

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\
 Data File : VU033023.D
 Acq On : 24 Jun 2019 22:09
 Operator : JC/SP
 Sample : K3463-07MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF07MS

Quant Time: Jun 25 07:38:57 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	194723	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	193588	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92367	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	60787	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.36%
7) Chloroethane-d5	1.67	69	53120	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.10%
11) 1,1-Dichloroethene-d2	2.27	63	129547	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.64%
21) 2-Butanone-d5	4.17	46	124239	112.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.17%
24) Chloroform-d	4.64	84	130284	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
26) 1,2-Dichloroethane-d4	5.30	65	91958	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.72%
32) Benzene-d6	5.33	84	252483	50.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.06%
36) 1,2-Dichloropropane-d6	6.32	67	82642	51.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.82%
41) Toluene-d8	7.56	98	231821	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.84	79	40142	48.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.00%
47) 2-Hexanone-d5	8.31	63	74400	99.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.12%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	120613	48.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	89286	49.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.90%

Target Compounds

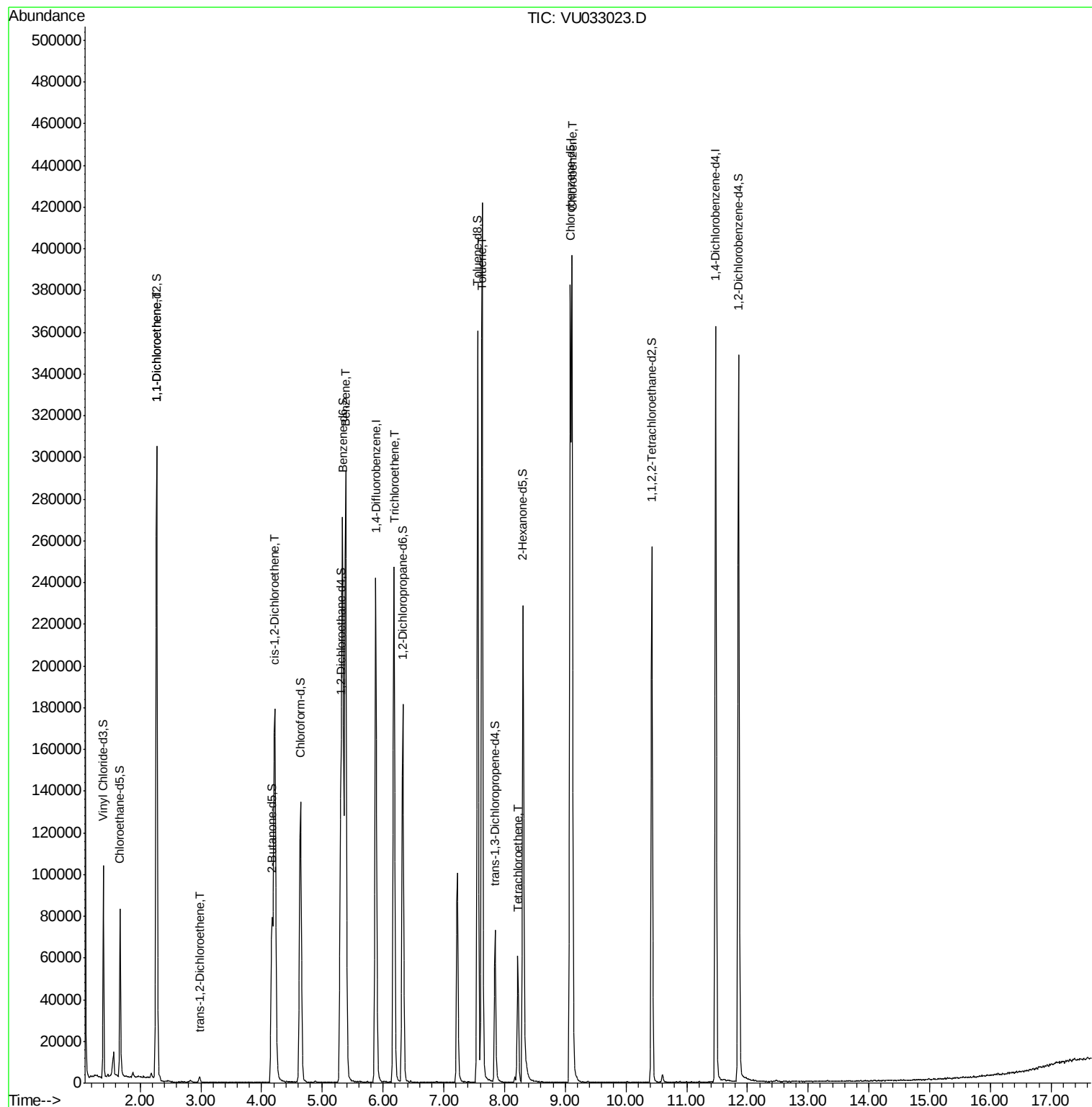
					Ovalue
12) 1,1-Dichloroethene	2.28	96	56692	46.233 ug/L	96
17) trans-1,2-Dichloroethene	2.98	96	1056	0.794 ug/L #	73
20) cis-1,2-Dichloroethene	4.22	96	91265	63.002 ug/L	92
33) Benzene	5.38	78	274211	49.170 ug/L	100
34) Trichloroethene	6.18	95	82473	55.350 ug/L	97
42) Toluene	7.63	91	292577	48.489 ug/L	99
46) Tetrachloroethene	8.22	164	13138	10.760 ug/L	96
51) Chlorobenzene	9.11	112	192595	48.506 ug/L	99

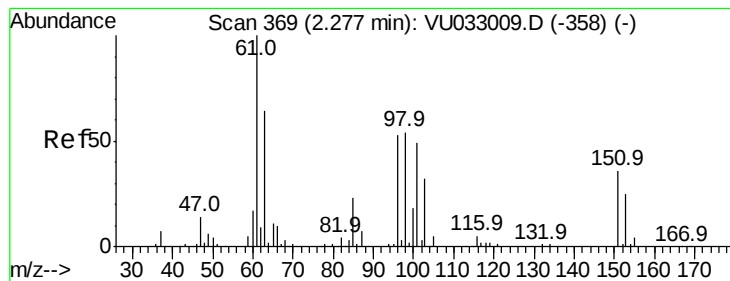
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 25 06:54:49 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 46.233 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU033023.D

Acq: 24 Jun 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETF07MS

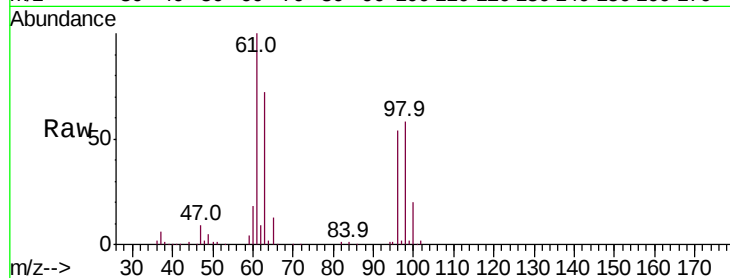
Tot Ion: 96 Resp: 56692

Ion Ratio Lower Upper

96 100

61 186.7 131.0 243.4

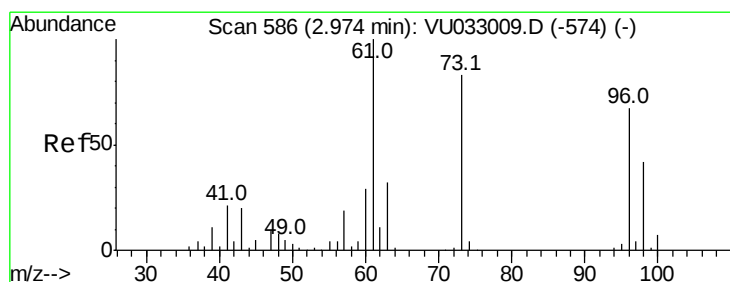
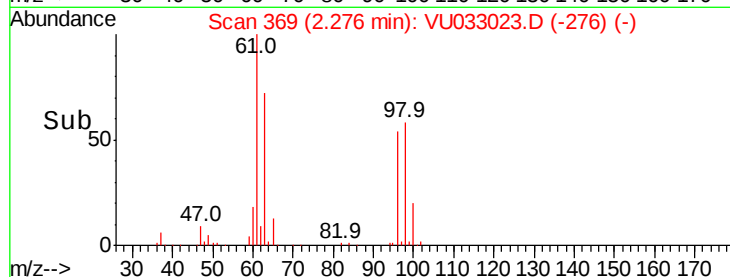
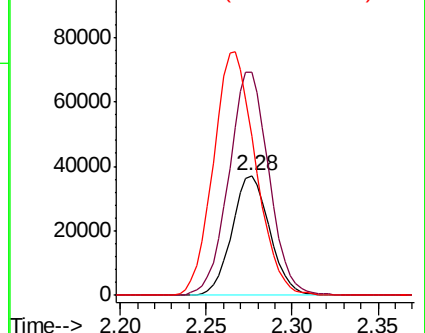
63 133.5 101.0 187.6



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: 0.794 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033023.D

Acq: 24 Jun 2019 22:09

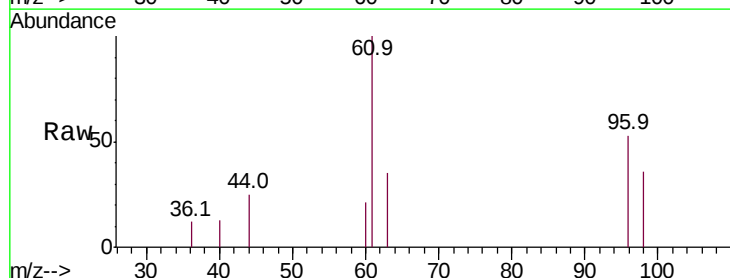
Tgt Ion: 96 Resp: 1056

Ion Ratio Lower Upper

96 100

61 188.1 100.9 187.5#

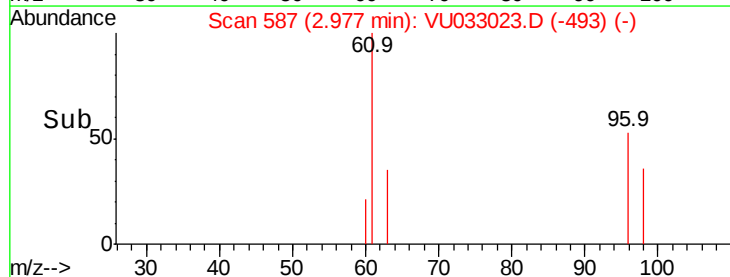
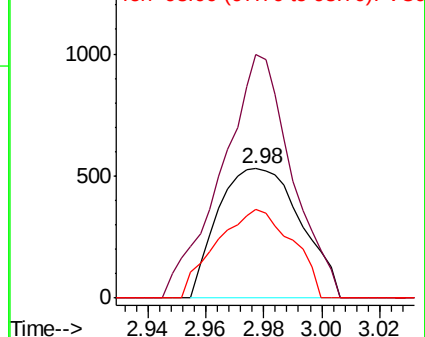
98 68.5 44.0 81.8

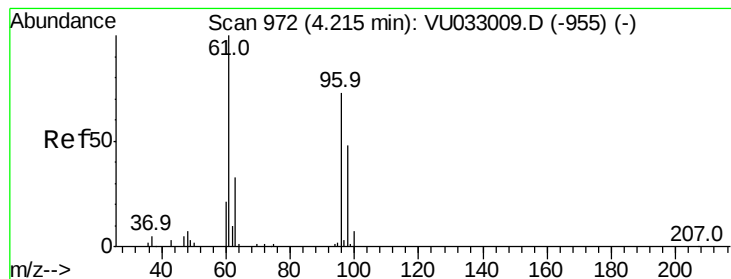


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 63.002 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU033023.D

Acq: 24 Jun 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETF07MS

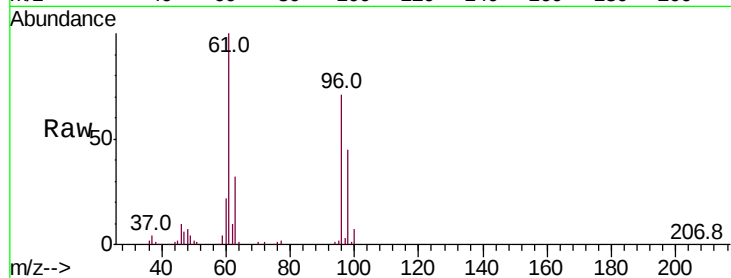
Tot Ion: 96 Resp: 91265

Ion Ratio Lower Upper

96 100

61 141.4 92.4 171.6

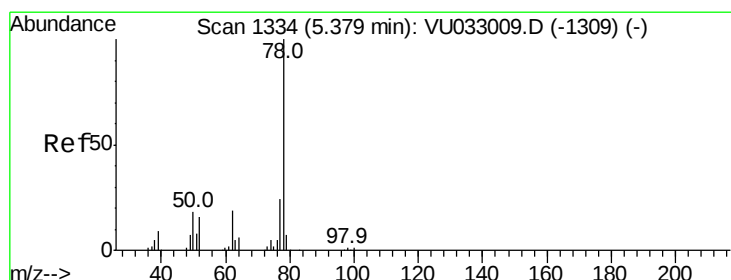
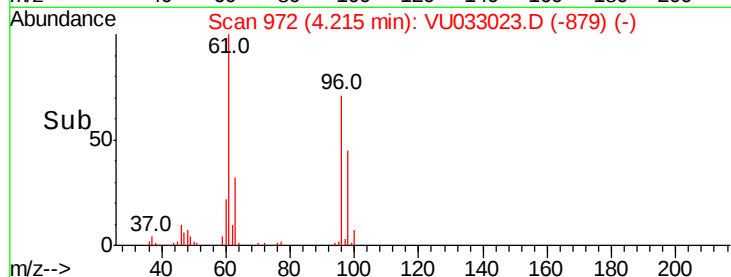
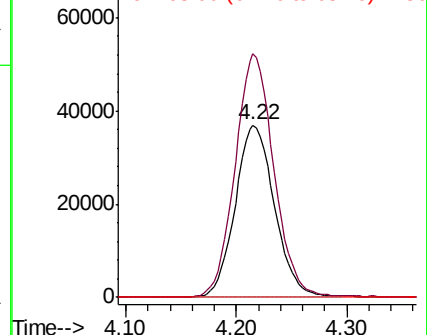
68 0.0 0.0 0.0



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



#33

Benzene

Concen: 49.170 ug/L

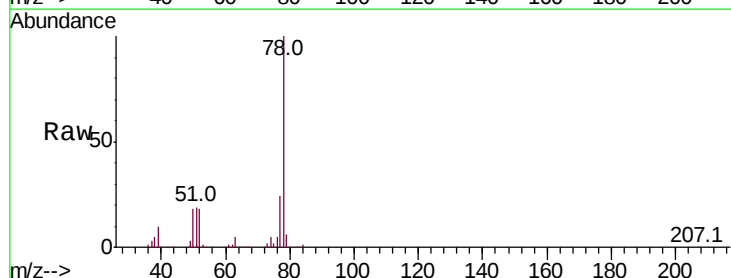
RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

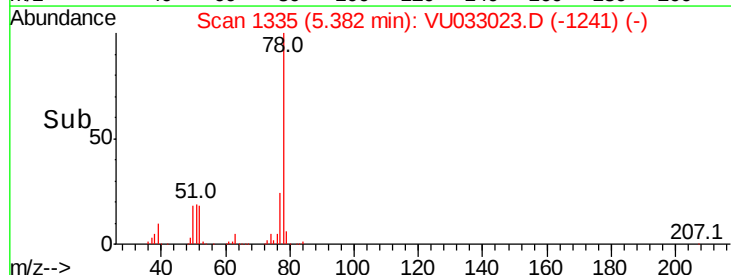
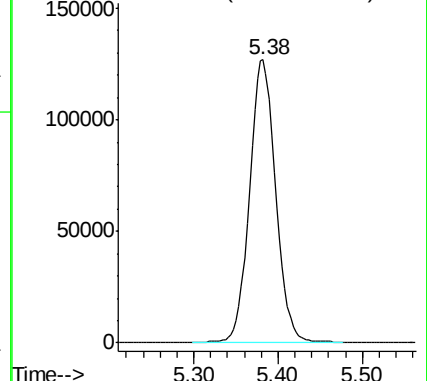
Lab File: VU033023.D

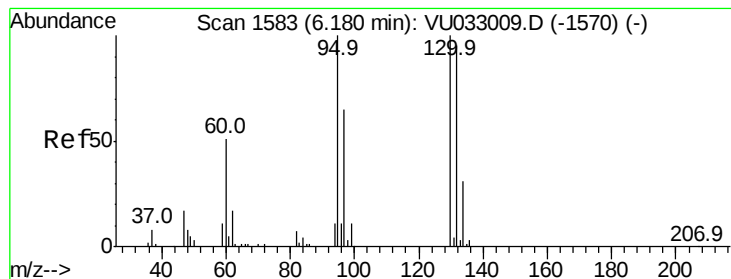
Acq: 24 Jun 2019 22:09

Tgt Ion: 78 Resp: 274211



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 55.350 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU033023.D

Acq: 24 Jun 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETF07MS

Tot Ion: 95 Resp: 82473

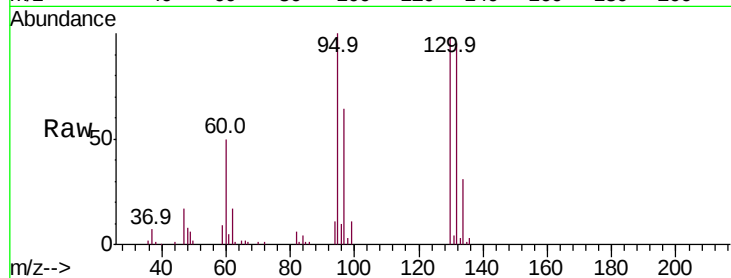
Ion Ratio Lower Upper

95 100

97 63.6 45.9 85.3

132 94.9 68.5 127.3

130 98.5 70.8 131.4

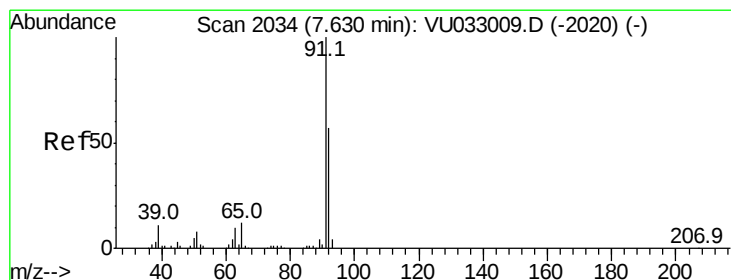
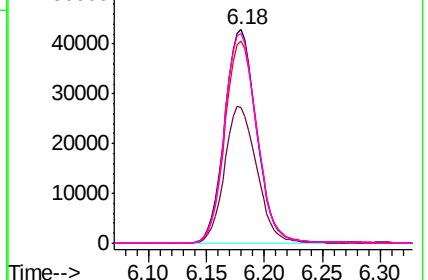
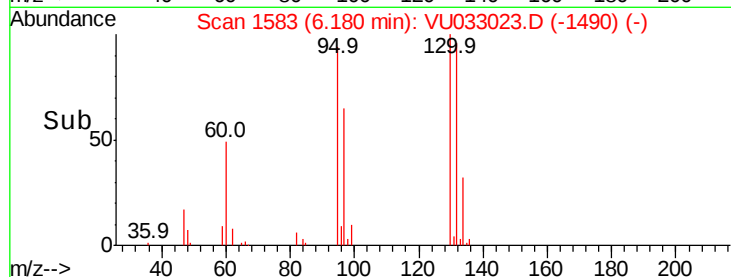


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.489 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU033023.D

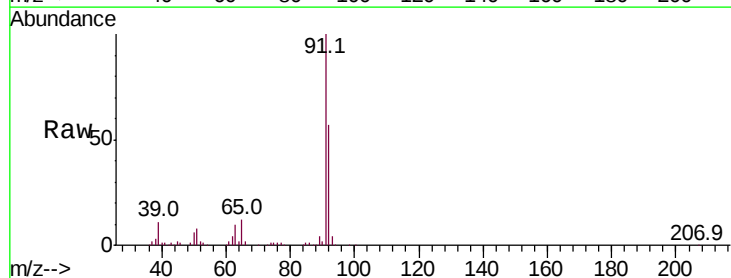
Acq: 24 Jun 2019 22:09

Tgt Ion: 91 Resp: 292577

Ion Ratio Lower Upper

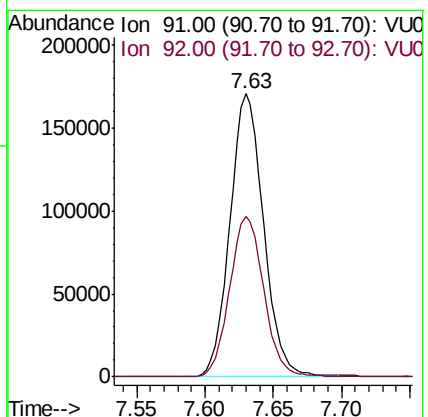
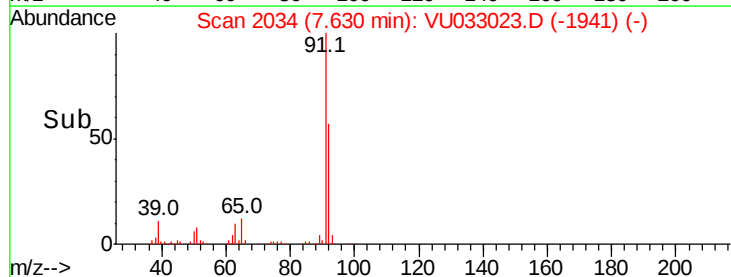
91 100

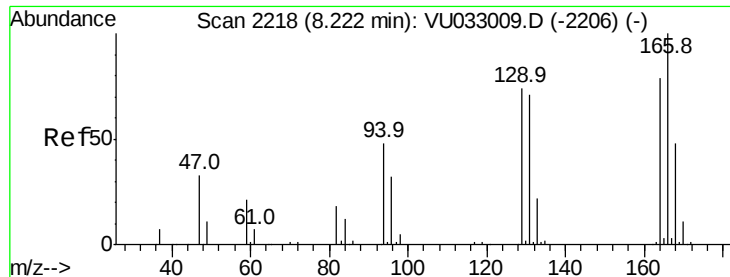
92 56.7 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 10.760 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU033023.D

Acq: 24 Jun 2019 22:09

Instrument :

MSVOA_U

ClientSampleId :

ETF07MS

Tot Ion:164 Resp: 13138

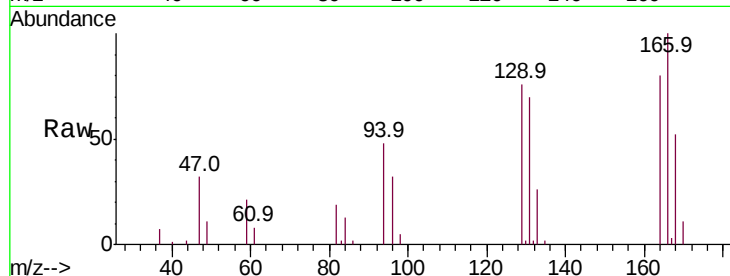
Ion Ratio Lower Upper

164 100

129 95.5 64.8 120.3

131 87.4 64.5 119.7

166 125.7 91.3 169.6

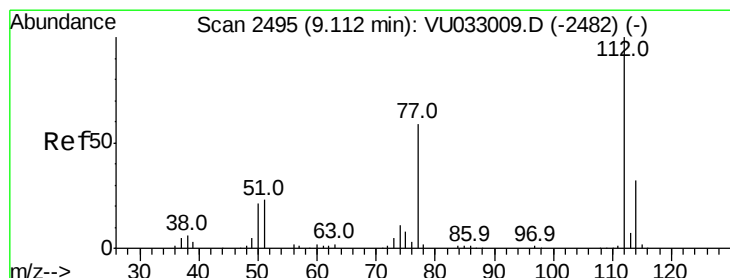
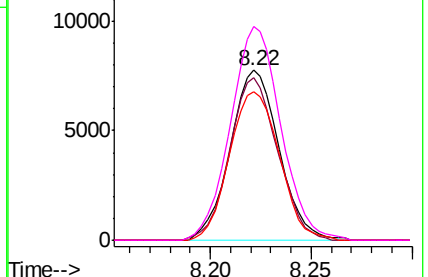
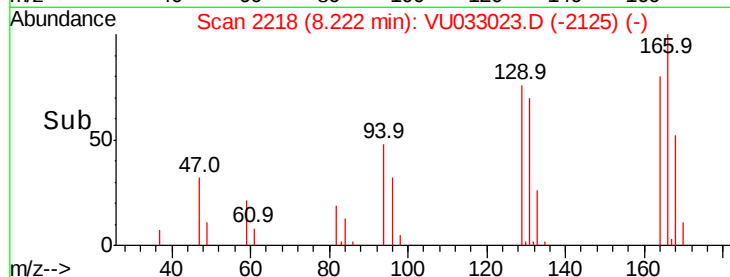


Abundance Ion 164.00 (163.70 to 164.70): V

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: 48.506 ug/L

RT: 9.11 min Scan# 2495

Delta R.T. -0.00 min

Lab File: VU033023.D

Acq: 24 Jun 2019 22:09

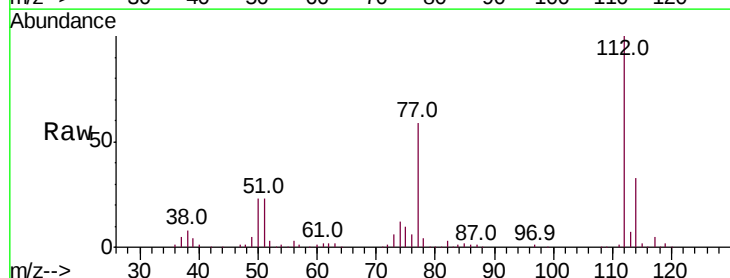
Tgt Ion:112 Resp: 192595

Ion Ratio Lower Upper

112 100

114 32.8 22.8 42.4

77 59.0 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

