

Data File : VU033001.D
Acq On : 24 Jun 2019 12:50
Operator : JC/SP
Sample : K3478-07MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF22MS

Quant Time: Jun 25 05:27:13 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	198383	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193135	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93999	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	55692	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.67	69	49891	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.28%
11) 1,1-Dichloroethene-d2	2.27	63	126166	46.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.38%
21) 2-Butanone-d5	4.17	46	128681	114.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.03%
24) Chloroform-d	4.64	84	130665	49.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.16%
26) 1,2-Dichloroethane-d4	5.30	65	95409	54.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.68%
32) Benzene-d6	5.33	84	254428	50.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.08%
36) 1,2-Dichloropropane-d6	6.32	67	83457	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.08%
41) Toluene-d8	7.56	98	233669	49.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.12%
43) trans-1,3-Dichloropropene-	7.85	79	41276	49.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.94%
47) 2-Hexanone-d5	8.31	63	77547	103.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.55%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	125395	50.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	94807	52.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.24%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	3587	1.991 ug/L #	73
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	905	0.683 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	58207	46.592 ug/L	98
13) Acetone	2.32	43	873	0.560 ug/L	66
17) trans-1,2-Dichloroethene	2.98	96	3689	2.723 ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	104324	70.688 ug/L	97
27) 1,2-Dichloroethane	5.38	62	2915	1.332 ug/L #	77
33) Benzene	5.38	78	280567	50.428 ug/L	100
34) Trichloroethene	6.18	95	93500	62.897 ug/L	100
35) Methylcyclohexane	6.32	83	19299	8.399 ug/L #	18
37) 1,2-Dichloropropane	6.32	63	10096	6.615 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	3164	1.331 ug/L #	75
42) Toluene	7.63	91	301477	50.082 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	2073	0.928 ug/L #	72
46) Tetrachloroethene	8.22	164	512	0.420 ug/L	92
48) 2-Hexanone	8.36	43	2354	1.095 ug/L #	82
51) Chlorobenzene	9.11	112	197866	49.950 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062419\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Tue Jun 25 05:22:49 2019
Response via : Initial Calibration

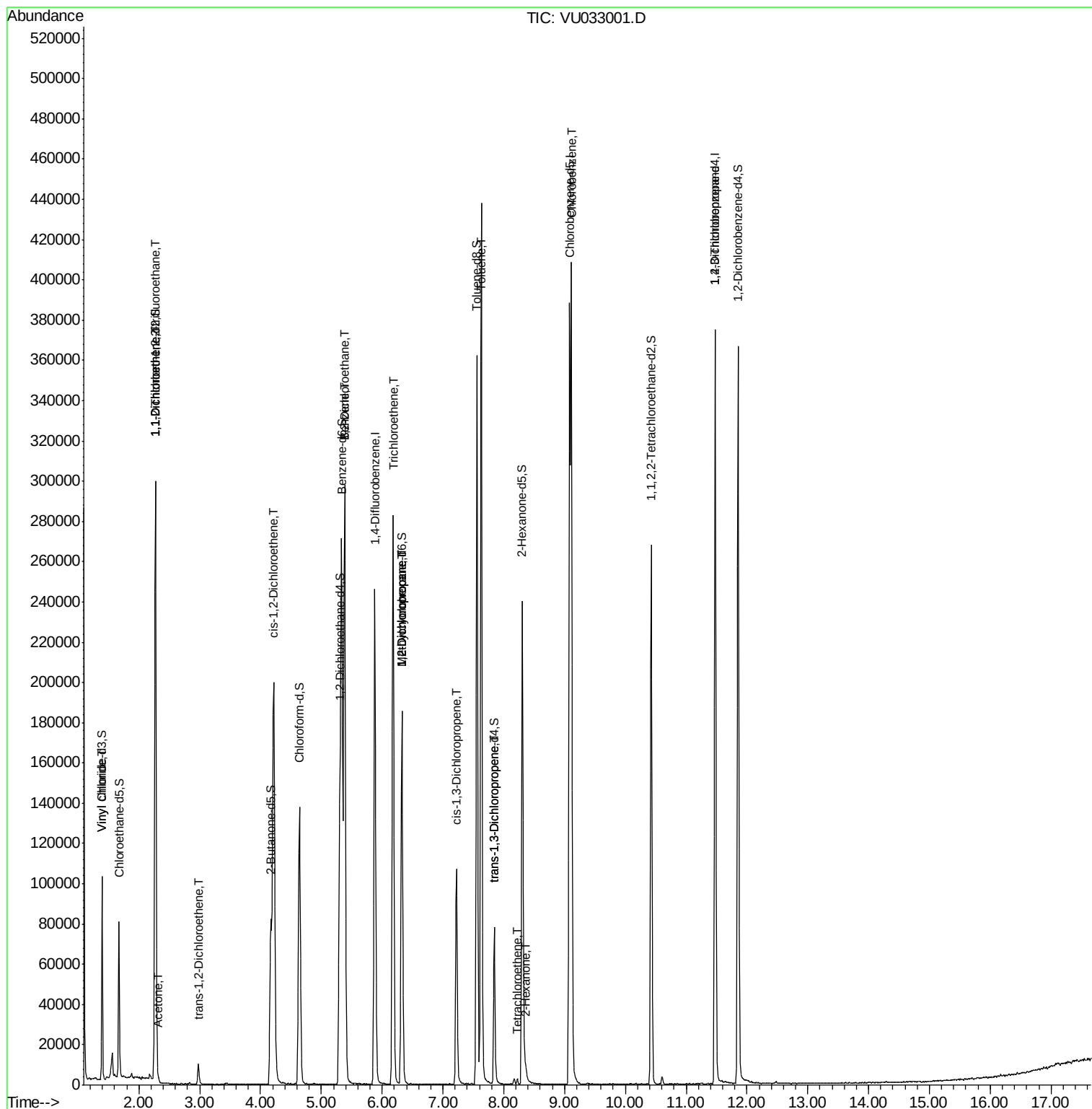
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59) 1,2,3-Trichloropropane	11.48	75	12331	6.054	ug/L	89

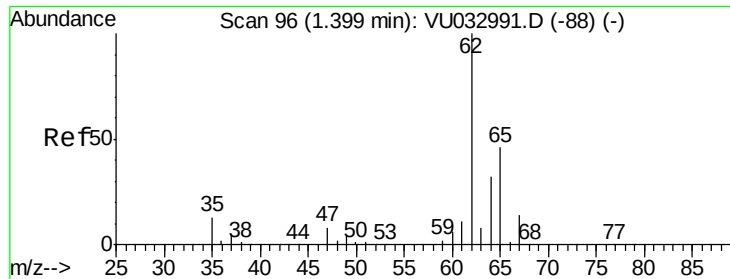
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.991 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

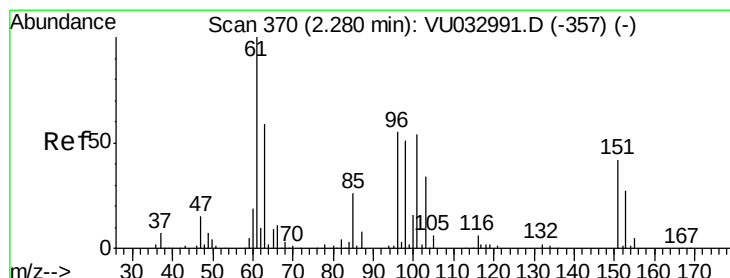
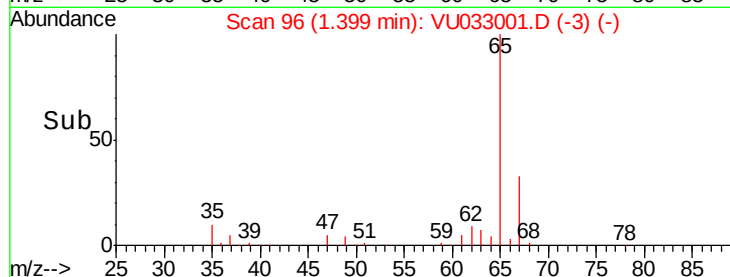
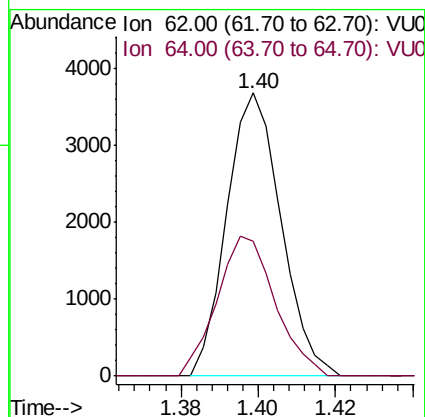
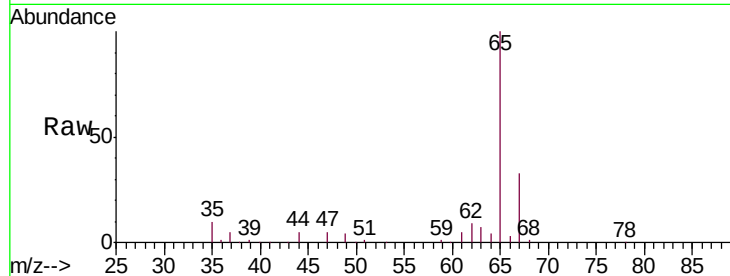
ETF22MS

Tgt Ion: 62 Resp: 3587

Ion Ratio Lower Upper

62 100

64 47.9 23.0 42.6#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.683 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

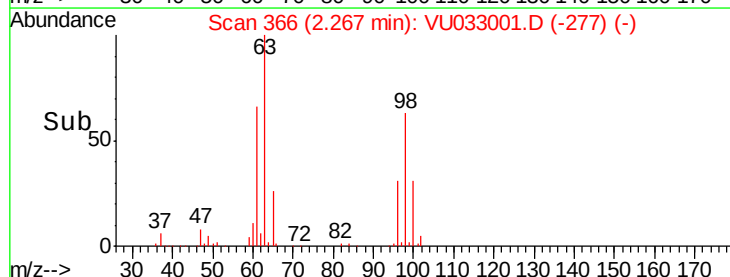
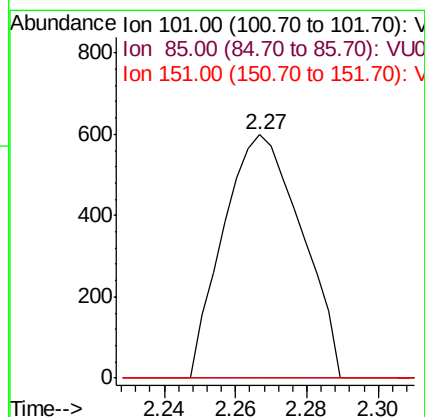
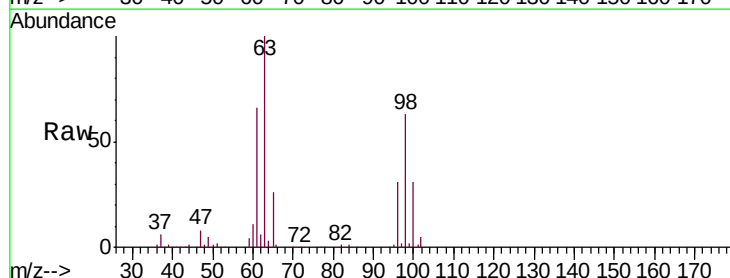
Tgt Ion: 101 Resp: 905

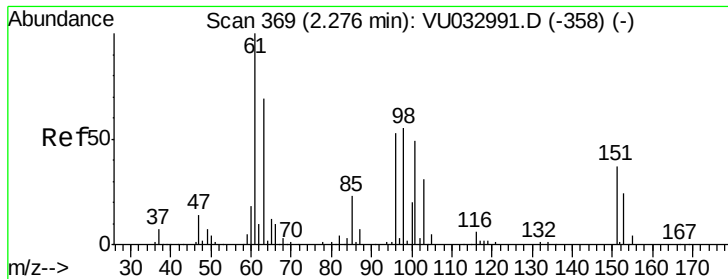
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 63.6 95.4#

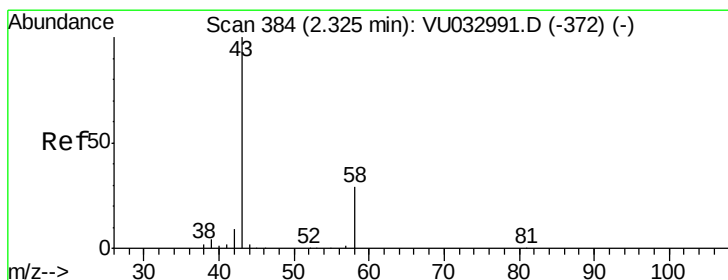
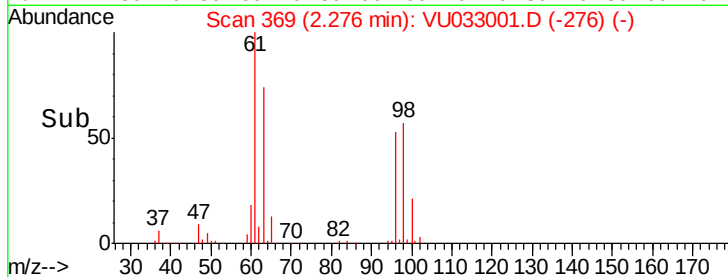
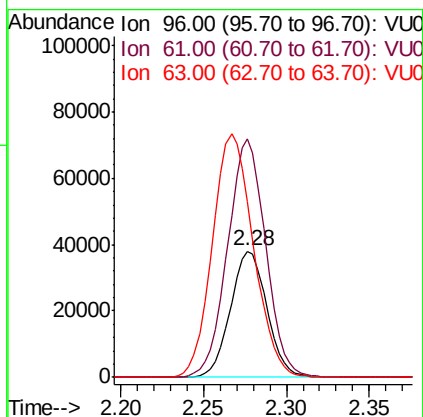
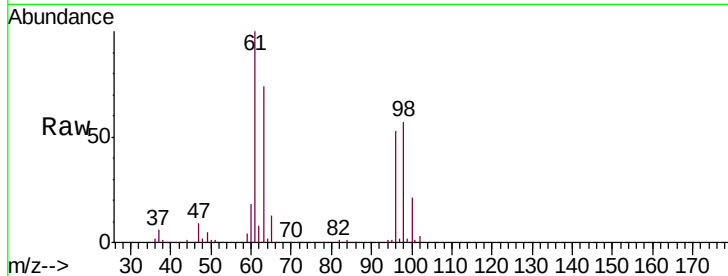




#12
 1,1-Dichloroethene
 Concen: 46.592 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU033001.D
 Acq: 24 Jun 2019 12:50

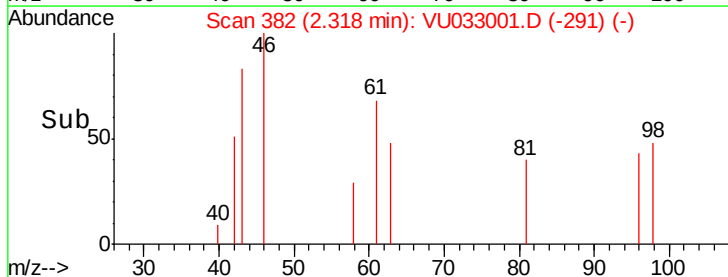
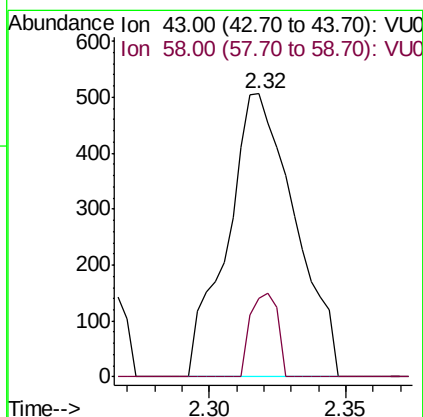
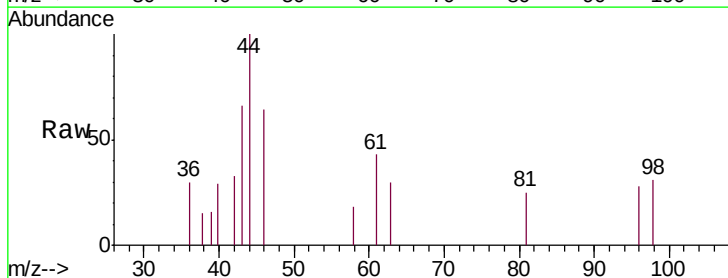
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MS

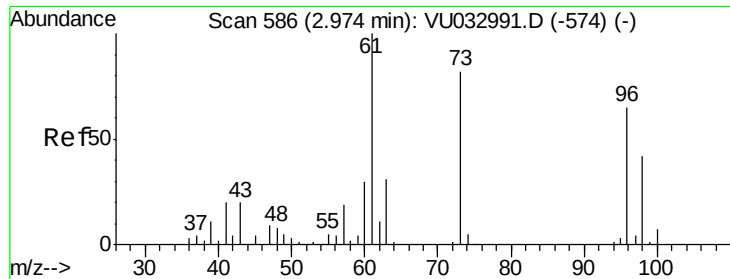
Tgt Ion: 96 Resp: 58207
 Ion Ratio Lower Upper
 96 100
 61 188.4 131.0 243.4
 63 139.4 101.0 187.6



#13
 Acetone
 Concen: 0.560 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VU033001.D
 Acq: 24 Jun 2019 12:50

Tgt Ion: 43 Resp: 873
 Ion Ratio Lower Upper
 43 100
 58 11.6 0.0 60.6

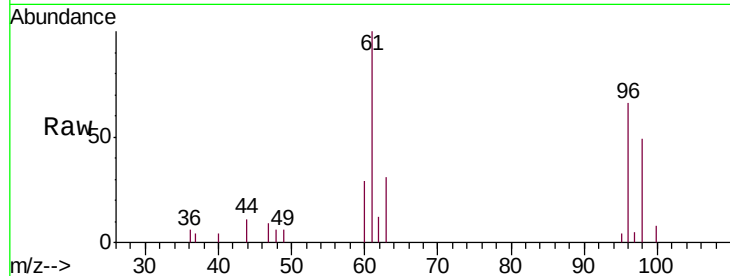




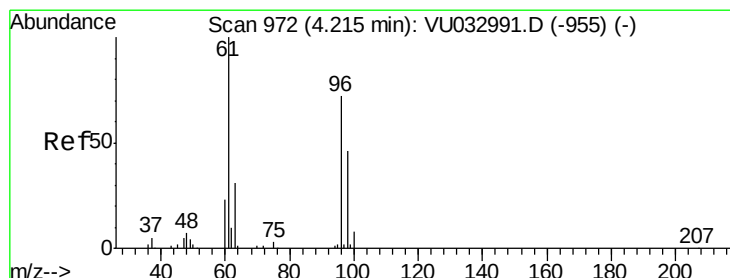
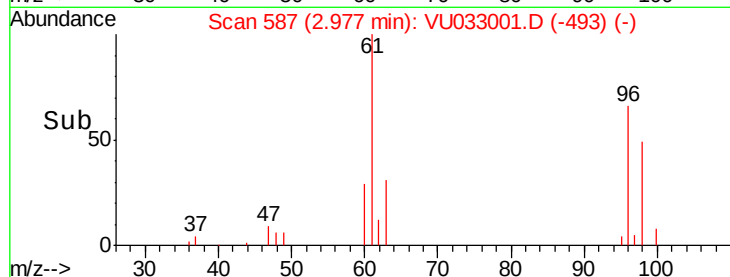
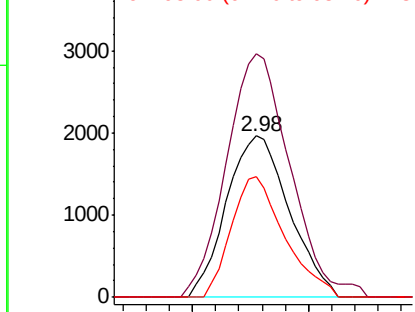
#17
trans-1,2-Dichloroethene
Concen: 2.723 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033001.D
Acq: 24 Jun 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
ETF22MS

Tgt Ion: 96 Resp: 3689
Ion Ratio Lower Upper
96 100
61 151.0 100.9 187.5
98 74.6 44.0 81.8

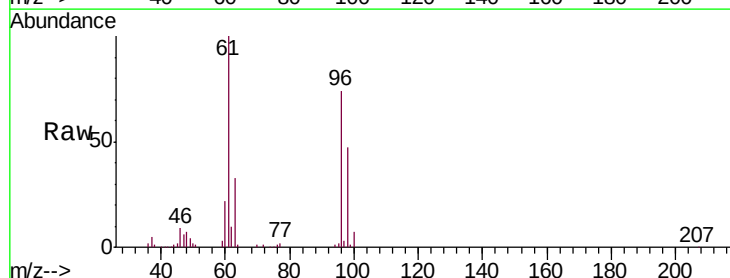


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

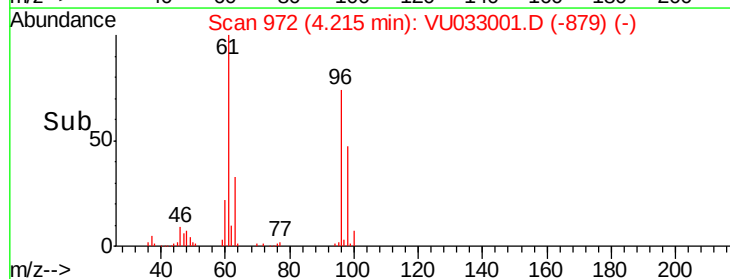
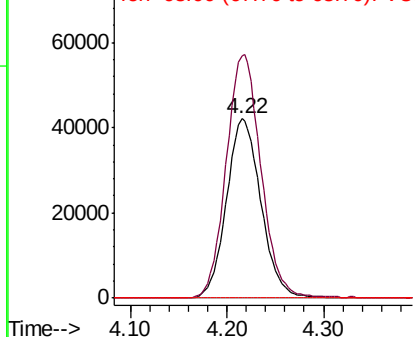


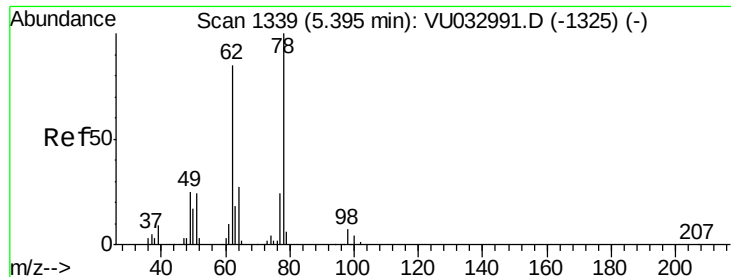
#20
cis-1,2-Dichloroethene
Concen: 70.688 ug/L
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU033001.D
Acq: 24 Jun 2019 12:50

Tgt Ion: 96 Resp: 104324
Ion Ratio Lower Upper
96 100
61 135.4 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

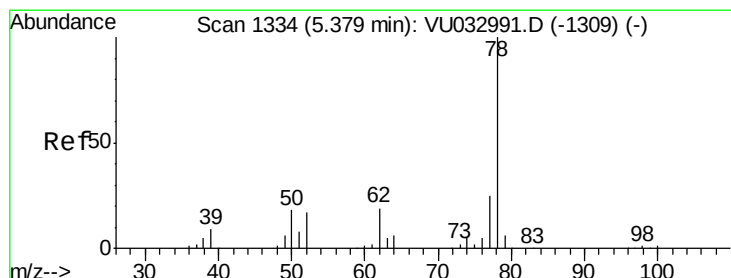
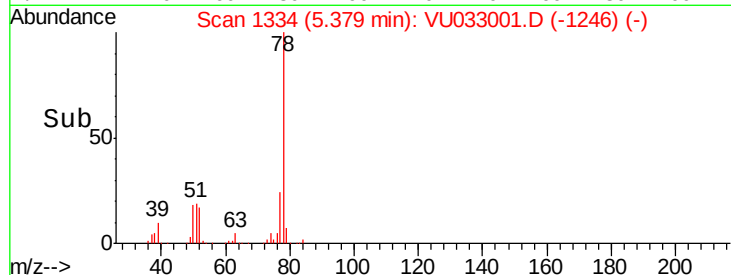
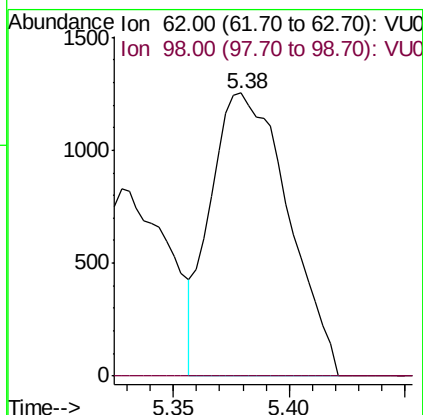
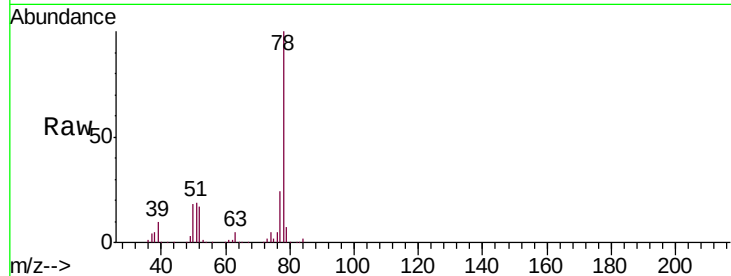




#27
 1,2-Dichloroethane
 Concen: 1.332 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VU033001.D
 Acq: 24 Jun 2019 12:50

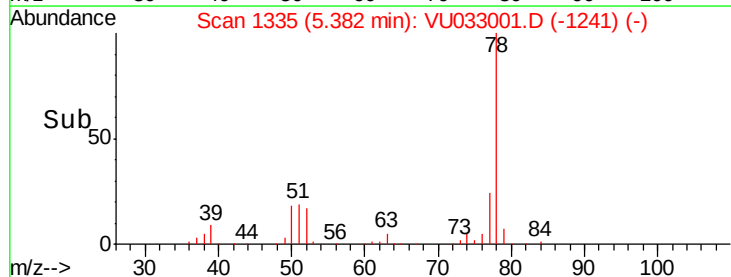
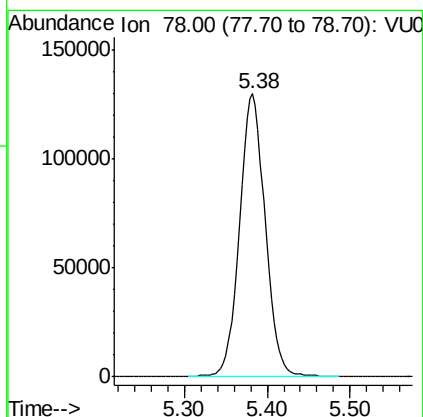
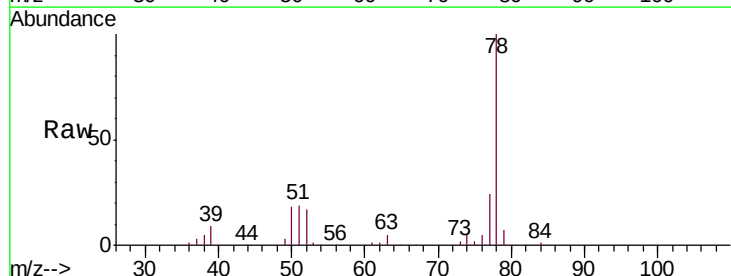
Instrument :
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 ETF22MS

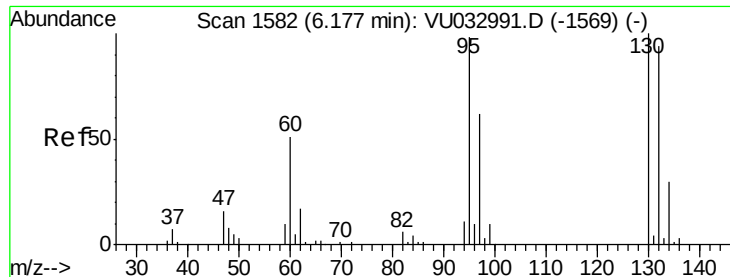
Tgt Ion: 62 Resp: 2915
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 50.428 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU033001.D
 Acq: 24 Jun 2019 12:50

Tgt Ion: 78 Resp: 280567





#34

Trichloroethene

Concen: 62.897 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

ETF22MS

Tgt Ion: 95 Resp: 93500

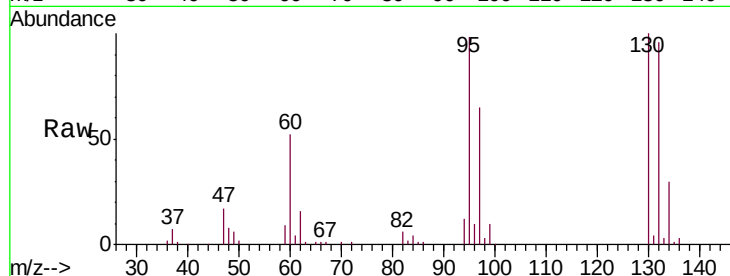
Ion Ratio Lower Upper

95 100

97 65.8 45.9 85.3

132 97.7 68.5 127.3

130 101.6 70.8 131.4

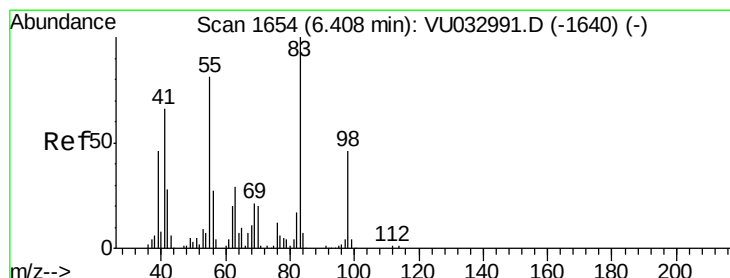
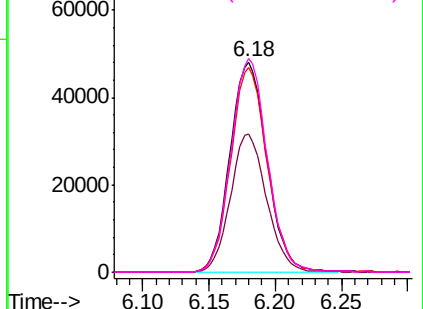
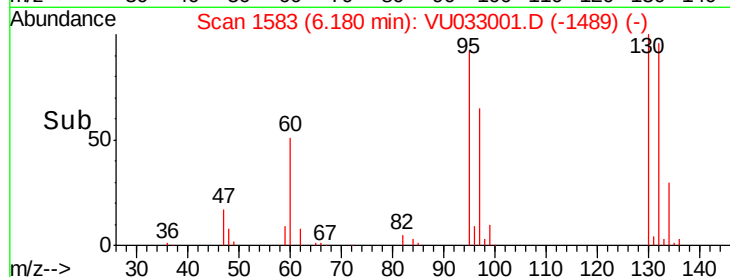


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 8.399 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

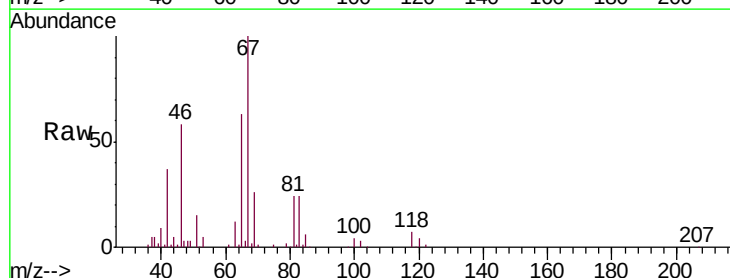
Tgt Ion: 83 Resp: 19299

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

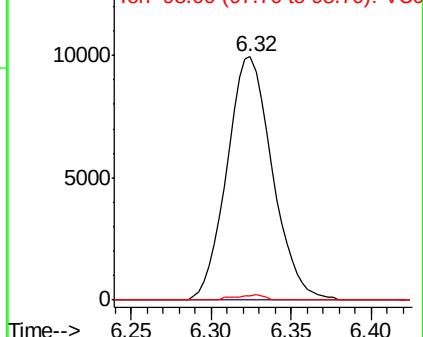
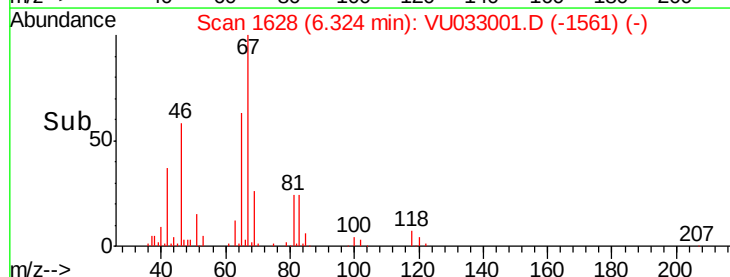
98 1.0 37.4 56.0#

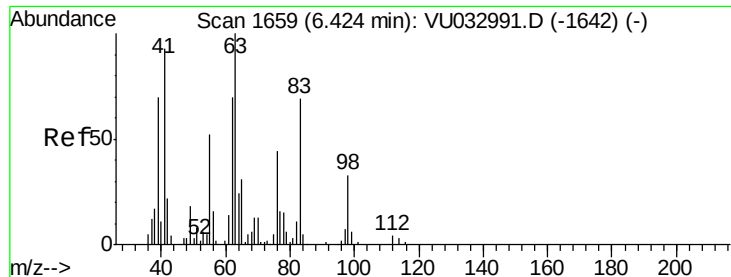


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

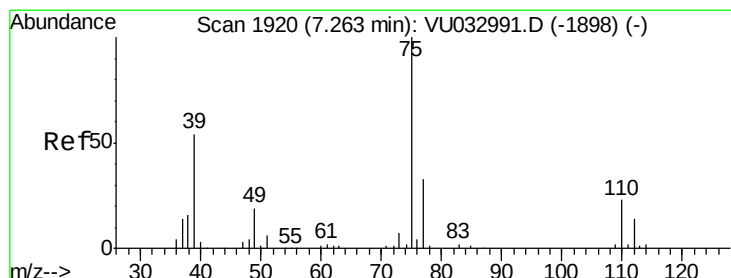
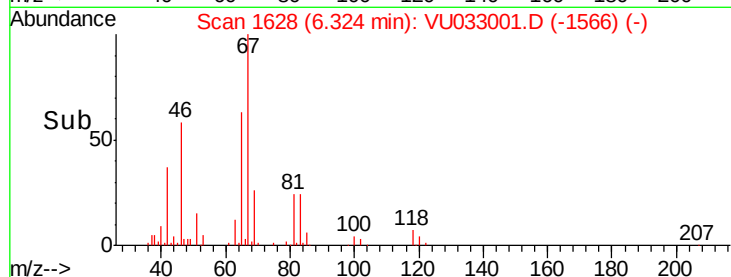
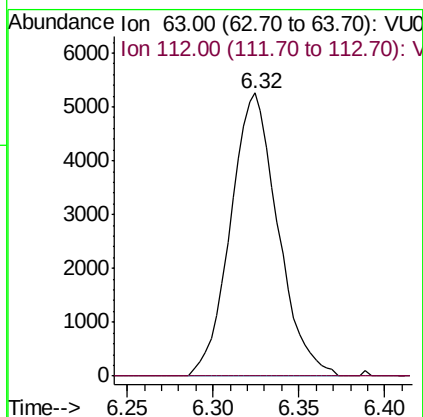
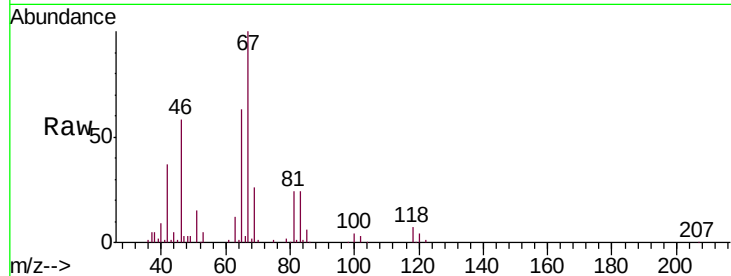




#37
 1,2-Dichloropropane
 Concen: 6.615 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU033001.D
 Acq: 24 Jun 2019 12:50

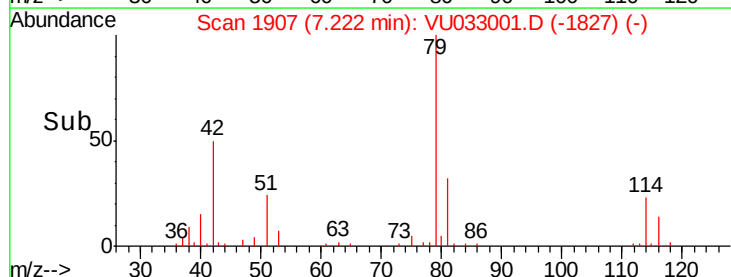
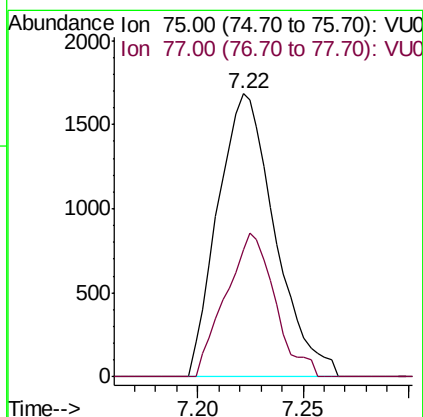
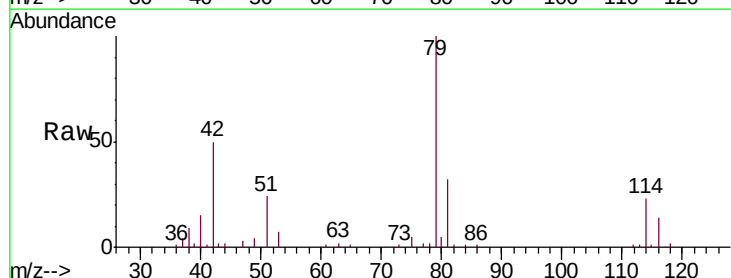
Instrument :
 MSVOA_U
 ClientSampled :
 ETF22MS

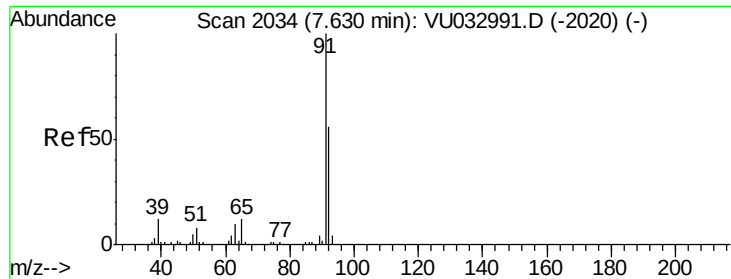
Tgt Ion: 63 Resp: 10096
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.331 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU033001.D
 Acq: 24 Jun 2019 12:50

Tgt Ion: 75 Resp: 3164
 Ion Ratio Lower Upper
 75 100
 77 45.0 21.9 40.7#





#42

Toluene

Concen: 50.082 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

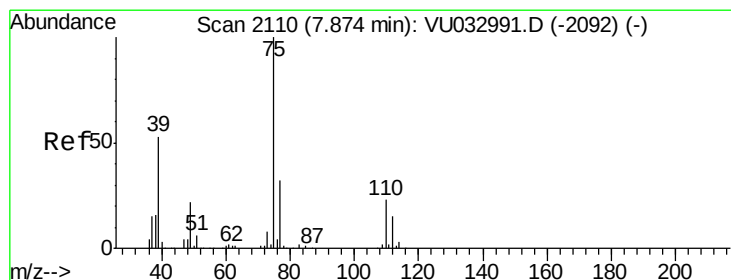
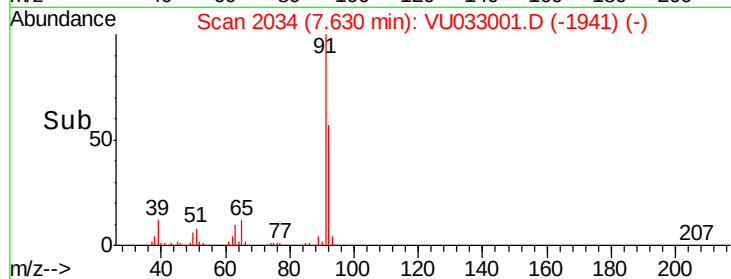
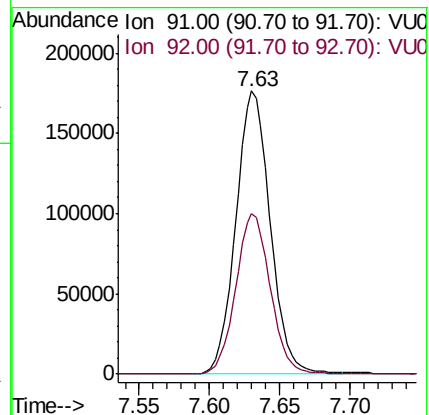
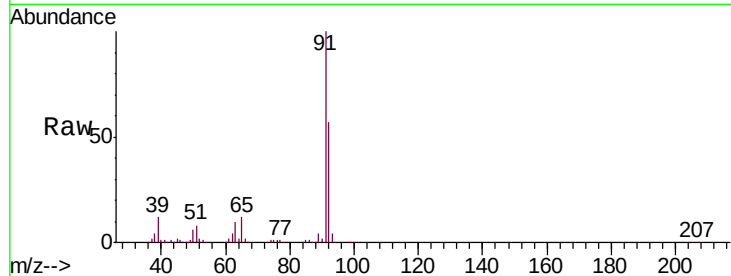
ETF22MS

Tgt Ion: 91 Resp: 301477

Ion Ratio Lower Upper

91 100

92 56.8 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 0.928 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU033001.D

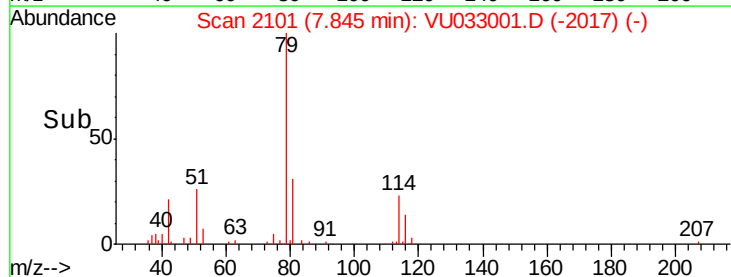
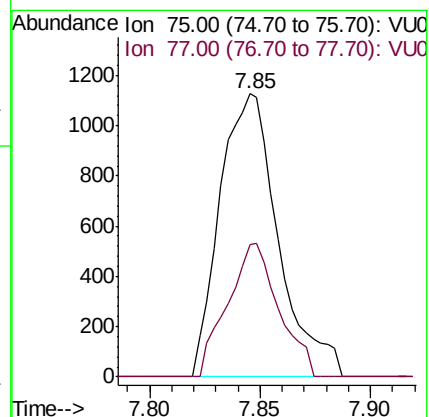
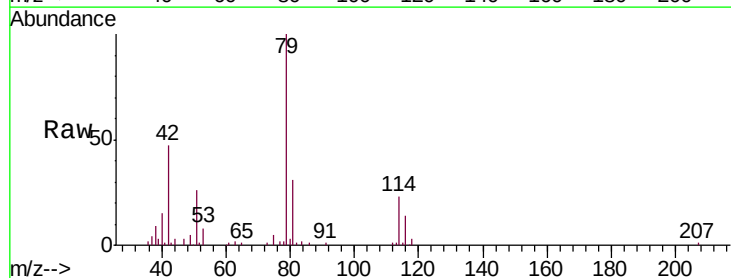
Acq: 24 Jun 2019 12:50

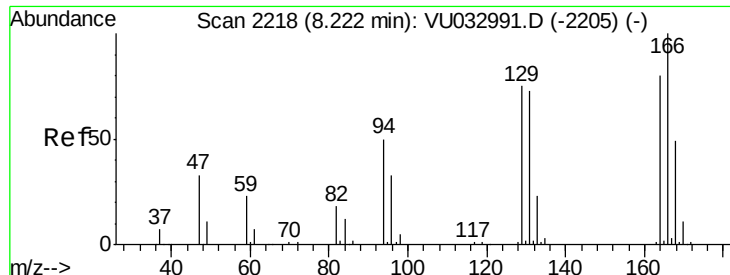
Tgt Ion: 75 Resp: 2073

Ion Ratio Lower Upper

75 100

77 46.8 21.8 40.4#





#46

Tetrachloroethene

Concen: 0.420 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

Instrument :

MSVOA_U

ClientSampleId :

ETF22MS

Tgt Ion: 164 Resp: 512

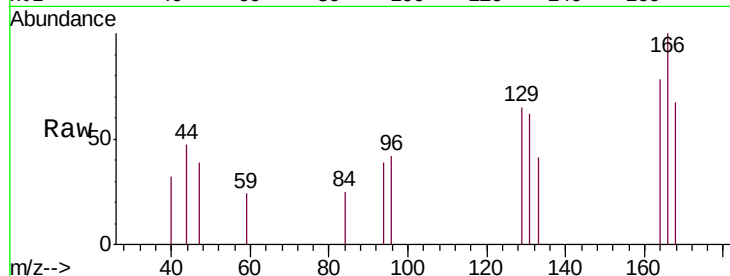
Ion Ratio Lower Upper

164 100

129 83.0 64.8 120.3

131 79.4 64.5 119.7

166 128.4 91.3 169.6

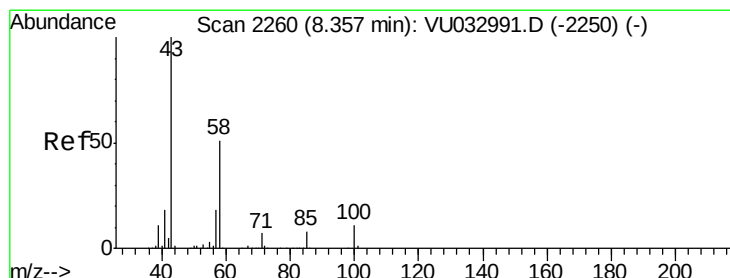
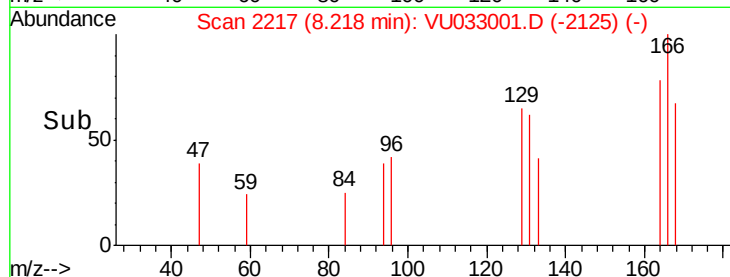
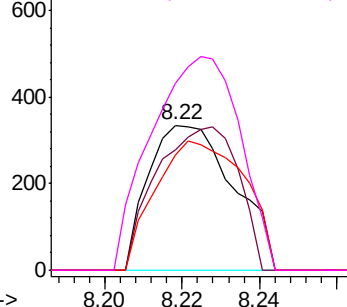


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 1.095 ug/L

RT: 8.36 min Scan# 2262

Delta R.T. 0.01 min

Lab File: VU033001.D

Acq: 24 Jun 2019 12:50

Tgt Ion: 43 Resp: 2354

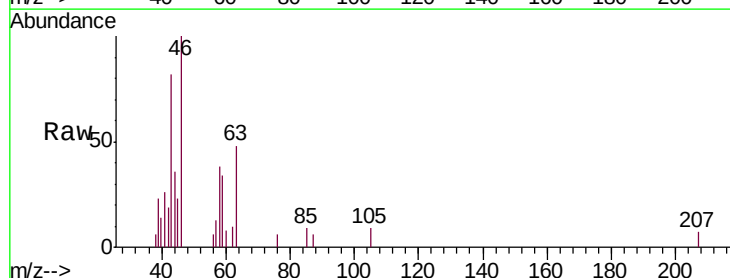
Ion Ratio Lower Upper

43 100

58 56.0 40.2 60.2

57 0.0 14.2 21.4#

100 0.0 8.4 12.6#

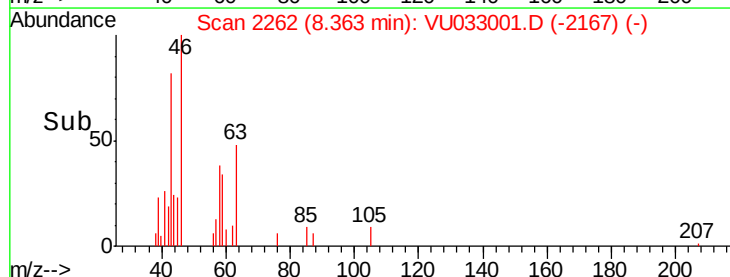
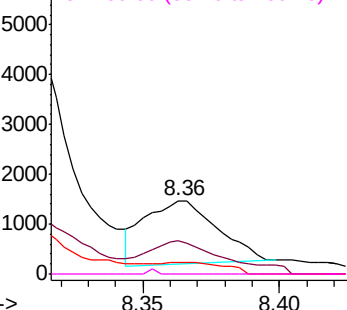


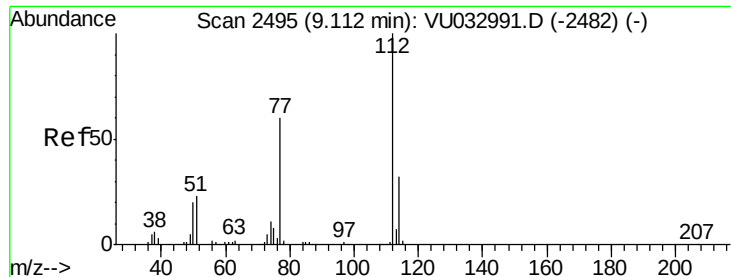
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

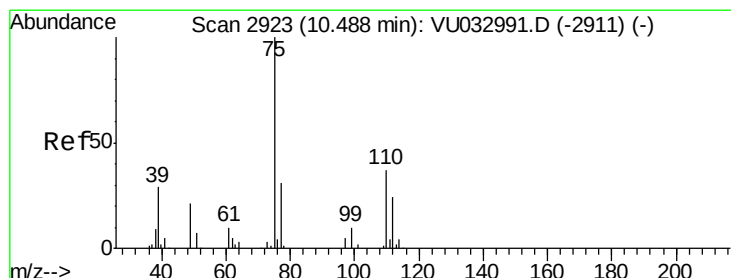
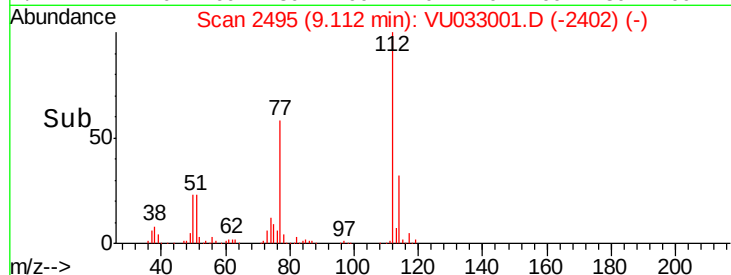
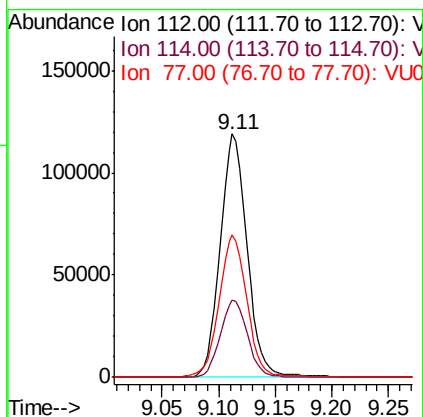
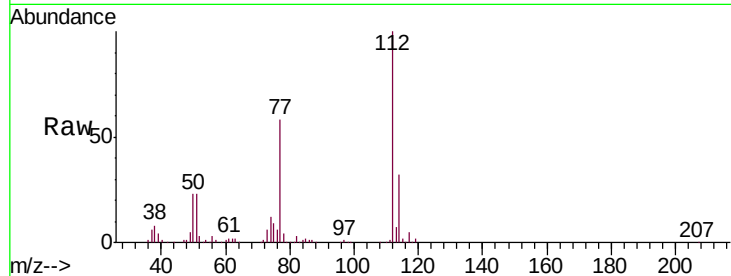




#51
Chlorobenzene
Concen: 49.950 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. -0.00 min
Lab File: VU033001.D
Acq: 24 Jun 2019 12:50

Instrument :
MSVOA_U
ClientSampleId :
ETF22MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.8	42.4
77	58.5	46.3	69.5



#59
1,2,3-Trichloropropane
Concen: 6.054 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033001.D
Acq: 24 Jun 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.8	25.5	38.3

