

Data File : VU032972.D
Acq On : 22 Jun 2019 01:59
Operator : JC/SP
Sample : K3464-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF42

Quant Time: Jun 22 02:53:50 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	188712	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	184946	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	88369	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48440	37.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.12%
7) Chloroethane-d5	1.68	69	45395	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.26%
11) 1,1-Dichloroethene-d2	2.27	63	81446	31.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.70%
21) 2-Butanone-d5	4.17	46	120337	112.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.10%
24) Chloroform-d	4.64	84	119050	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	5.30	65	85280	51.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.12%
32) Benzene-d6	5.33	84	224988	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.34%
36) 1,2-Dichloropropane-d6	6.32	67	74892	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.52%
41) Toluene-d8	7.56	98	197761	43.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.84	79	34511	43.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.40%
47) 2-Hexanone-d5	8.31	63	72102	100.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.54%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	115720	48.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.48%
64) 1,2-Dichlorobenzene-d4	11.85	152	81985	47.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.88%

Target Compounds

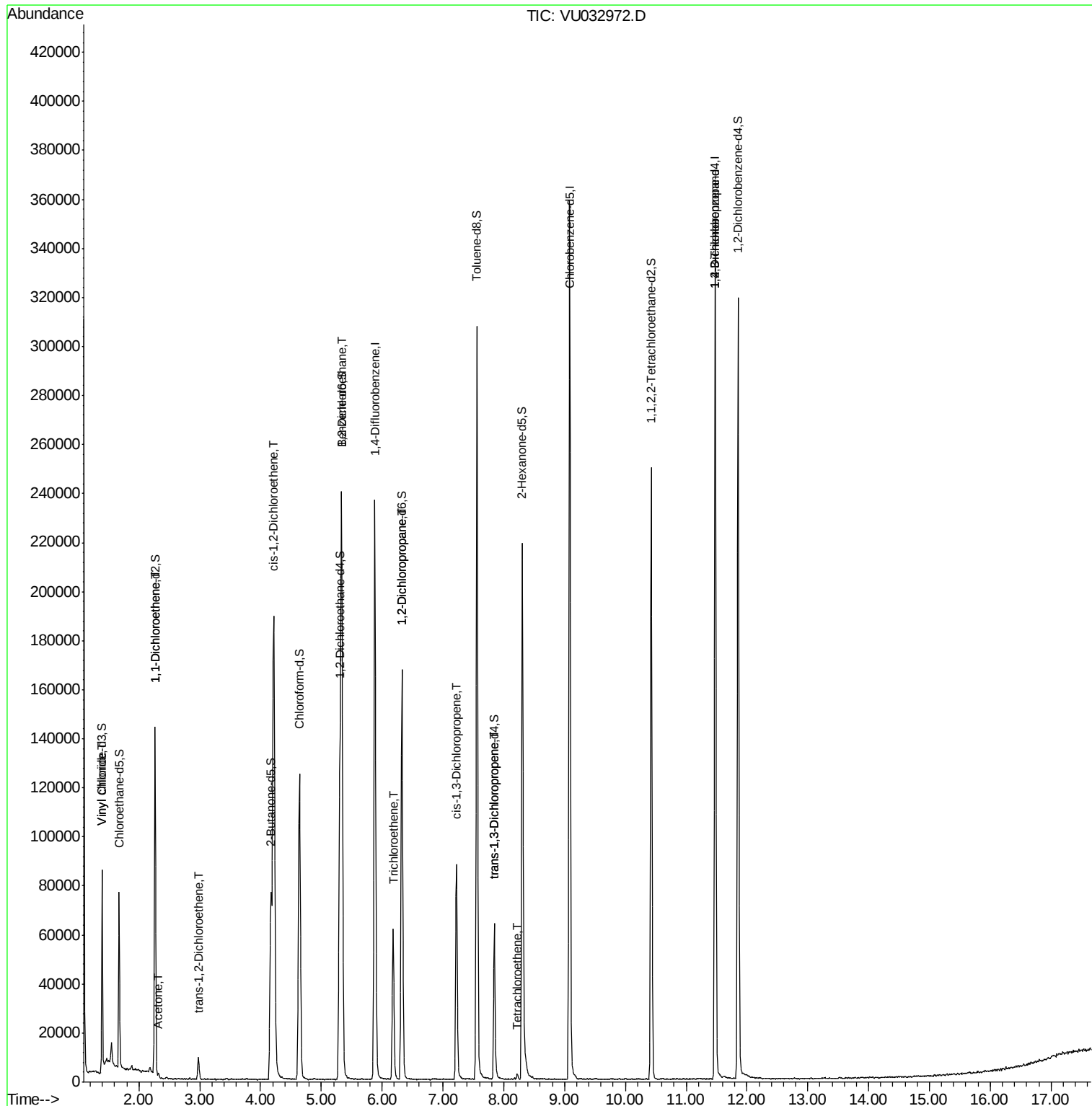
						Qvalue
5) Vinyl chloride	1.40	62	3567	2.082	ug/L #	41
12) 1,1-Dichloroethene	2.27	96	833	0.701	ug/L #	1
13) Acetone	2.32	43	744	0.502	ug/L	62
17) trans-1,2-Dichloroethene	2.98	96	3675	2.852	ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	100158	71.343	ug/L	98
27) 1,2-Dichloroethane	5.33	62	1339	0.643	ug/L #	77
34) Trichloroethene	6.18	95	20500	14.401	ug/L	95
37) 1,2-Dichloropropane	6.32	63	8873	6.071	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2595	1.140	ug/L #	79
44) trans-1,3-Dichloropropene	7.84	75	1501	0.702	ug/L	86
46) Tetrachloroethene	8.23	164	520	0.446	ug/L	80
59) 1,2,3-Trichloropropane	11.48	75	11084	5.683	ug/L #	86

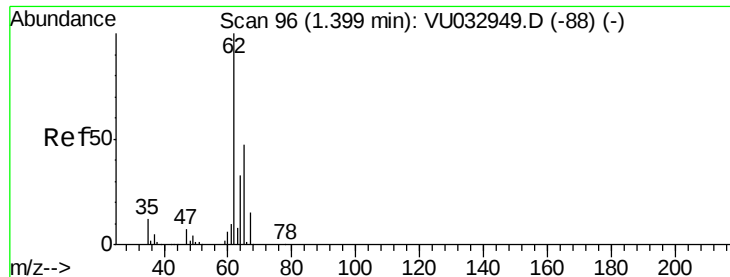
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 22 01:56:09 2019
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#5

Vinyl chloride

Concen: 2.082 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

Instrument :

MSVOA_U

ClientSampleId :

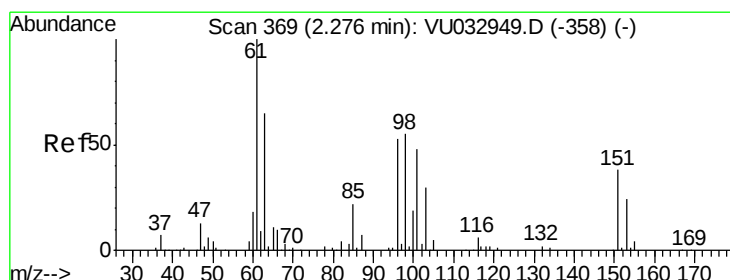
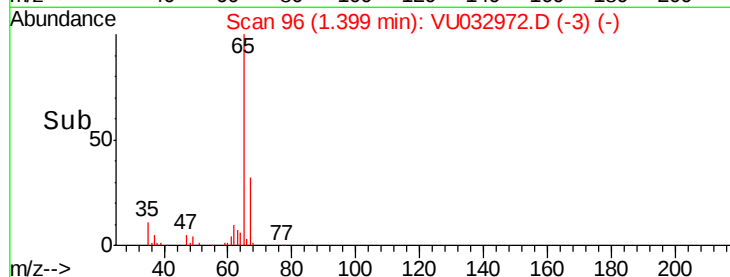
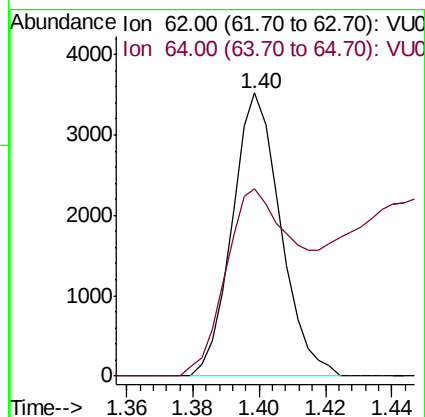
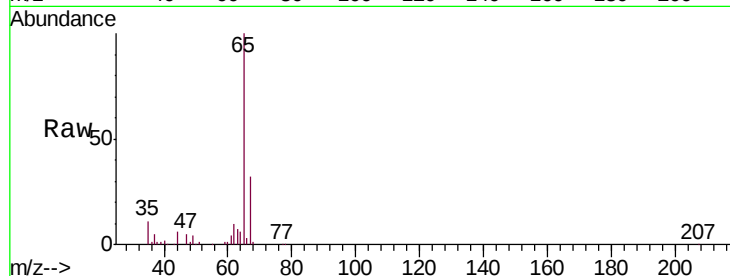
ETF42

Tgt Ion: 62 Resp: 3567

Ion Ratio Lower Upper

62 100

64 66.2 23.0 42.6#



#12

1,1-Dichloroethene

Concen: 0.701 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

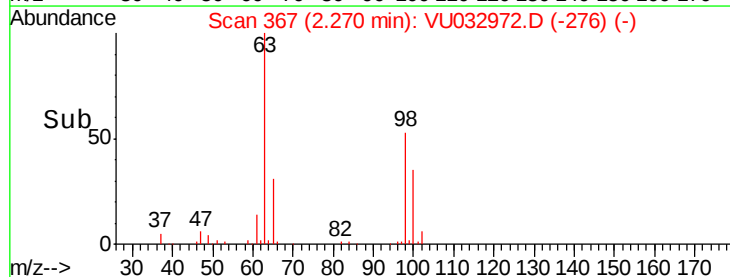
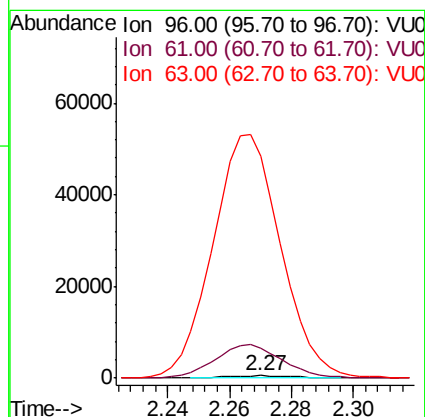
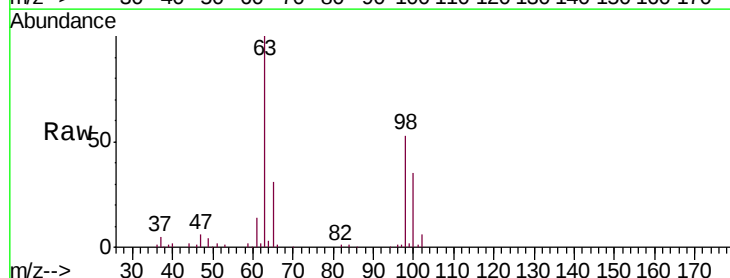
Tgt Ion: 96 Resp: 833

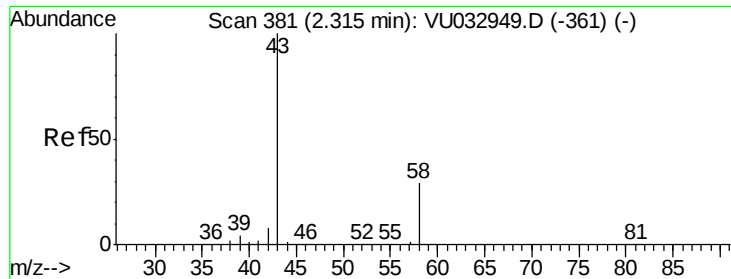
Ion Ratio Lower Upper

96 100

61 1264.9 131.0 243.4#

63 9270.5 101.0 187.6#





#13

Acetone

Concen: 0.502 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

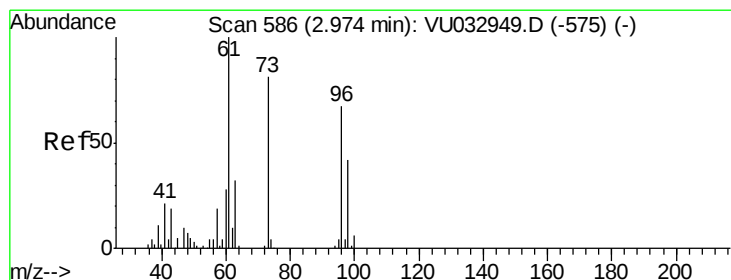
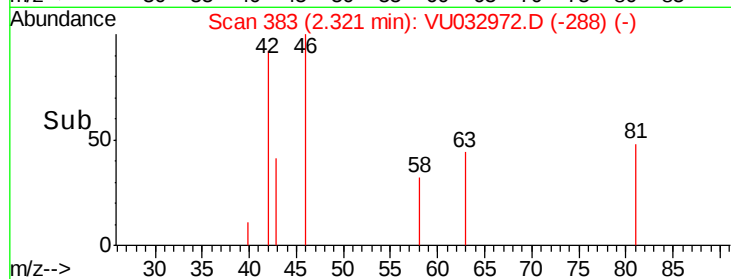
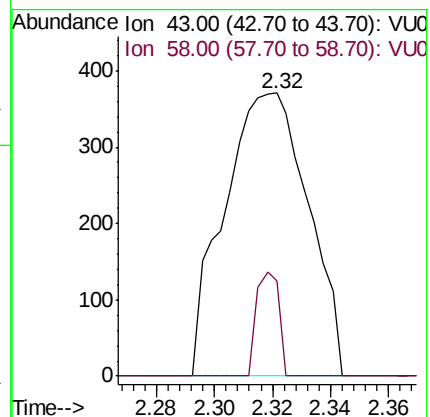
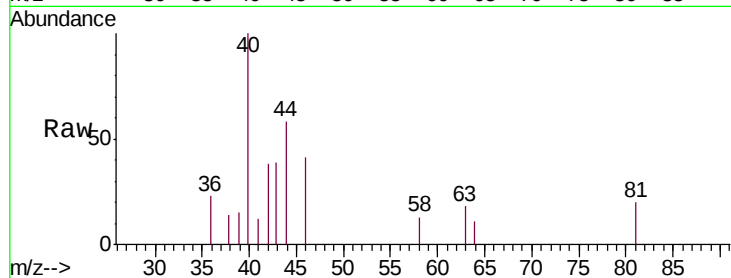
Instrument :
MSVOA_U
ClientSampled :
ETF42

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

58 9.8 0.0 60.6



#17

trans-1,2-Dichloroethene

Concen: 2.852 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

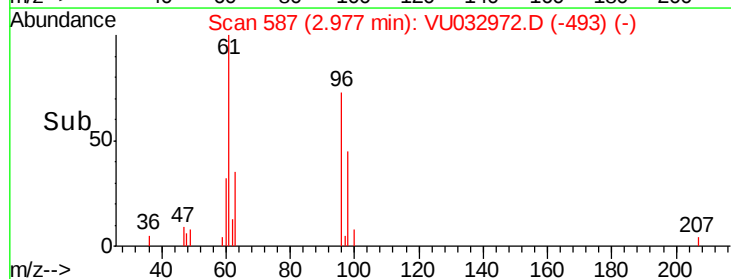
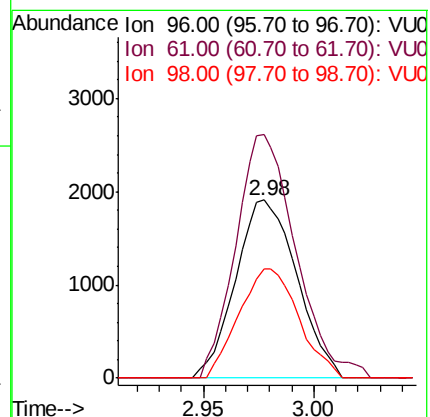
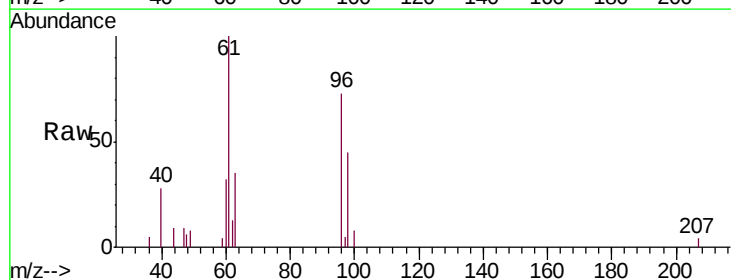
Tgt Ion: 96 Resp: 3675

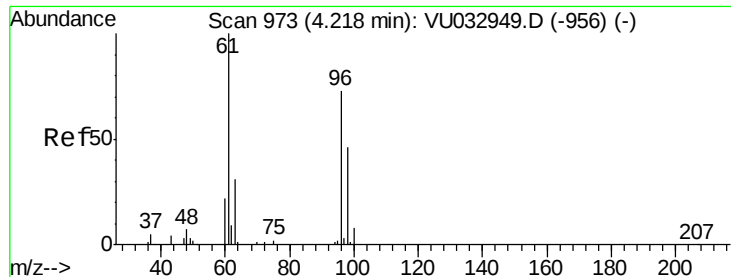
Ion Ratio Lower Upper

96 100

61 137.0 100.9 187.5

98 61.1 44.0 81.8



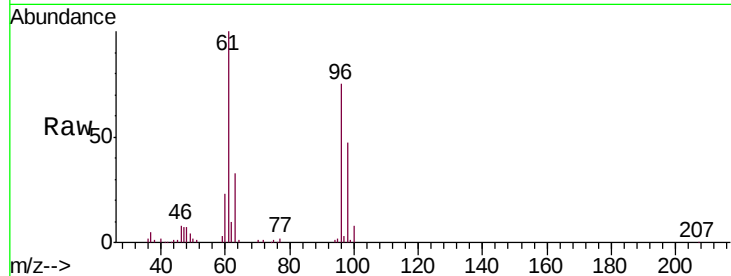


#20

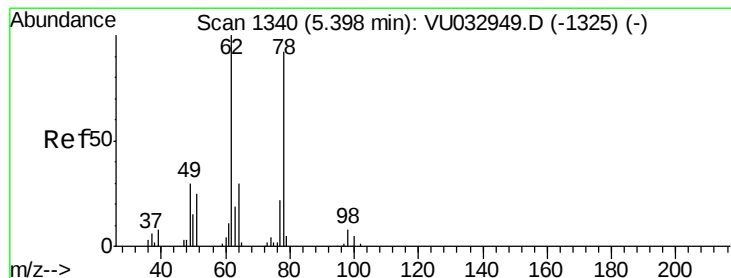
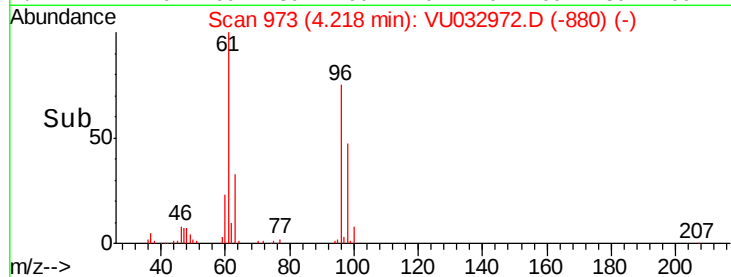
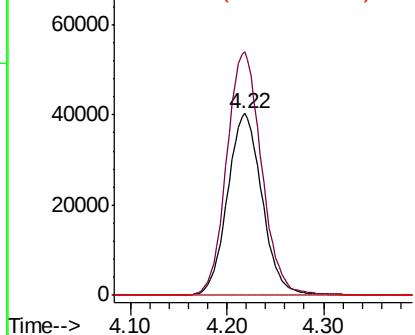
cis-1,2-Dichloroethene
Concen: 71.343 ug/L
RT: 4.22 min Scan# 973
Delta R.T. 0.00 min
Lab File: VU032972.D
Acq: 22 Jun 2019 01:59

Instrument :
MSVOA_U
ClientSampled :
ETF42

Tgt Ion: 96 Resp: 100158
Ion Ratio Lower Upper
96 100
61 134.0 92.4 171.6
68 0.0 0.0 0.0



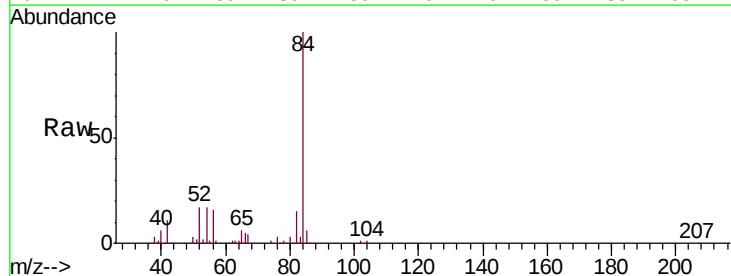
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



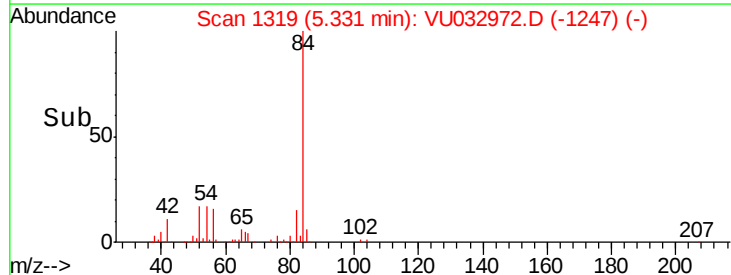
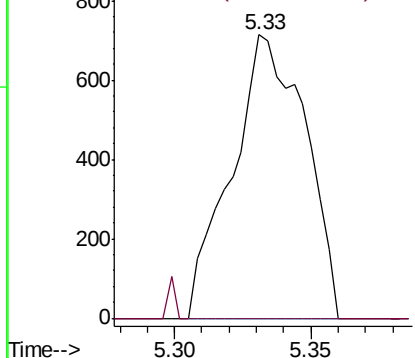
#27

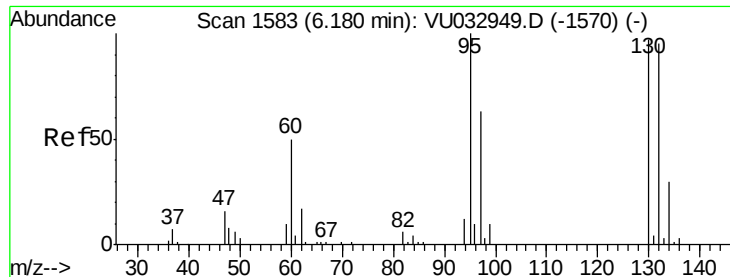
1,2-Dichloroethane
Concen: 0.643 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.07 min
Lab File: VU032972.D
Acq: 22 Jun 2019 01:59

Tgt Ion: 62 Resp: 1339
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 14.401 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

Instrument :

MSVOA_U

ClientSampleId :

ETF42

Tgt Ion: 95 Resp: 20500

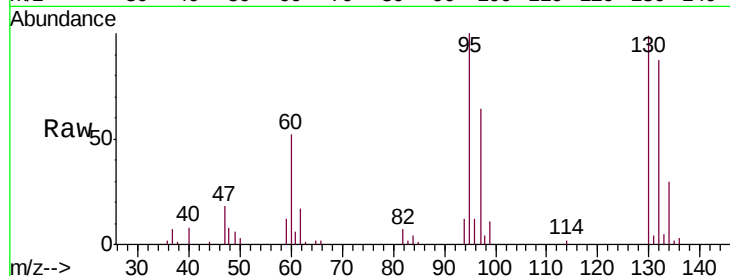
Ion Ratio Lower Upper

95 100

97 64.2 45.9 85.3

132 87.4 68.5 127.3

130 98.6 70.8 131.4

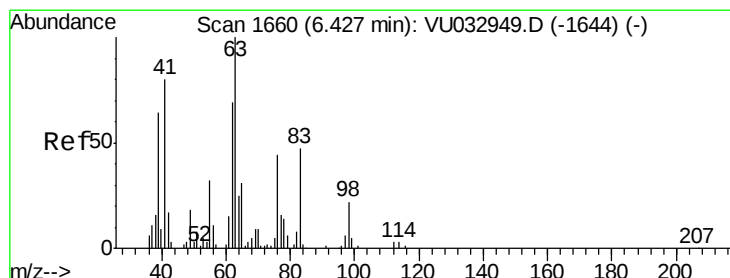
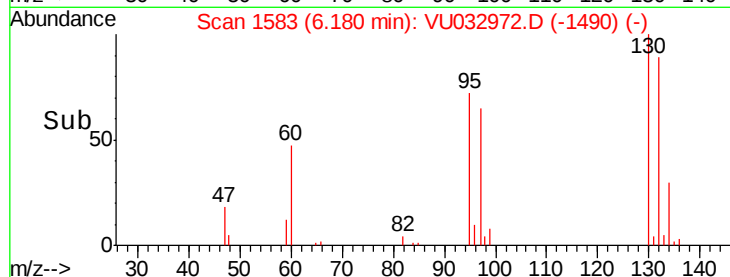
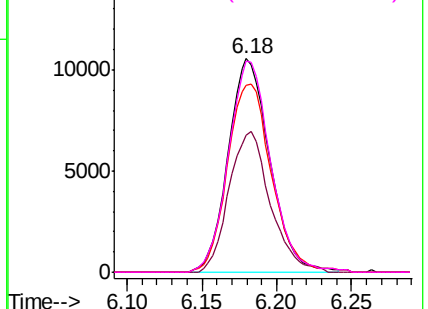


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#37

1,2-Dichloropropane

Concen: 6.071 ug/L

RT: 6.32 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VU032972.D

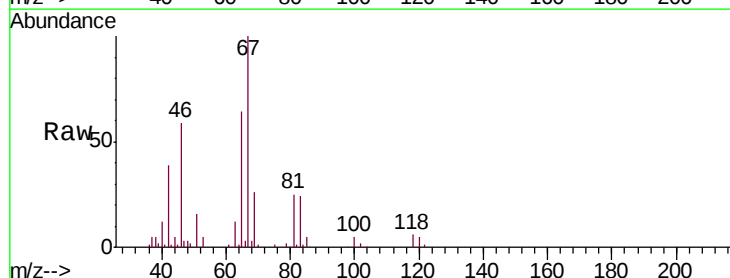
Acq: 22 Jun 2019 01:59

Tgt Ion: 63 Resp: 8873

Ion Ratio Lower Upper

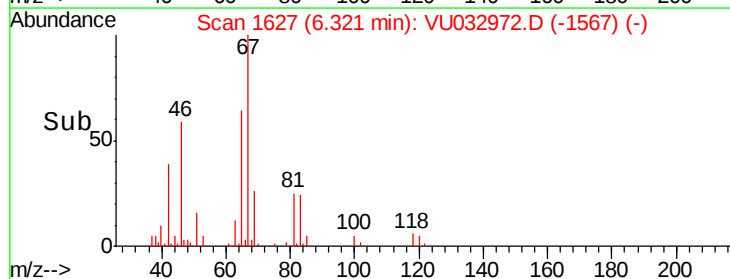
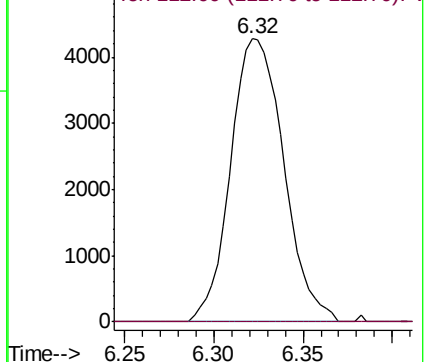
63 100

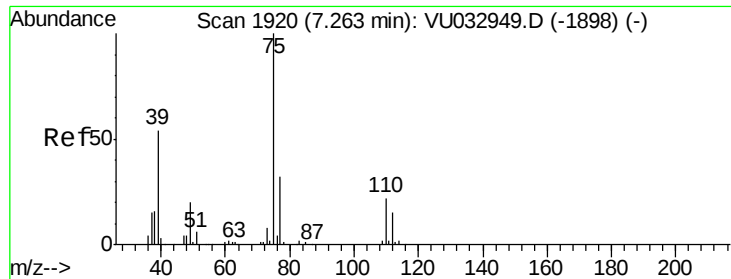
112 0.0 3.0 4.6#



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: 1.140 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

Instrument :

MSVOA_U

ClientSampleId :

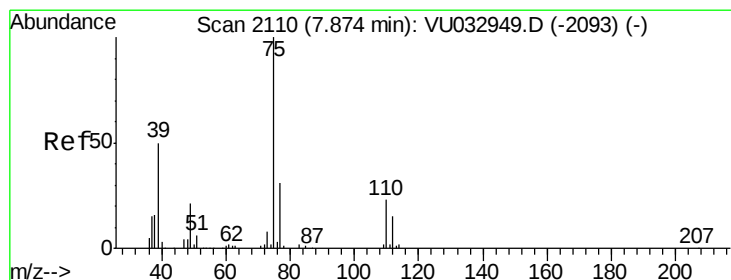
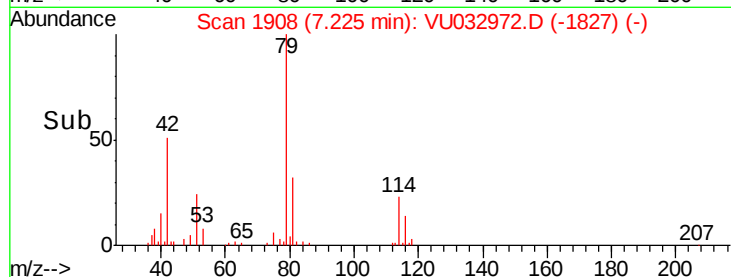
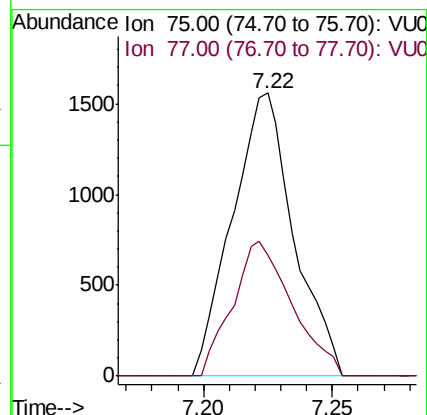
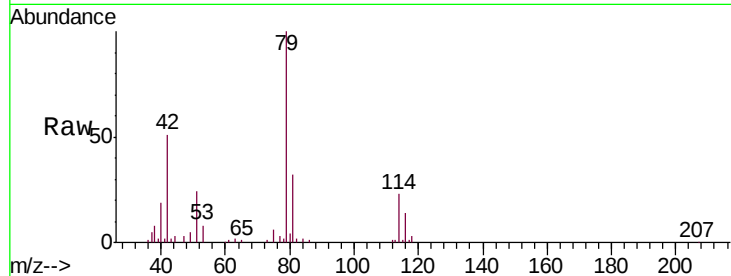
ETF42

Tgt Ion: 75 Resp: 2595

Ion Ratio Lower Upper

75 100

77 42.7 21.9 40.7#



#44

trans-1,3-Dichloropropene

Concen: 0.702 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU032972.D

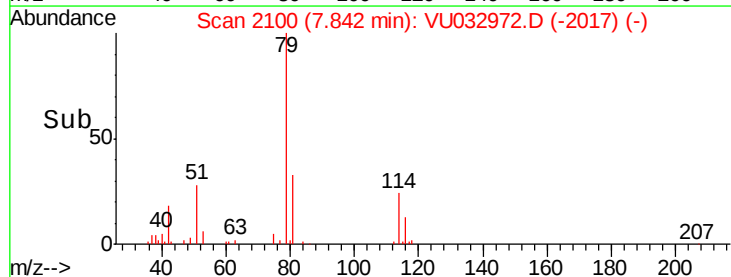
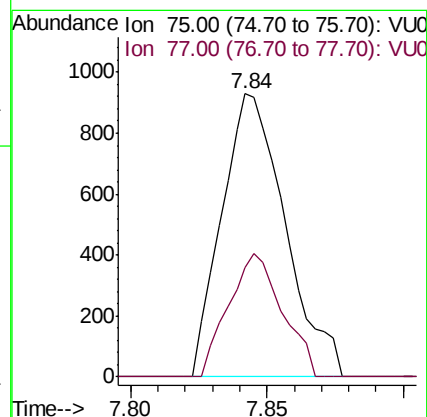
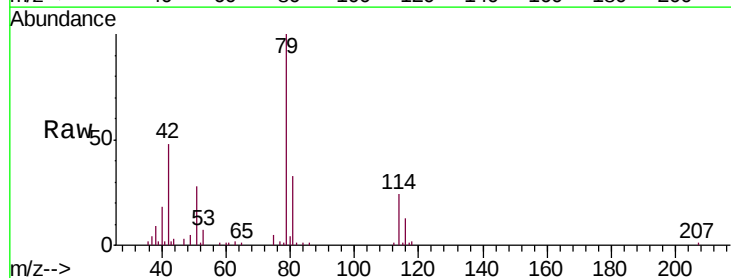
Acq: 22 Jun 2019 01:59

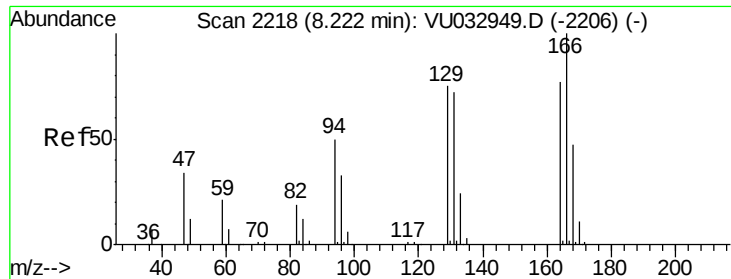
Tgt Ion: 75 Resp: 1501

Ion Ratio Lower Upper

75 100

77 38.6 21.8 40.4





#46

Tetrachloroethene

Concen: 0.446 ug/L

RT: 8.23 min Scan# 2220

Delta R.T. 0.01 min

Lab File: VU032972.D

Acq: 22 Jun 2019 01:59

Instrument :

MSVOA_U

ClientSampleId :

ETF42

Tgt Ion:164 Resp: 520

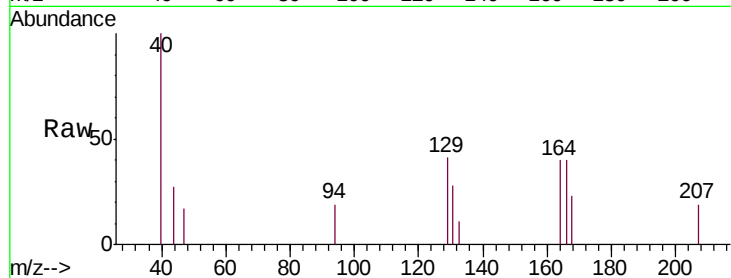
Ion Ratio Lower Upper

164 100

129 102.3 64.8 120.3

131 71.5 64.5 119.7

166 101.7 91.3 169.6

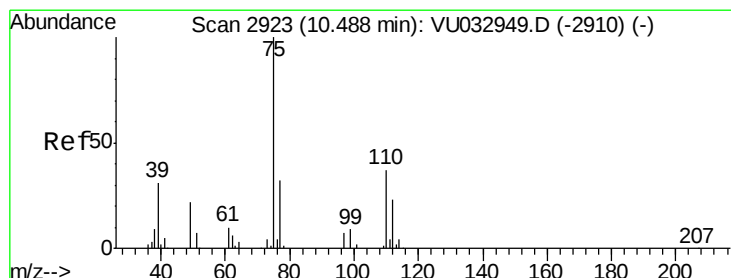
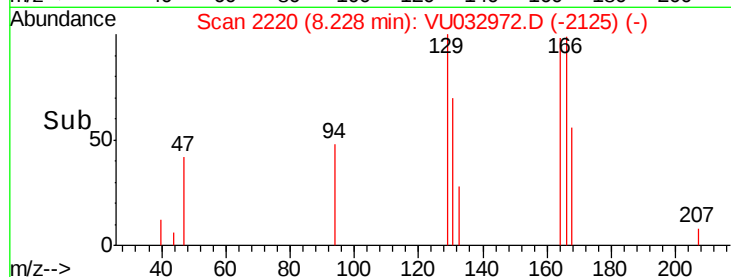
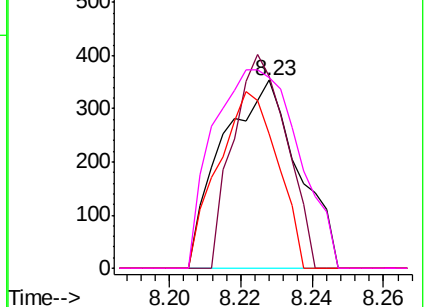


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 5.683 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032972.D

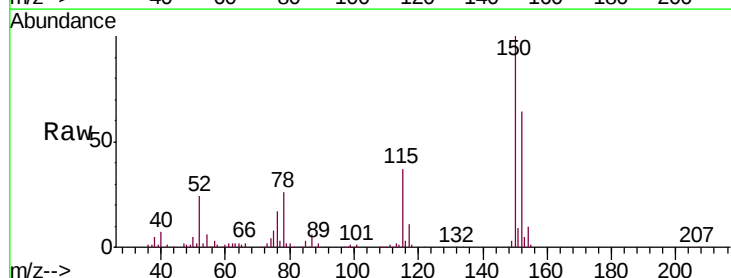
Acq: 22 Jun 2019 01:59

Tgt Ion: 75 Resp: 11084

Ion Ratio Lower Upper

75 100

77 39.4 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

