

Data File : VU032961.D
Acq On : 21 Jun 2019 21:46
Operator : JC/SP
Sample : K3463-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF31

Quant Time: Jun 22 02:00:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192223	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	186741	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	87012	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45954	34.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.96%
7) Chloroethane-d5	1.68	69	41692	39.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.58%
11) 1,1-Dichloroethene-d2	2.26	63	73118	27.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.26%#
21) 2-Butanone-d5	4.17	46	119919	109.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.67%
24) Chloroform-d	4.64	84	113783	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
26) 1,2-Dichloroethane-d4	5.30	65	80552	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
32) Benzene-d6	5.33	84	209390	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.02%
36) 1,2-Dichloropropane-d6	6.32	67	71940	46.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.78%
41) Toluene-d8	7.56	98	184311	40.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.86%
43) trans-1,3-Dichloropropene-	7.85	79	33150	41.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.20%
47) 2-Hexanone-d5	8.31	63	69856	96.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.47%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112075	46.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.50%
64) 1,2-Dichlorobenzene-d4	11.86	152	78992	46.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.82%

Target Compounds

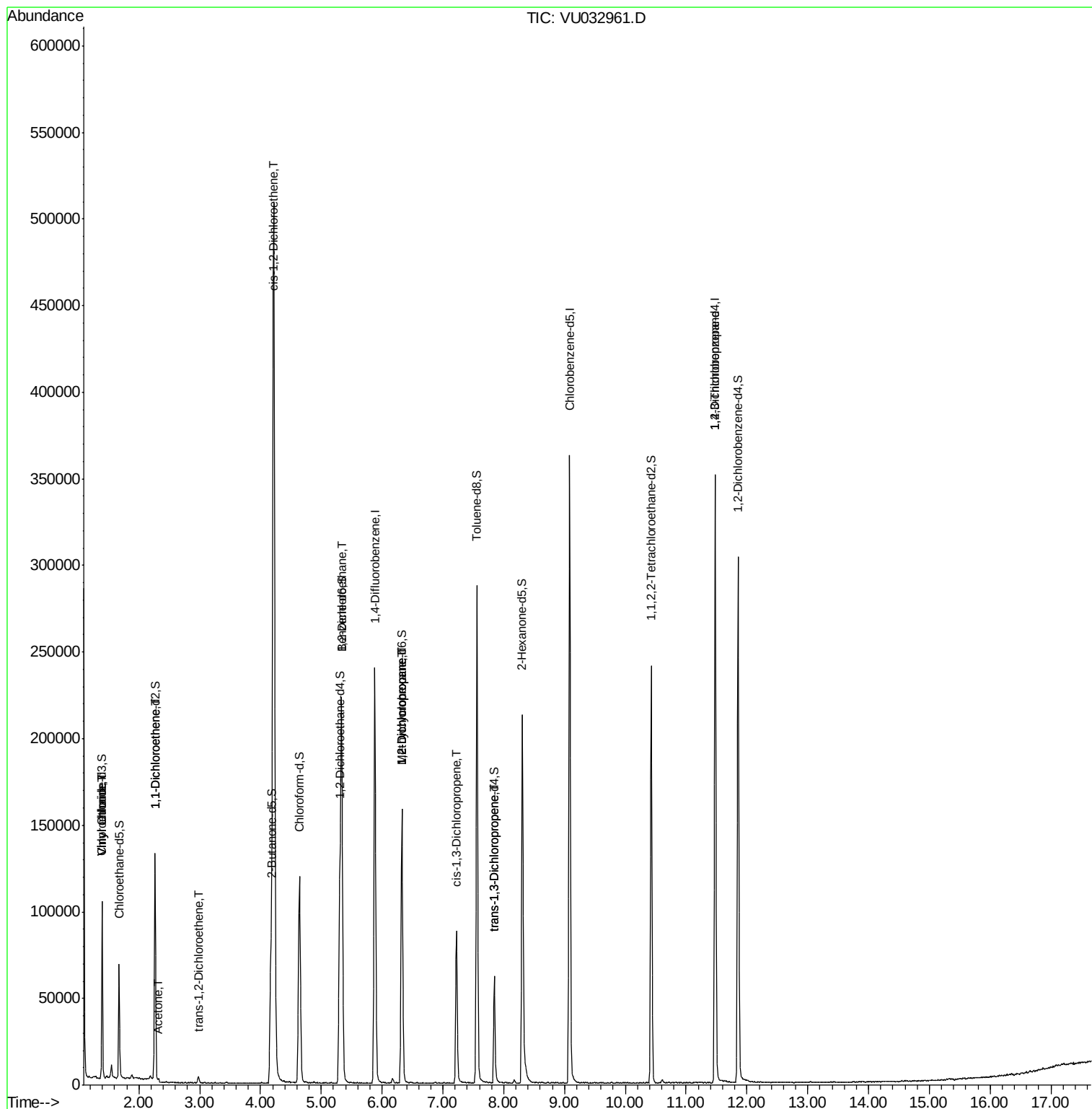
						Qvalue
5) Vinyl chloride	1.40	62	20558	11.777	ug/L	97
8) Chloroethane	1.40	64	7182	7.148	ug/L #	65
12) 1,1-Dichloroethene	2.27	96	1166	0.963	ug/L #	1
13) Acetone	2.32	43	1073	0.710	ug/L	75
17) trans-1,2-Dichloroethene	2.97	96	744	0.567	ug/L	91
20) cis-1,2-Dichloroethene	4.22	96	266277	186.206	ug/L	97
27) 1,2-Dichloroethane	5.33	62	1340	0.632	ug/L #	77
35) Methylcyclohexane	6.32	83	16427	7.394	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	8633	5.850	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2341	1.018	ug/L #	56
44) trans-1,3-Dichloropropene	7.85	75	1667	0.772	ug/L	90
59) 1,2,3-Trichloropropane	11.48	75	11284	5.730	ug/L #	88

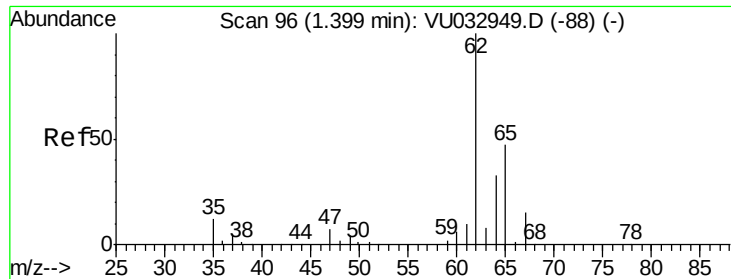
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU032961.D
Acq On : 21 Jun 2019 21:46
Operator : JC/SP
Sample : K3463-21
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF31

Quant Time: Jun 22 02:00:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 22 01:56:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 11.777 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

Instrument :

MSVOA_U

ClientSampleId :

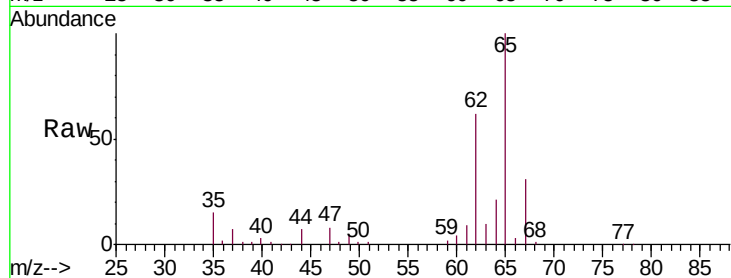
ETF31

Tgt Ion: 62 Resp: 20558

Ion Ratio Lower Upper

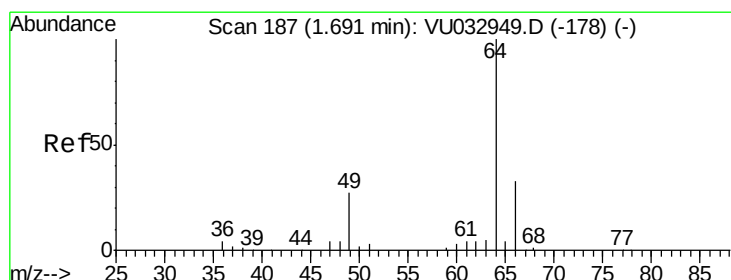
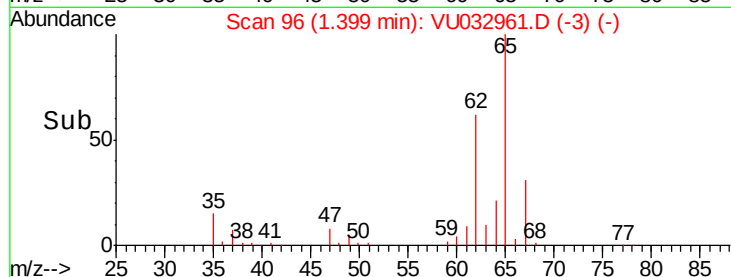
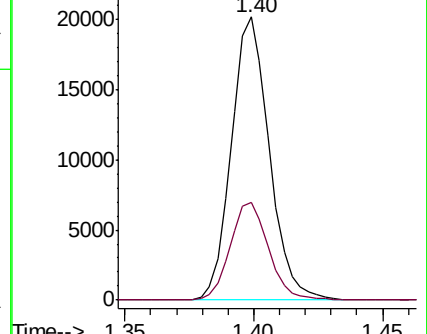
62 100

64 34.6 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: 7.148 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.29 min

Lab File: VU032961.D

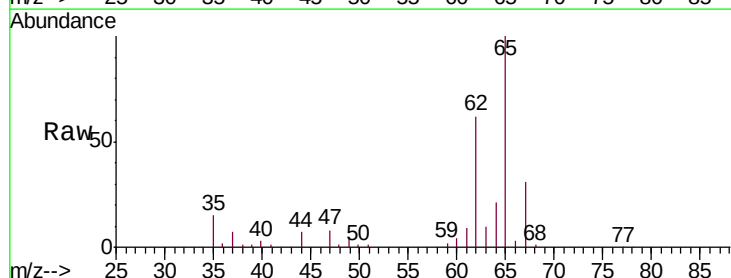
Acq: 21 Jun 2019 21:46

Tgt Ion: 64 Resp: 7182

Ion Ratio Lower Upper

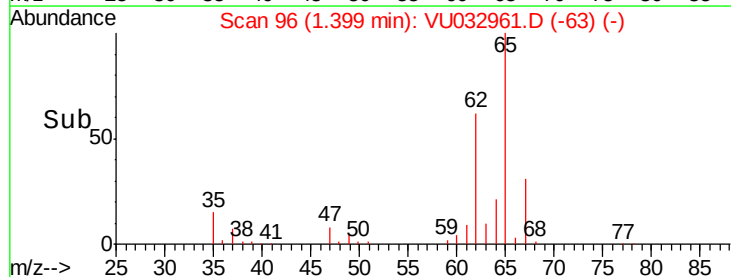
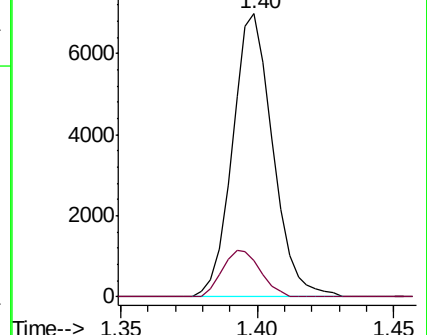
64 100

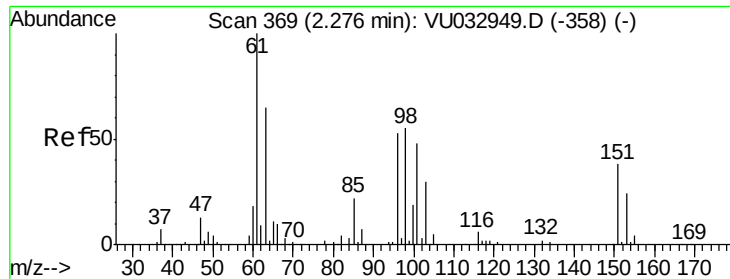
66 12.7 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

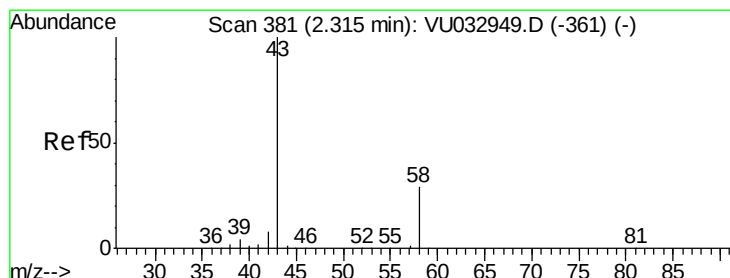
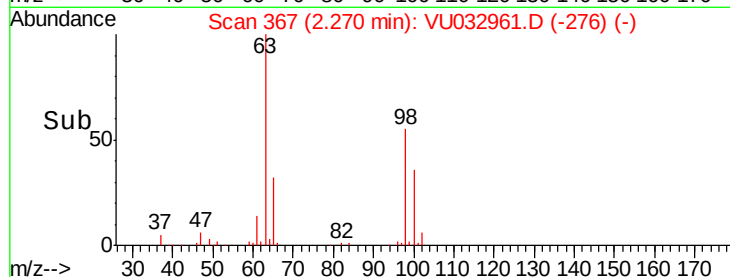
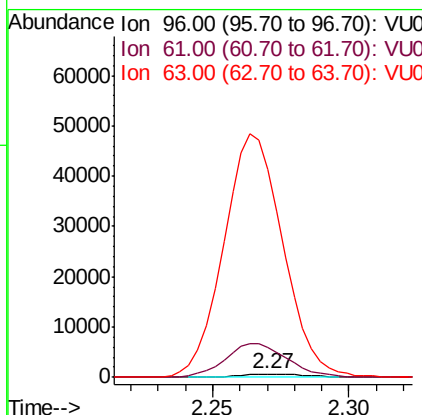
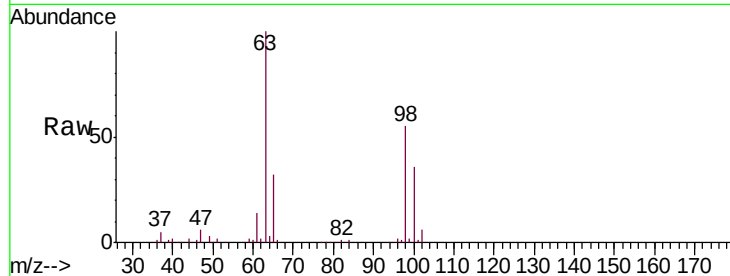




#12
 1,1-Dichloroethene
 Concen: 0.963 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU032961.D
 Acq: 21 Jun 2019 21:46

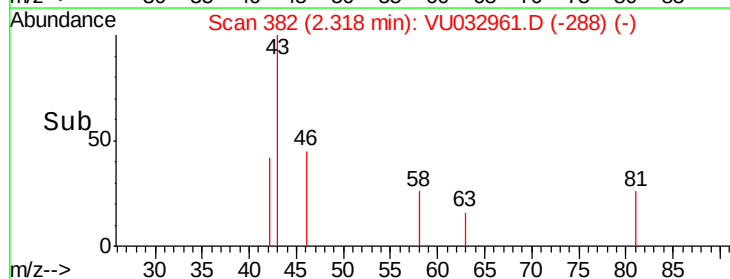
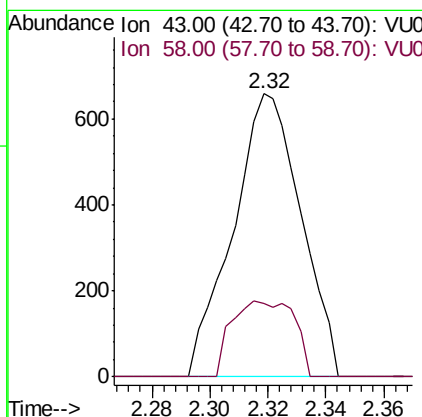
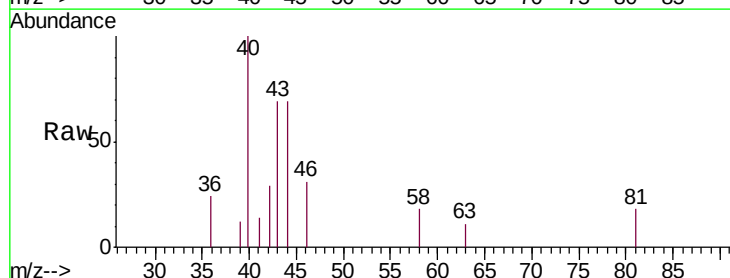
Instrument :
 MSVOA_U
 ClientSampleID :
 ETF31

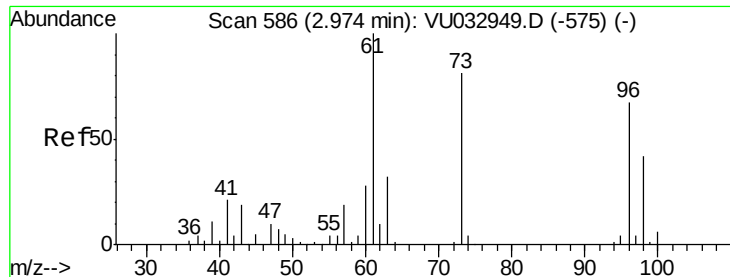
Tgt Ion: 96 Resp: 1166
 Ion Ratio Lower Upper
 96 100
 61 941.4 131.0 243.4#
 63 6528.9 101.0 187.6#



#13
 Acetone
 Concen: 0.710 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU032961.D
 Acq: 21 Jun 2019 21:46

Tgt Ion: 43 Resp: 1073
 Ion Ratio Lower Upper
 43 100
 58 16.6 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 0.567 ug/L

RT: 2.97 min Scan# 586

Delta R.T. 0.00 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

Instrument :

MSVOA_U

ClientSampled :

ETF31

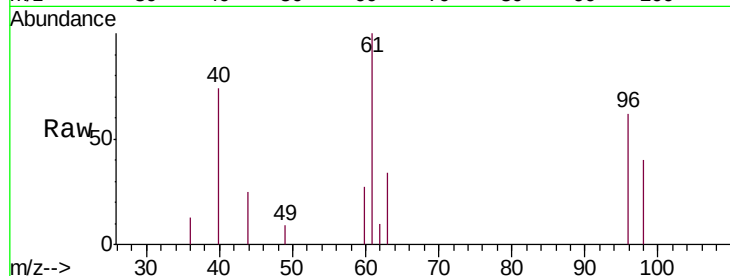
Tgt Ion: 96 Resp: 744

Ion Ratio Lower Upper

96 100

61 160.1 100.9 187.5

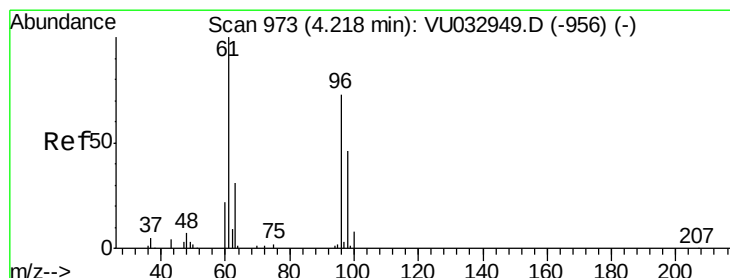
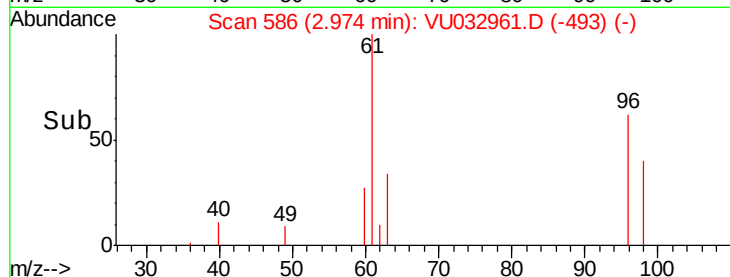
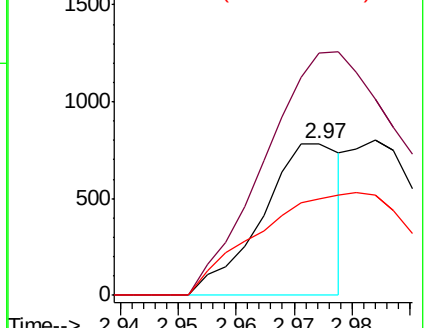
98 63.4 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU032949.D (-575) (-)

Ion 61.00 (60.70 to 61.70): VU032949.D (-575) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-575) (-)



#20

cis-1,2-Dichloroethene

Concen: 186.206 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

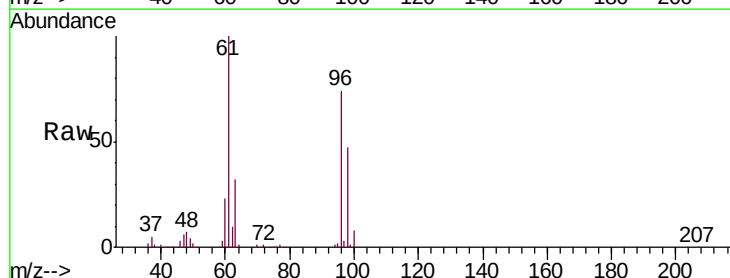
Tgt Ion: 96 Resp: 266277

Ion Ratio Lower Upper

96 100

61 135.6 92.4 171.6

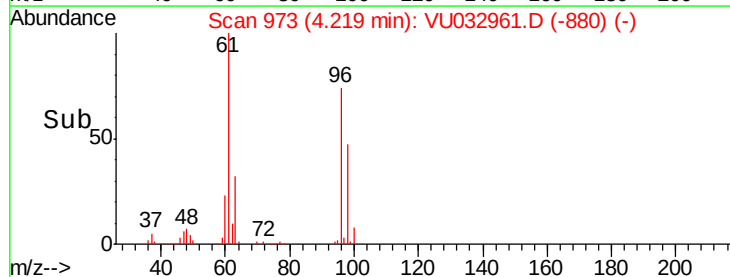
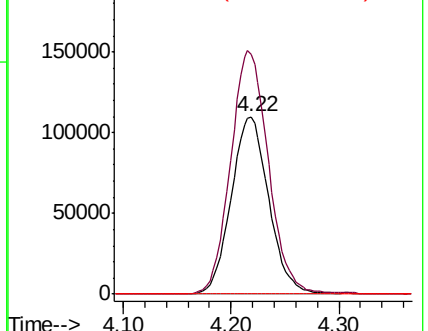
68 0.0 0.0 0.0

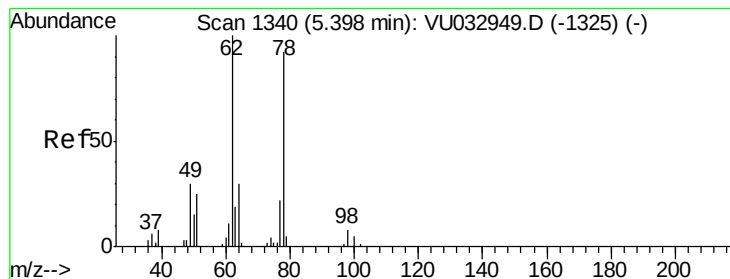


Abundance Ion 96.00 (95.70 to 96.70): VU032949.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU032949.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU032949.D (-956) (-)





#27

1,2-Dichloroethane

Concen: 0.632 ug/L

RT: 5.33 min Scan# 1319

Delta R.T. -0.07 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

Instrument :

MSVOA_U

ClientSampleId :

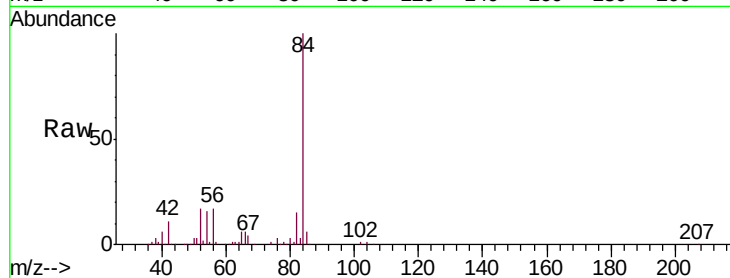
ETF31

Tgt Ion: 62 Resp: 1340

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU032949.D (-1325) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-1325) (-)

5.33

600

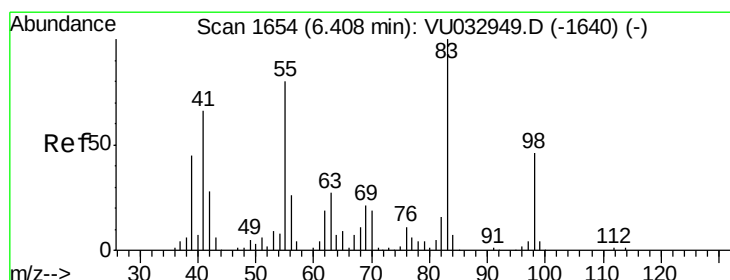
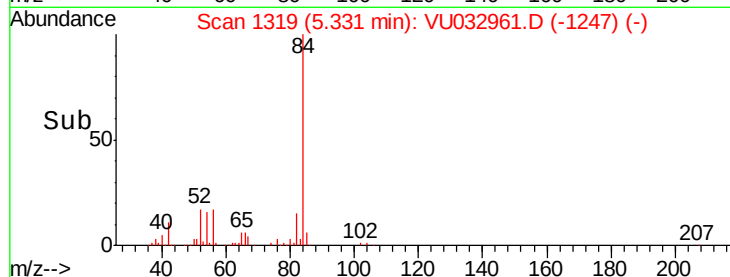
400

200

0

5.30 5.35

Time-->



#35

Methylcyclohexane

Concen: 7.394 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

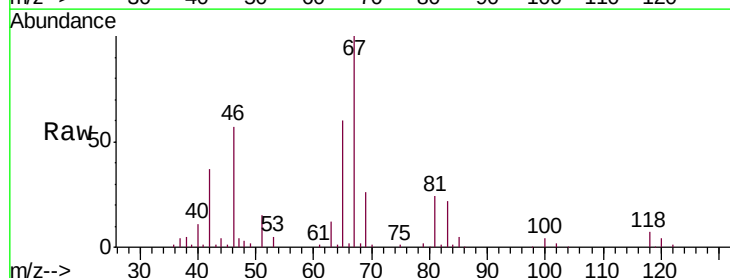
Tgt Ion: 83 Resp: 16427

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

98 0.6 37.4 56.0#



Abundance Ion 83.00 (82.70 to 83.70): VU032949.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU032949.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU032949.D (-1640) (-)

10000

8000

6000

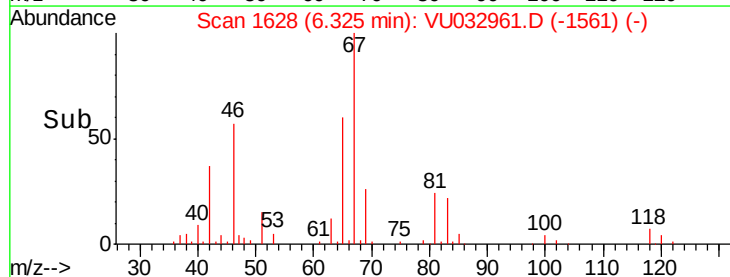
4000

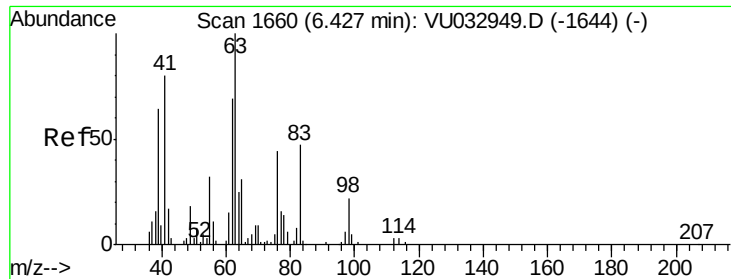
2000

0

6.25 6.30 6.35 6.40

Time-->

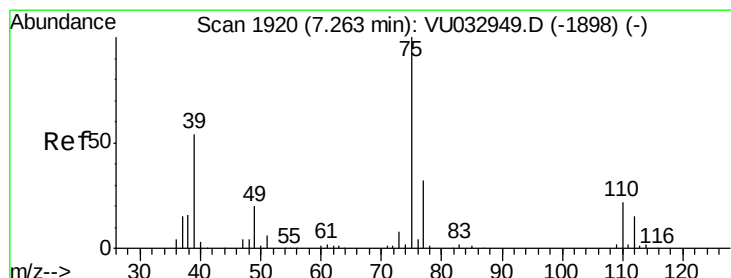
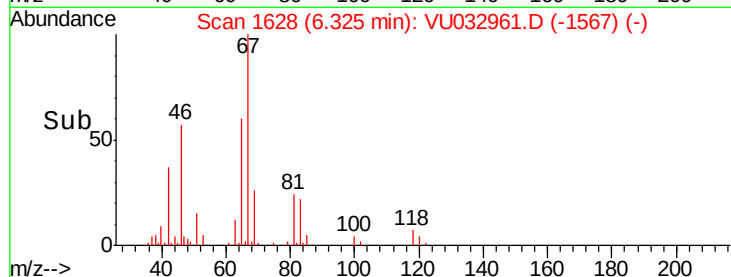
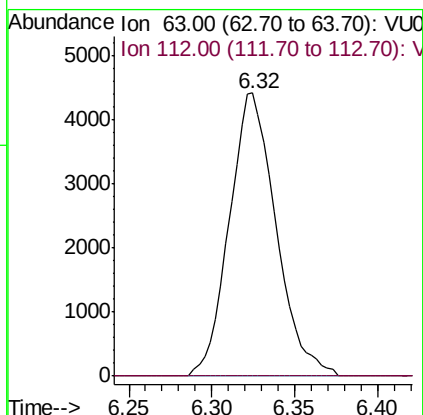
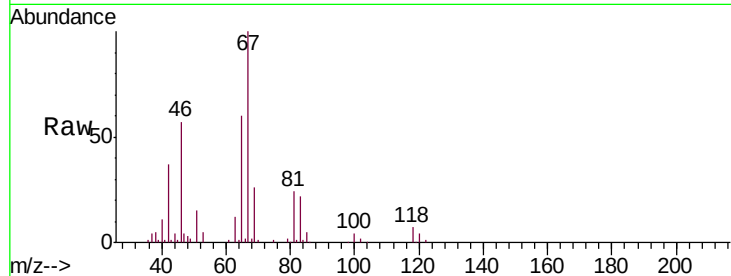




#37
 1,2-Dichloropropane
 Concen: 5.850 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032961.D
 Acq: 21 Jun 2019 21:46

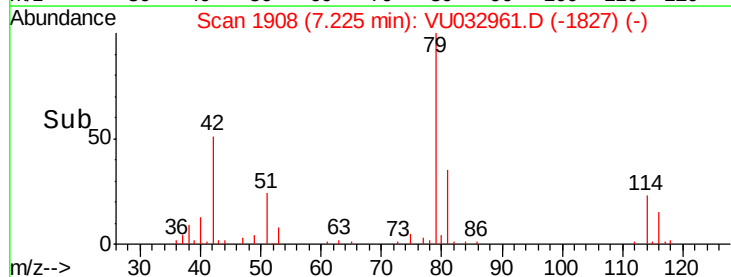
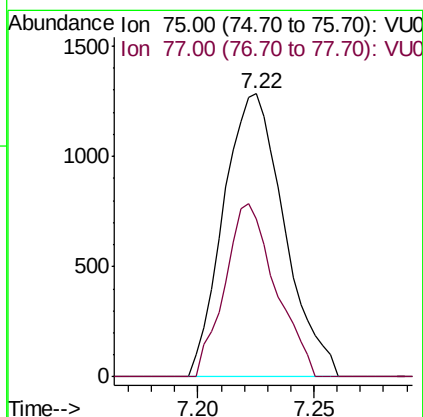
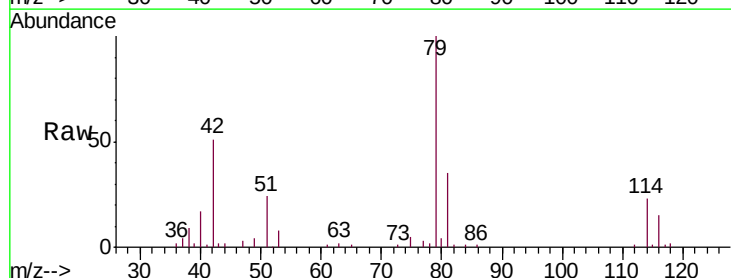
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF31

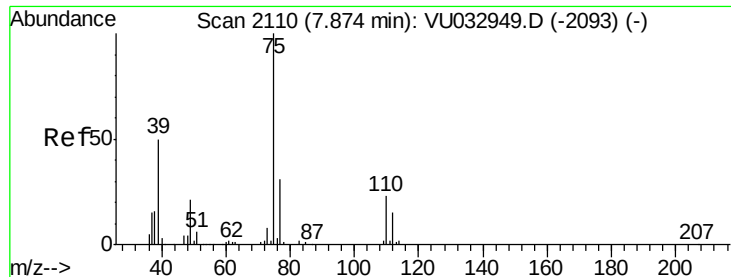
Tgt Ion: 63 Resp: 8633
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.018 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032961.D
 Acq: 21 Jun 2019 21:46

Tgt Ion: 75 Resp: 2341
 Ion Ratio Lower Upper
 75 100
 77 55.7 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.772 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

Instrument :

MSVOA_U

ClientSampleId :

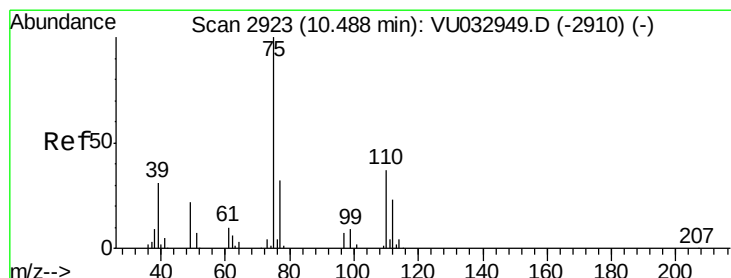
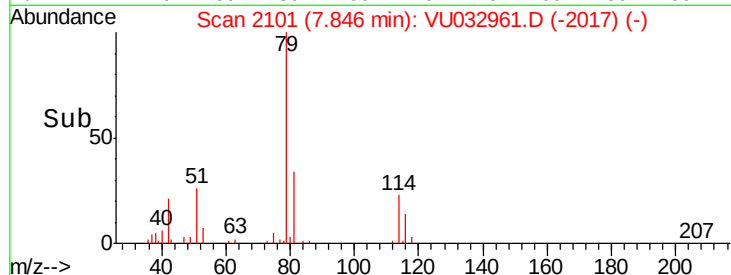
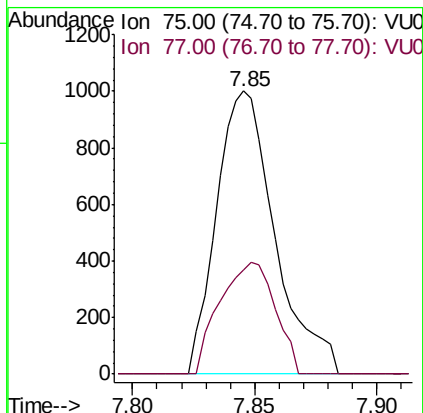
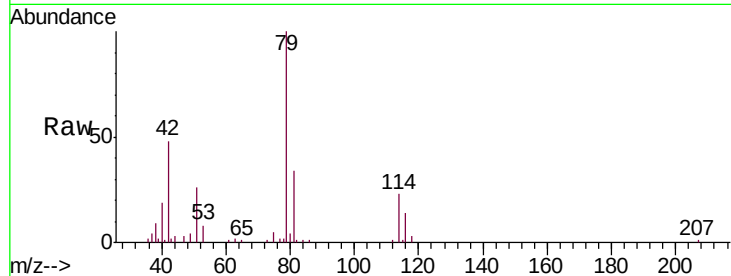
ETF31

Tgt Ion: 75 Resp: 1667

Ion Ratio Lower Upper

75 100

77 36.9 21.8 40.4



#59

1,2,3-Trichloropropane

Concen: 5.730 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032961.D

Acq: 21 Jun 2019 21:46

Tgt Ion: 75 Resp: 11284

Ion Ratio Lower Upper

75 100

77 38.5 25.5 38.3#

