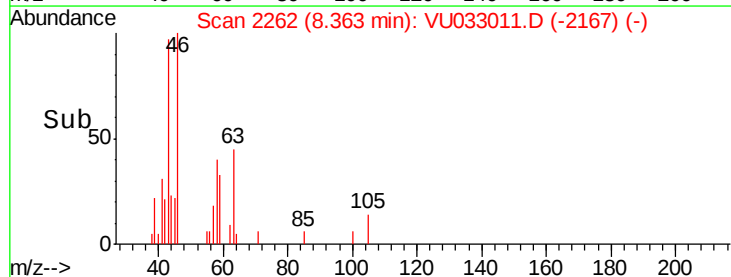
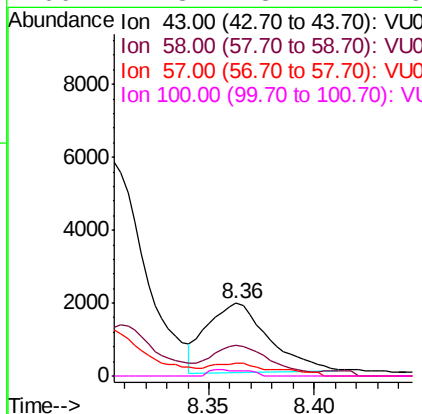
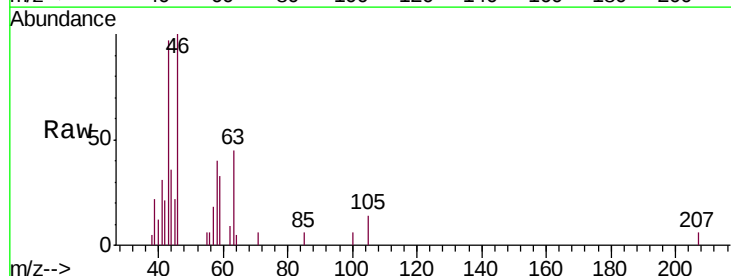
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ClientSampleId :
ETF64

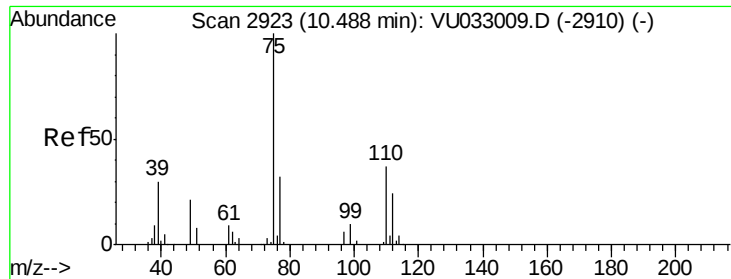
Tgt Ion: 75 Resp: 2156
Ion Ratio Lower Upper
75 100
77 45.2 21.8 40.4#



#48
2-Hexanone
Concen: 1.902 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU033011.D
Acq: 24 Jun 2019 17:33

Tgt Ion: 43 Resp: 3981
Ion Ratio Lower Upper
43 100
58 33.6 40.2 60.2#
57 14.7 14.2 21.4
100 4.3 8.4 12.6#





#59

1,2,3-Trichloropropane

Concen: 5.949 ug/L

RT: 11.48 min Scan# 3230

Delta R.T. 0.99 min

Lab File: VU033011.D

Acq: 24 Jun 2019 17:33

Instrument :

MSVOA_U

ClientSampleId :

ETF64

Tgt Ion: 75 Resp: 11797

Ion Ratio Lower Upper

75 100

77 35.5 25.5 38.3

