

Data File : VU028258.D
Acq On : 19 Nov 2018 16:50
Operator : MD/SY
Sample : J5986-02MS 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Quant Time: Nov 26 04:35:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	129550	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	126432	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	55462	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42614	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	38930	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.28	63	88958	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	4.20	46	146390	44.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.74%
24) Chloroform-d	4.65	84	81532	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	45624	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.34	84	160500	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.33	67	62308	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.57	98	138936	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.85	79	17482	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.31	63	102595	40.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42412	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	48486	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

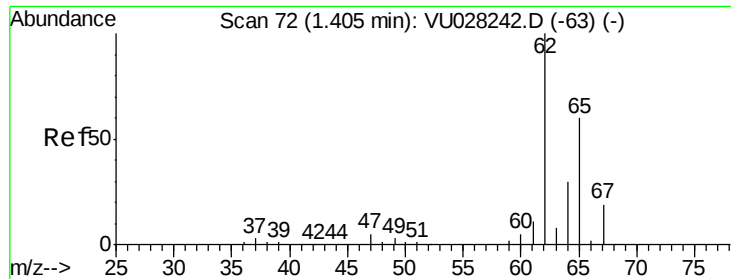
					Qvalue
5) Vinyl chloride	1.41	62	12904	0.981 ug/L	# 63
12) 1,1-Dichloroethene	2.29	96	43603	5.467 ug/L	88
17) Methyl tert-butyl Ether	3.01	73	40896	1.707 ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	3156	0.371 ug/L	87
22) cis-1,2-Dichloroethene	4.23	96	77292	7.697 ug/L	95
33) Benzene	5.39	78	210813	5.054 ug/L	100
34) Trichloroethene	6.19	95	128493	12.582 ug/L	97
42) Toluene	7.64	91	209365	4.952 ug/L	99
47) Tetrachloroethene	8.23	164	1170	0.165 ug/L	83
51) Chlorobenzene	9.12	112	126761	5.206 ug/L	99

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

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.981 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

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Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

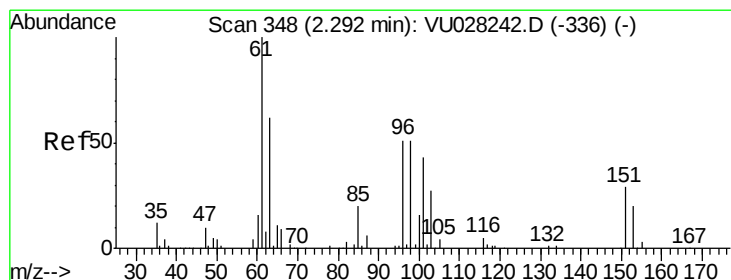
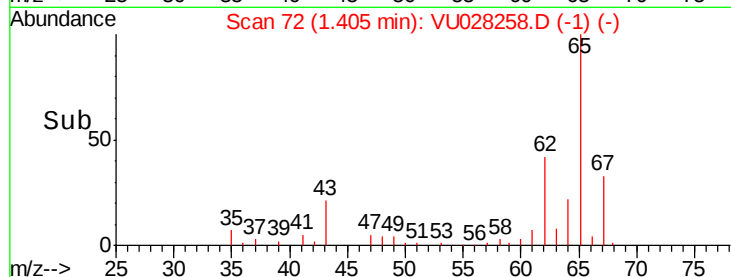
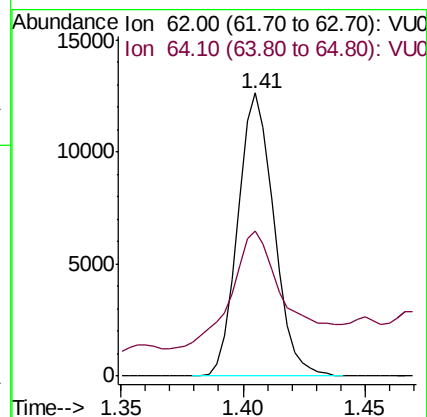
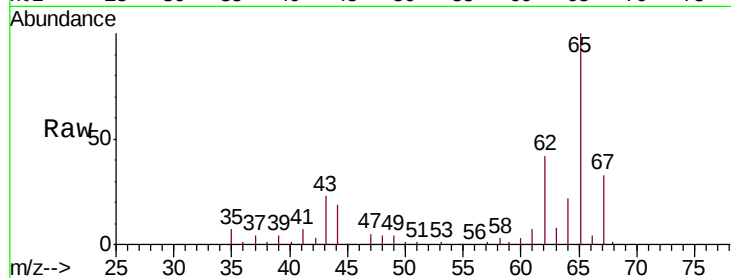
H0FG7MS

Tgt Ion: 62 Resp: 12904

Ion Ratio Lower Upper

62 100

64 51.5 21.7 40.3#



#12

1,1-Dichloroethene

Concen: 5.467 ug/L

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

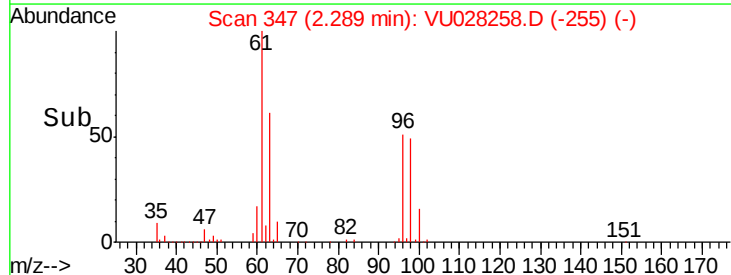
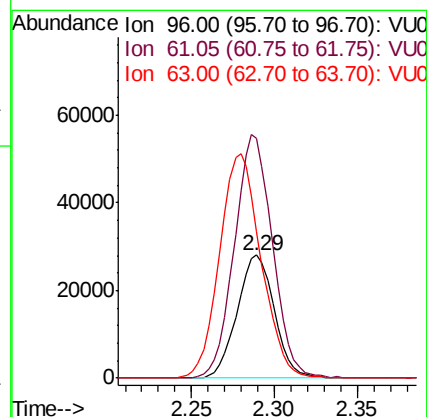
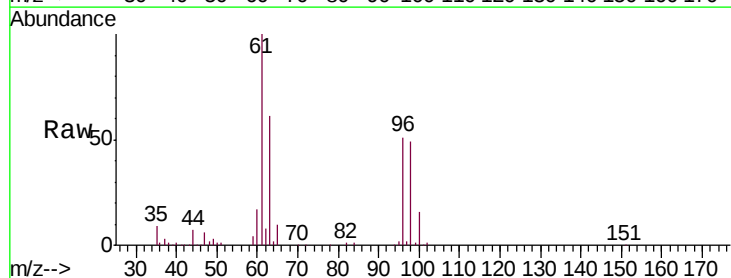
Tgt Ion: 96 Resp: 43603

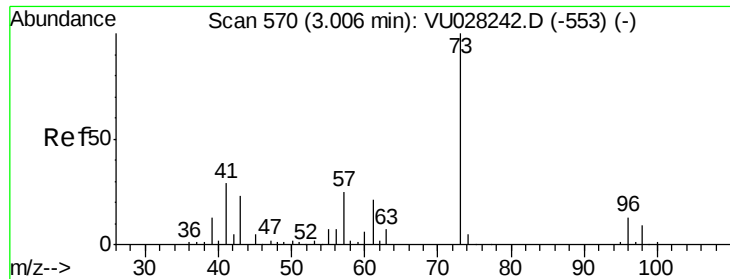
Ion Ratio Lower Upper

96 100

61 194.5 145.5 270.1

63 119.5 98.6 183.2

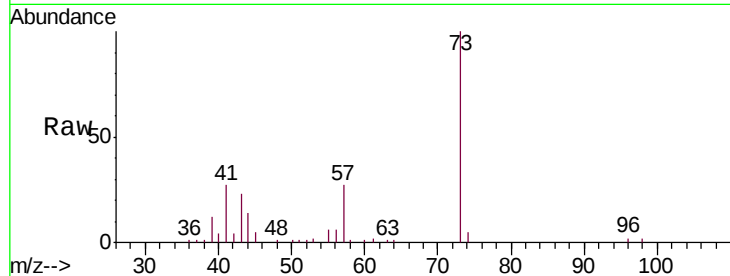




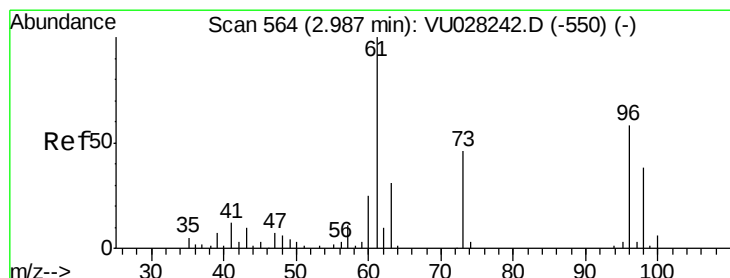
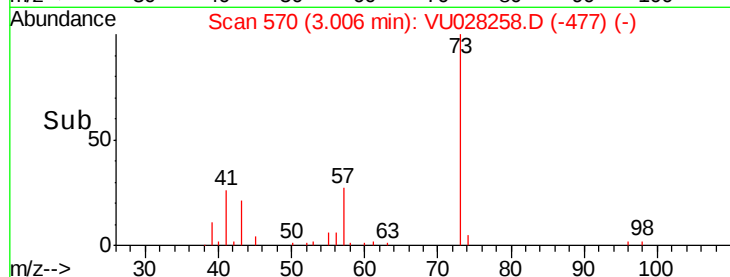
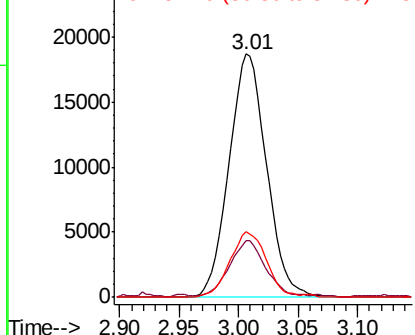
#17
Methyl tert-butyl Ether
Concen: 1.707 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion: 73 Resp: 40896
Ion Ratio Lower Upper
73 100
43 21.3 18.8 28.2
57 26.2 19.2 28.8

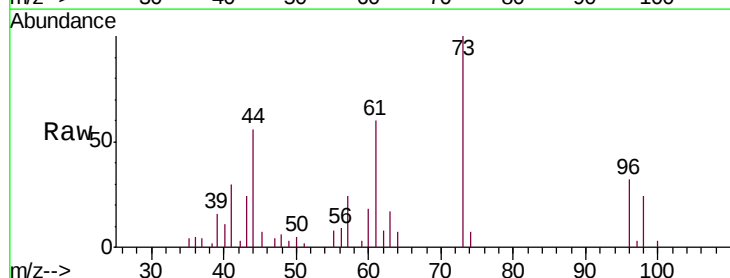


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

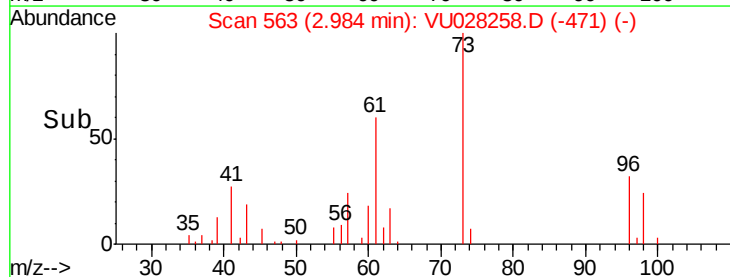
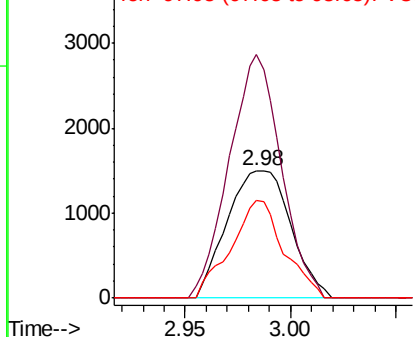


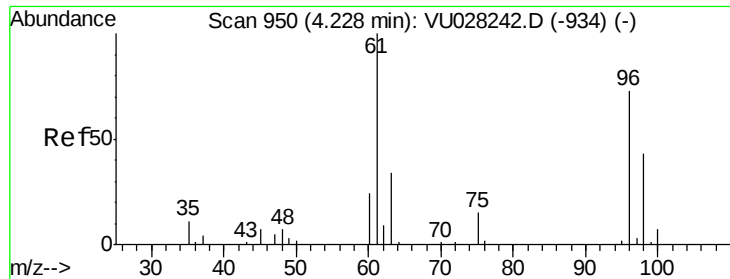
#18
trans-1,2-Dichloroethene
Concen: 0.371 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Tgt Ion: 96 Resp: 3156
Ion Ratio Lower Upper
96 100
61 190.7 122.2 227.0
98 76.0 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 7.697 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

H0FG7MS

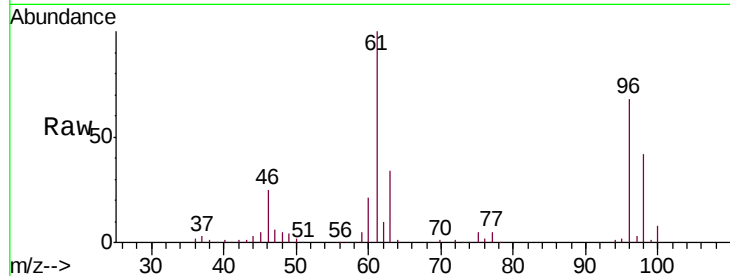
Tgt Ion: 96 Resp: 77292

Ion Ratio Lower Upper

96 100

61 147.5 108.0 200.6

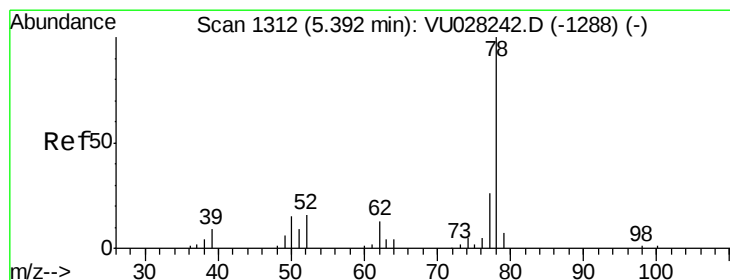
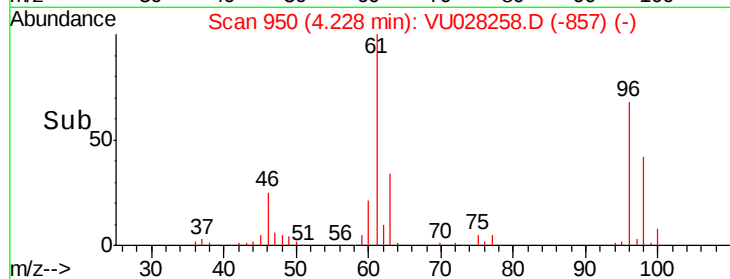
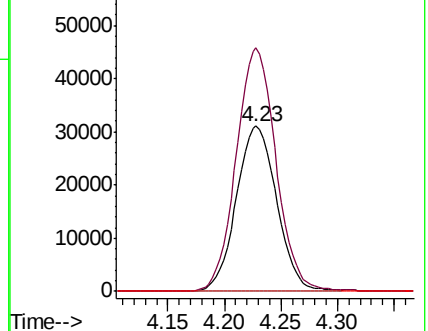
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#33

Benzene

Concen: 5.054 ug/L

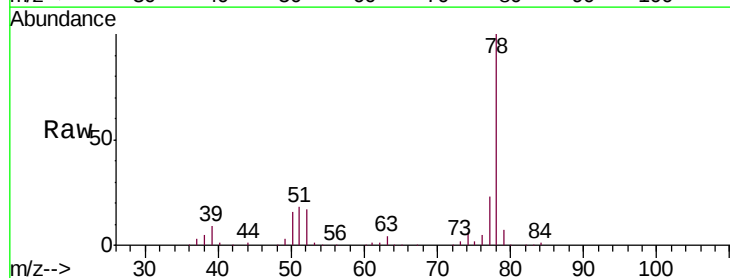
RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

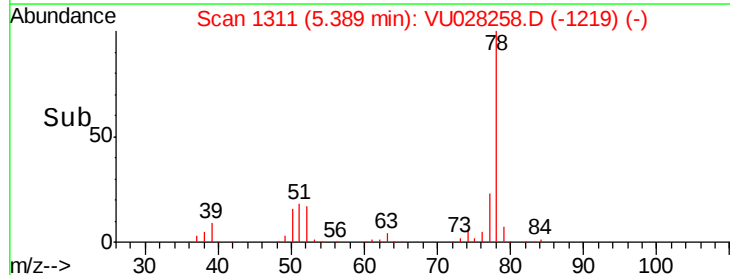
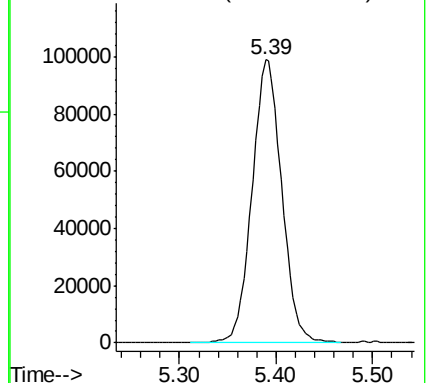
Lab File: VU028258.D

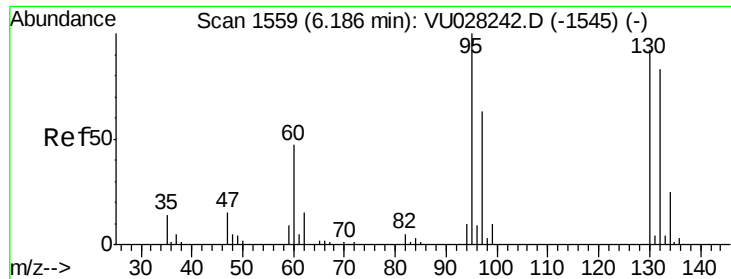
Acq: 19 Nov 2018 16:50

Tgt Ion: 78 Resp: 210813



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 12.582 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

H0FG7MS

Tgt Ion: 95 Resp: 128493

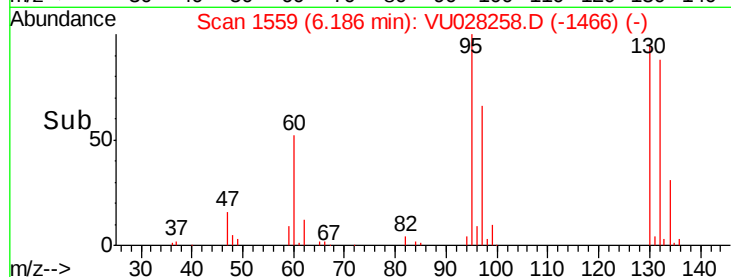
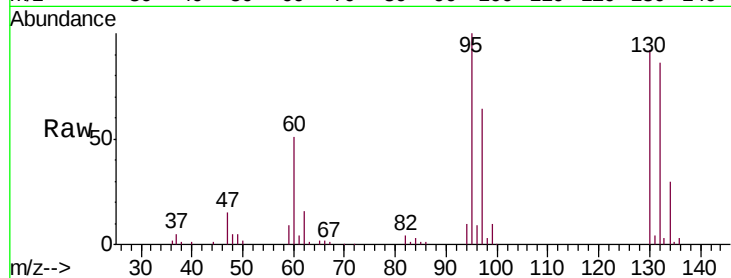
Ion Ratio Lower Upper

95 100

97 64.4 46.5 86.3

132 85.8 58.9 109.3

130 91.8 61.3 113.9

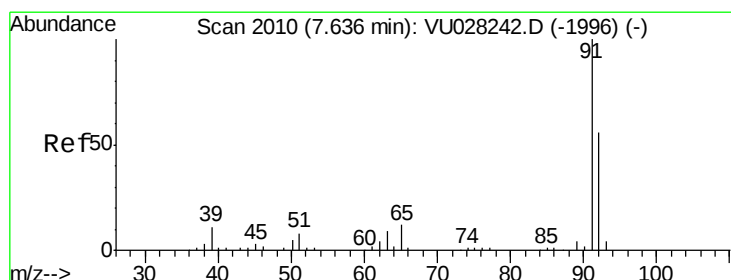
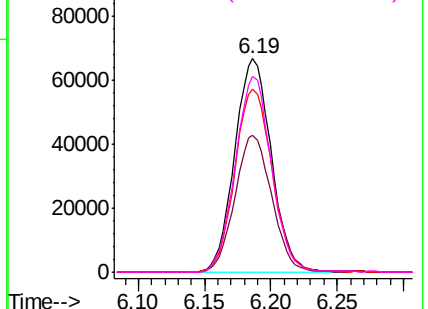


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 4.952 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028258.D

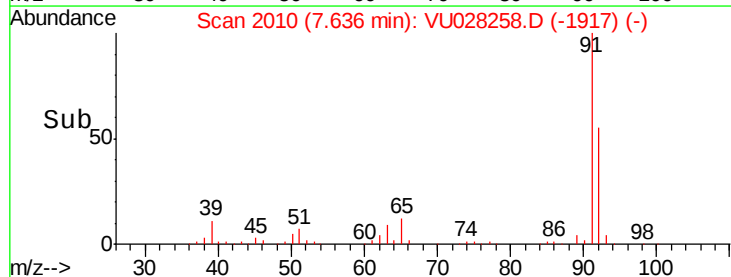
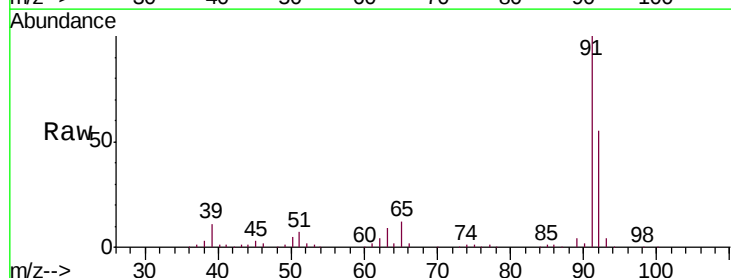
Acq: 19 Nov 2018 16:50

Tgt Ion: 91 Resp: 209365

Ion Ratio Lower Upper

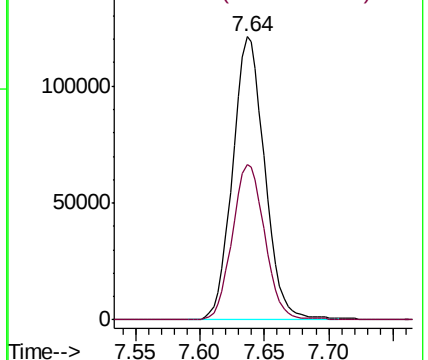
91 100

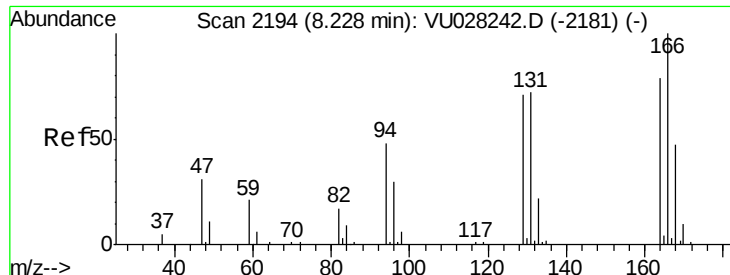
92 54.8 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 0.165 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

H0FG7MS

Tgt Ion:164 Resp: 1170

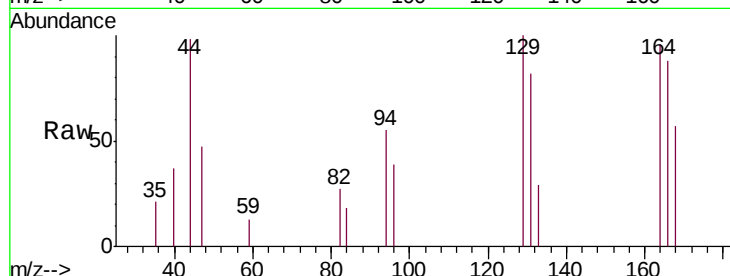
Ion Ratio Lower Upper

164 100

129 104.4 67.6 125.6

131 86.0 66.3 123.1

166 92.1 89.2 165.6

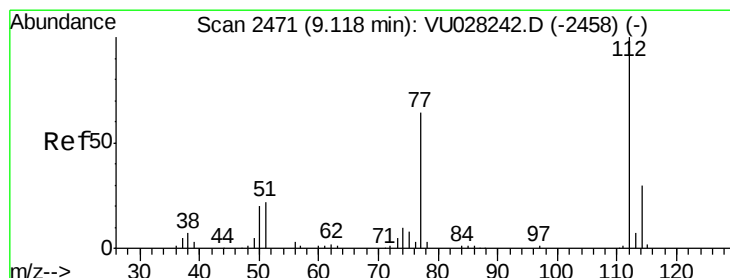
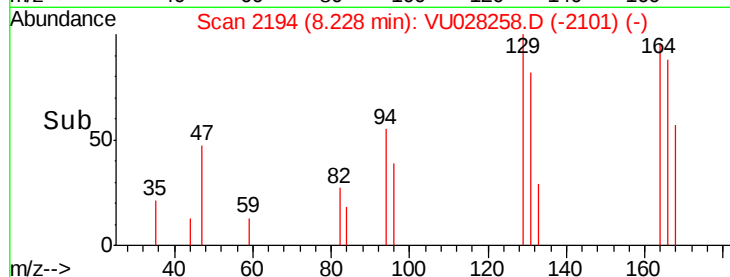
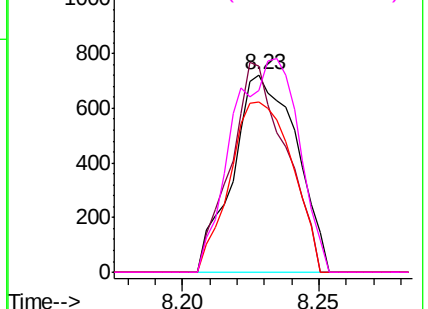


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#51

Chlorobenzene

Concen: 5.206 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

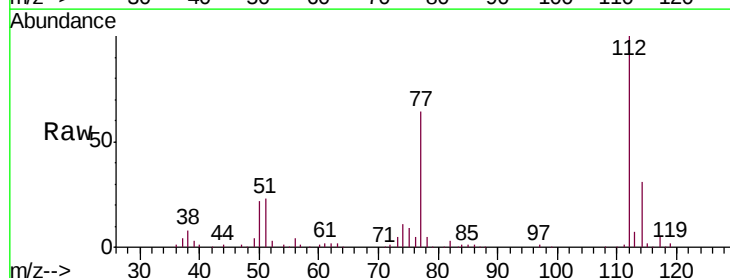
Tgt Ion:112 Resp: 126761

Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

77 64.2 52.4 78.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

