

Data File : VU032957.D
Acq On : 21 Jun 2019 20:15
Operator : JC/SP
Sample : K3463-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF17

Quant Time: Jun 22 01:59:52 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	191566	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	187171	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88696	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48094	36.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.48%
7) Chloroethane-d5	1.68	69	42238	40.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.90%
11) 1,1-Dichloroethene-d2	2.26	63	74776	28.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.70%#
21) 2-Butanone-d5	4.17	46	122644	112.55	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.55%
24) Chloroform-d	4.64	84	114230	44.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.76%
26) 1,2-Dichloroethane-d4	5.30	65	81990	48.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.72%
32) Benzene-d6	5.33	84	209063	42.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.70%
36) 1,2-Dichloropropane-d6	6.32	67	71988	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.64%
41) Toluene-d8	7.56	98	188225	41.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.38%
43) trans-1,3-Dichloropropene-	7.85	79	34129	42.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.42%
47) 2-Hexanone-d5	8.31	63	72473	99.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	113503	47.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	79711	46.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.88%

Target Compounds

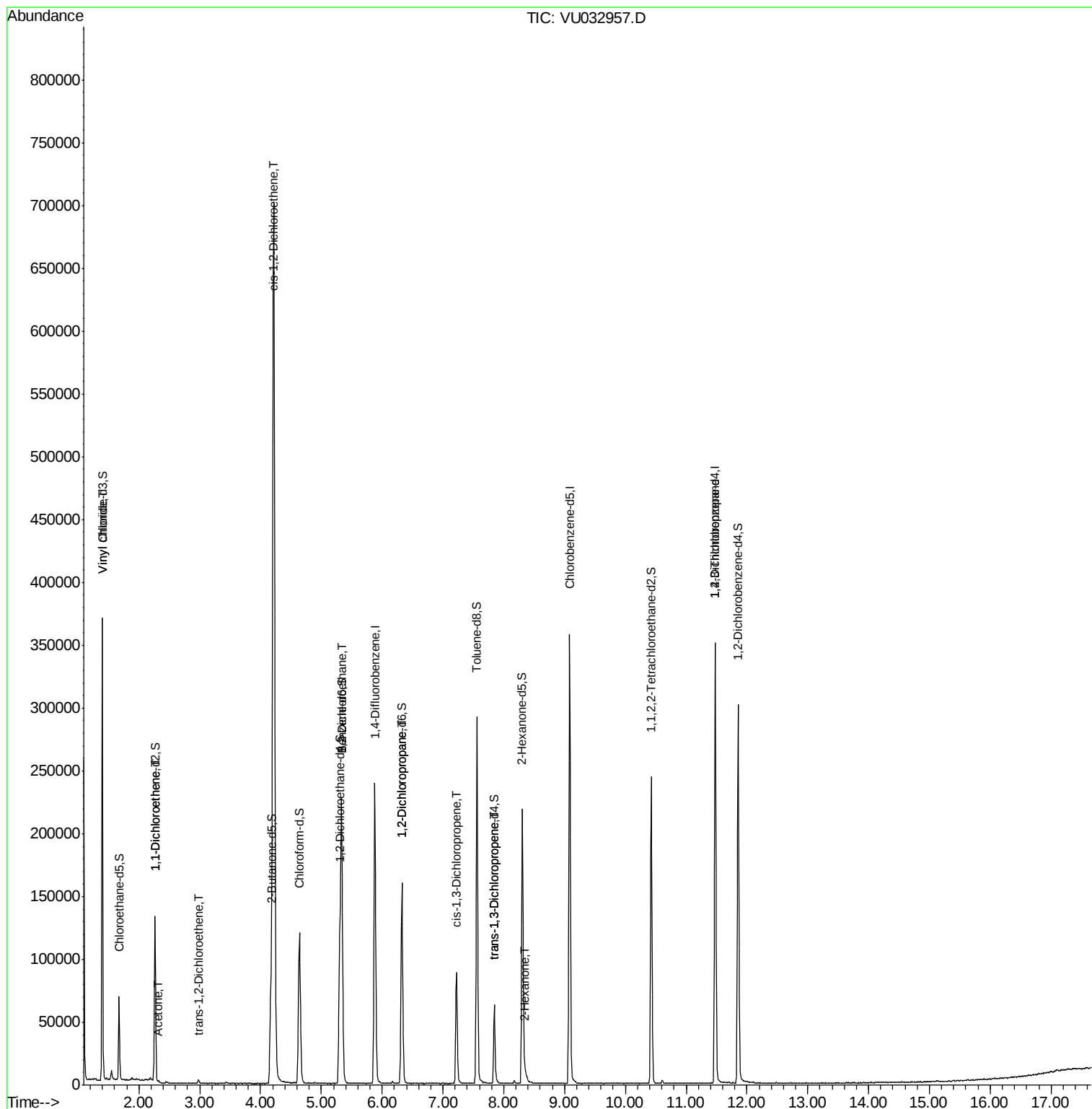
						Qvalue
5) Vinyl chloride	1.40	62	176275	101.332	ug/L	99
12) 1,1-Dichloroethene	2.27	96	1488	1.233	ug/L #	1
13) Acetone	2.32	43	828	0.550	ug/L	63
17) trans-1,2-Dichloroethene	2.98	96	1069	0.817	ug/L	83
20) cis-1,2-Dichloroethene	4.22	96	369821	259.500	ug/L	95
27) 1,2-Dichloroethane	5.33	62	1435	0.679	ug/L #	77
37) 1,2-Dichloropropane	6.32	63	8768	5.928	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2374	1.030	ug/L #	74
44) trans-1,3-Dichloropropene	7.85	75	1637	0.756	ug/L	99
48) 2-Hexanone	8.36	43	2891	1.388	ug/L #	68
59) 1,2,3-Trichloropropane	11.48	75	11951	6.055	ug/L	92

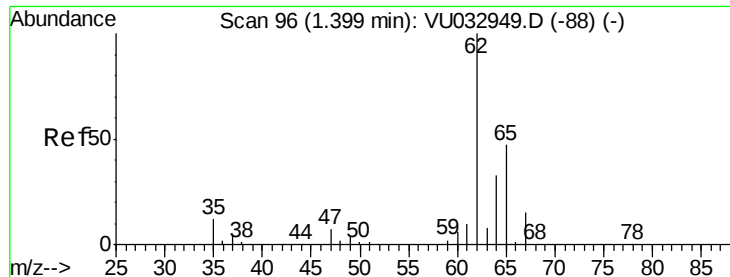
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 101.332 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032957.D

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Instrument :

MSVOA_U

ClientSampleId :

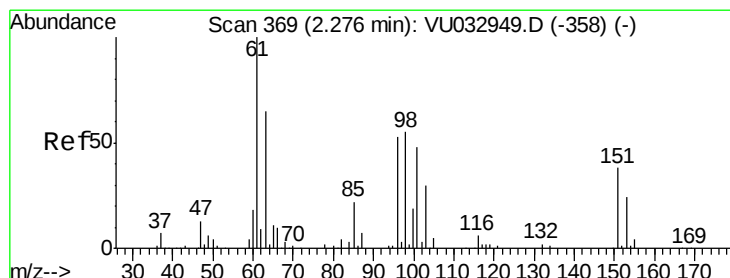
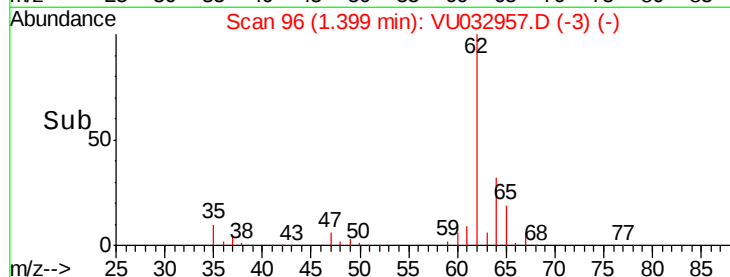
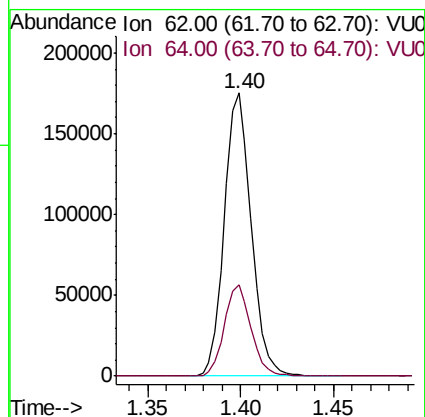
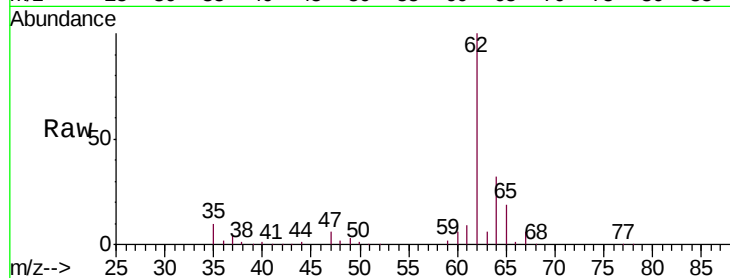
ETF17

Tgt Ion: 62 Resp: 176275

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.6



#12

1,1-Dichloroethene

Concen: 1.233 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU032957.D

Acq: 21 Jun 2019 20:15

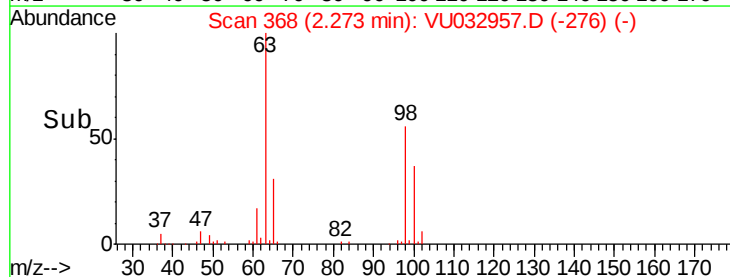
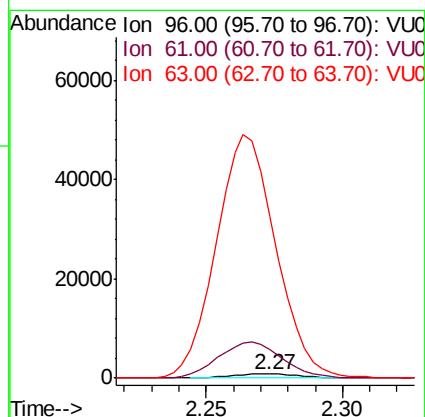
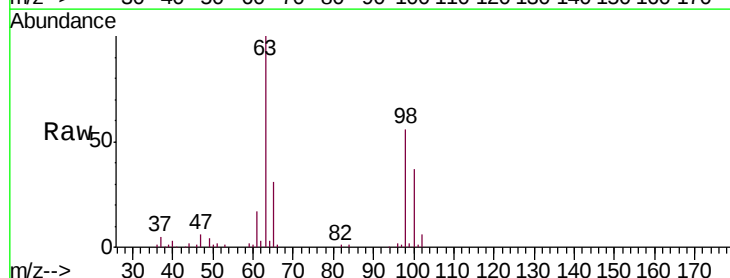
Tgt Ion: 96 Resp: 1488

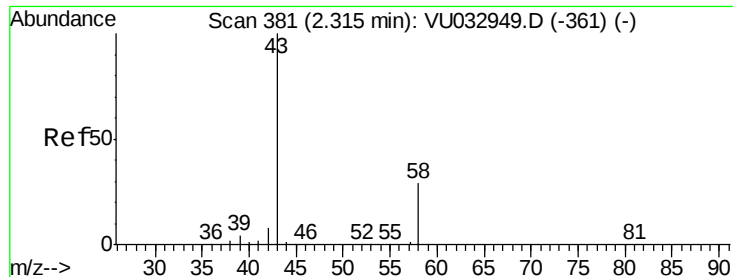
Ion Ratio Lower Upper

96 100

61 710.4 131.0 243.4#

63 4107.4 101.0 187.6#

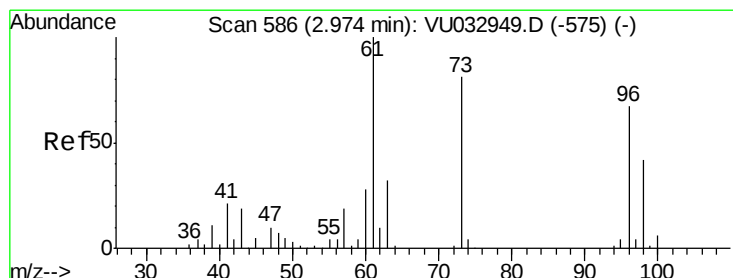
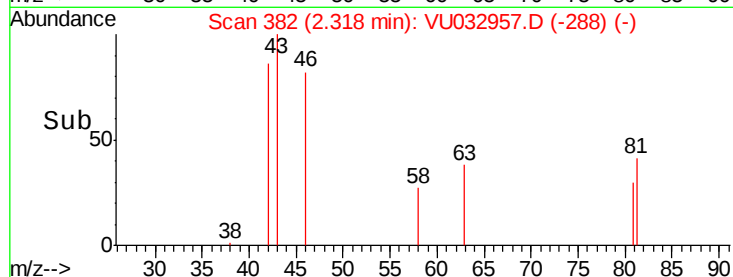
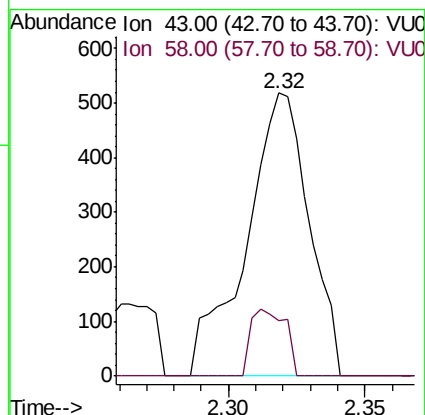
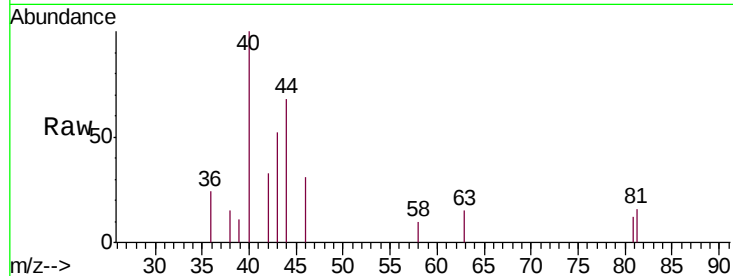




#13
Acetone
Concen: 0.550 ug/L
RT: 2.32 min Scan# 382
Delta R.T. 0.00 min
Lab File: VU032957.D
Acq: 21 Jun 2019 20:15

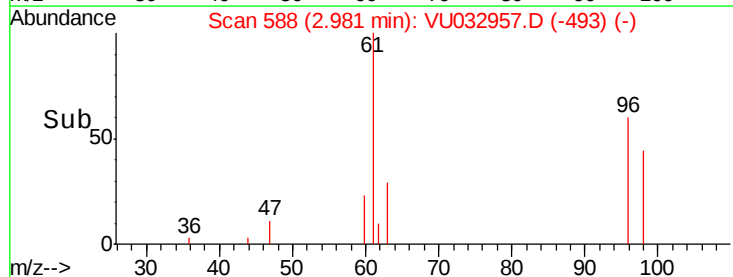
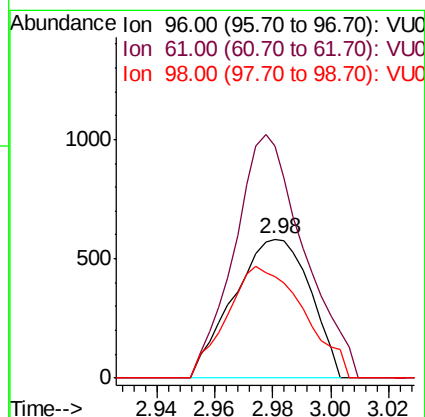
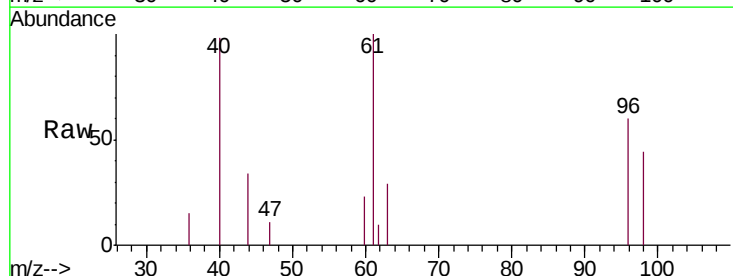
Instrument :
MSVOA_U
ClientSampleId :
ETF17

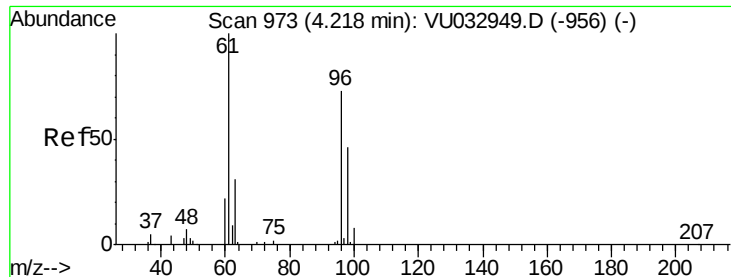
Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
58 10.4 0.0 60.6



#17
trans-1,2-Dichloroethene
Concen: 0.817 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.01 min
Lab File: VU032957.D
Acq: 21 Jun 2019 20:15

Tgt Ion: 96 Resp: 1069
Ion Ratio Lower Upper
96 100
61 167.6 100.9 187.5
98 73.0 44.0 81.8



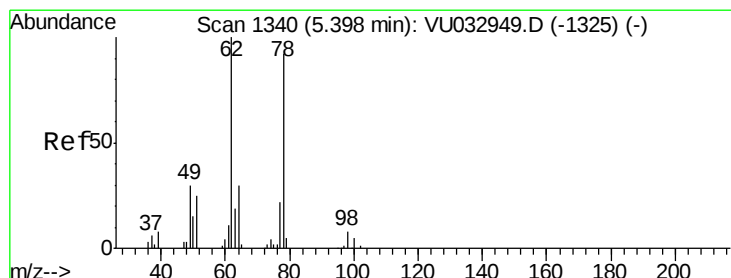
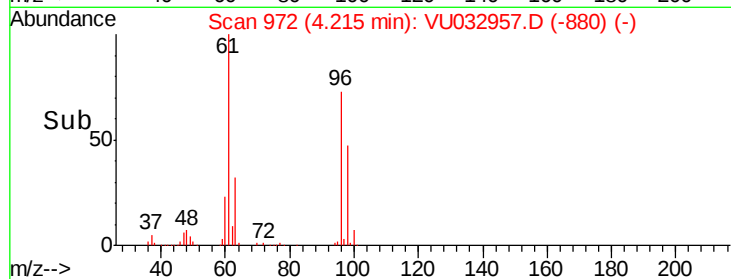
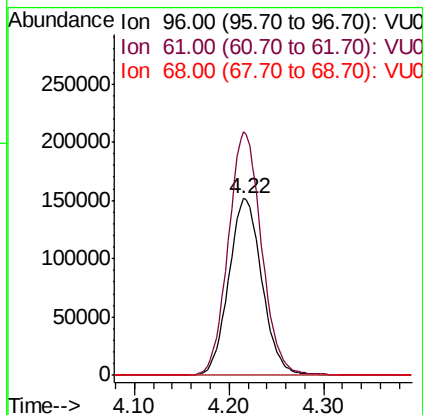
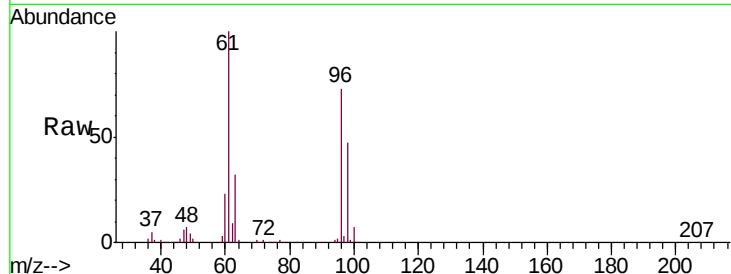


#20

cis-1,2-Dichloroethene
 Concen: 259.500 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032957.D
 Acq: 21 Jun 2019 20:15

Instrument :
 MSVOA_U
 ClientSampled :
 ETF17

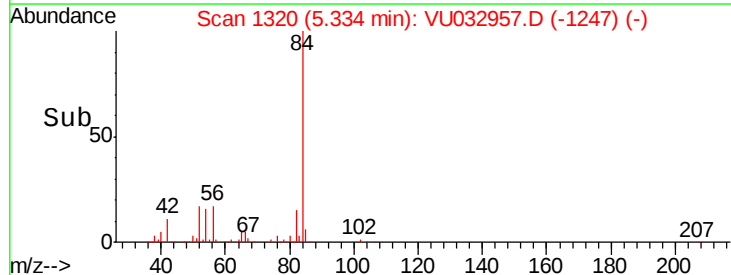
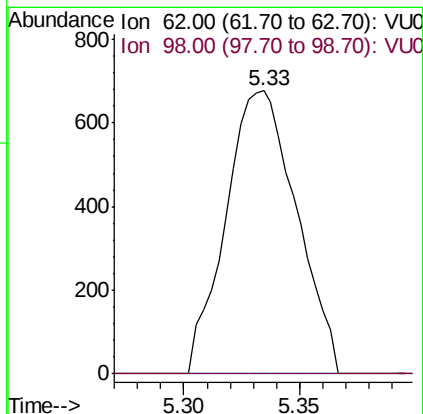
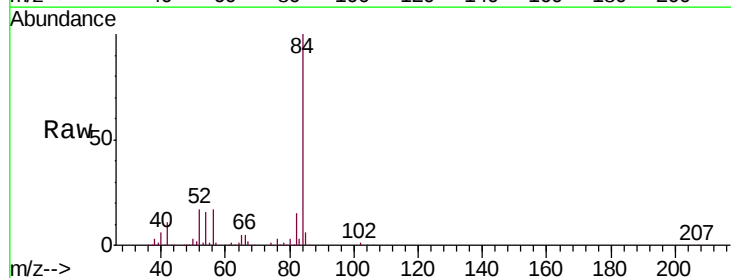
Tgt Ion: 96 Resp: 369821
 Ion Ratio Lower Upper
 96 100
 61 137.9 92.4 171.6
 68 0.0 0.0 0.0

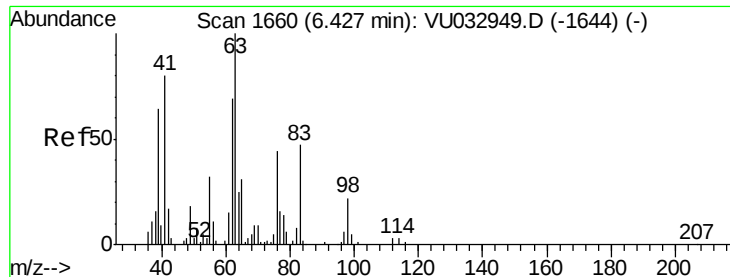


#27

1,2-Dichloroethane
 Concen: 0.679 ug/L
 RT: 5.33 min Scan# 1320
 Delta R.T. -0.06 min
 Lab File: VU032957.D
 Acq: 21 Jun 2019 20:15

Tgt Ion: 62 Resp: 1435
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#

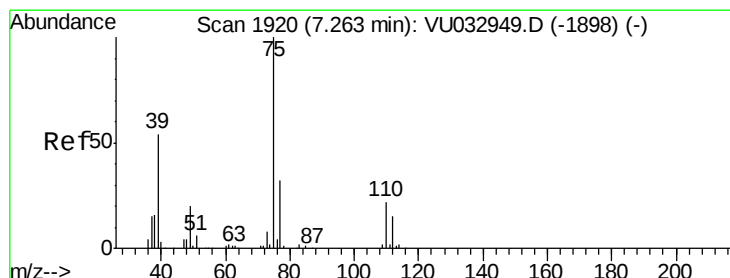
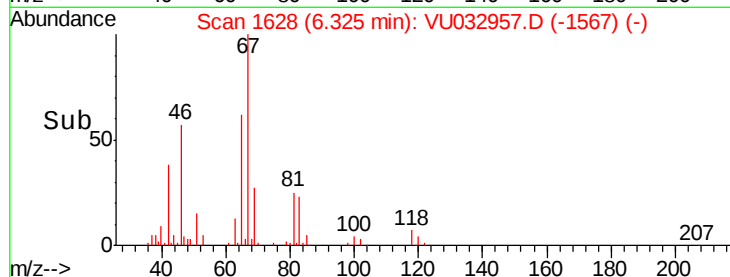
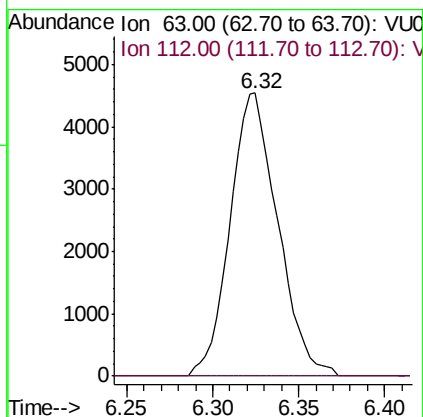
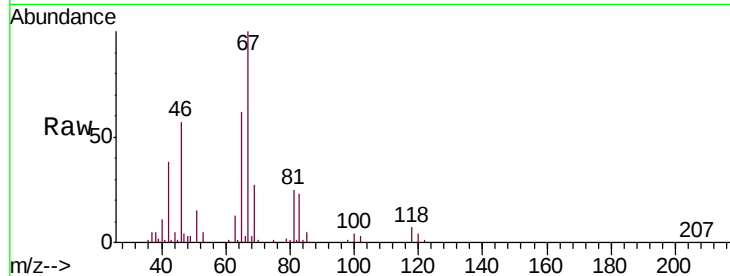




#37
 1,2-Dichloropropane
 Concen: 5.928 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032957.D
 Acq: 21 Jun 2019 20:15

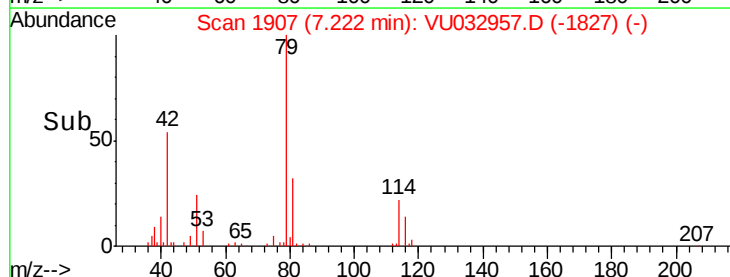
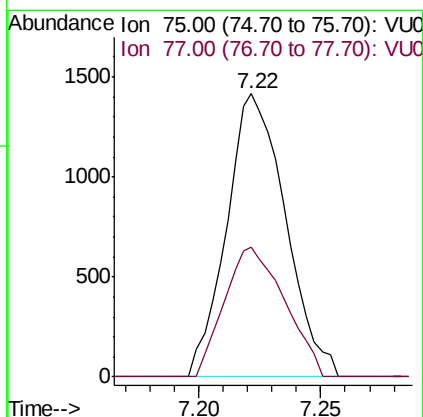
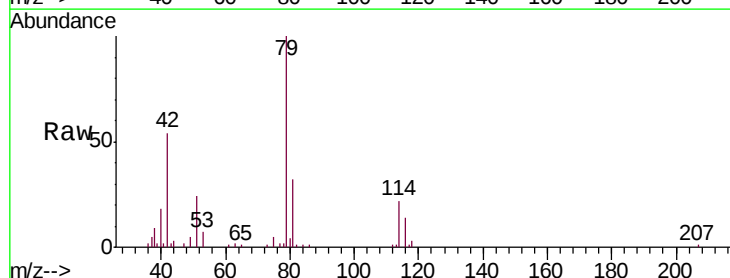
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF17

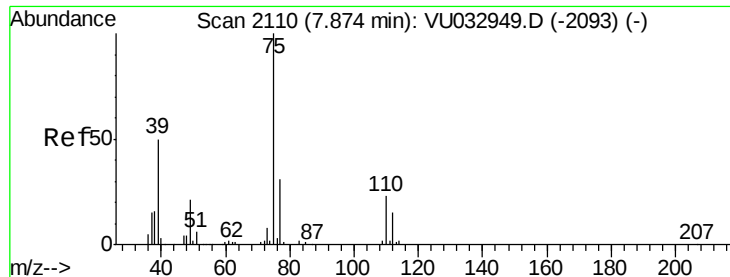
Tgt Ion: 63 Resp: 8768
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.030 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032957.D
 Acq: 21 Jun 2019 20:15

Tgt Ion: 75 Resp: 2374
 Ion Ratio Lower Upper
 75 100
 77 45.7 21.9 40.7#





#44

trans-1,3-Dichloropropene

Concen: 0.756 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032957.D

Acq: 21 Jun 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

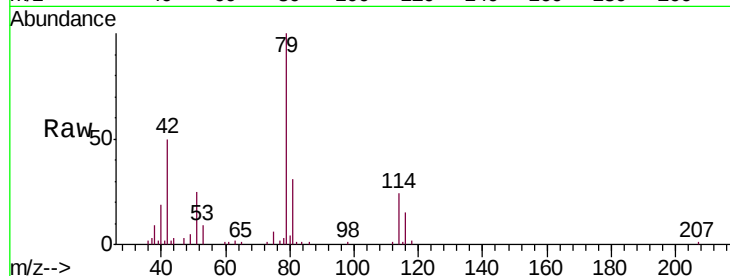
ETF17

Tgt Ion: 75 Resp: 1637

Ion Ratio Lower Upper

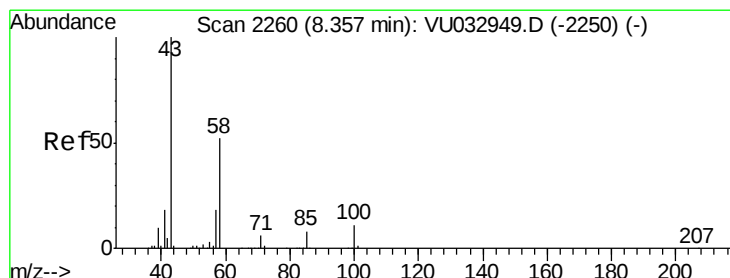
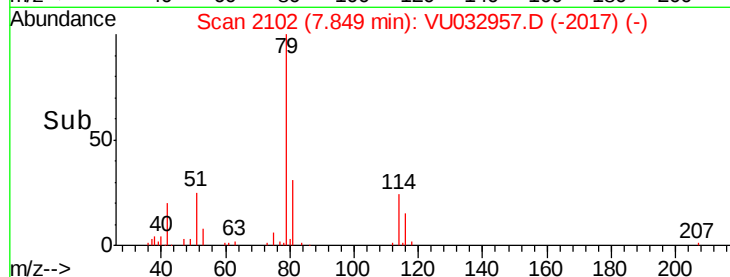
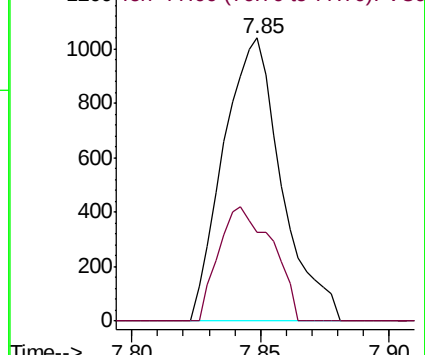
75 100

77 31.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032949.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU032949.D (-2093) (-)



#48

2-Hexanone

Concen: 1.388 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU032957.D

Acq: 21 Jun 2019 20:15

Tgt Ion: 43 Resp: 2891

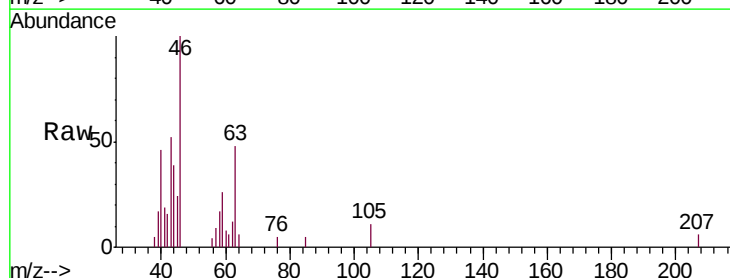
Ion Ratio Lower Upper

43 100

58 28.2 40.2 60.2#

57 0.0 14.2 21.4#

100 2.9 8.4 12.6#

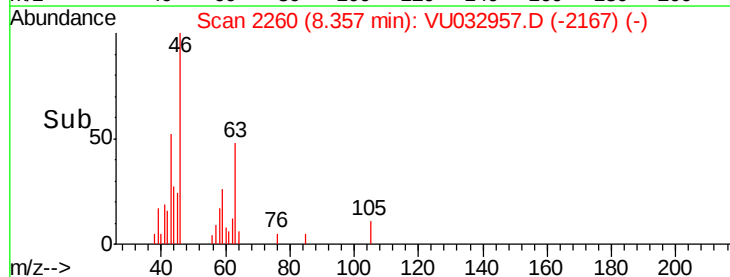
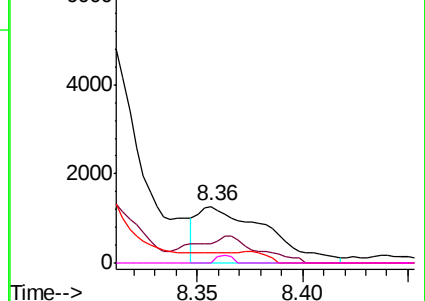


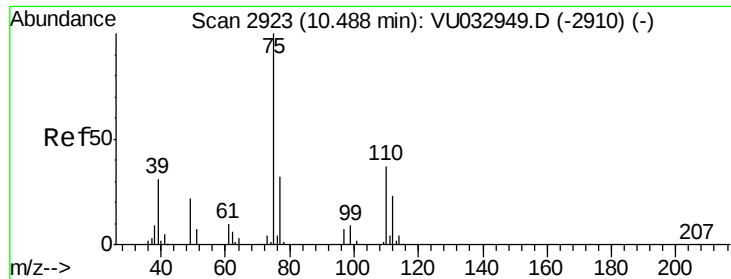
Abundance Ion 43.00 (42.70 to 43.70): VU032949.D (-2250) (-)

Ion 58.00 (57.70 to 58.70): VU032949.D (-2250) (-)

Ion 57.00 (56.70 to 57.70): VU032949.D (-2250) (-)

Ion 100.00 (99.70 to 100.70): VU032949.D (-2250) (-)





#59

1,2,3-Trichloropropane

Concen: 6.055 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032957.D

Acq: 21 Jun 2019 20:15

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 75 Resp: 11951

Ion Ratio Lower Upper

75 100

77 36.4 25.5 38.3

