

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 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 06:35:52 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

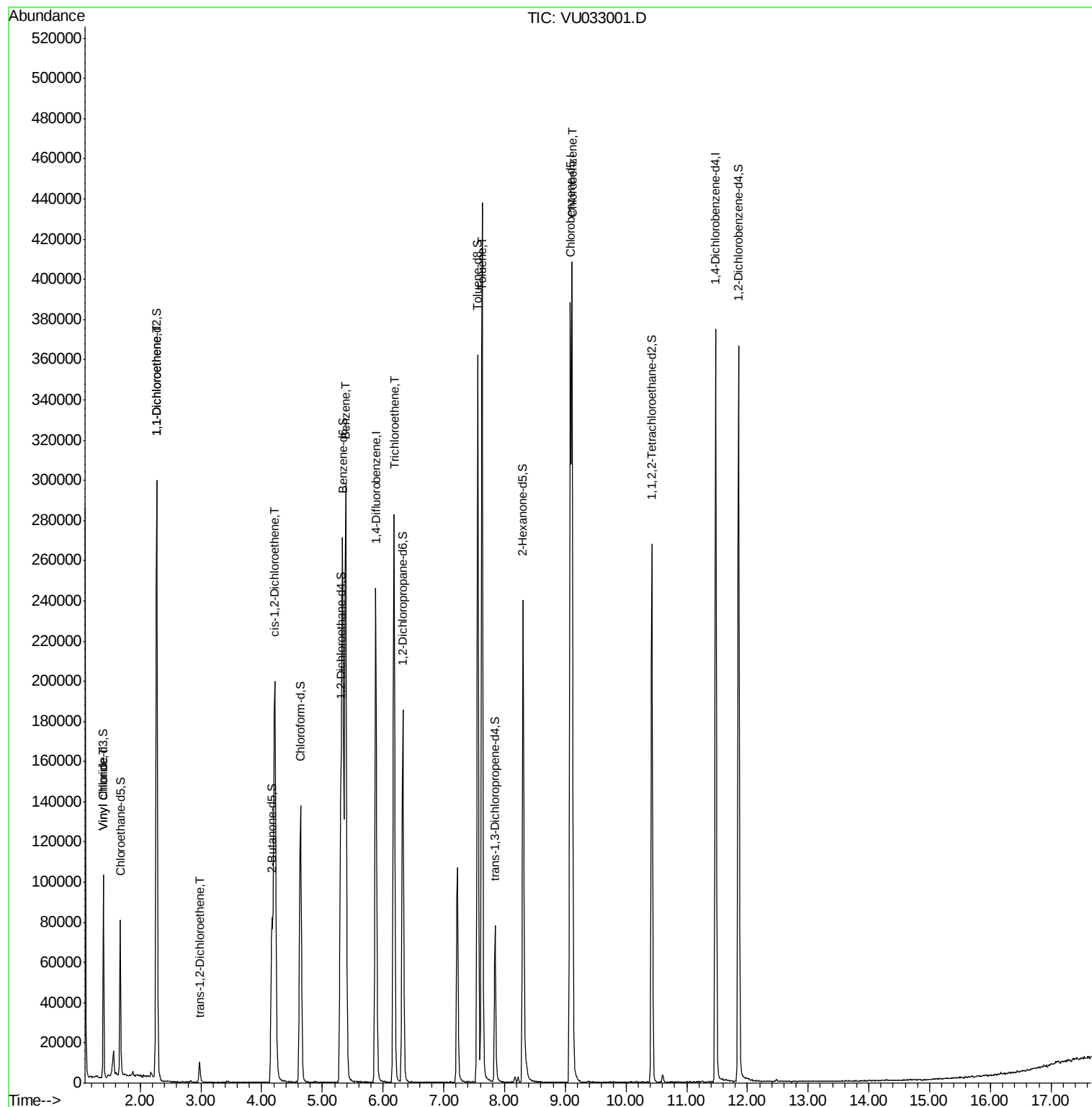
					Ovalue
5) Vinyl chloride	1.40	62	3587	1.991 ug/L	# 73
12) 1,1-Dichloroethene	2.28	96	58207	46.592 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	3689	2.723 ug/L	92
20) cis-1,2-Dichloroethene	4.22	96	104324	70.688 ug/L	97
33) Benzene	5.38	78	280567	50.428 ug/L	100
34) Trichloroethene	6.18	95	93500	62.897 ug/L	100
42) Toluene	7.63	91	301477	50.082 ug/L	99
51) Chlorobenzene	9.11	112	197866	49.950 ug/L	99

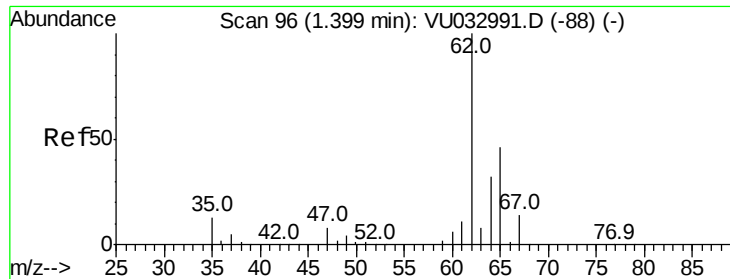
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#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 :

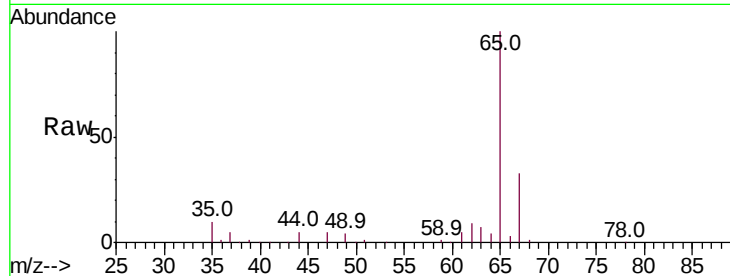
ETF22MS

Tot Ion: 62 Resp: 3587

Ion Ratio Lower Upper

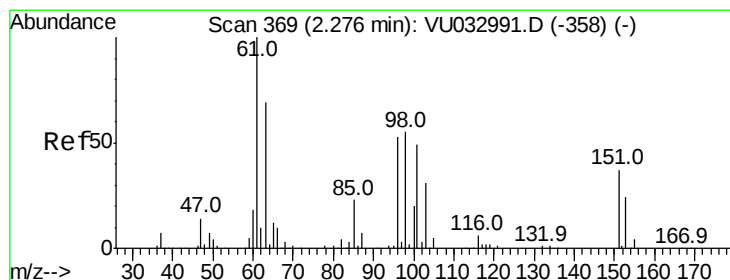
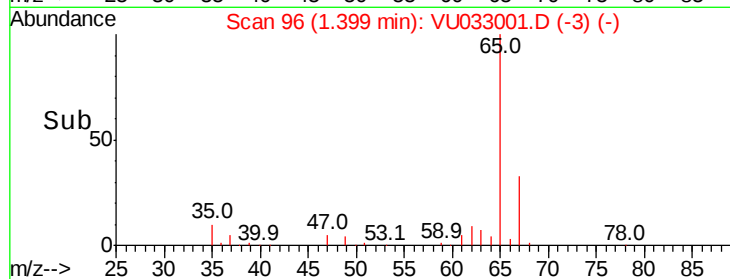
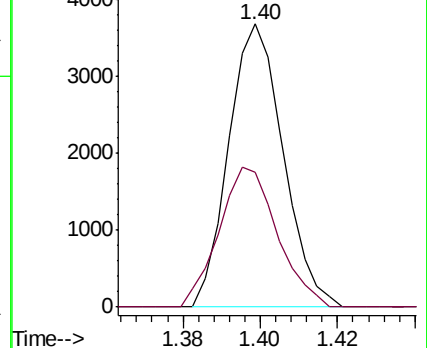
62 100

64 47.9 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU033001.D (-3) (-)

Ion 64.00 (63.70 to 64.70): VU033001.D (-3) (-)



#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

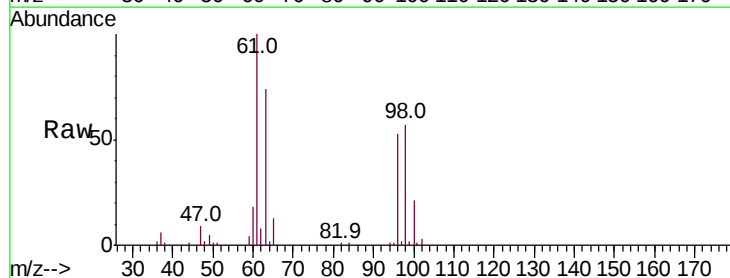
Tgt Ion: 96 Resp: 58207

Ion Ratio Lower Upper

96 100

61 188.4 131.0 243.4

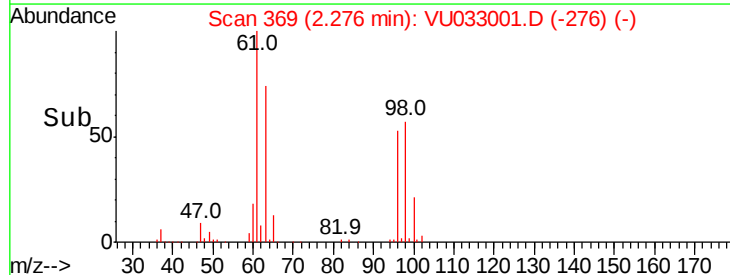
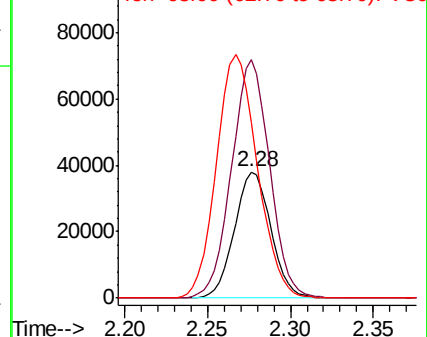
63 139.4 101.0 187.6

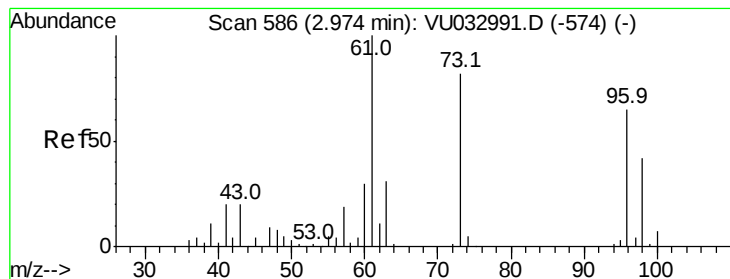


Abundance Ion 96.00 (95.70 to 96.70): VU033001.D (-276) (-)

Ion 61.00 (60.70 to 61.70): VU033001.D (-276) (-)

Ion 63.00 (62.70 to 63.70): VU033001.D (-276) (-)





#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

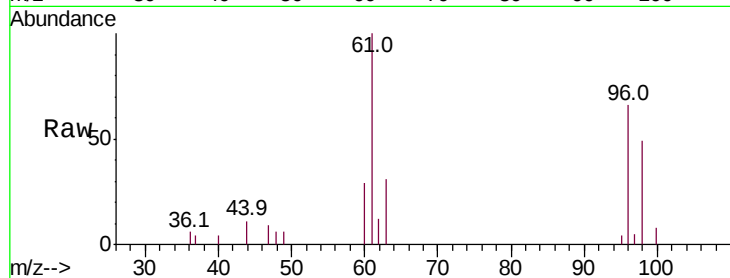
Tot Ion: 96 Resp: 3689

Ion Ratio Lower Upper

96 100

61 151.0 100.9 187.5

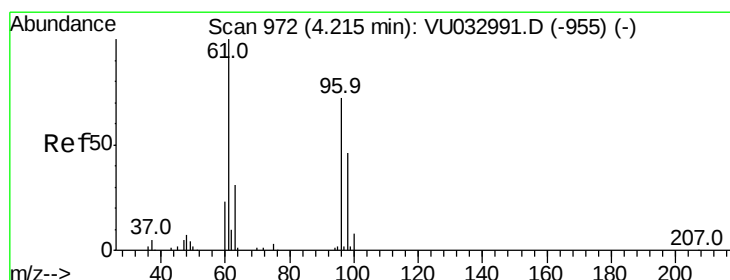
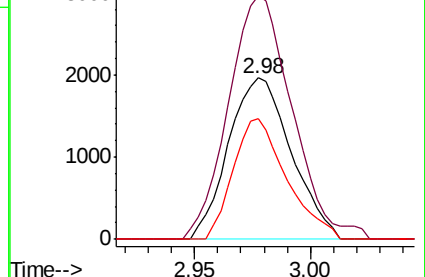
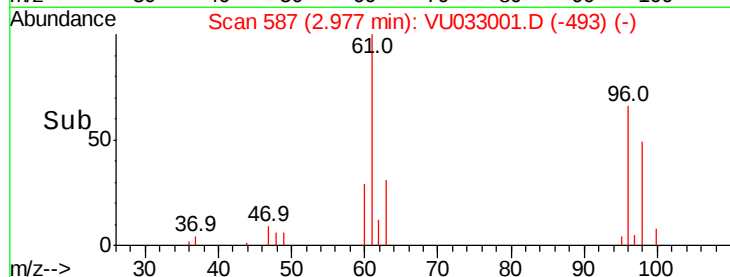
98 74.6 44.0 81.8



Abundance Ion 96.00 (95.70 to 96.70): VU033001.D (-493) (-)

Ion 61.00 (60.70 to 61.70): VU033001.D (-493) (-)

Ion 98.00 (97.70 to 98.70): VU033001.D (-493) (-)



#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

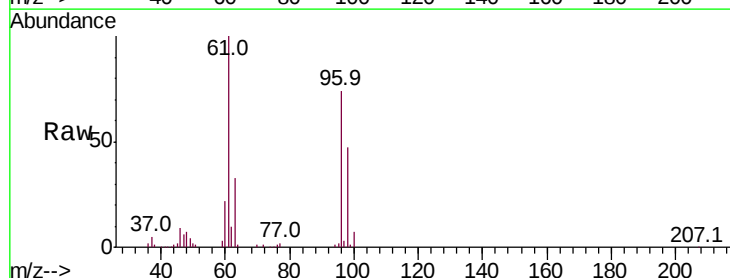
Tgt Ion: 96 Resp: 104324

Ion Ratio Lower Upper

96 100

61 135.4 92.4 171.6

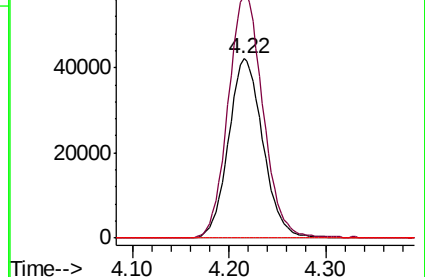
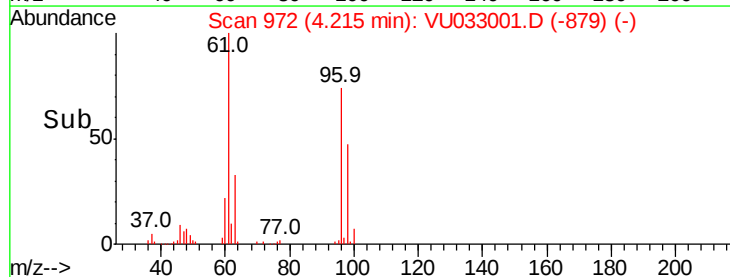
68 0.0 0.0 0.0

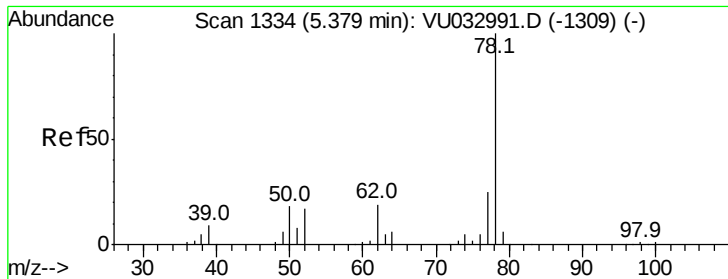


Abundance Ion 96.00 (95.70 to 96.70): VU033001.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VU033001.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VU033001.D (-879) (-)





#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

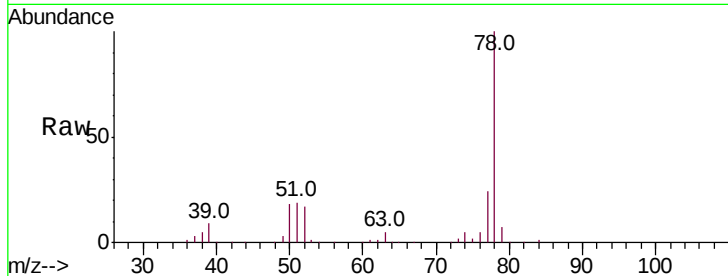
Instrument :

MSVOA_U

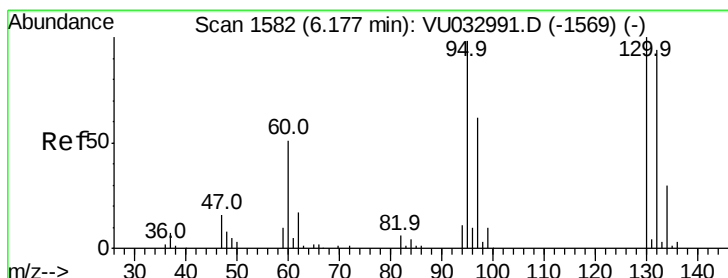
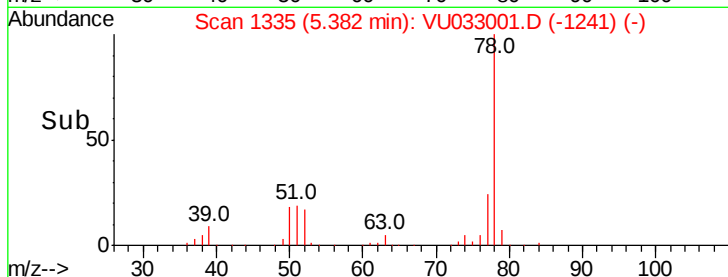
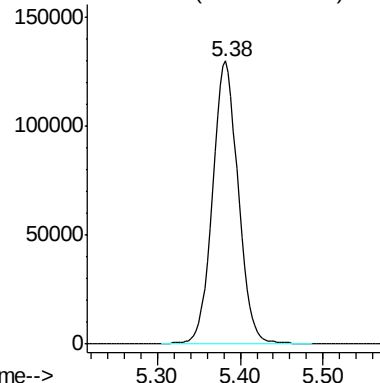
ClientSampleId :

ETF22MS

Tgt Ion: 78 Resp: 280567



Abundance Ion 78.00 (77.70 to 78.70): VU0



#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

Tgt Ion: 95 Resp: 93500

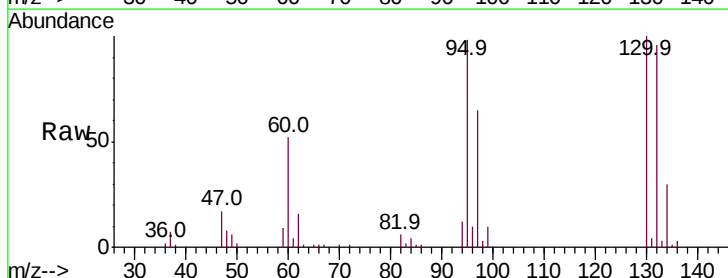
Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.9	85.3
132	97.7	68.5	127.3
130	101.6	70.8	131.4

95 100

97 65.8 45.9 85.3

132 97.7 68.5 127.3

130 101.6 70.8 131.4

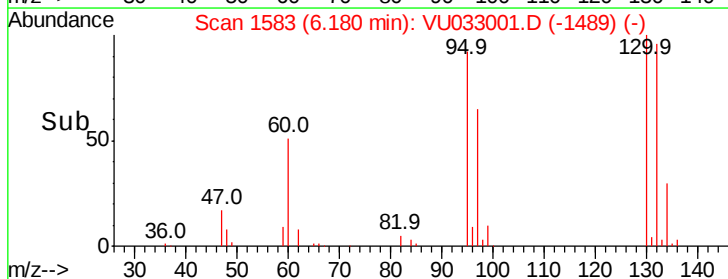
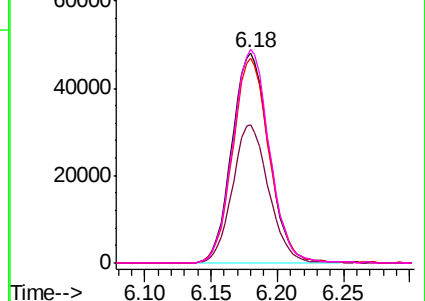


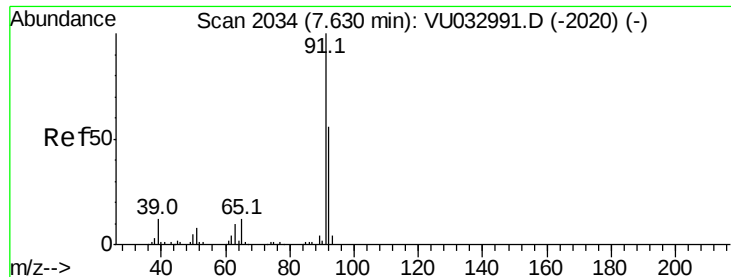
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#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 :

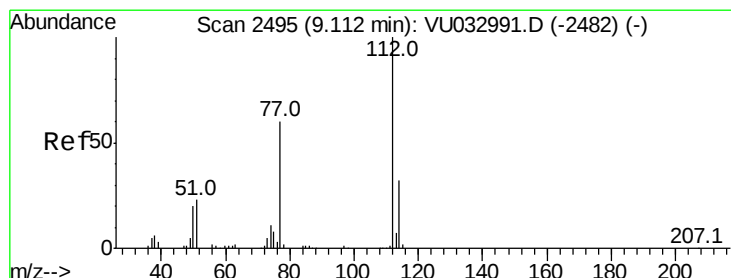
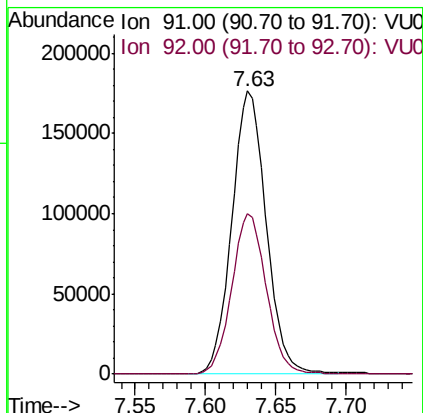
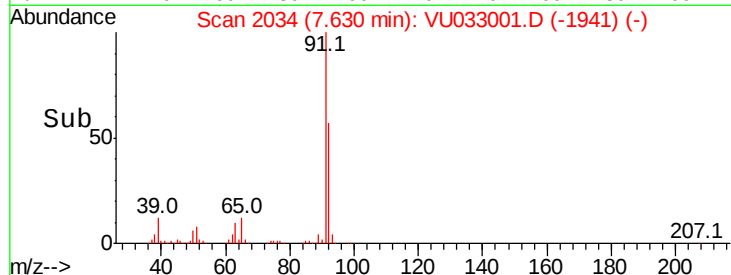
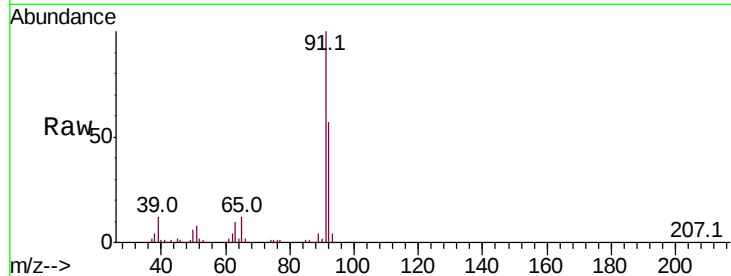
ETF22MS

Tot Ion: 91 Resp: 301477

Ion Ratio Lower Upper

91 100

92 56.8 40.4 75.0



#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

Tgt Ion: 112 Resp: 197866

Ion Ratio Lower Upper

112 100

114 31.5 22.8 42.4

77 58.5 46.3 69.5

