

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU033024.D
 Acq On : 24 Jun 2019 22:32
 Operator : JC/SP
 Sample : K3463-08MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF07MSD

Quant Time: Jun 25 07:40:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 06:54:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	192029	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	189157	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89903	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	63776	48.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.20%
7) Chloroethane-d5	1.67	69	53982	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.16%
11) 1,1-Dichloroethene-d2	2.27	63	132676	50.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.36%
21) 2-Butanone-d5	4.17	46	125411	114.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.81%
24) Chloroform-d	4.64	84	133294	52.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.50%
26) 1,2-Dichloroethane-d4	5.30	65	94370	55.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.06%
32) Benzene-d6	5.33	84	262317	53.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.32	67	84736	53.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.88%
41) Toluene-d8	7.56	98	237344	51.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.80%
43) trans-1,3-Dichloropropene-	7.84	79	40288	49.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.62%
47) 2-Hexanone-d5	8.31	63	76140	103.81	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.81%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	121938	50.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	94311	54.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.42%

Target Compounds

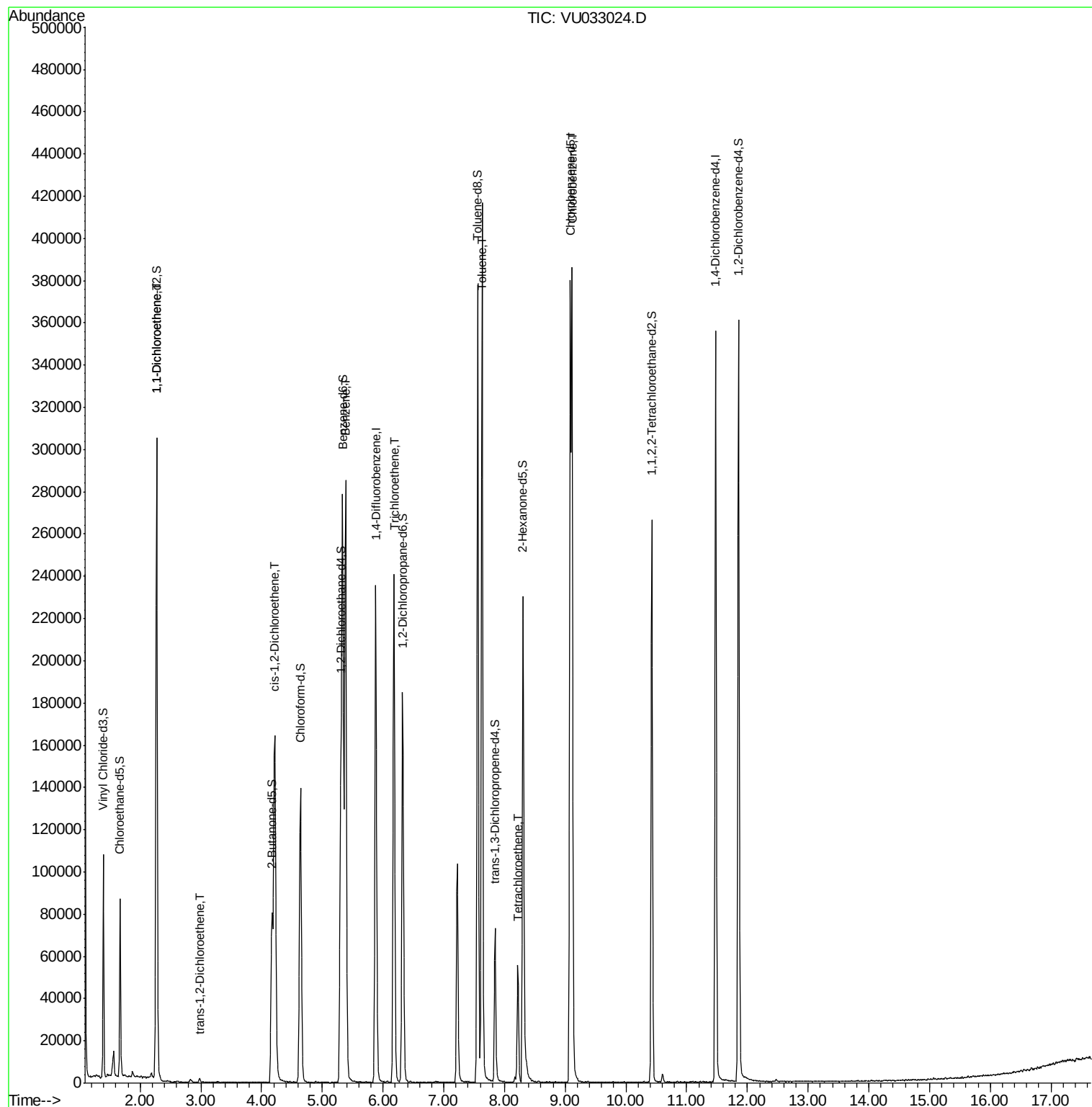
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.28	96	55789	46.135	ug/L	95
17) trans-1,2-Dichloroethene	2.98	96	666	0.508	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	84229	58.960	ug/L	98
33) Benzene	5.38	78	267811	49.147	ug/L	100
34) Trichloroethene	6.18	95	79234	54.422	ug/L	100
42) Toluene	7.63	91	287045	48.687	ug/L	100
46) Tetrachloroethene	8.22	164	11864	9.945	ug/L	98
51) Chlorobenzene	9.11	112	188451	48.574	ug/L	97

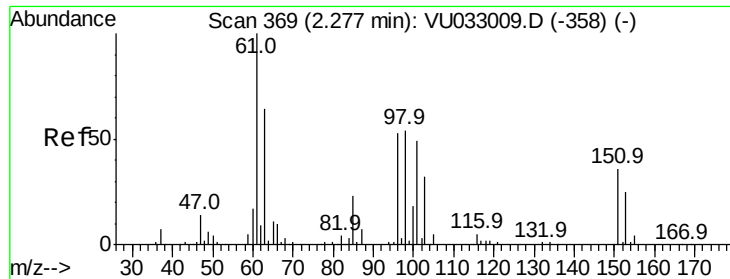
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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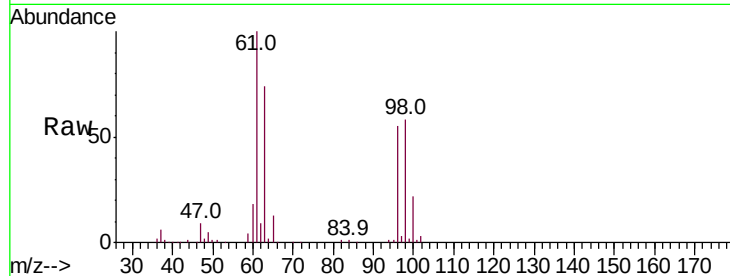




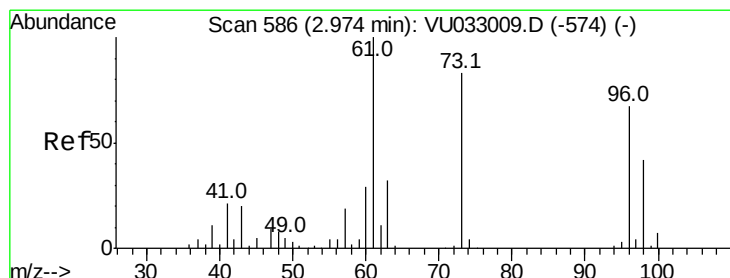
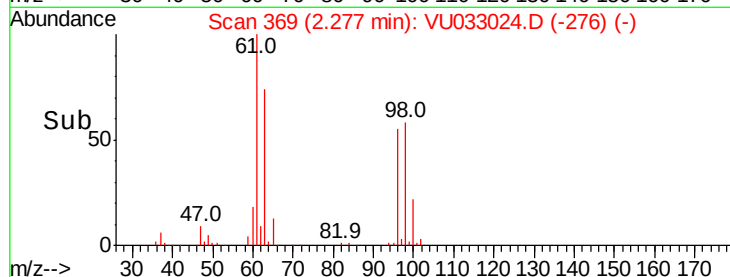
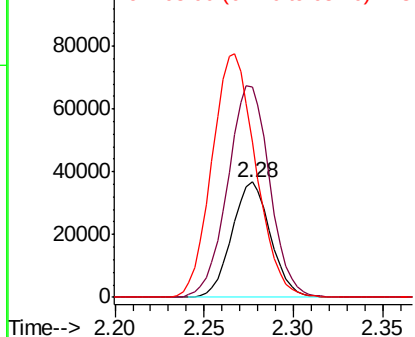
#12
 1,1-Dichloroethene
 Concen: 46.135 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU033024.D
 Acq: 24 Jun 2019 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF07MSD

Tot Ion: 96 Resp: 55789
 Ion Ratio Lower Upper
 96 100
 61 182.4 131.0 243.4
 63 134.3 101.0 187.6

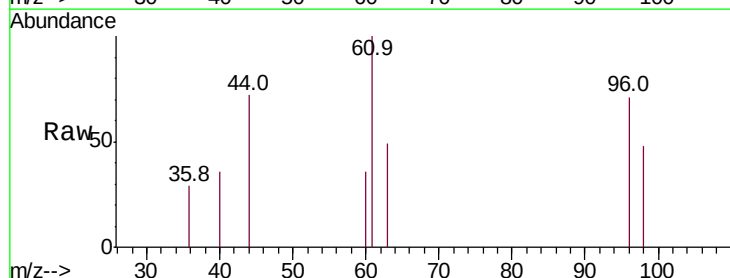


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

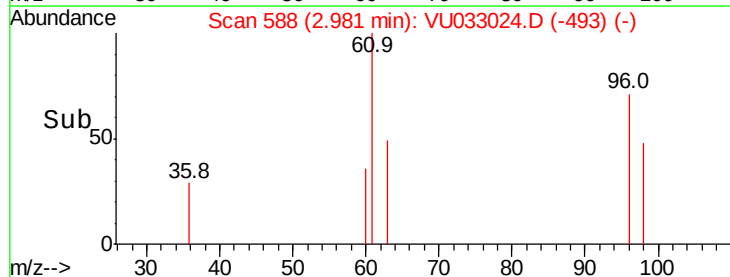
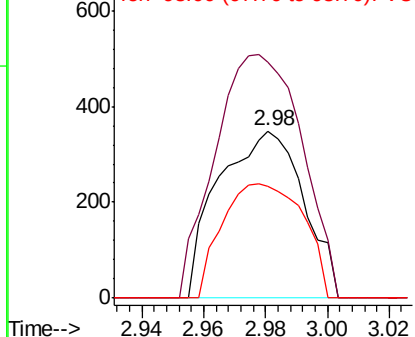


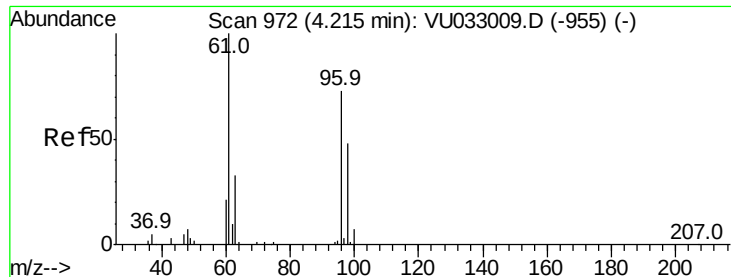
#17
 trans-1,2-Dichloroethene
 Concen: 0.508 ug/L
 RT: 2.98 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VU033024.D
 Acq: 24 Jun 2019 22:32

Tgt Ion: 96 Resp: 666
 Ion Ratio Lower Upper
 96 100
 61 141.0 100.9 187.5
 98 67.0 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

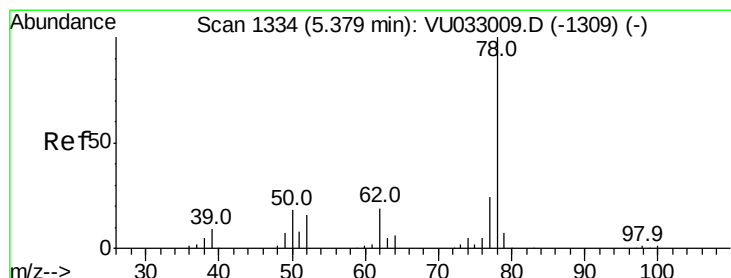
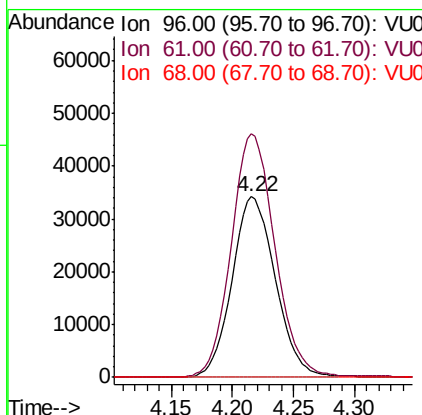
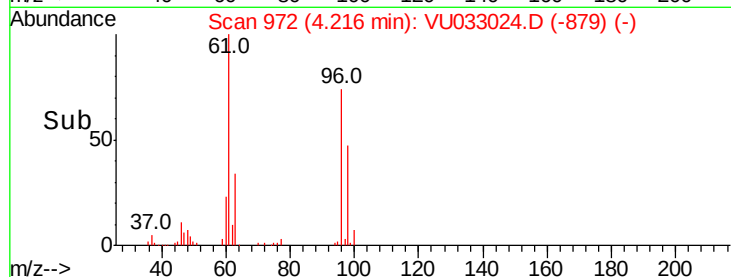
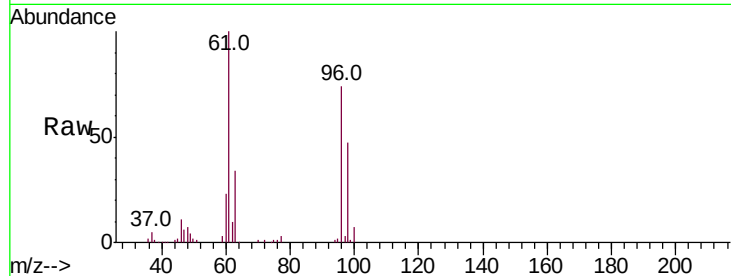




#20
 cis-1,2-Dichloroethene
 Concen: 58.960 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033024.D
 Acq: 24 Jun 2019 22:32

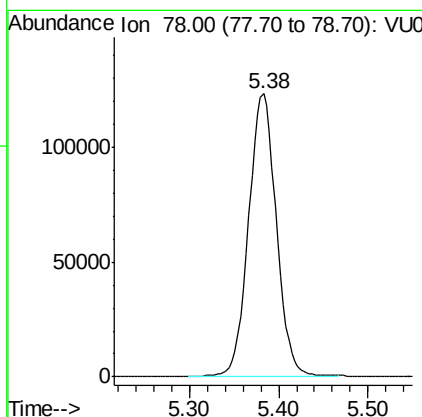
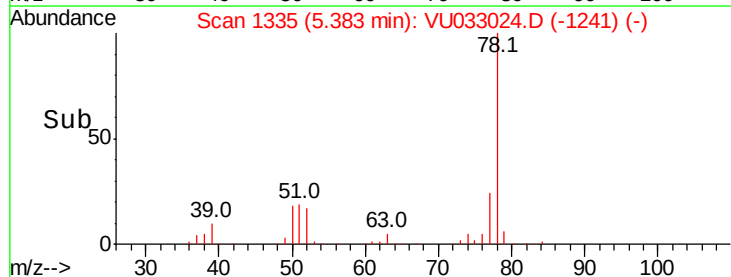
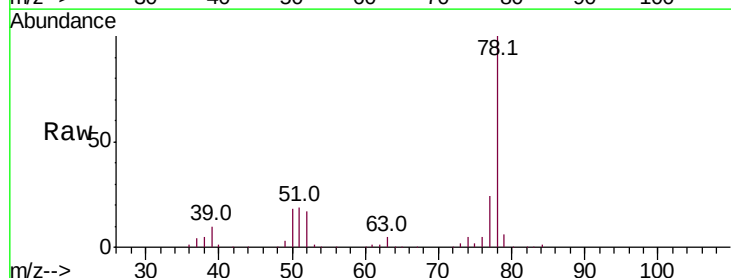
Instrument :
 MSVOA_U
 ClientSampleId :
 ETF07MSD

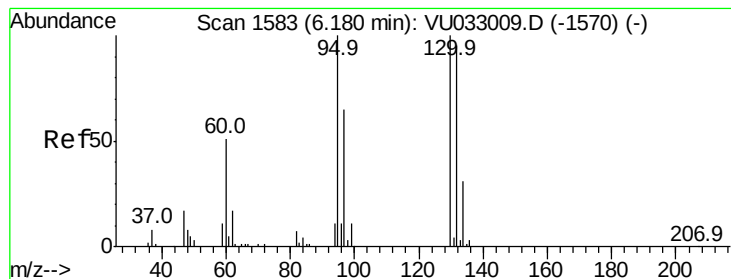
Tot Ion: 96 Resp: 84229
 Ion Ratio Lower Upper
 96 100
 61 134.6 92.4 171.6
 68 0.0 0.0 0.0



#33
 Benzene
 Concen: 49.147 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU033024.D
 Acq: 24 Jun 2019 22:32

Tgt Ion: 78 Resp: 267811





#34

Trichloroethene

Concen: 54.422 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU033024.D

Acq: 24 Jun 2019 22:32

Instrument :

MSVOA_U

ClientSampleId :

ETF07MSD

Tot Ion: 95 Resp: 79234

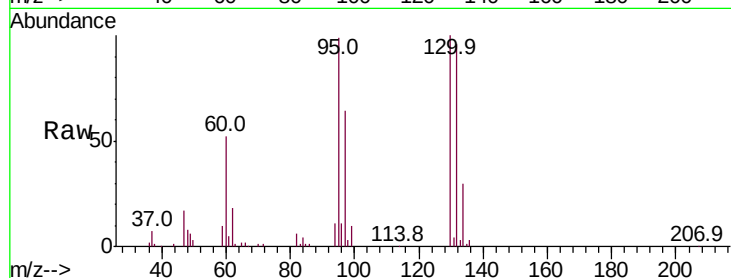
Ion Ratio Lower Upper

95 100

97 65.4 45.9 85.3

132 97.8 68.5 127.3

130 101.5 70.8 131.4



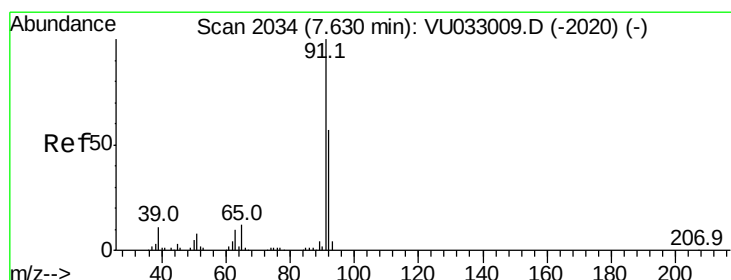
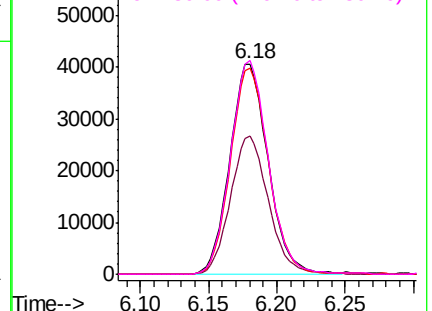
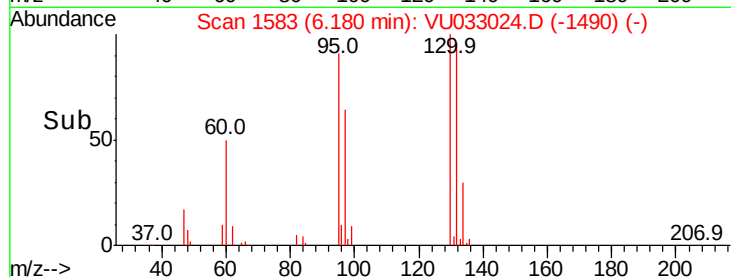
Abundance

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: 48.687 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033024.D

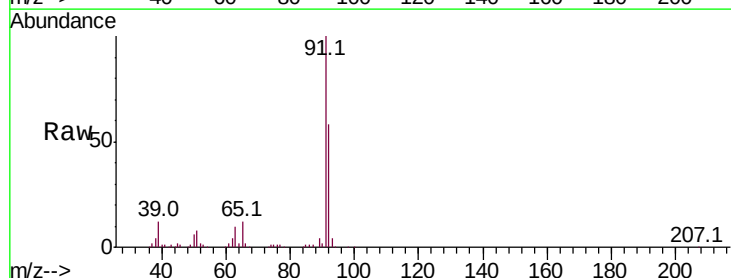
Acq: 24 Jun 2019 22:32

Tgt Ion: 91 Resp: 287045

Ion Ratio Lower Upper

91 100

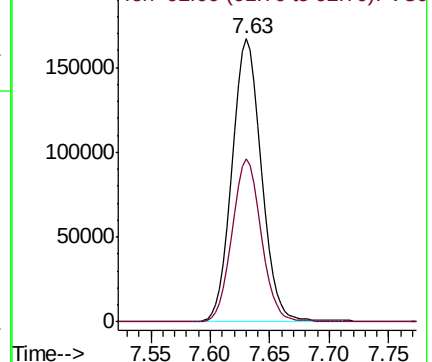
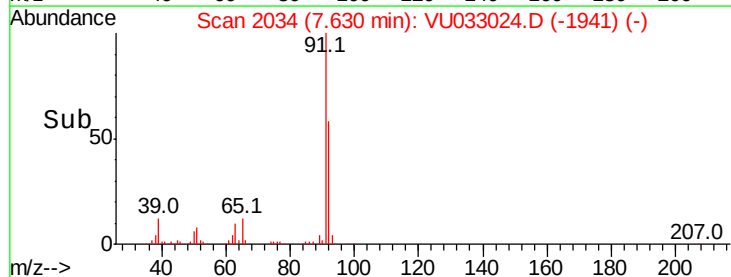
92 57.5 40.4 75.0

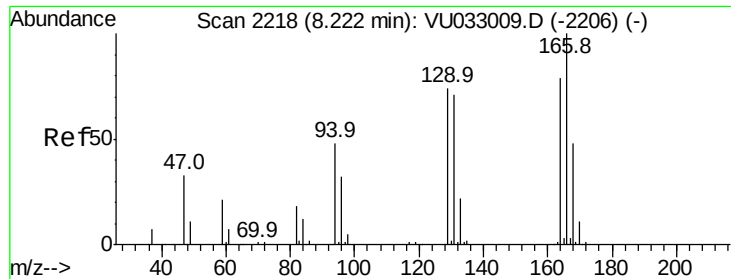


Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 9.945 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033024.D

Acq: 24 Jun 2019 22:32

Instrument :

MSVOA_U

ClientSampleId :

ETF07MSD

Tot Ion:164 Resp: 11864

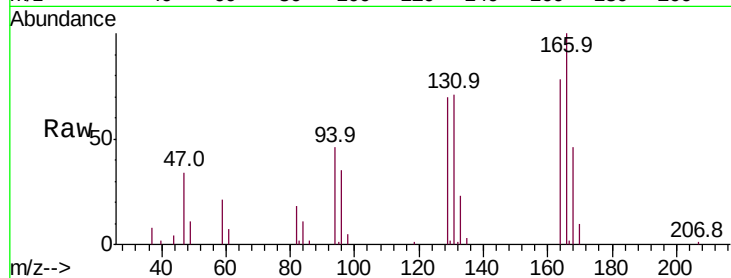
Ion Ratio Lower Upper

164 100

129 90.1 64.8 120.3

131 91.1 64.5 119.7

166 128.1 91.3 169.6

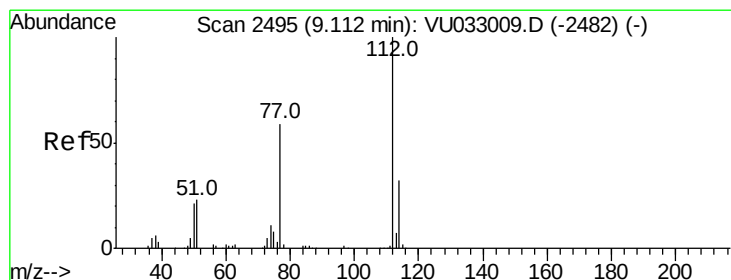
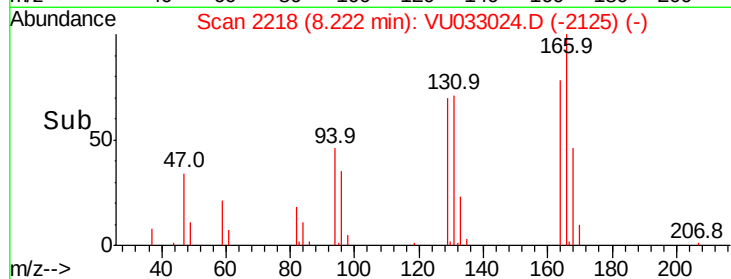
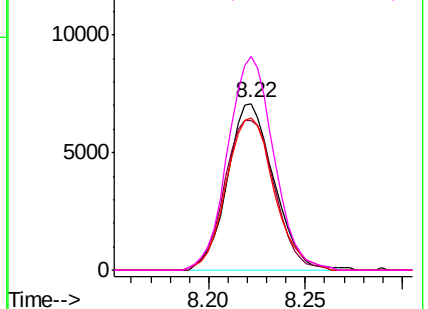


Abundance Ion 164.00 (163.70 to 164.70): V

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



#51

Chlorobenzene

Concen: 48.574 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. 0.00 min

Lab File: VU033024.D

Acq: 24 Jun 2019 22:32

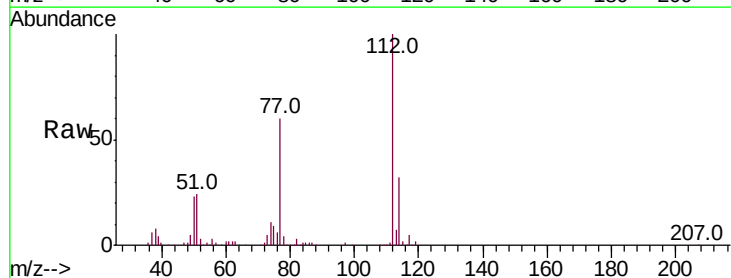
Tgt Ion:112 Resp: 188451

Ion Ratio Lower Upper

112 100

114 31.5 22.8 42.4

77 60.4 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU

