

Data File : VU033016.D
Acq On : 24 Jun 2019 19:28
Operator : JC/SP
Sample : K3478-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF24

Quant Time: Jun 25 06:58:39 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	194252	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193582	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91891	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64470	48.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.12%
7) Chloroethane-d5	1.68	69	53588	50.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.22%
11) 1,1-Dichloroethene-d2	2.27	63	99037	37.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.06%
21) 2-Butanone-d5	4.17	46	122726	111.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.07%
24) Chloroform-d	4.64	84	129198	50.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.12%
26) 1,2-Dichloroethane-d4	5.30	65	92140	53.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.20%
32) Benzene-d6	5.33	84	255021	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.32	67	81895	50.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.88%
41) Toluene-d8	7.56	98	230248	48.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.44%
43) trans-1,3-Dichloropropene-	7.85	79	38861	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
47) 2-Hexanone-d5	8.31	63	73247	97.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.58%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	121865	49.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.08%
64) 1,2-Dichlorobenzene-d4	11.85	152	89449	50.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

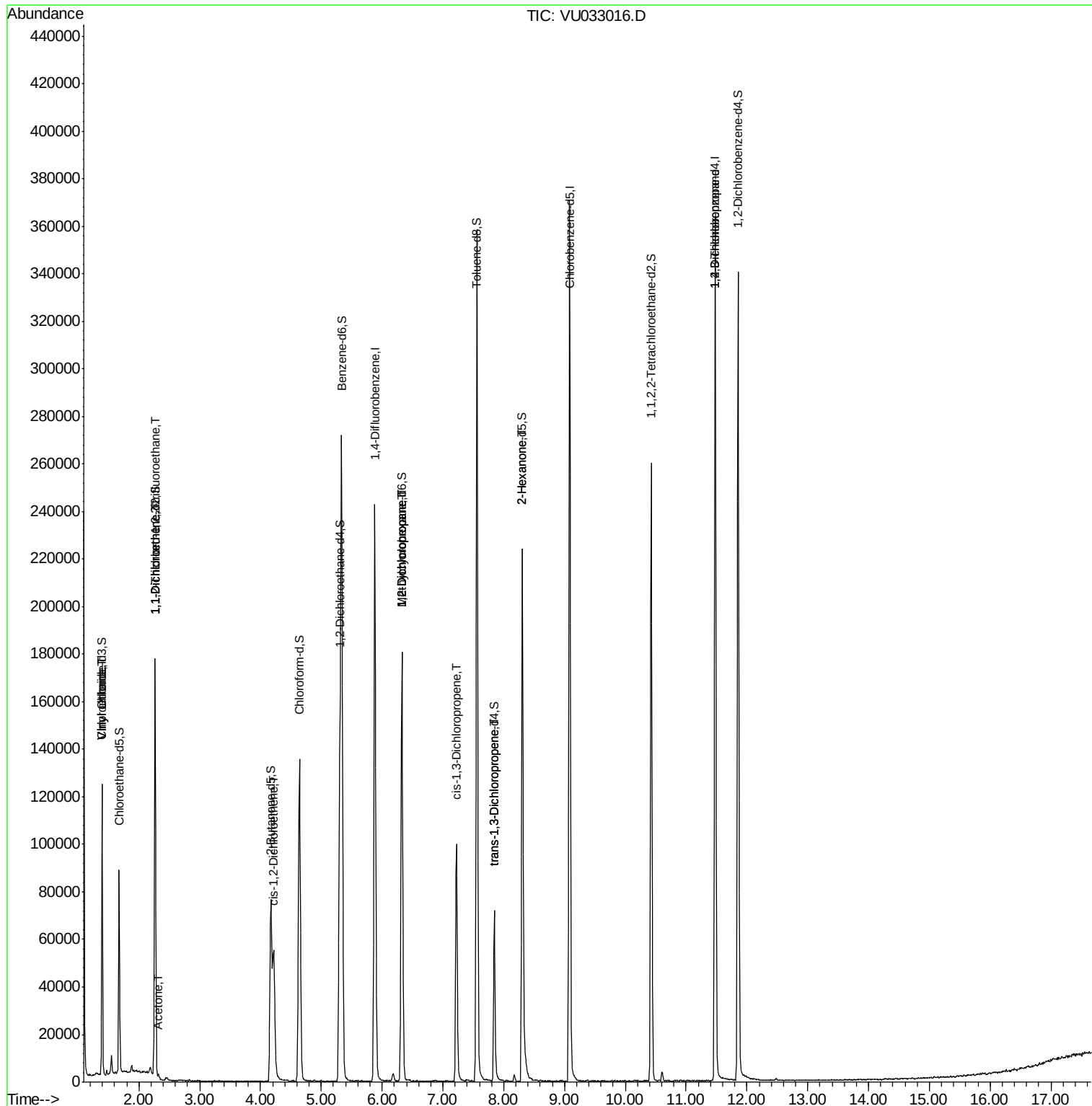
						Qvalue
5) Vinyl chloride	1.40	62	9533	5.404	ug/L	91
8) Chloroethane	1.40	64	3925	3.865	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	914	0.704	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	880	0.719	ug/L #	1
13) Acetone	2.32	43	1199	0.786	ug/L	71
20) cis-1,2-Dichloroethene	4.22	96	25168	17.416	ug/L	93
35) Methylcyclohexane	6.32	83	19213	8.342	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10144	6.631	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2856	1.198	ug/L #	68
44) trans-1,3-Dichloropropene	7.85	75	2009	0.897	ug/L	91
48) 2-Hexanone	8.31	43	10619	4.928	ug/L #	69
59) 1,2,3-Trichloropropane	11.48	75	11416	5.592	ug/L #	83

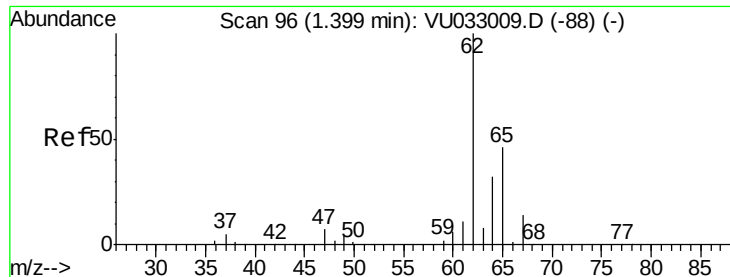
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.404 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033016.D

Acq: 24 Jun 2019 19:28

Instrument :

MSVOA_U

ClientSampled :

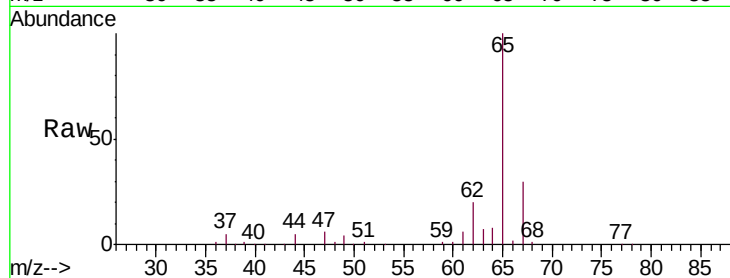
ETF24

Tgt Ion: 62 Resp: 9533

Ion Ratio Lower Upper

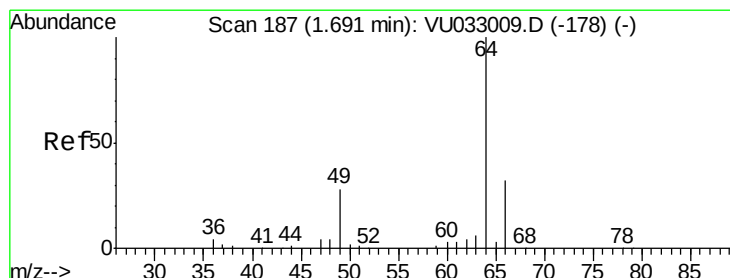
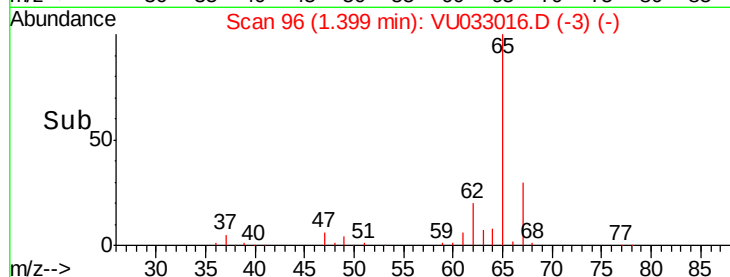
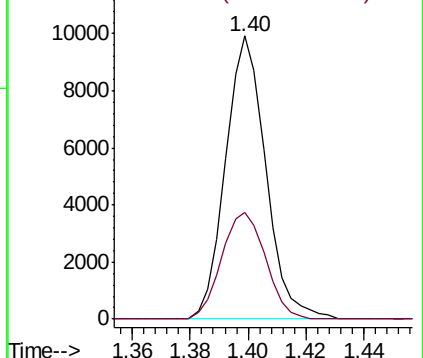
62 100

64 37.9 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: 3.865 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU033016.D

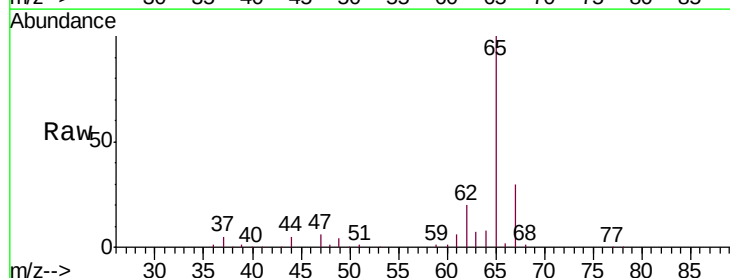
Acq: 24 Jun 2019 19:28

Tgt Ion: 64 Resp: 3925

Ion Ratio Lower Upper

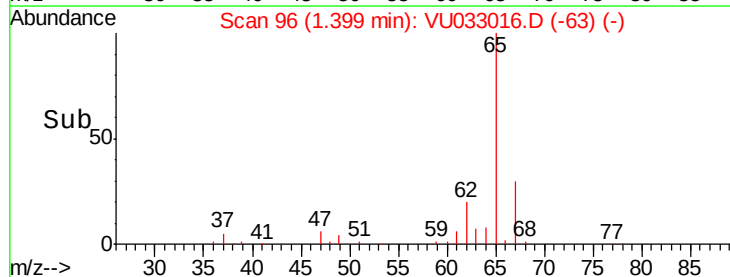
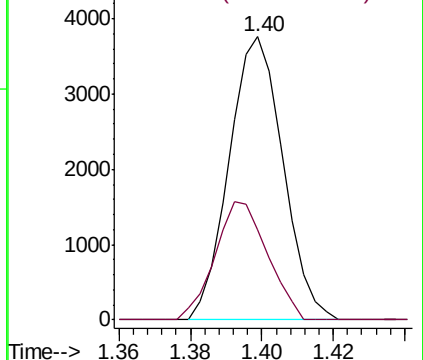
64 100

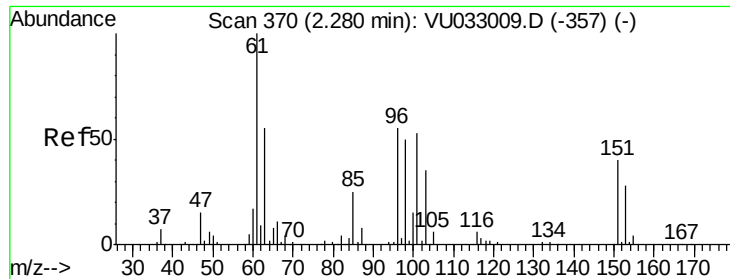
66 31.7 22.5 41.7



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: 0.704 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033016.D

Acq: 24 Jun 2019 19:28

Instrument :

MSVOA_U

ClientSampleId :

ETF24

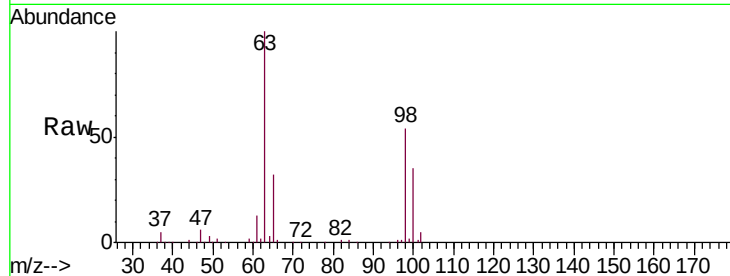
Tgt Ion: 101 Resp: 914

Ion Ratio Lower Upper

101 100

85 0.0 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

800

600

400

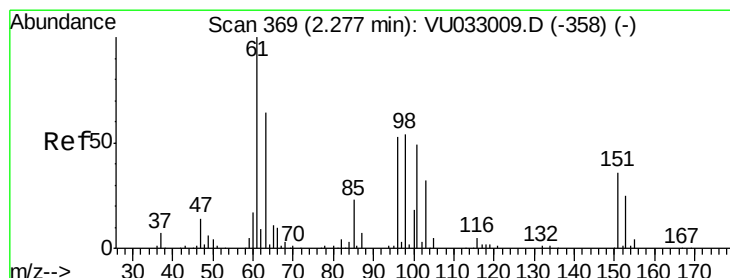
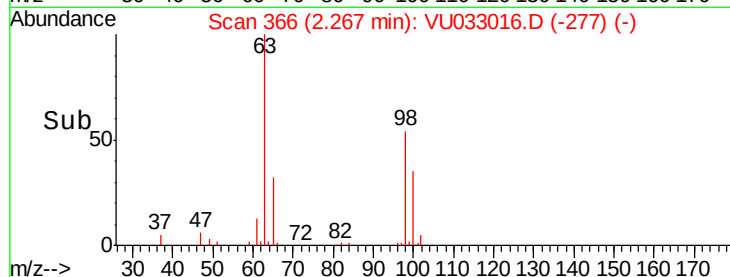
200

0

2.24 2.26 2.28 2.30

2.27

Time-->



#12

1,1-Dichloroethene

Concen: 0.719 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033016.D

Acq: 24 Jun 2019 19:28

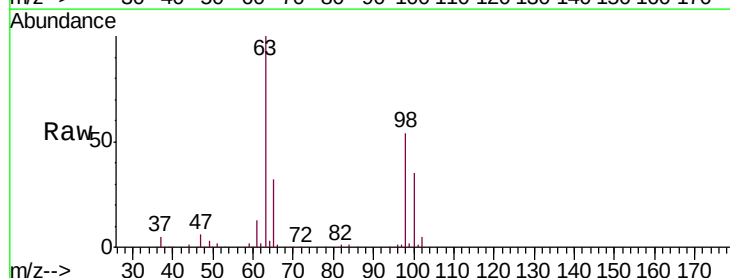
Tgt Ion: 96 Resp: 880

Ion Ratio Lower Upper

96 100

61 1349.4 131.0 243.4#

63 10500.5 101.0 187.6#



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

80000

60000

40000

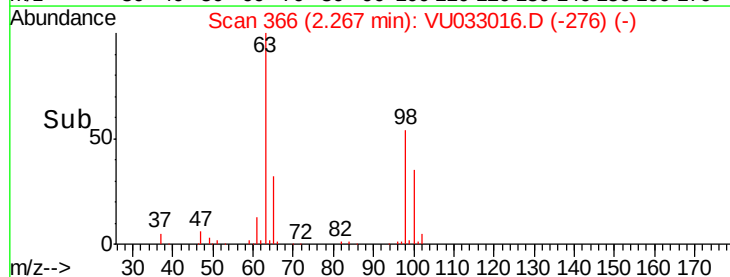
20000

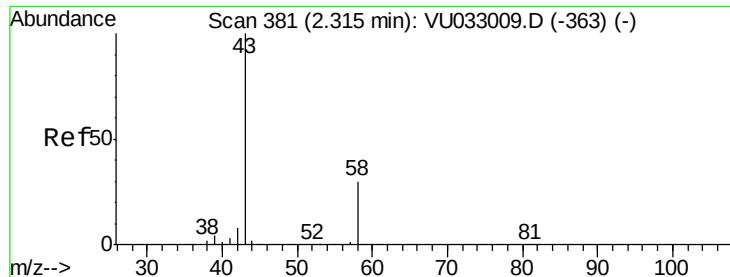
0

2.24 2.26 2.28 2.30

2.27

Time-->





#13

Acetone

Concen: 0.786 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033016.D

Acq: 24 Jun 2019 19:28

Instrument :

MSVOA_U

ClientSampleId :

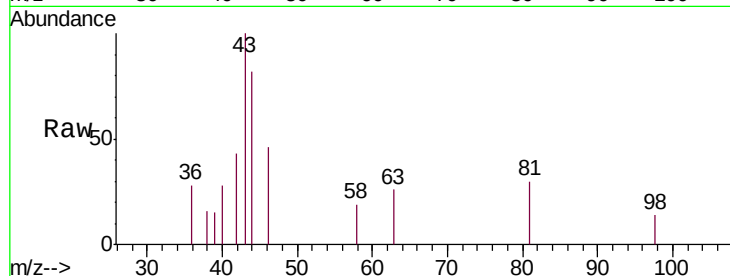
ETF24

Tgt Ion: 43 Resp: 1199

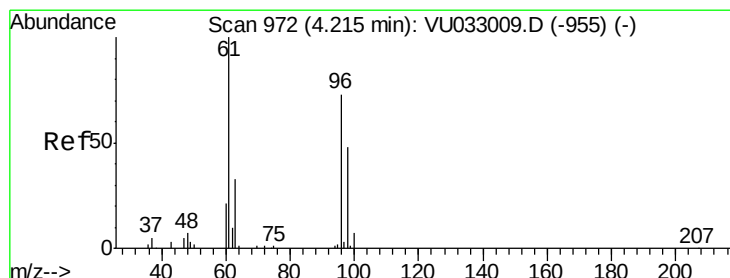
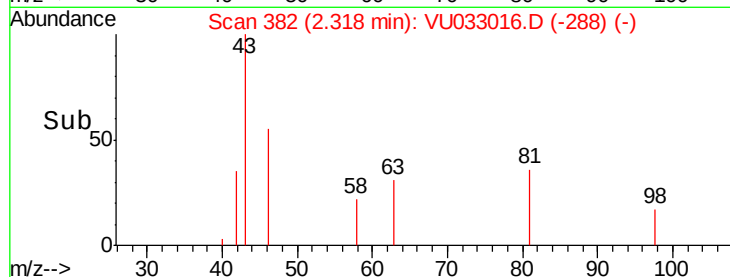
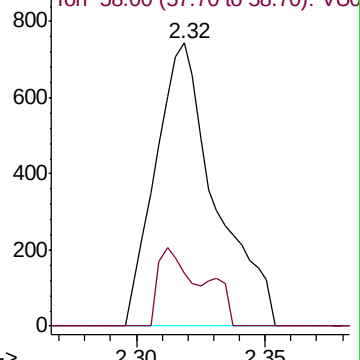
Ion Ratio Lower Upper

43 100

58 14.7 0.0 60.6



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



#20

cis-1,2-Dichloroethene

Concen: 17.416 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033016.D

Acq: 24 Jun 2019 19:28

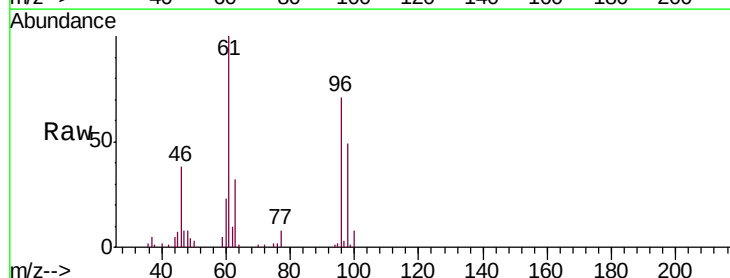
Tgt Ion: 96 Resp: 25168

Ion Ratio Lower Upper

96 100

61 140.4 92.4 171.6

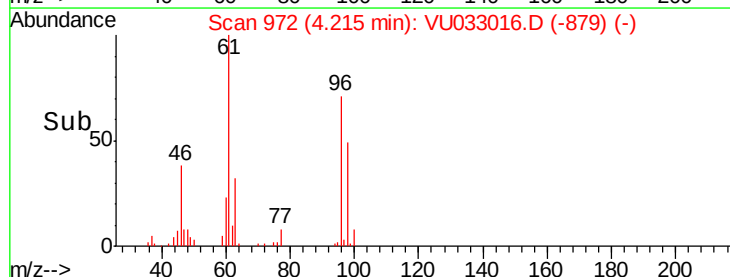
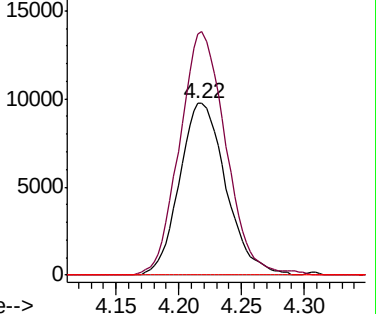
68 0.0 0.0 0.0

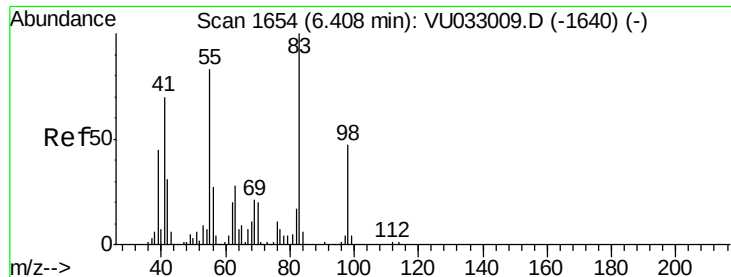


Abundance Ion 96.00 (95.70 to 96.70): VU033009.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU033009.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU033009.D (-955) (-)

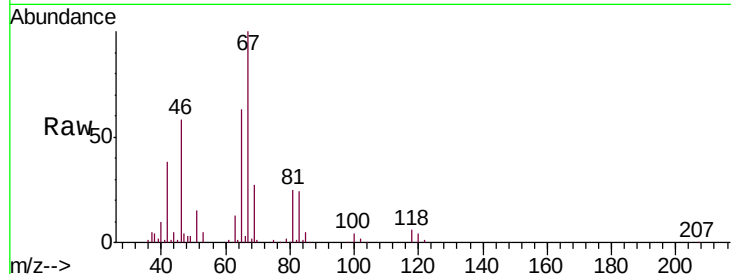




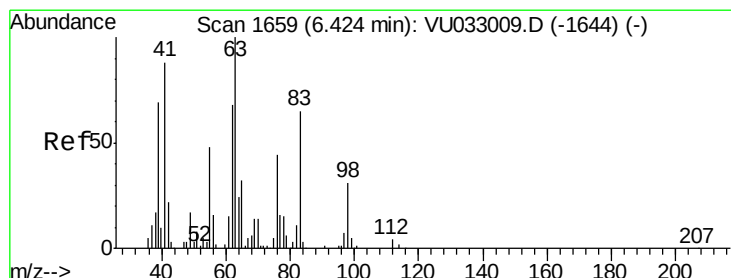
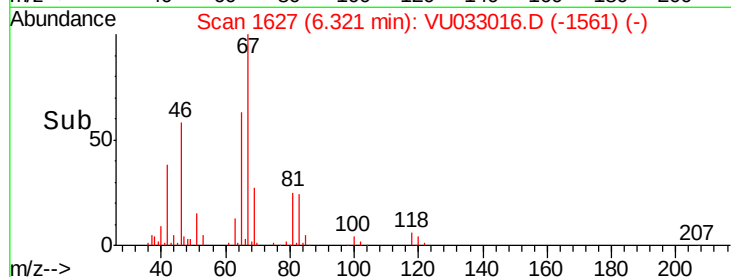
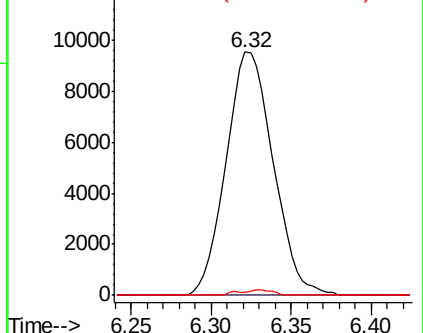
#35
Methylcyclohexane
Concen: 8.342 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.09 min
Lab File: VU033016.D
Acq: 24 Jun 2019 19:28

Instrument :
MSVOA_U
ClientSampleId :
ETF24

Tgt Ion: 83 Resp: 19213
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.4 37.4 56.0#

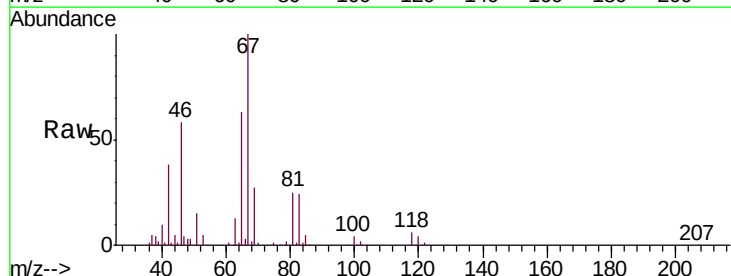


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

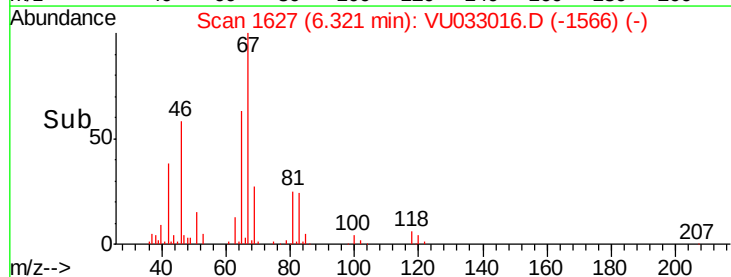
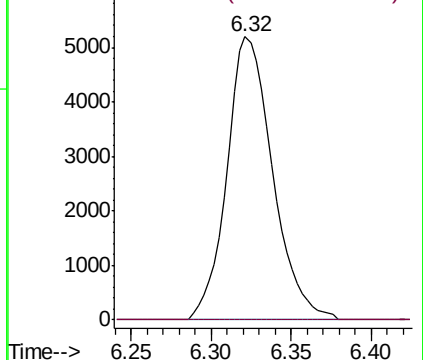


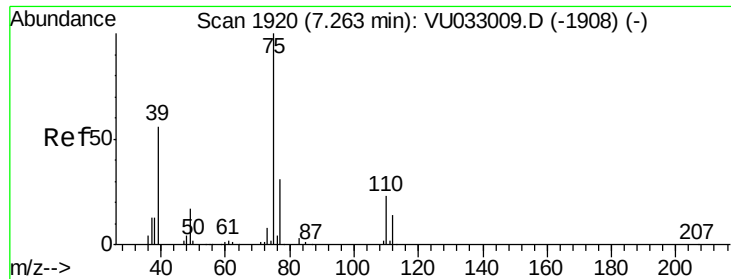
#37
1,2-Dichloropropane
Concen: 6.631 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.10 min
Lab File: VU033016.D
Acq: 24 Jun 2019 19:28

Tgt Ion: 63 Resp: 10144
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

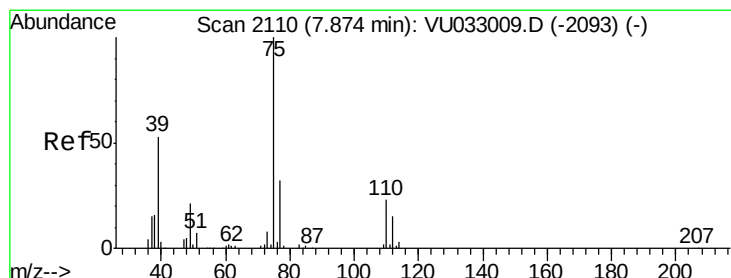
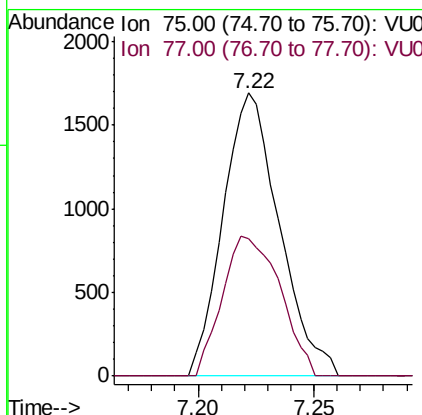
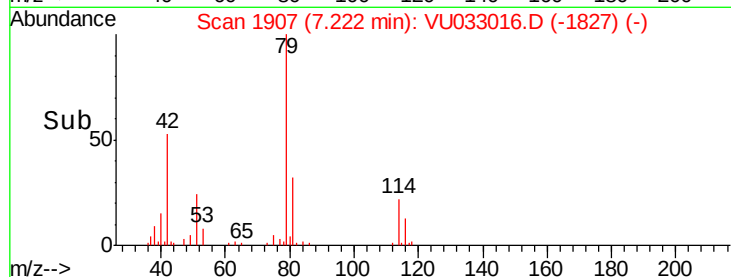
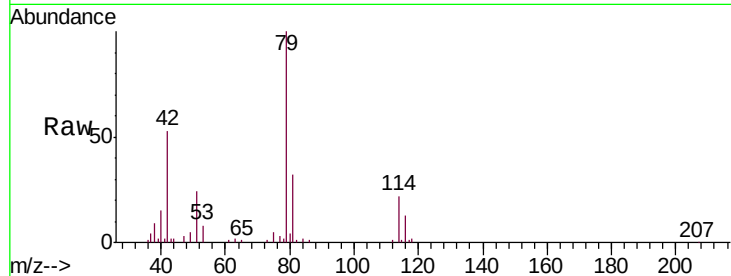




#39
 cis-1,3-Dichloropropene
 Concen: 1.198 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033016.D
 Acq: 24 Jun 2019 19:28

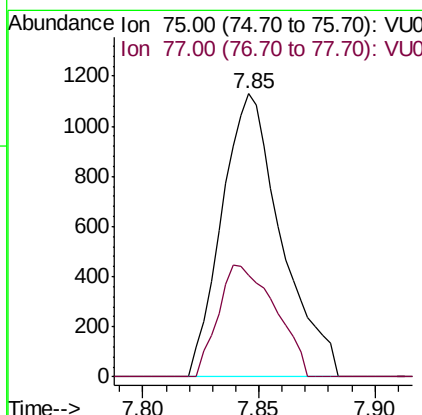
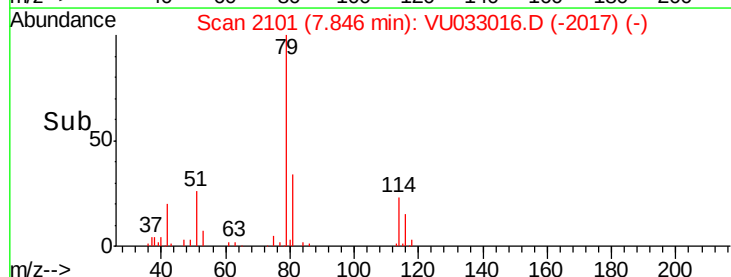
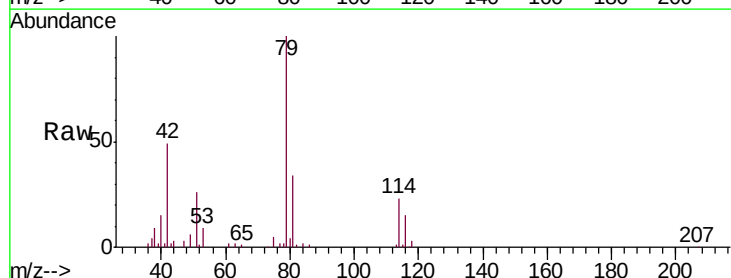
Instrument :
 MSVOA_U
 ClientSampled :
 ETF24

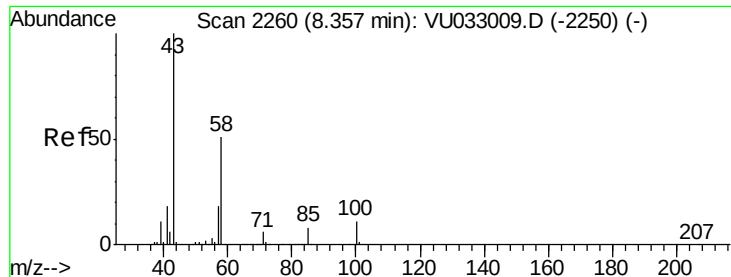
Tgt Ion: 75 Resp: 2856
 Ion Ratio Lower Upper
 75 100
 77 48.8 21.9 40.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.897 ug/L
 RT: 7.85 min Scan# 2101
 Delta R.T. -0.03 min
 Lab File: VU033016.D
 Acq: 24 Jun 2019 19:28

Tgt Ion: 75 Resp: 2009
 Ion Ratio Lower Upper
 75 100
 77 35.9 21.8 40.4

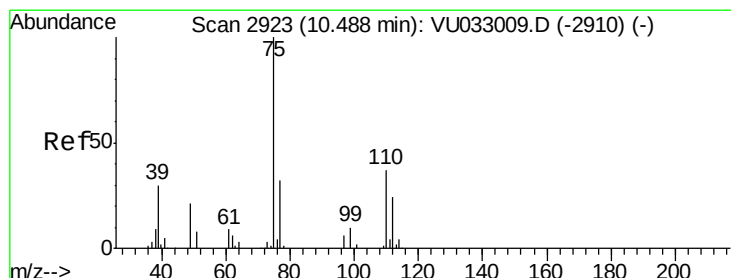
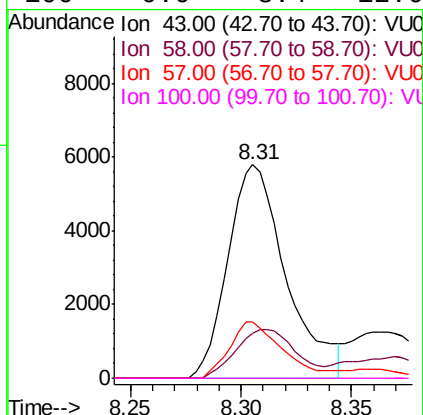
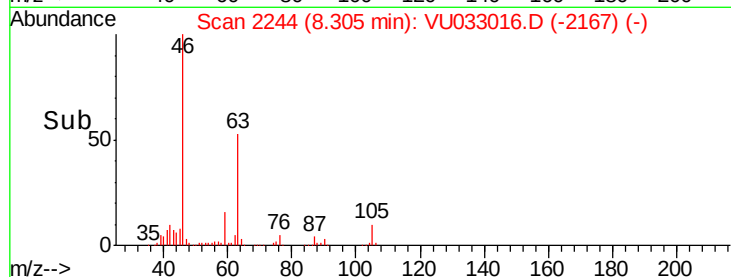
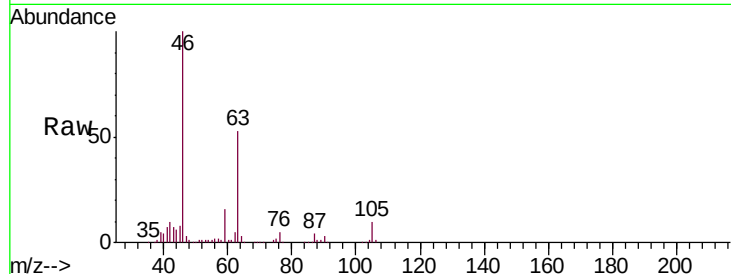




#48
 2-Hexanone
 Concen: 4.928 ug/L
 RT: 8.31 min Scan# 2244
 Delta R.T. -0.05 min
 Lab File: VU033016.D
 Acq: 24 Jun 2019 19:28

Instrument :
 MSVOA_U
 ClientSampled :
 ETF24

Tgt Ion: 43 Resp: 10619
 Ion Ratio Lower Upper
 43 100
 58 23.5 40.2 60.2#
 57 23.6 14.2 21.4#
 100 0.0 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.592 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU033016.D
 Acq: 24 Jun 2019 19:28

Tgt Ion: 75 Resp: 11416
 Ion Ratio Lower Upper
 75 100
 77 41.5 25.5 38.3#

