

Data File : VU032985.D
Acq On : 22 Jun 2019 07:43
Operator : JC/SP
Sample : K3478-07MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 55 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ETF22MS

Quant Time: Jun 24 02:05:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 24 02:01:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	191690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189295	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92319	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	51863	39.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.18%
7) Chloroethane-d5	1.68	69	46533	44.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.08%
11) 1,1-Dichloroethene-d2	2.26	63	83037	31.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.92%
21) 2-Butanone-d5	4.17	46	122278	112.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.14%
24) Chloroform-d	4.64	84	123188	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
26) 1,2-Dichloroethane-d4	5.30	65	86276	50.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.72%
32) Benzene-d6	5.33	84	226592	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
36) 1,2-Dichloropropane-d6	6.32	67	76068	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.78%
41) Toluene-d8	7.56	98	203114	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%
43) trans-1,3-Dichloropropene-	7.85	79	33678	41.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.38%
47) 2-Hexanone-d5	8.31	63	72702	99.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.05%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	115663	47.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	84265	47.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.34%

Target Compounds

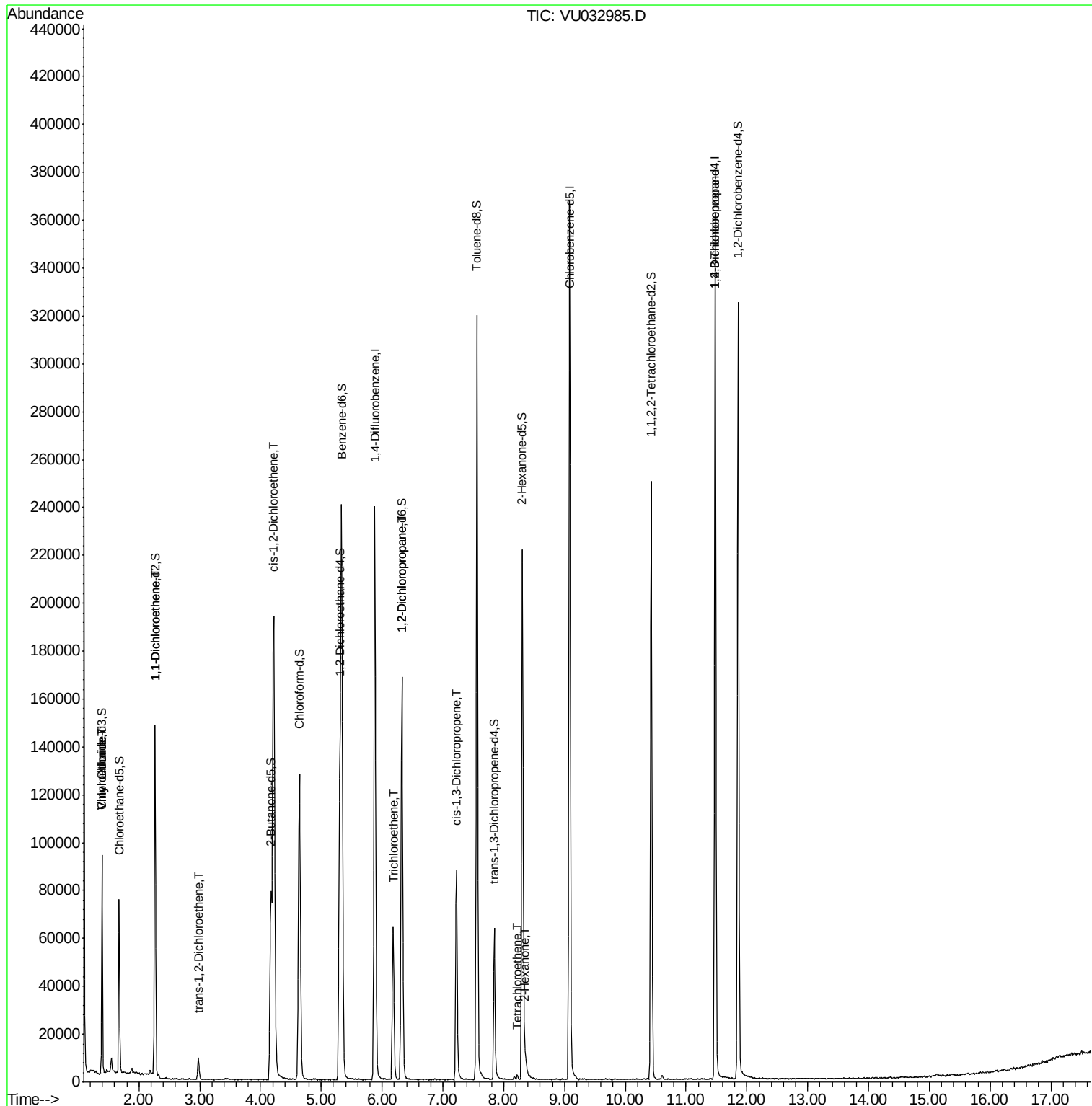
					Qvalue
5) Vinyl chloride	1.40	62	3434	1.973 ug/L #	79
8) Chloroethane	1.40	64	1762	1.758 ug/L #	7
12) 1,1-Dichloroethene	2.27	96	964	0.799 ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	3671	2.804 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	100026	70.142 ug/L	97
34) Trichloroethene	6.18	95	21466	14.733 ug/L	98
37) 1,2-Dichloropropane	6.32	63	8760	5.856 ug/L #	88
39) cis-1,3-Dichloropropene	7.22	75	2518	1.080 ug/L #	69
46) Tetrachloroethene	8.22	164	499	0.418 ug/L	93
48) 2-Hexanone	8.36	43	2329	1.105 ug/L #	46
59) 1,2,3-Trichloropropane	11.48	75	11685	5.854 ug/L	91

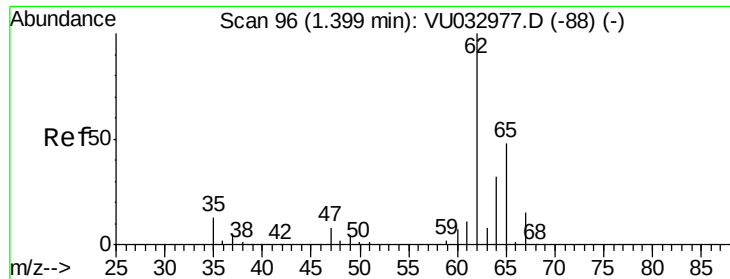
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.973 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

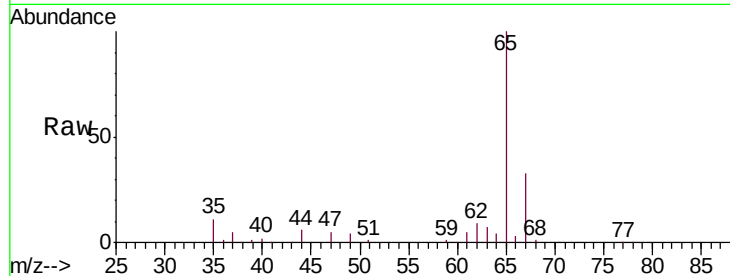
ETF22MS

Tgt Ion: 62 Resp: 3434

Ion Ratio Lower Upper

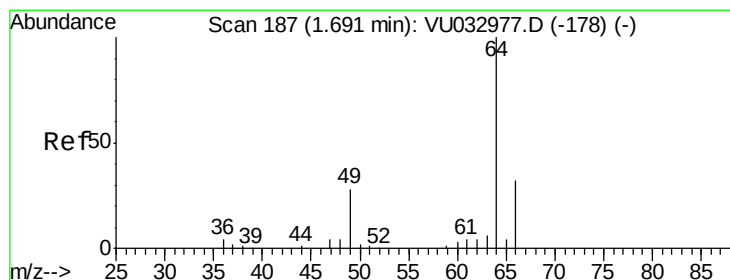
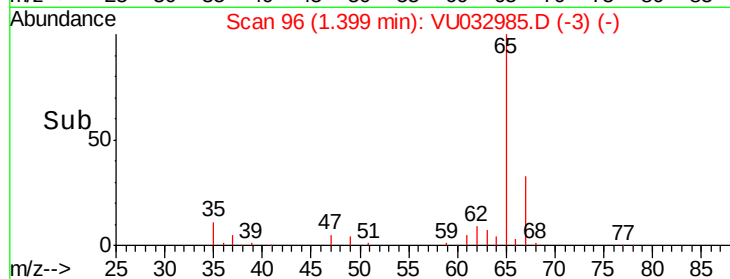
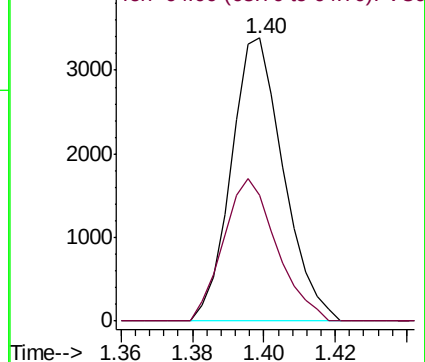
62 100

64 44.4 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: 1.758 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU032985.D

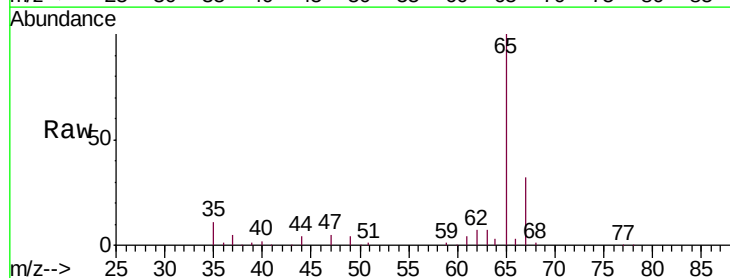
Acq: 22 Jun 2019 07:43

Tgt Ion: 64 Resp: 1762

Ion Ratio Lower Upper

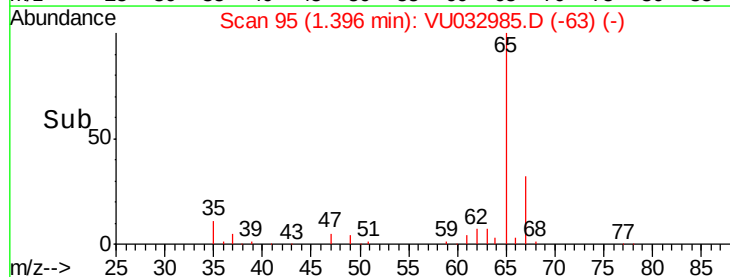
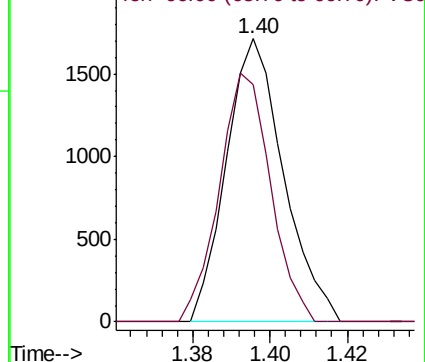
64 100

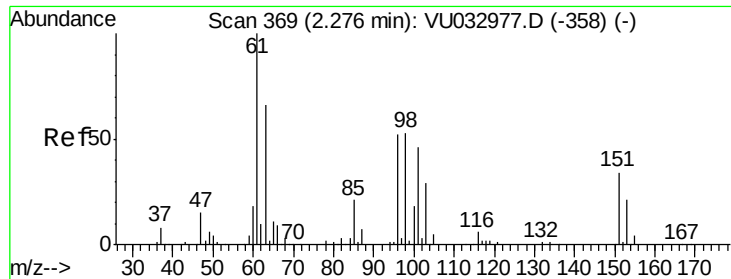
66 83.9 22.5 41.7#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

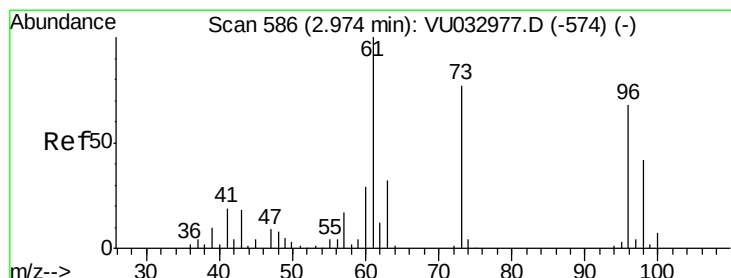
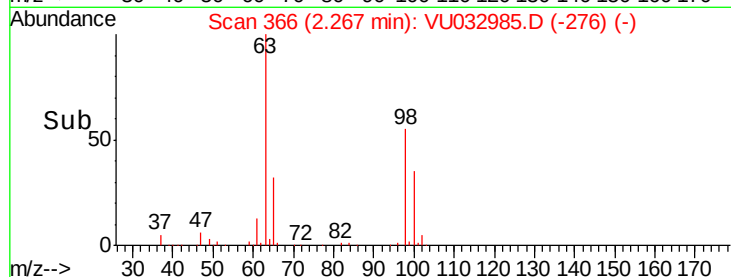
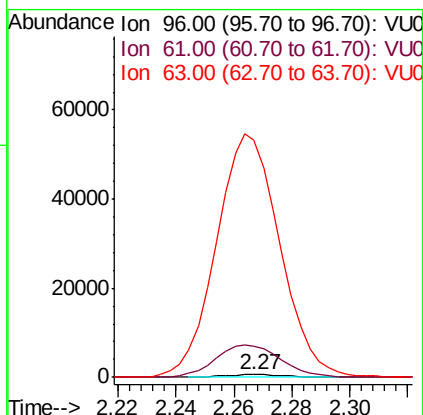
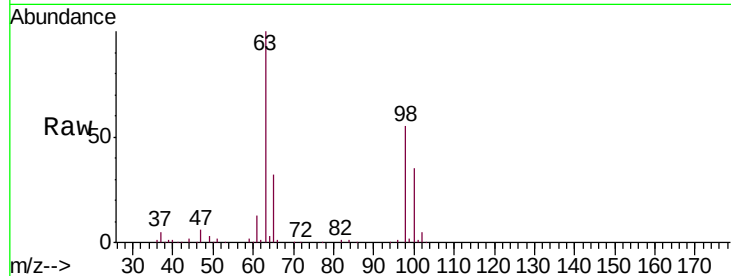




#12
1,1-Dichloroethene
Concen: 0.799 ug/L
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU032985.D
Acq: 22 Jun 2019 07:43

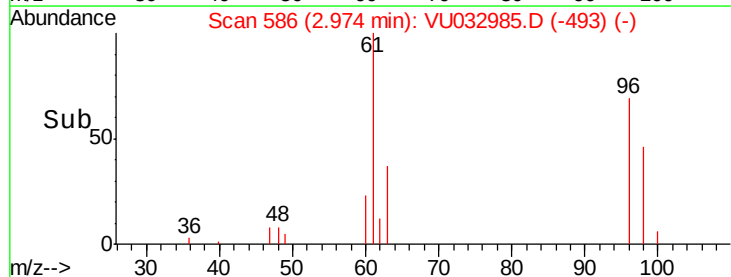
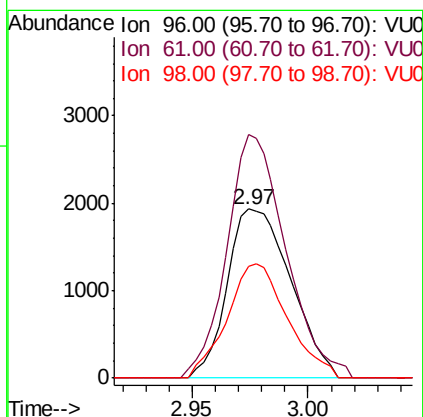
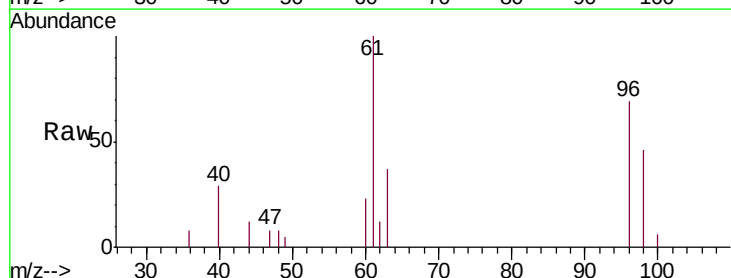
Instrument :
MSVOA_U
ClientSampleId :
ETF22MS

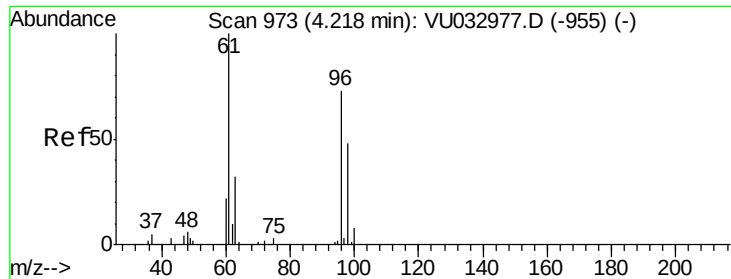
Tgt Ion: 96 Resp: 964
Ion Ratio Lower Upper
96 100
61 1208.1 131.0 243.4#
63 9045.4 101.0 187.6#



#17
trans-1,2-Dichloroethene
Concen: 2.804 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU032985.D
Acq: 22 Jun 2019 07:43

Tgt Ion: 96 Resp: 3671
Ion Ratio Lower Upper
96 100
61 143.9 100.9 187.5
98 66.1 44.0 81.8

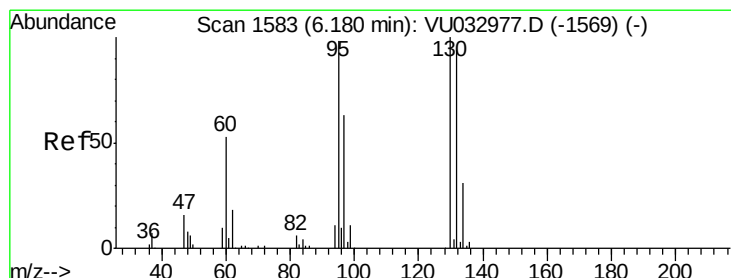
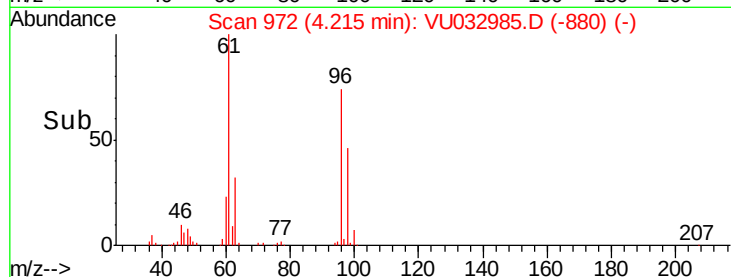
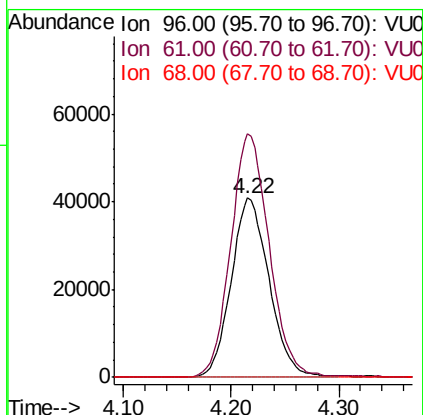
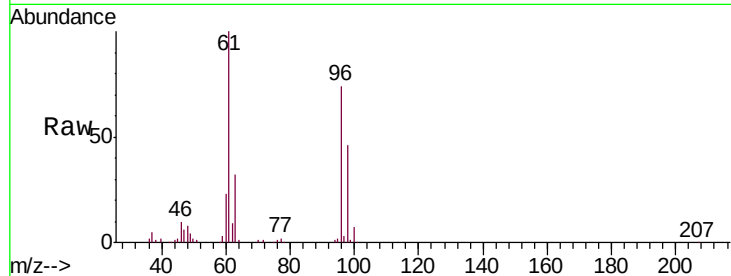




#20
 cis-1,2-Dichloroethene
 Concen: 70.142 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VU032985.D
 Acq: 22 Jun 2019 07:43

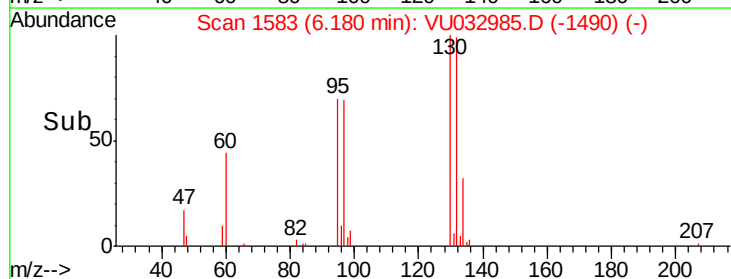
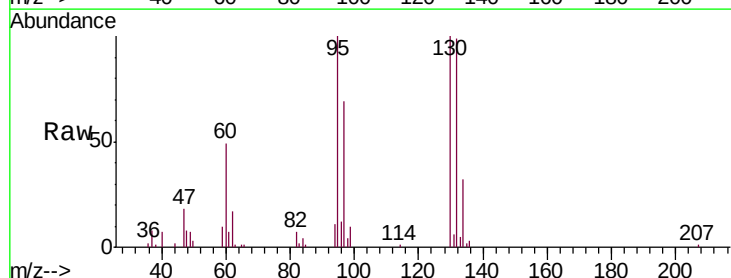
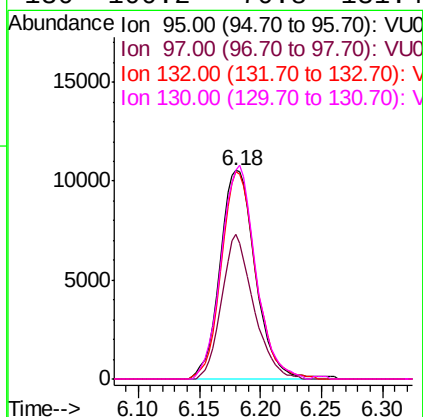
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MS

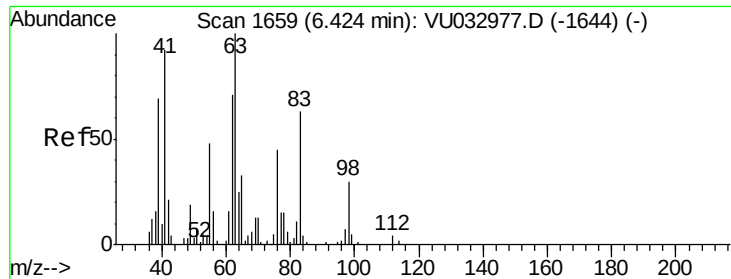
Tgt Ion: 96 Resp: 100026
 Ion Ratio Lower Upper
 96 100
 61 135.9 92.4 171.6
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 14.733 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032985.D
 Acq: 22 Jun 2019 07:43

Tgt Ion: 95 Resp: 21466
 Ion Ratio Lower Upper
 95 100
 97 69.4 45.9 85.3
 132 99.3 68.5 127.3
 130 100.2 70.8 131.4

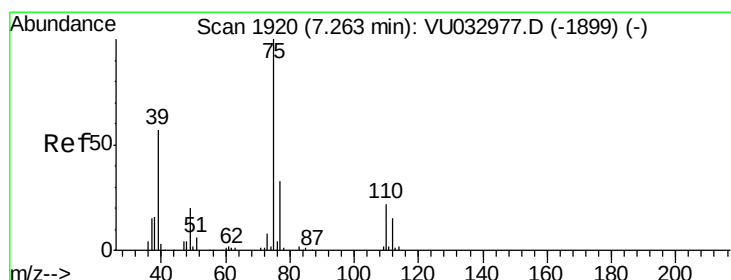
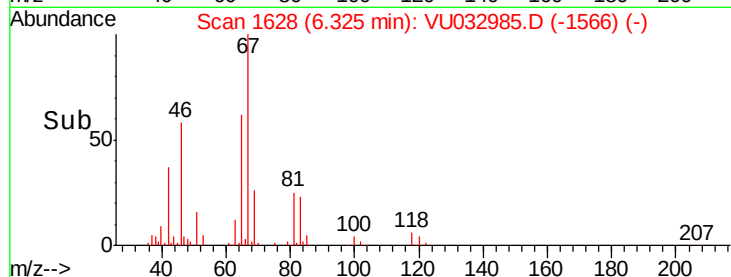
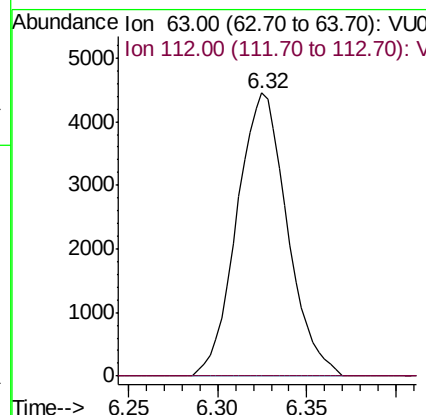
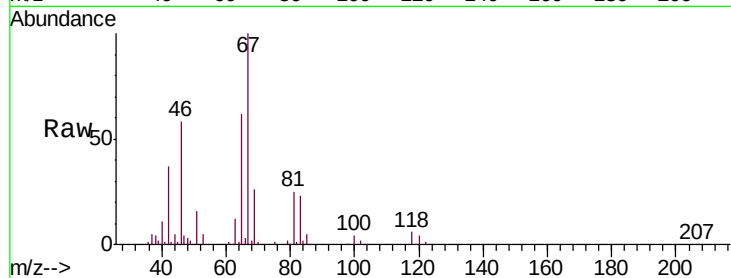




#37
 1,2-Dichloropropane
 Concen: 5.856 ug/L
 RT: 6.32 min Scan# 1628
 Delta R.T. -0.10 min
 Lab File: VU032985.D
 Acq: 22 Jun 2019 07:43

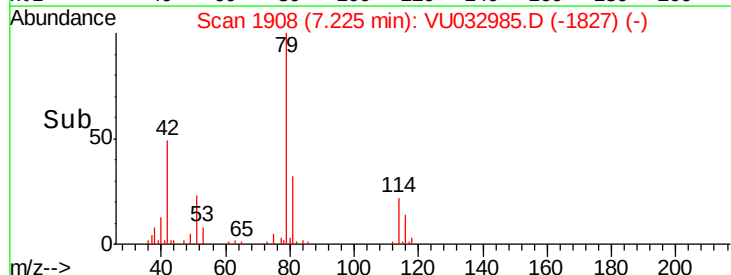
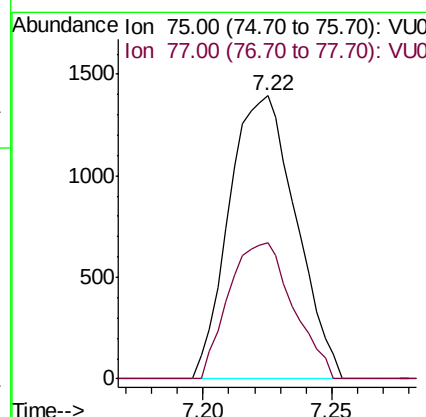
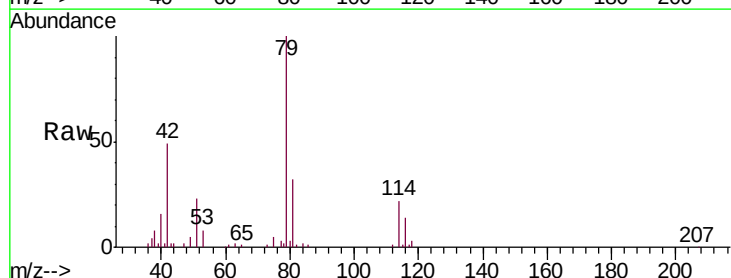
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF22MS

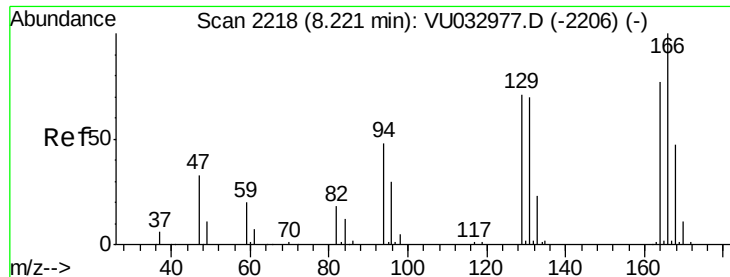
Tgt Ion: 63 Resp: 8760
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



#39
 cis-1,3-Dichloropropene
 Concen: 1.080 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032985.D
 Acq: 22 Jun 2019 07:43

Tgt Ion: 75 Resp: 2518
 Ion Ratio Lower Upper
 75 100
 77 48.3 21.9 40.7#





#46

Tetrachloroethene

Concen: 0.418 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU032985.D

Acq: 22 Jun 2019 07:43

Instrument :

MSVOA_U

ClientSampleId :

ETF22MS

Tgt Ion:164 Resp: 499

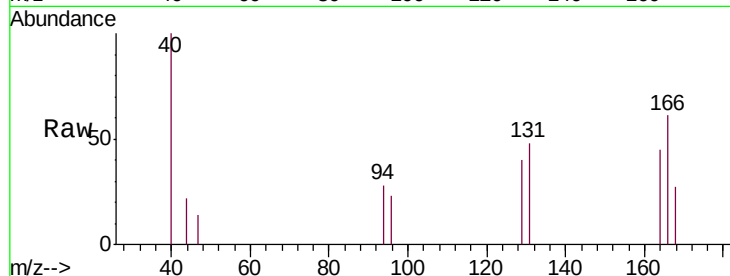
Ion Ratio Lower Upper

164 100

129 89.1 64.8 120.3

131 106.2 64.5 119.7

166 135.8 91.3 169.6

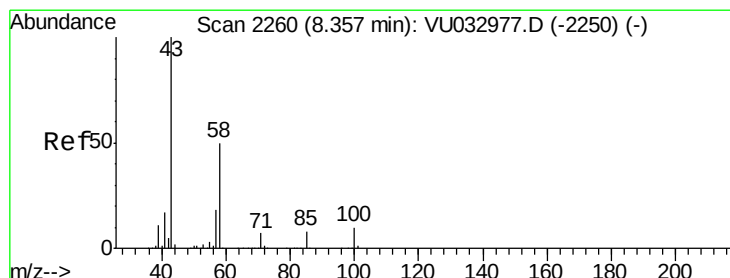
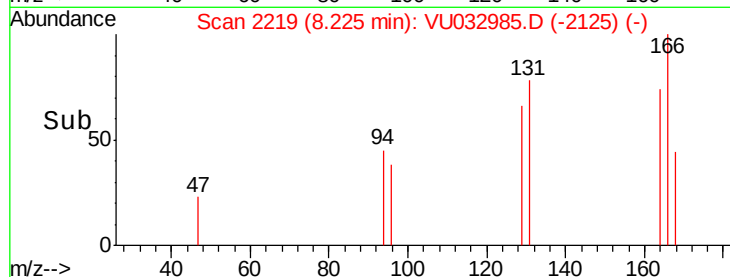
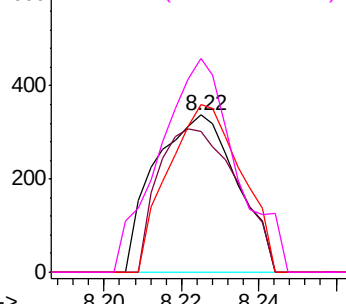


Abundance Ion 164.00 (163.70 to 164.70): V

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: 1.105 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VU032985.D

Acq: 22 Jun 2019 07:43

Tgt Ion: 43 Resp: 2329

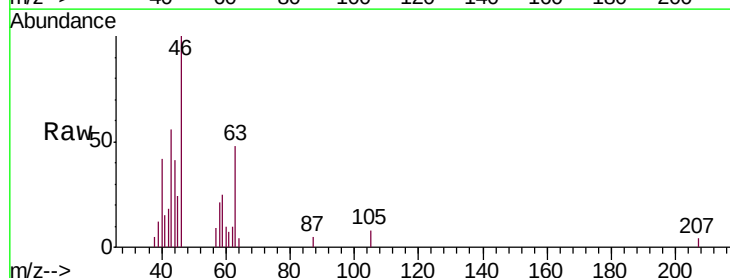
Ion Ratio Lower Upper

43 100

58 4.4 40.2 60.2#

57 0.0 14.2 21.4#

100 2.7 8.4 12.6#

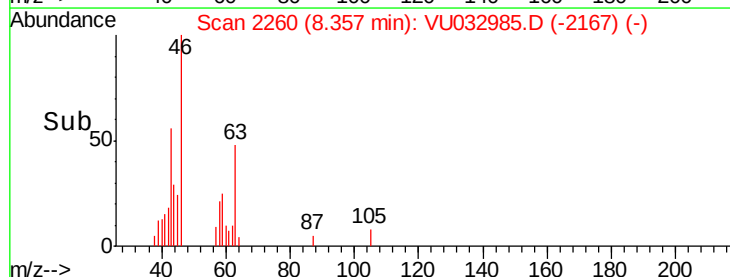
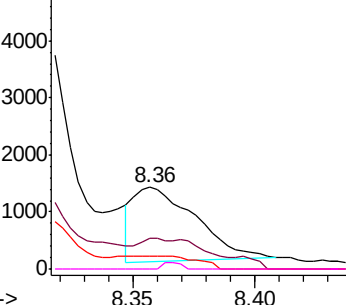


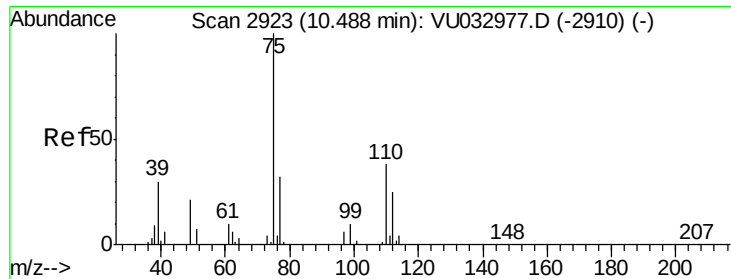
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#59

1,2,3-Trichloropropane

Concen: 5.854 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032985.D

Acq: 22 Jun 2019 07:43

Instrument :

MSVOA_U

ClientSampleId :

ETF22MS

Tgt Ion: 75 Resp: 11685

Ion Ratio Lower Upper

75 100

77 37.0 25.5 38.3

