

Data File : VU033014.D
Acq On : 24 Jun 2019 18:42
Operator : JC/SP
Sample : K3464-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF47

Quant Time: Jun 25 06:58:23 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	193109	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188938	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91199	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63904	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.84%
7) Chloroethane-d5	1.68	69	53624	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.90%
11) 1,1-Dichloroethene-d2	2.26	63	97764	36.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.54%
21) 2-Butanone-d5	4.17	46	126044	114.75	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.75%
24) Chloroform-d	4.64	84	129538	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
26) 1,2-Dichloroethane-d4	5.30	65	92669	54.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.46%
32) Benzene-d6	5.33	84	255184	51.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.62%
36) 1,2-Dichloropropane-d6	6.32	67	82404	52.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.04%
41) Toluene-d8	7.56	98	231231	50.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.26%
43) trans-1,3-Dichloropropene-	7.84	79	39054	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
47) 2-Hexanone-d5	8.31	63	75496	103.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.05%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	119452	49.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	90027	51.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.02%

Target Compounds

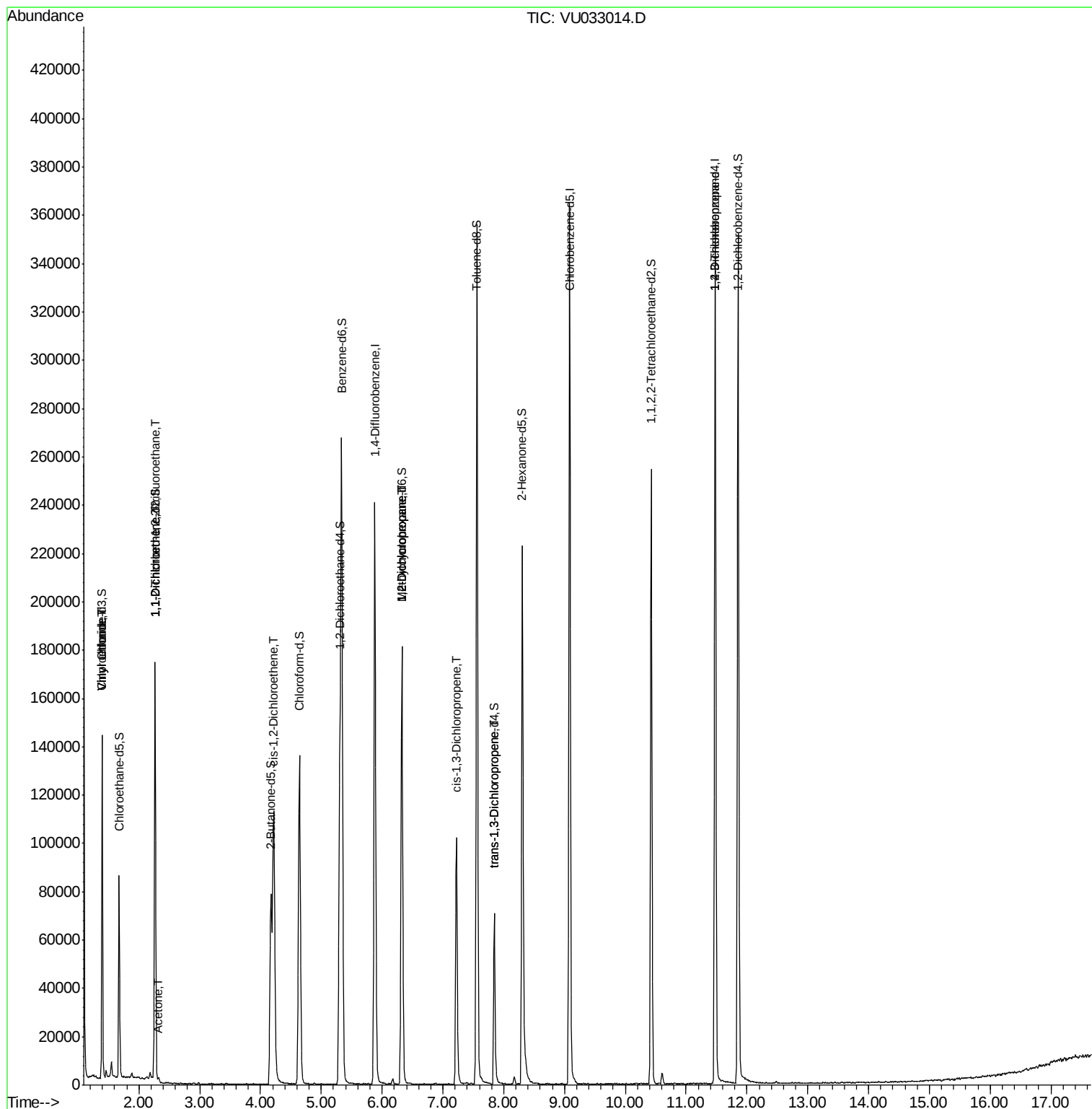
					Qvalue
5) Vinyl chloride	1.40	62	27097	15.452	ug/L 95
8) Chloroethane	1.40	64	9736	9.645	ug/L # 64
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	781	0.605	ug/L # 29
12) 1,1-Dichloroethene	2.26	96	670	0.551	ug/L # 1
13) Acetone	2.32	43	858	0.566	ug/L 82
20) cis-1,2-Dichloroethene	4.22	96	56975	39.659	ug/L 100
35) Methylcyclohexane	6.32	83	19341	8.604	ug/L # 18
37) 1,2-Dichloropropane	6.32	63	10044	6.727	ug/L # 88
39) cis-1,3-Dichloropropene	7.23	75	2968	1.276	ug/L # 59
44) trans-1,3-Dichloropropene	7.84	75	2106	0.964	ug/L 96
59) 1,2,3-Trichloropropane	11.48	75	12117	6.081	ug/L 93

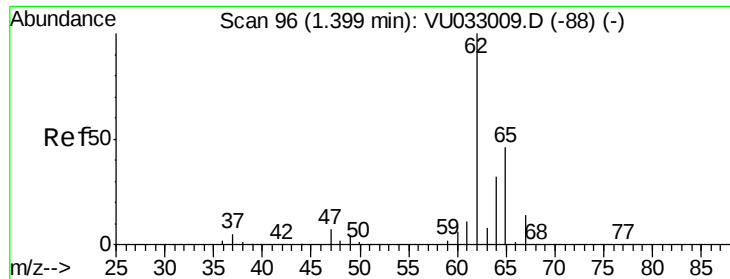
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 15.452 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033014.D

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MSVOA_U

ClientSampleId :

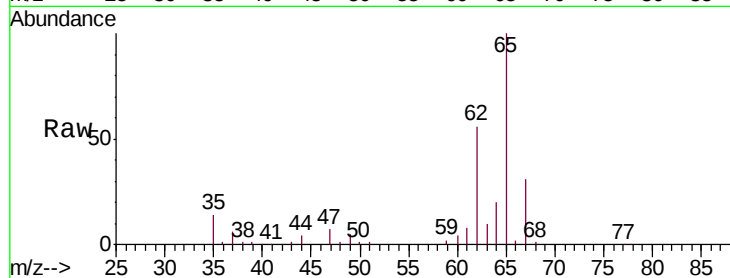
ETF47

Tgt Ion: 62 Resp: 27097

Ion Ratio Lower Upper

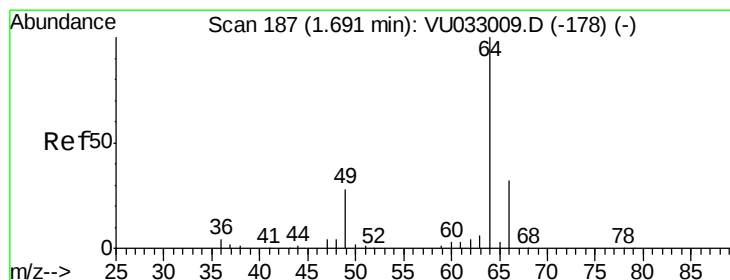
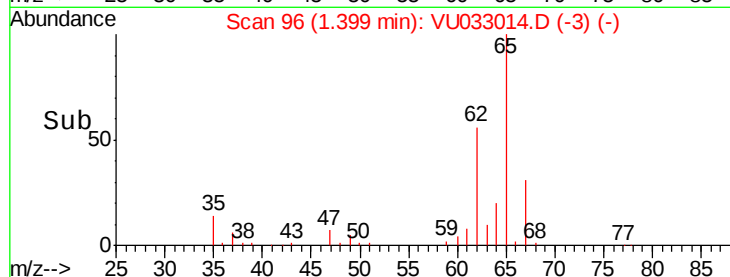
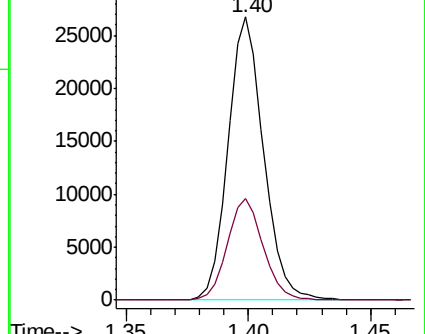
62 100

64 35.7 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: 9.645 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033014.D

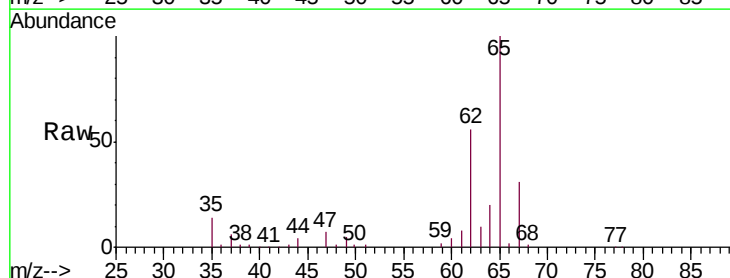
Acq: 24 Jun 2019 18:42

Tgt Ion: 64 Resp: 9736

Ion Ratio Lower Upper

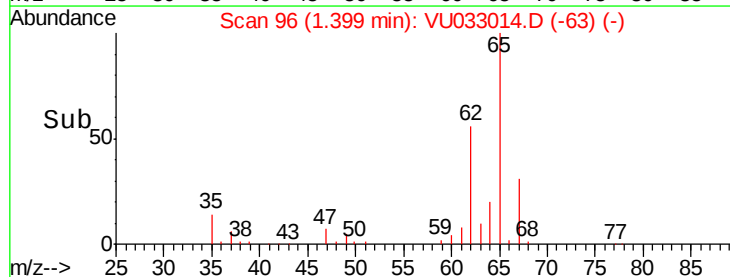
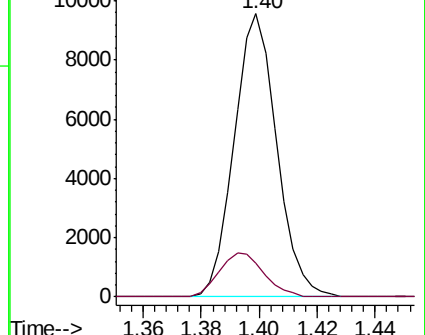
64 100

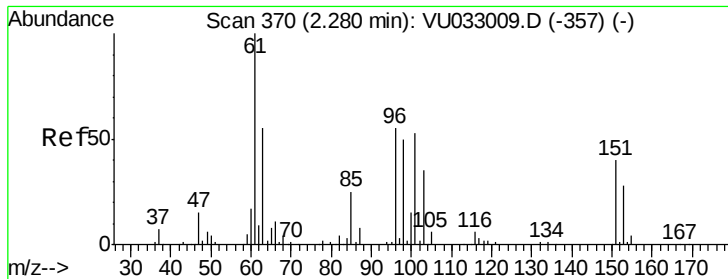
66 11.8 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.605 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033014.D

Acq: 24 Jun 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

ETF47

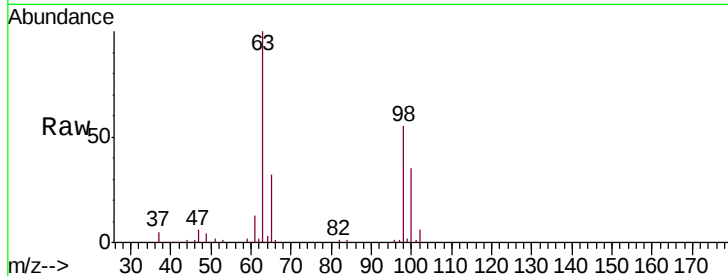
Tgt Ion:101 Resp: 781

Ion Ratio Lower Upper

101 100

85 21.0 36.8 55.2#

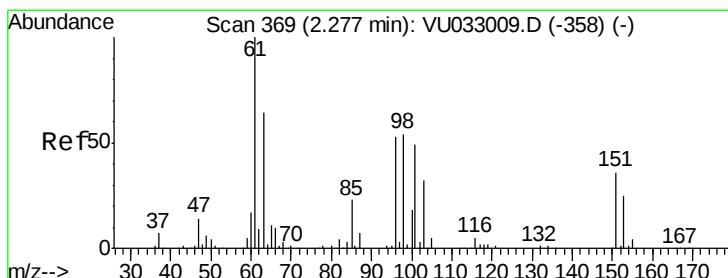
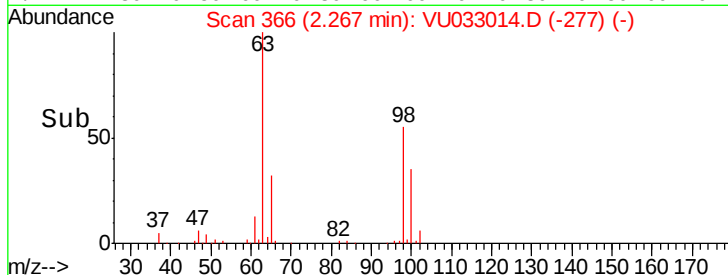
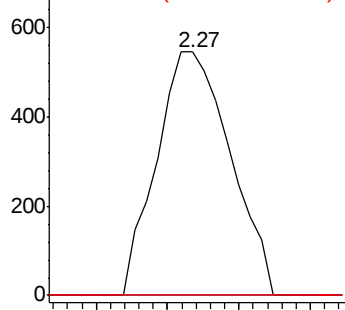
151 0.0 63.6 95.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.551 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: VU033014.D

Acq: 24 Jun 2019 18:42

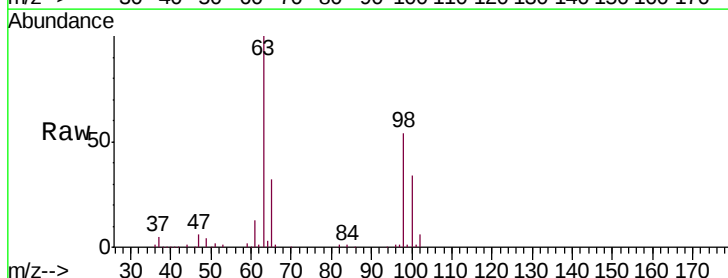
Tgt Ion: 96 Resp: 670

Ion Ratio Lower Upper

96 100

61 1972.5 131.0 243.4#

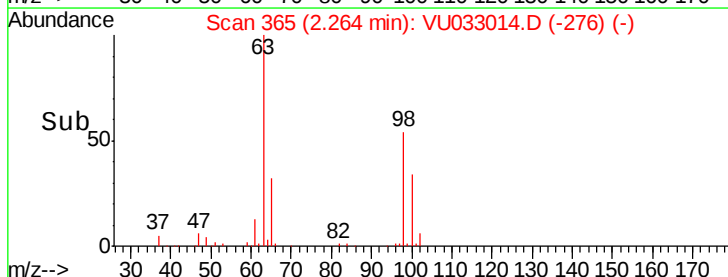
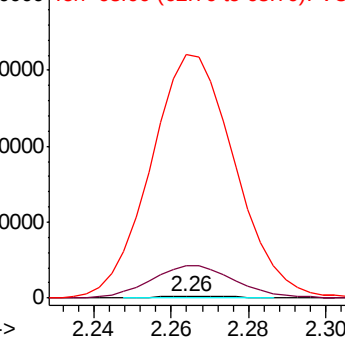
63 14955.7 101.0 187.6#

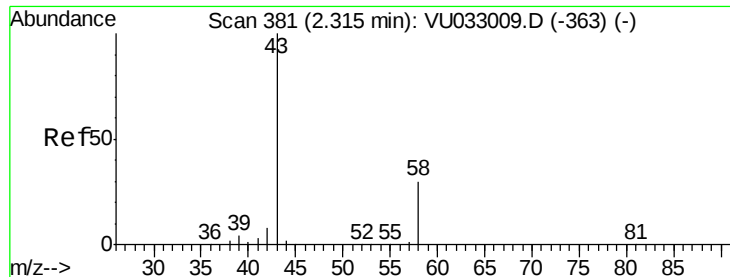


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.566 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU033014.D

Acq: 24 Jun 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

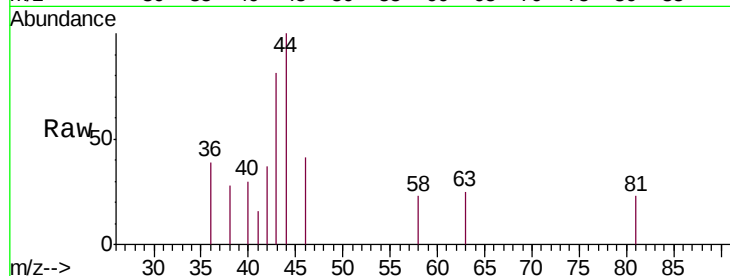
ETF47

Tgt Ion: 43 Resp: 858

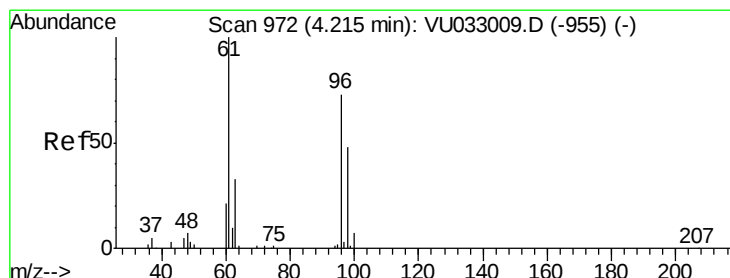
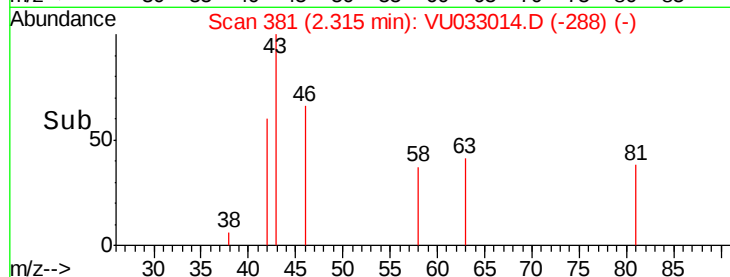
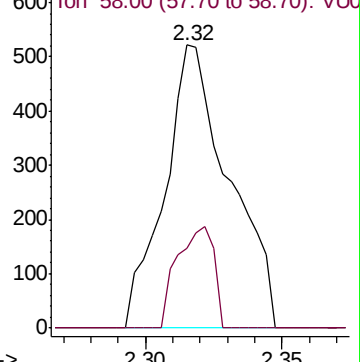
Ion Ratio Lower Upper

43 100

58 20.3 0.0 60.6



Abundance Ion 43.00 (42.70 to 43.70): VU033009.D (-363) (-)



#20

cis-1,2-Dichloroethene

Concen: 39.659 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU033014.D

Acq: 24 Jun 2019 18:42

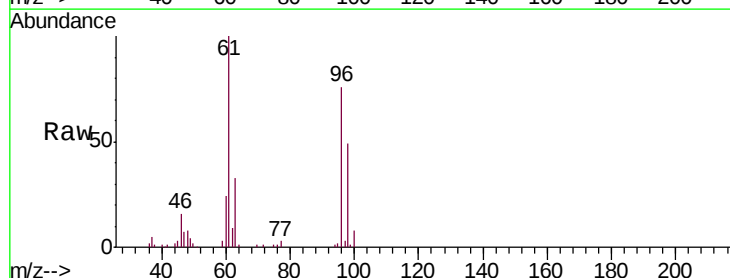
Tgt Ion: 96 Resp: 56975

Ion Ratio Lower Upper

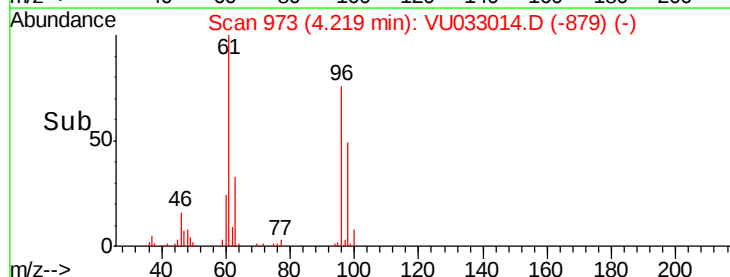
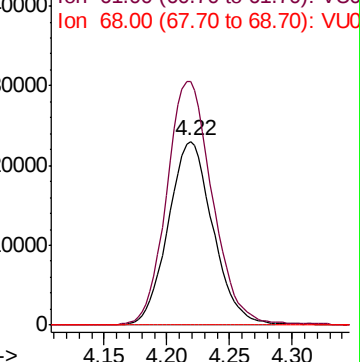
96 100

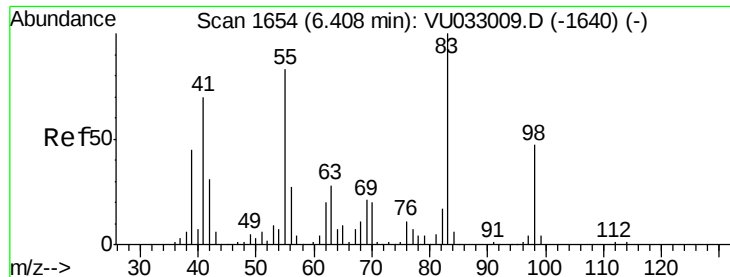
61 132.3 92.4 171.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

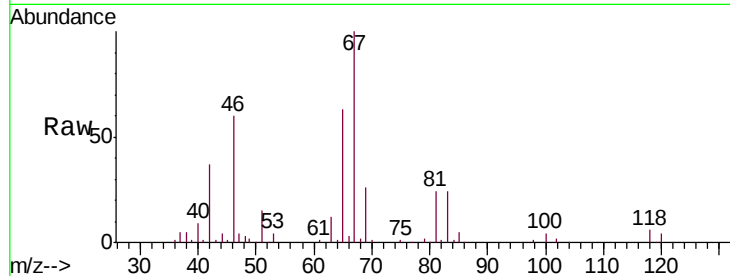




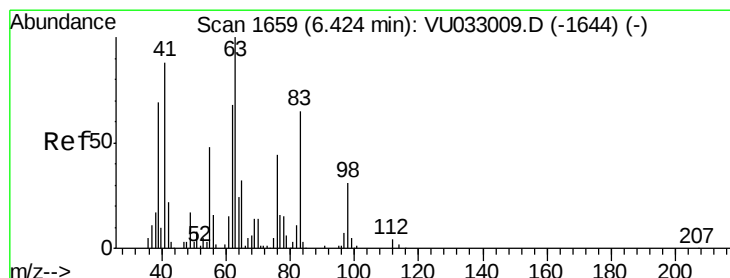
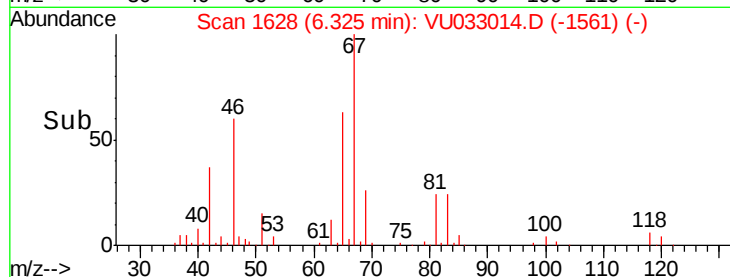
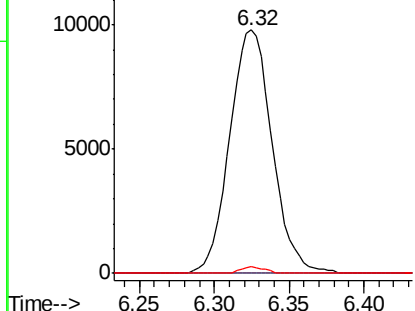
#35
Methylcyclohexane
Concen: 8.604 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU033014.D
Acq: 24 Jun 2019 18:42

Instrument :
MSVOA_U
ClientSampleId :
ETF47

Tgt Ion: 83 Resp: 19341
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 1.5 37.4 56.0#

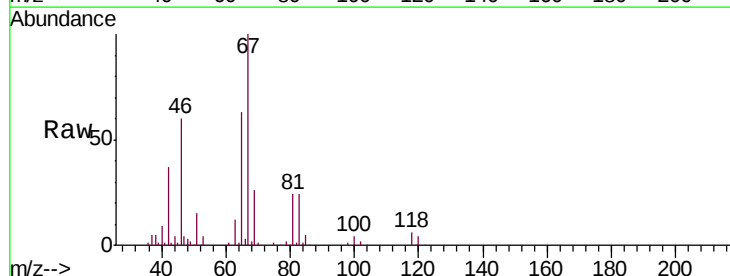


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

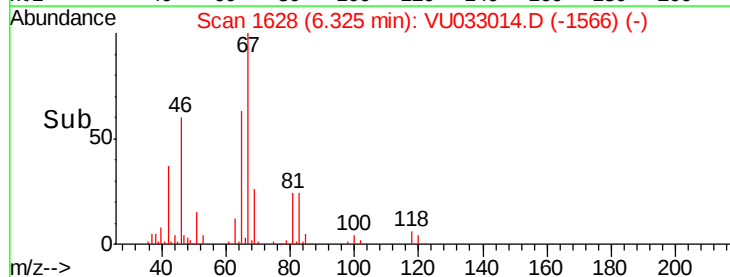
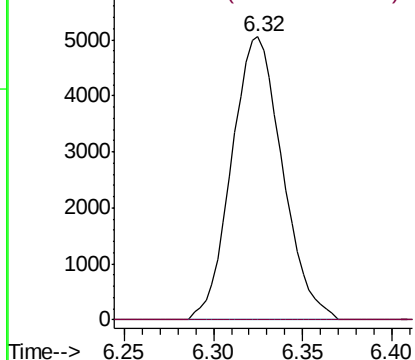


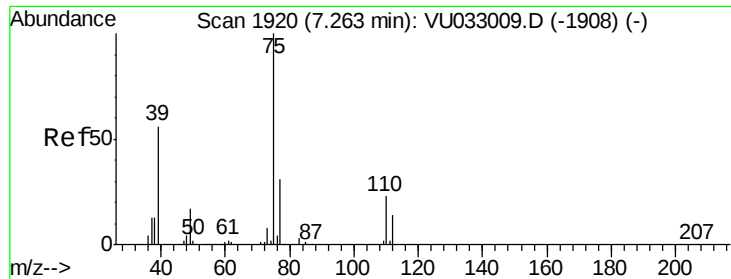
#37
1,2-Dichloropropane
Concen: 6.727 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VU033014.D
Acq: 24 Jun 2019 18:42

Tgt Ion: 63 Resp: 10044
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: 1.276 ug/L

RT: 7.23 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU033014.D

Acq: 24 Jun 2019 18:42

Instrument :

MSVOA_U

ClientSampleId :

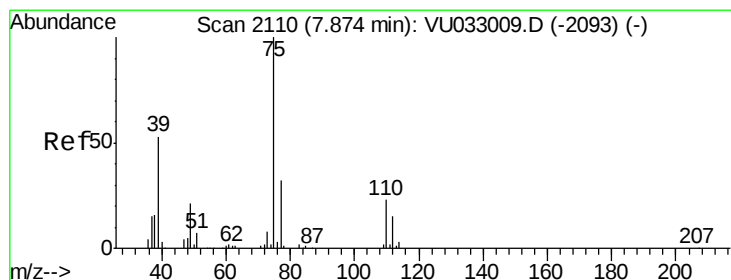
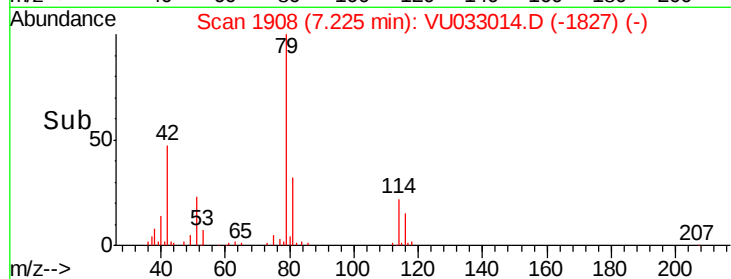
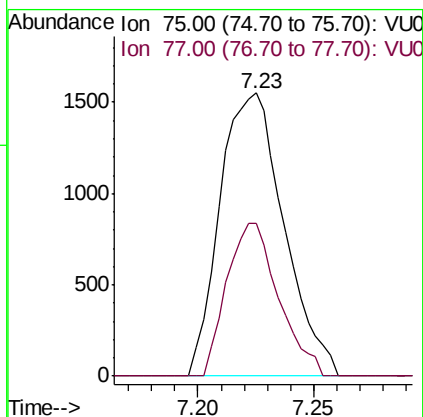
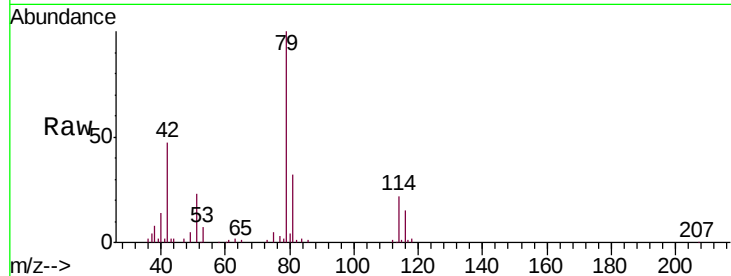
ETF47

Tgt Ion: 75 Resp: 2968

Ion Ratio Lower Upper

75 100

77 53.8 21.9 40.7#



#44

trans-1,3-Dichloropropene

Concen: 0.964 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU033014.D

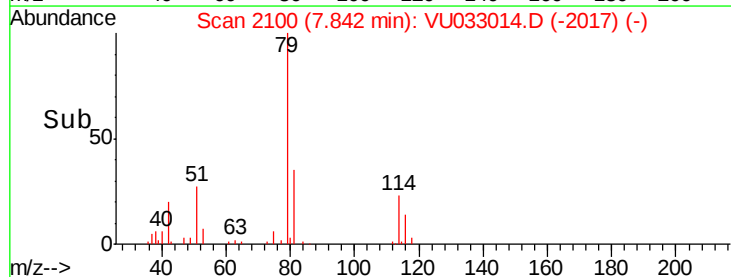
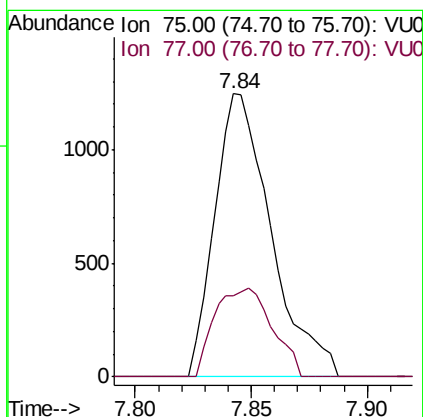
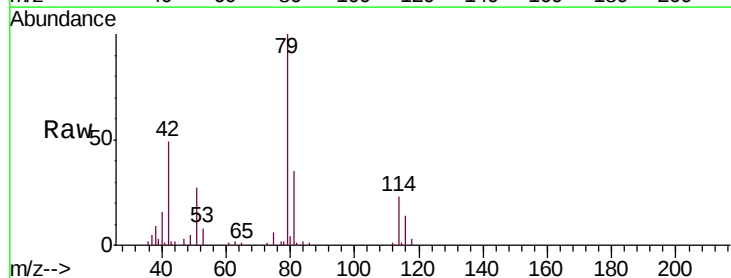
Acq: 24 Jun 2019 18:42

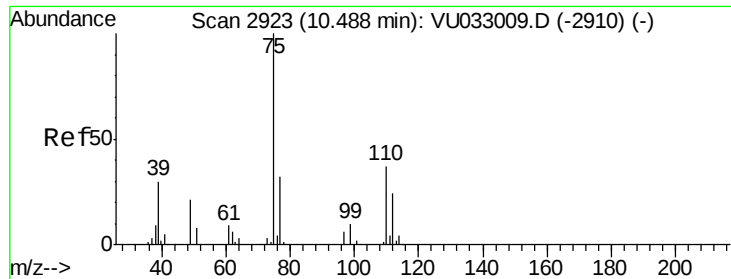
Tgt Ion: 75 Resp: 2106

Ion Ratio Lower Upper

75 100

77 28.8 21.8 40.4





#59
 1,2,3-Trichloropropane
 Concen: 6.081 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU033014.D
 Acq: 24 Jun 2019 18:42

Instrument :
 MSVOA_U
 ClientSampleId :
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Tgt Ion: 75 Resp: 12117
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.5 38.3

