

Data File : VU033003.D
Acq On : 24 Jun 2019 13:36
Operator : JC/SP
Sample : K3478-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF26

Quant Time: Jun 25 05:27:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	196419	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	194026	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92155	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37129	27.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	55.32%#
7) Chloroethane-d5	1.68	69	36582	34.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.34%#
11) 1,1-Dichloroethene-d2	2.27	63	65975	24.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	48.80%#
21) 2-Butanone-d5	4.17	46	124524	111.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.45%
24) Chloroform-d	4.64	84	111646	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.56%
26) 1,2-Dichloroethane-d4	5.30	65	78930	45.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.82%
32) Benzene-d6	5.33	84	199728	39.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.98%
36) 1,2-Dichloropropane-d6	6.32	67	70325	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.30%
41) Toluene-d8	7.56	98	176038	37.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.34%#
43) trans-1,3-Dichloropropene-	7.85	79	34357	40.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.98%
47) 2-Hexanone-d5	8.31	63	71276	94.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.74%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	116674	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	78719	44.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.28%

Target Compounds

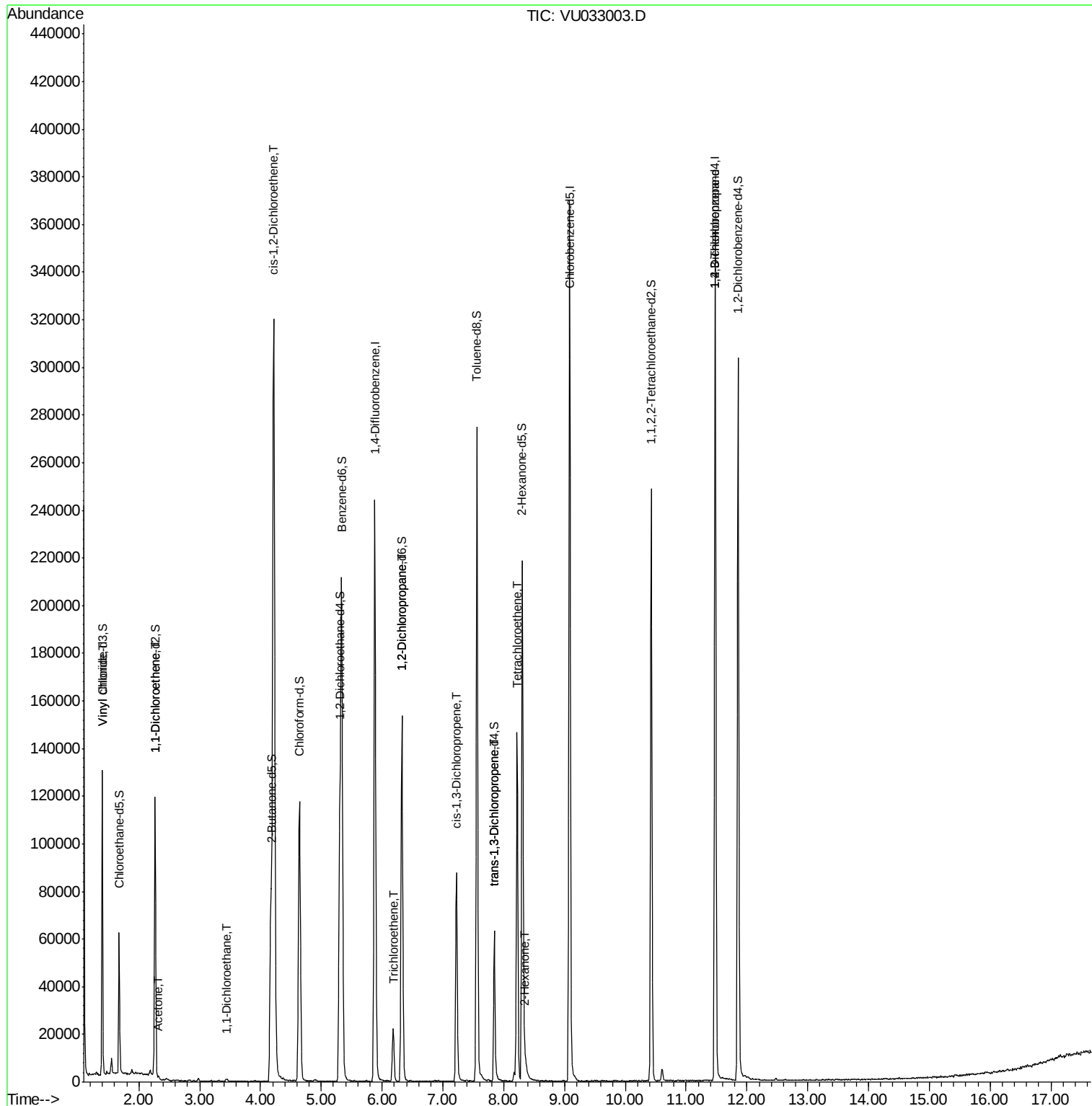
						Qvalue
5) Vinyl chloride	1.40	62	42116	23.612	ug/L	99
12) 1,1-Dichloroethene	2.27	96	1131	0.914	ug/L #	1
13) Acetone	2.32	43	877	0.568	ug/L #	44
19) 1,1-Dichloroethane	3.43	63	1514	0.592	ug/L #	89
20) cis-1,2-Dichloroethene	4.22	96	167404	114.564	ug/L	98
34) Trichloroethene	6.18	95	7394	4.951	ug/L	95
37) 1,2-Dichloropropane	6.32	63	8452	5.513	ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2357	0.987	ug/L #	75
44) trans-1,3-Dichloropropene	7.84	75	1590	0.709	ug/L	88
46) Tetrachloroethene	8.22	164	30843	25.204	ug/L	98
48) 2-Hexanone	8.36	43	3259	1.509	ug/L #	49
59) 1,2,3-Trichloropropane	11.48	75	11520	5.630	ug/L #	84

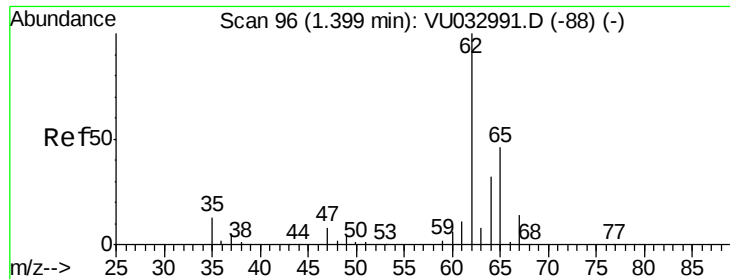
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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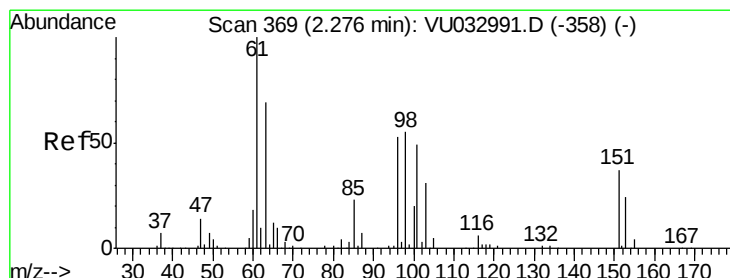
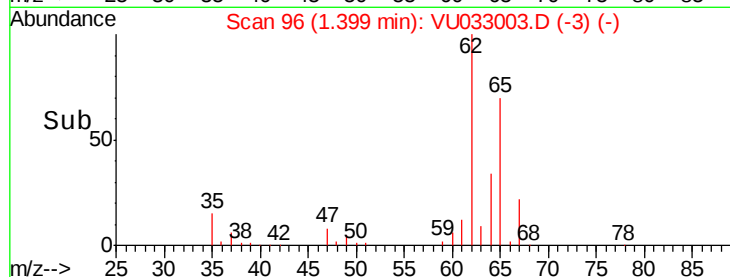
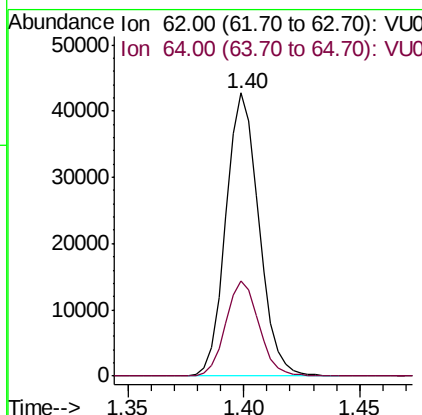
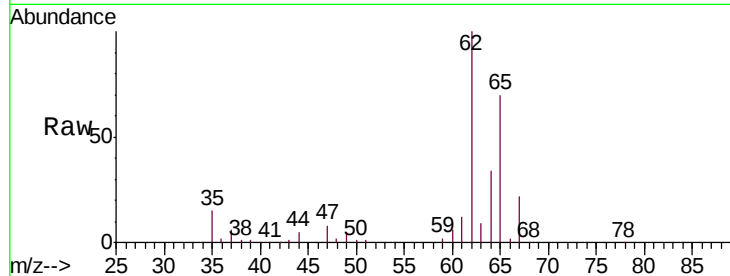




#5
 Vinyl chloride
 Concen: 23.612 ug/L
 RT: 1.40 min Scan# 96
 Delta R.T. 0.00 min
 Lab File: VU033003.D
 Acq: 24 Jun 2019 13:36

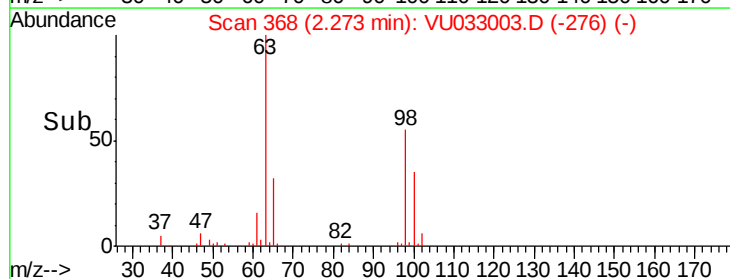
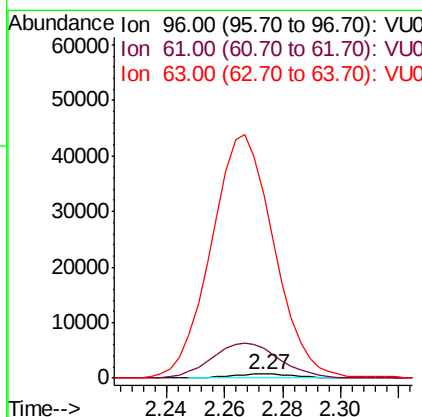
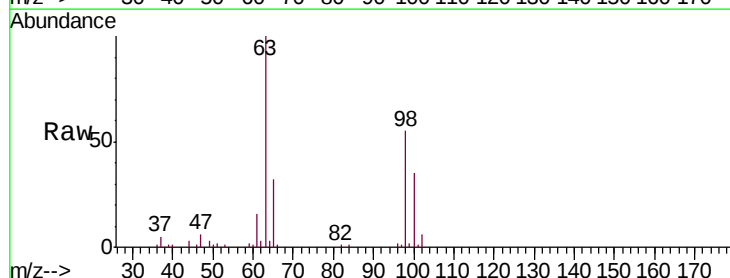
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF26

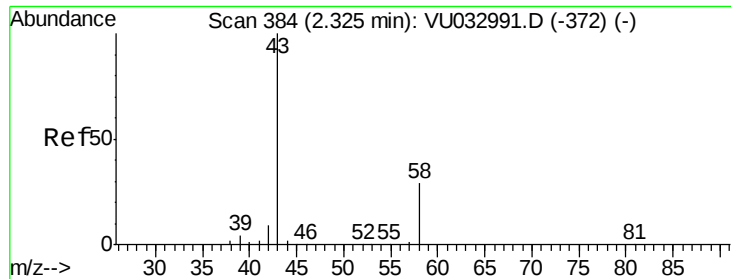
Tgt Ion: 62 Resp: 42116
 Ion Ratio Lower Upper
 62 100
 64 33.5 23.0 42.6



#12
 1,1-Dichloroethene
 Concen: 0.914 ug/L
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU033003.D
 Acq: 24 Jun 2019 13:36

Tgt Ion: 96 Resp: 1131
 Ion Ratio Lower Upper
 96 100
 61 756.3 131.0 243.4#
 63 4704.1 101.0 187.6#

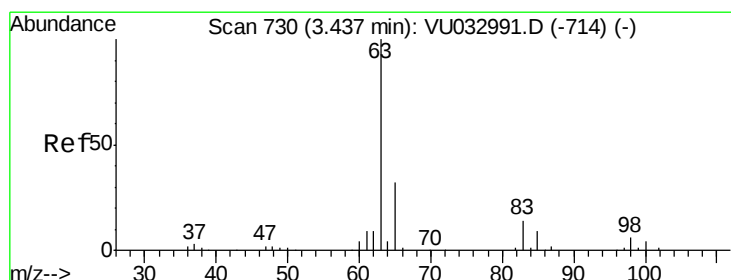
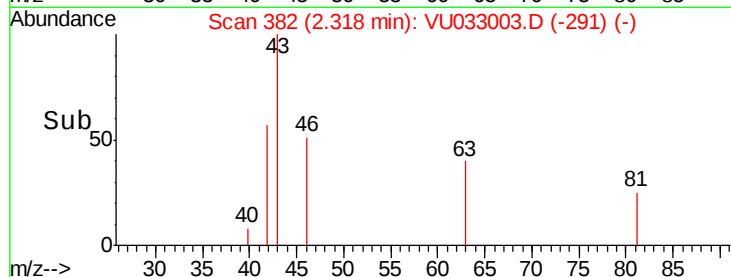
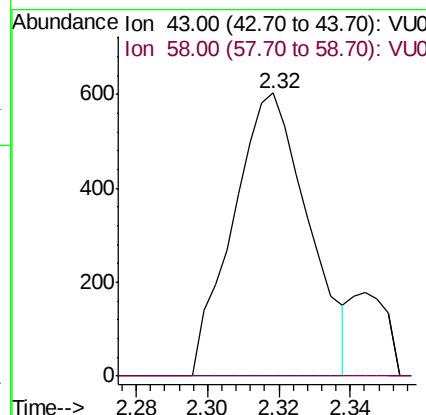
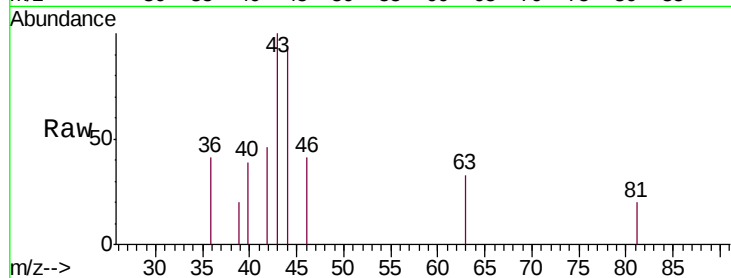




#13
Acetone
Concen: 0.568 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.01 min
Lab File: VU033003.D
Acq: 24 Jun 2019 13:36

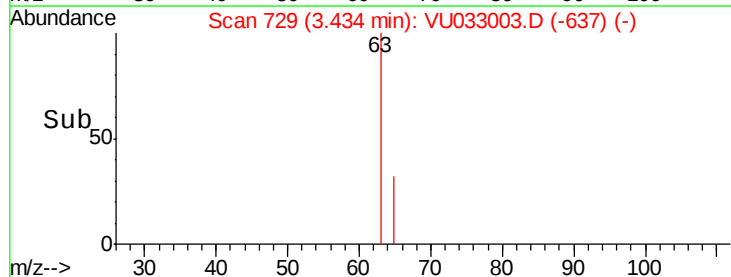
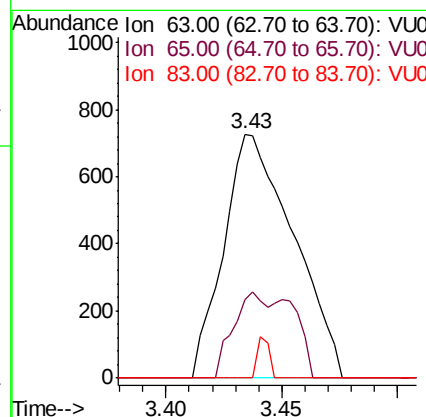
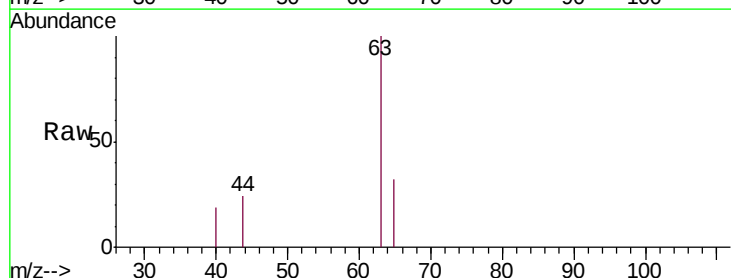
Instrument :
MSVOA_U
ClientSampleId :
ETF26

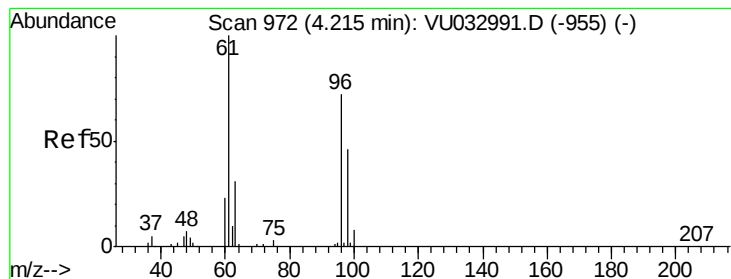
Tgt Ion: 43 Resp: 877
Ion Ratio Lower Upper
43 100
58 0.0 0.0 60.6



#19
1,1-Dichloroethane
Concen: 0.592 ug/L
RT: 3.43 min Scan# 729
Delta R.T. -0.00 min
Lab File: VU033003.D
Acq: 24 Jun 2019 13:36

Tgt Ion: 63 Resp: 1514
Ion Ratio Lower Upper
63 100
65 32.0 22.0 41.0
83 0.0 9.5 17.7#





#20

cis-1,2-Dichloroethene

Concen: 114.564 ug/L

RT: 4.22 min Scan# 972

Delta R.T. 0.00 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

ETF26

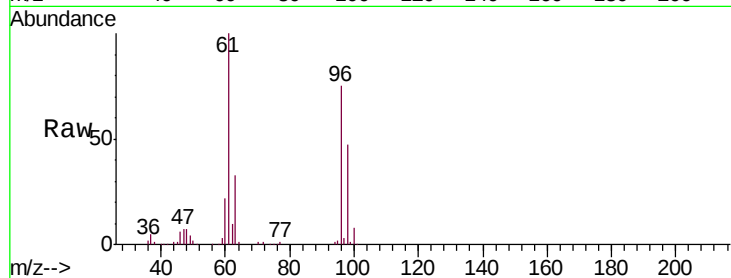
Tgt Ion: 96 Resp: 167404

Ion Ratio Lower Upper

96 100

61 134.1 92.4 171.6

68 0.0 0.0 0.0

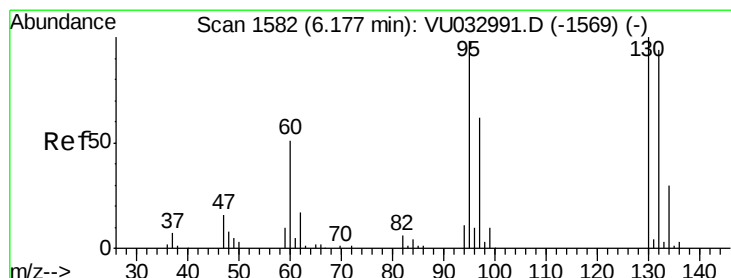
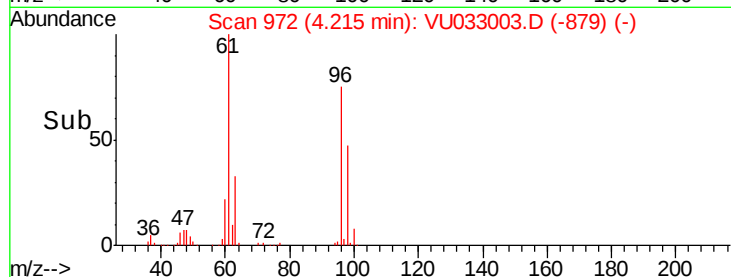
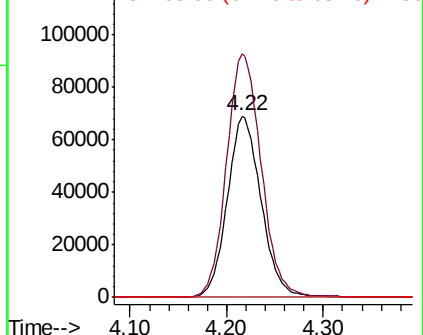


Abundance

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



#34

Trichloroethene

Concen: 4.951 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Tgt Ion: 95 Resp: 7394

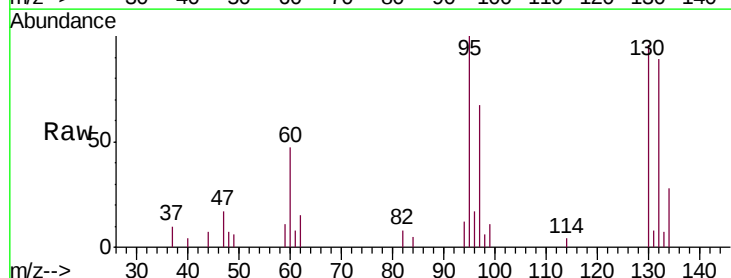
Ion Ratio Lower Upper

95 100

97 66.6 45.9 85.3

132 89.5 68.5 127.3

130 96.1 70.8 131.4



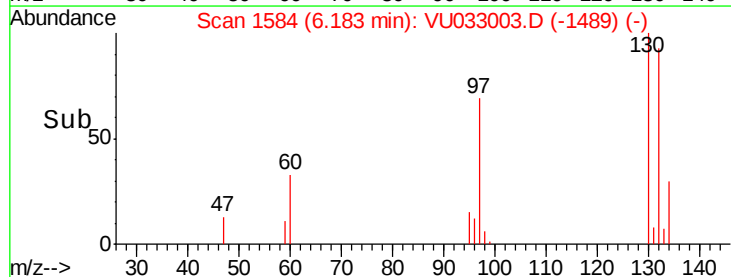
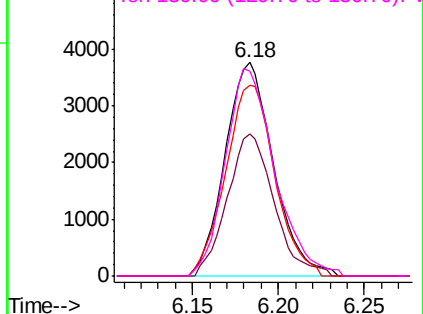
Abundance

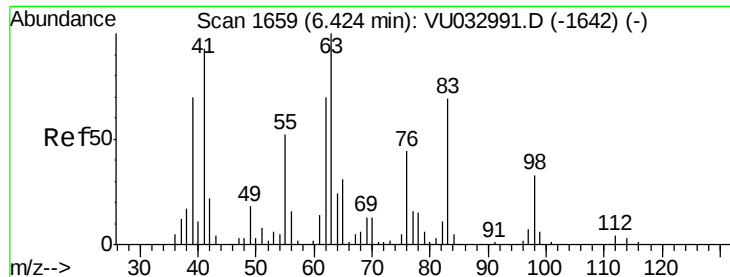
Ion 95.00 (94.70 to 95.70): VU0

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: 5.513 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

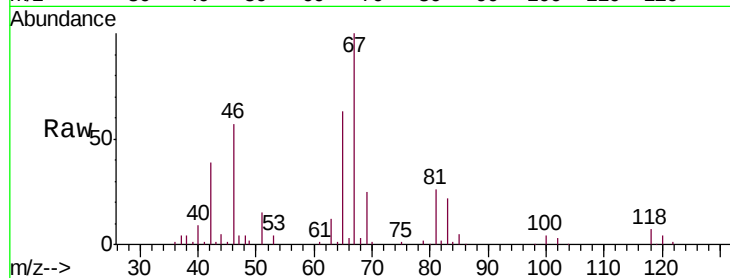
ETF26

Tgt Ion: 63 Resp: 8452

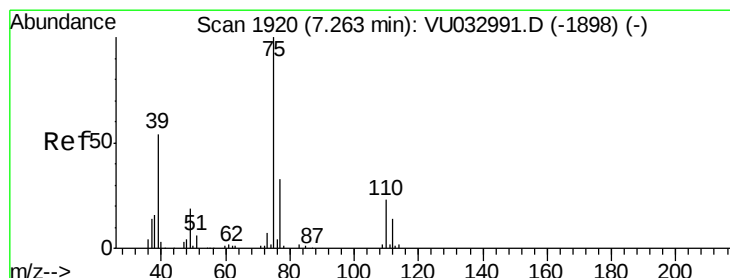
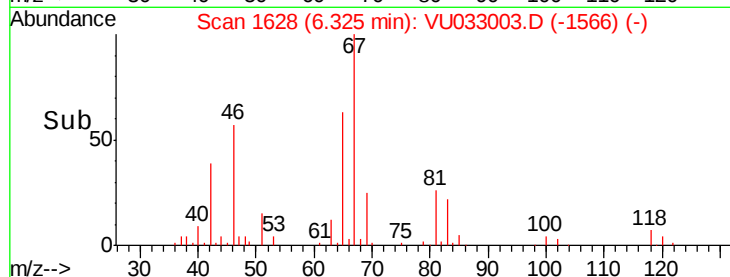
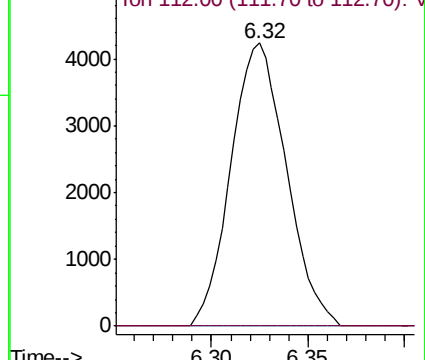
Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033003.D (-1566) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.987 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU033003.D

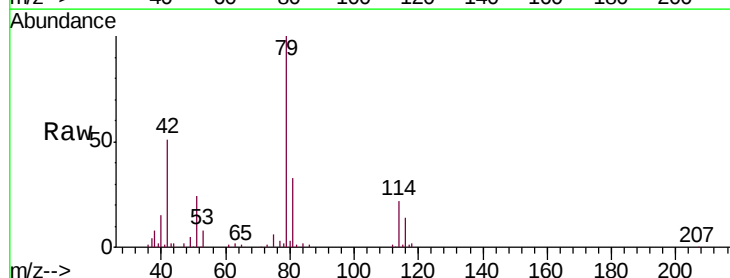
Acq: 24 Jun 2019 13:36

Tgt Ion: 75 Resp: 2357

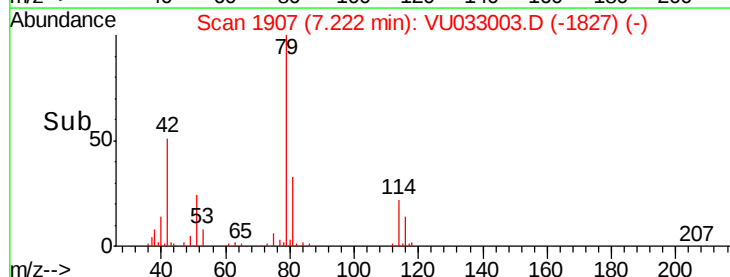
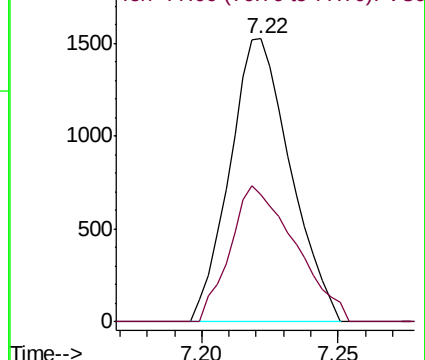
Ion Ratio Lower Upper

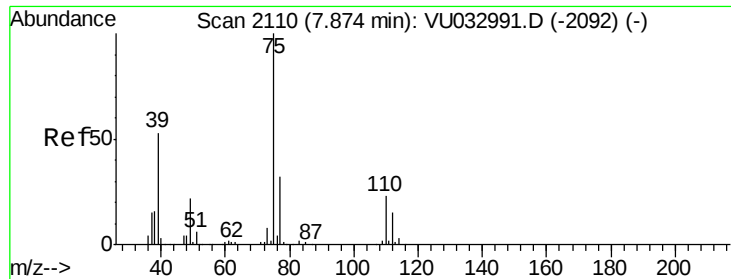
75 100

77 45.1 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VU033003.D (-1827) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.709 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. -0.03 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Instrument :

MSVOA_U

ClientSampled :

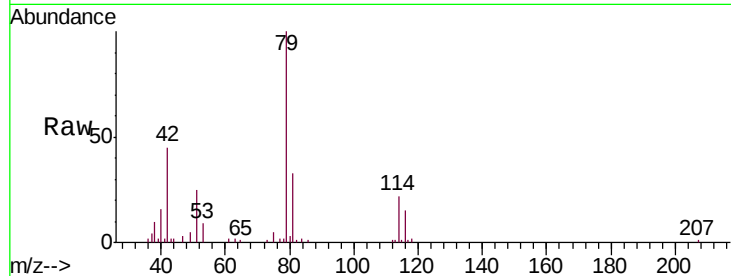
ETF26

Tgt Ion: 75 Resp: 1590

Ion Ratio Lower Upper

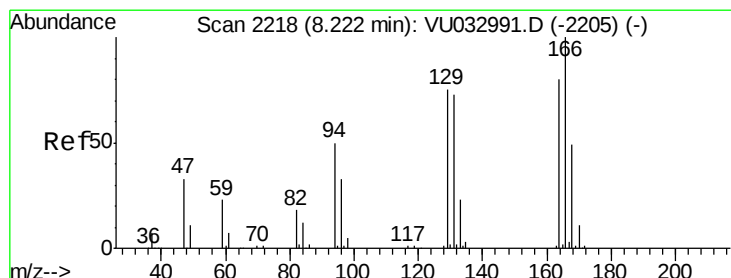
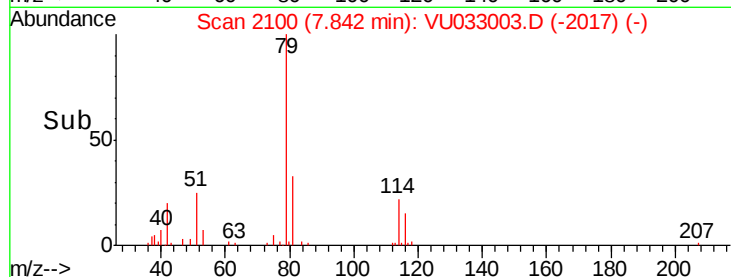
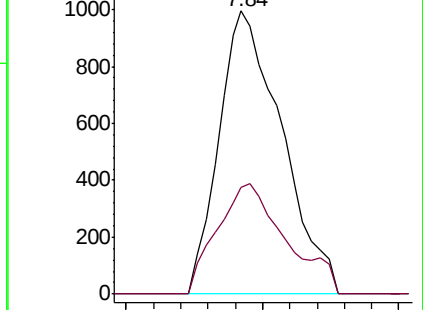
75 100

77 37.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU032991.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU032991.D (-2092) (-)



#46

Tetrachloroethene

Concen: 25.204 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033003.D

Acq: 24 Jun 2019 13:36

Tgt Ion: 164 Resp: 30843

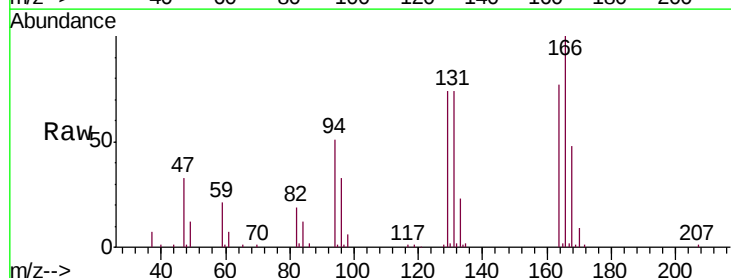
Ion Ratio Lower Upper

164 100

129 95.2 64.8 120.3

131 94.9 64.5 119.7

166 129.1 91.3 169.6

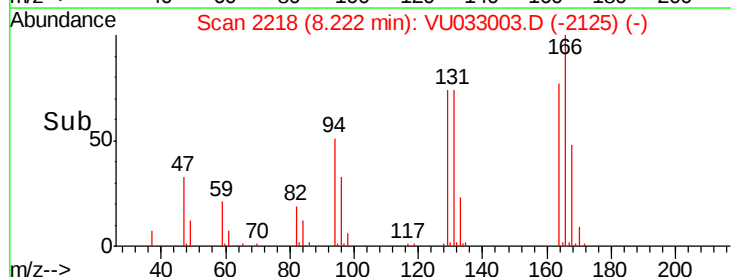
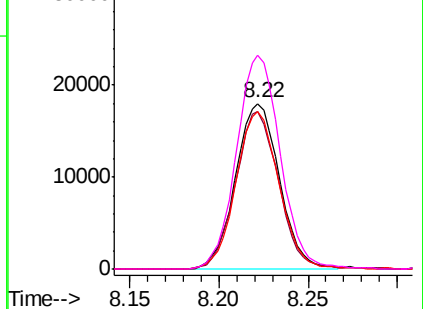


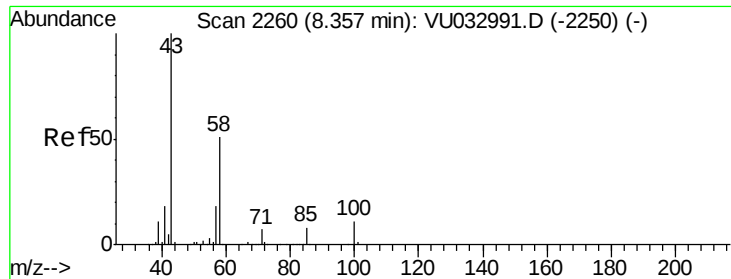
Abundance Ion 164.00 (163.70 to 164.70): VU032991.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU032991.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU032991.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU032991.D (-2205) (-)

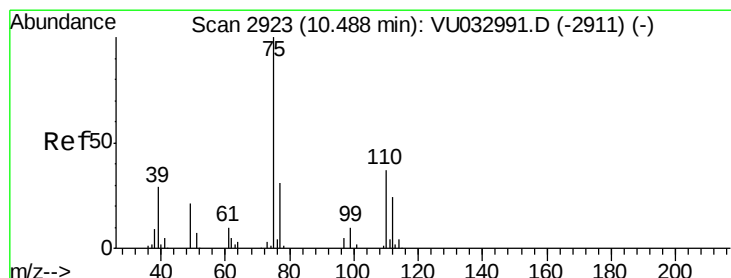
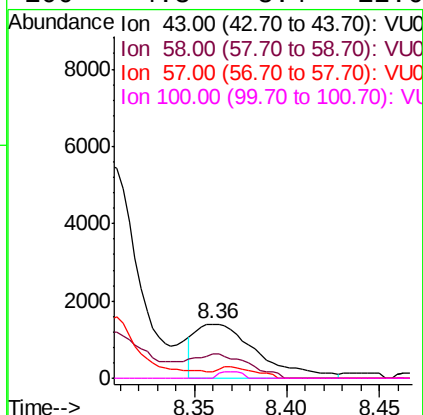
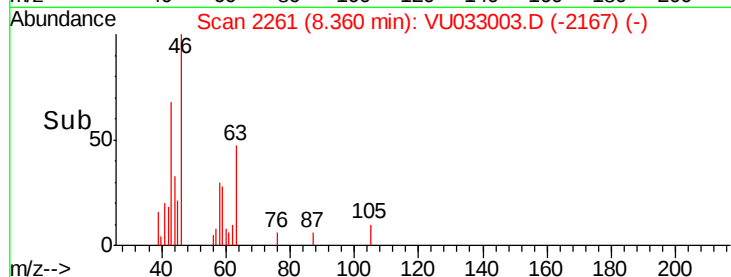
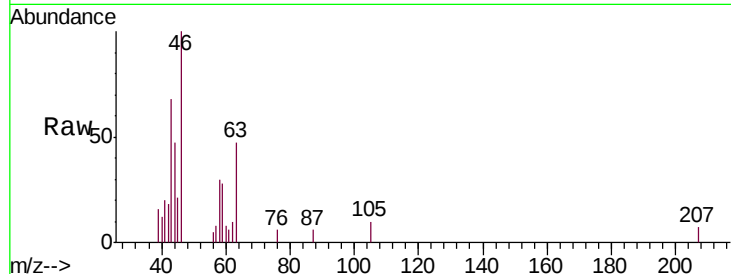




#48
 2-Hexanone
 Concen: 1.509 ug/L
 RT: 8.36 min Scan# 2261
 Delta R.T. 0.00 min
 Lab File: VU033003.D
 Acq: 24 Jun 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF26

Tgt Ion: 43 Resp: 3259
 Ion Ratio Lower Upper
 43 100
 58 0.0 40.2 60.2#
 57 13.3 14.2 21.4#
 100 4.3 8.4 12.6#



#59
 1,2,3-Trichloropropane
 Concen: 5.630 ug/L
 RT: 11.48 min Scan# 3230
 Delta R.T. 0.99 min
 Lab File: VU033003.D
 Acq: 24 Jun 2019 13:36

Tgt Ion: 75 Resp: 11520
 Ion Ratio Lower Upper
 75 100
 77 40.7 25.5 38.3#

