

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U111518\
 Data File : VU028169.D
 Acq On : 15 Nov 2018 14:16
 Operator : MD/SY
 Sample : J5943-03RE
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH1RE

Quant Time: Nov 16 01:41:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 16 00:43:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	145486	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	137604	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	69194	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	37271	3.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.80%
7) Chloroethane-d5	1.68	69	32380	3.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.60%
11) 1,1-Dichloroethene-d2	2.28	63	54238	2.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.20%#
20) 2-Butanone-d5	4.20	46	150088	42.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.72%
24) Chloroform-d	4.65	84	70769	3.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.80%
26) 1,2-Dichloroethane-d4	5.31	65	40197	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
32) Benzene-d6	5.34	84	139189	3.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.40%
36) 1,2-Dichloropropane-d6	6.33	67	55613	3.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.80%
41) Toluene-d8	7.57	98	122817	3.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.80%#
43) trans-1,3-Dichloropropene-	7.85	79	17315	3.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	68.80%
46) 2-Hexanone-d5	8.31	63	113844	39.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	38561	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	49494	3.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.60%#

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	92968	5.97	ug/L	100
8) Chloroethane	1.70	64	12816	1.37	ug/L	97
13) Acetone	2.34	43	8237	3.49	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	62631	6.09	ug/L	98
19) 1,1-Dichloroethane	3.44	63	22770	1.05	ug/L	94
21) 2-Butanone	4.29	43	16768	4.51	ug/L	99
22) cis-1,2-Dichloroethene	4.23	96	115903	10.22	ug/L	95
27) 1,2-Dichloroethane	5.41	62	5822	0.46	ug/L	97
33) Benzene	5.39	78	110201	2.38	ug/L	100
34) Trichloroethene	6.19	95	41528	3.62	ug/L	97
42) Toluene	7.64	91	283533	5.93	ug/L	100
51) Chlorobenzene	9.12	112	3131	0.11	ug/L #	93
52) Ethylbenzene	9.25	91	60717	1.16	ug/L	98
53) m,p-xylene	9.38	106	38012	2.00	ug/L	93
54) o-xylene	9.78	106	45609	2.49	ug/L	99
56) Isopropylbenzene	10.12	105	53128	1.07	ug/L #	78

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

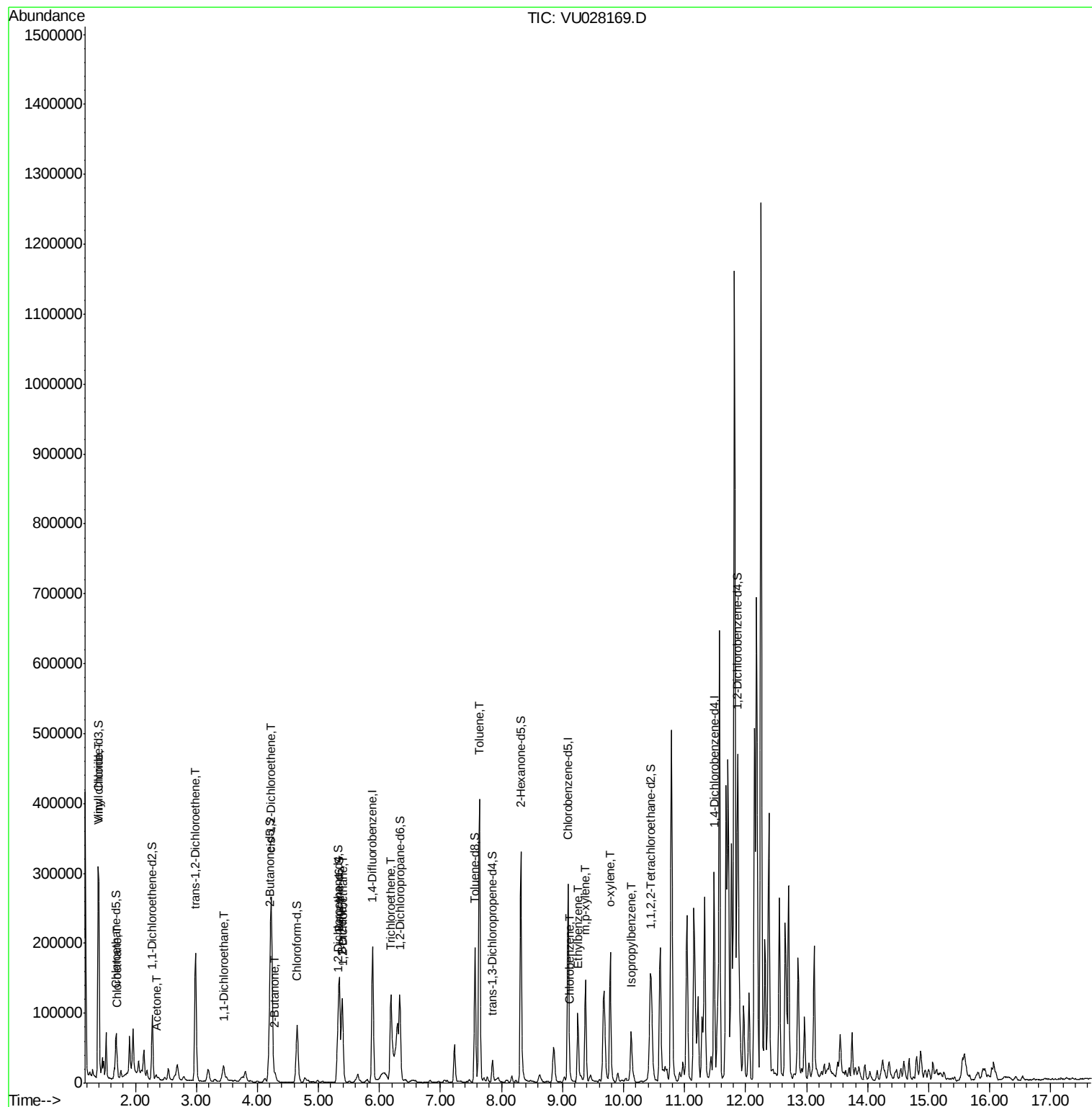
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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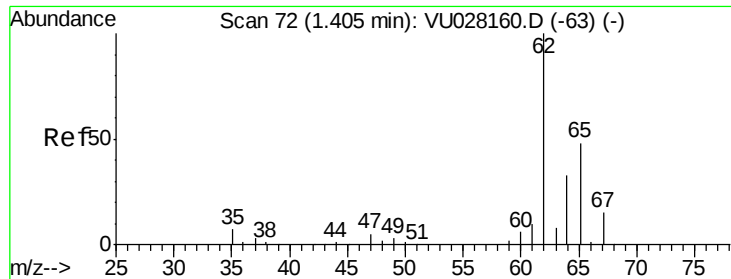
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 5.97 ug/L

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

Instrument :

MSVOA_U

ClientSampleId :

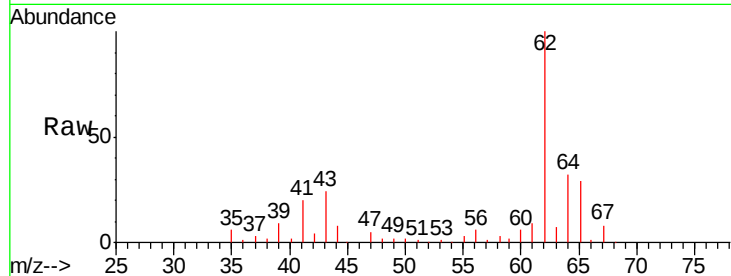
H0FH1RE

Tgt Ion: 62 Resp: 92968

Ion Ratio Lower Upper

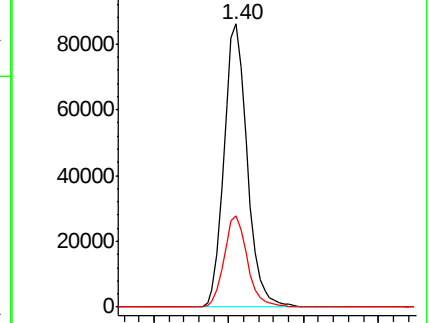
62 100

64 32.3 22.7 42.3

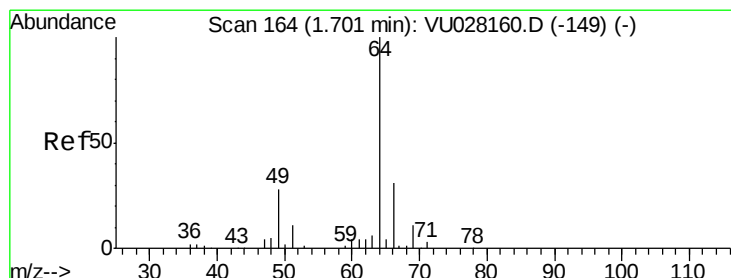
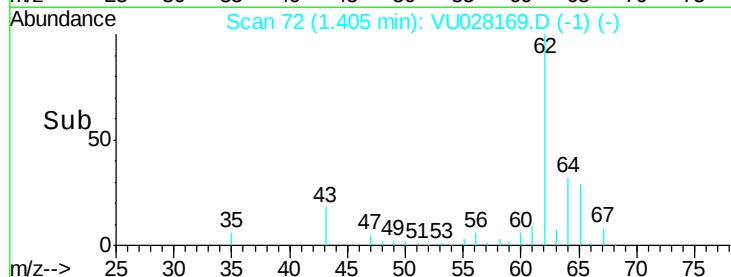


Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



Time-->



#8

Chloroethane

Concen: 1.37 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU028169.D

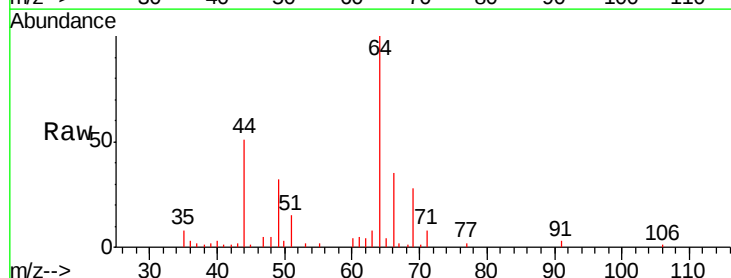
Acq: 15 Nov 2018 14:16

Tgt Ion: 64 Resp: 12816

Ion Ratio Lower Upper

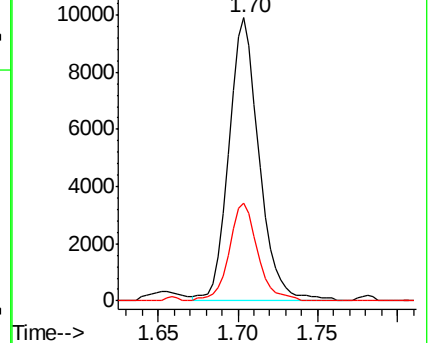
64 100

66 34.7 23.1 42.9

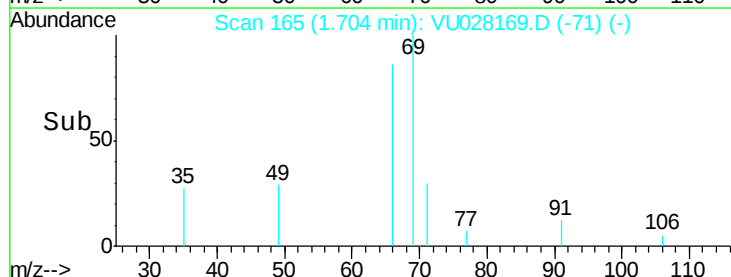


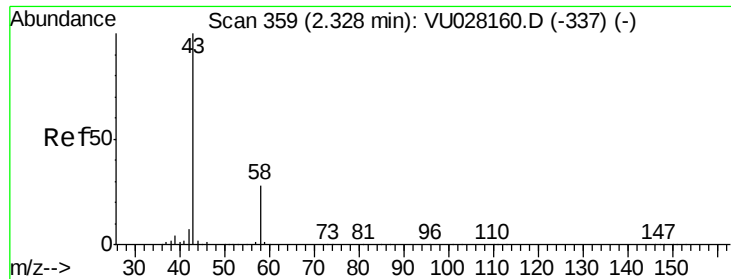
Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



Time-->





#13

Acetone

Concen: 3.49 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.01 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

Instrument :

MSVOA_U

ClientSampleId :

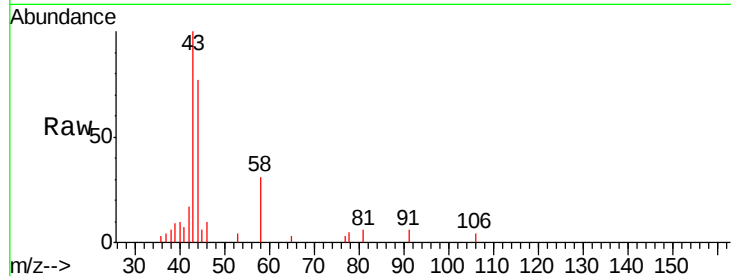
H0FH1RE

Tgt Ion: 43 Resp: 8237

Ion Ratio Lower Upper

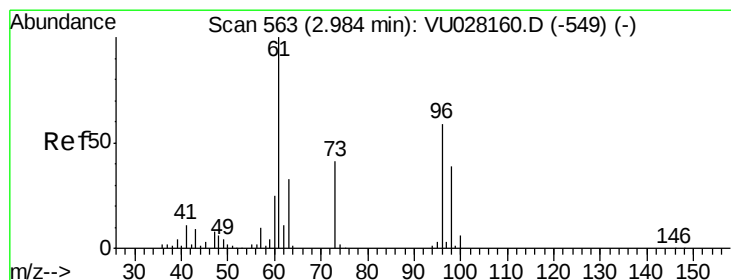
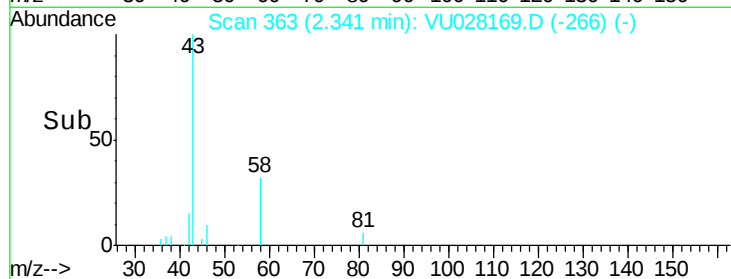
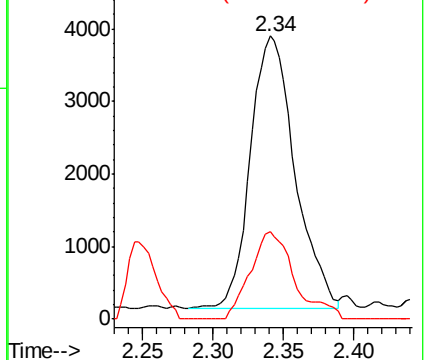
43 100

58 32.1 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 6.09 ug/L

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

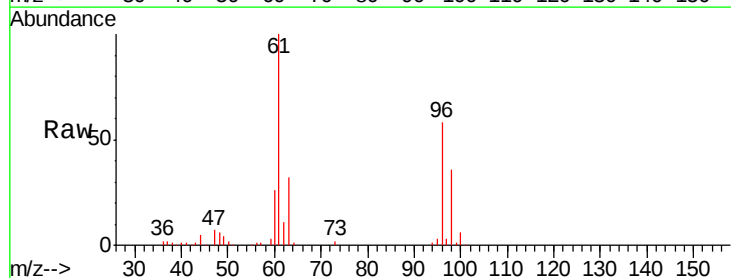
Tgt Ion: 96 Resp: 62631

Ion Ratio Lower Upper

96 100

61 171.0 118.5 220.1

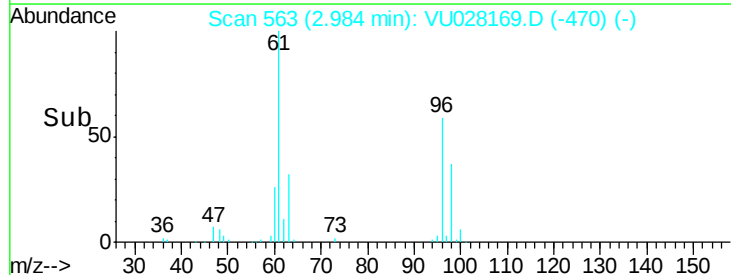
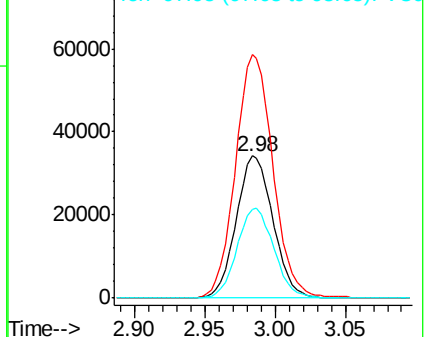
98 62.4 44.9 83.5

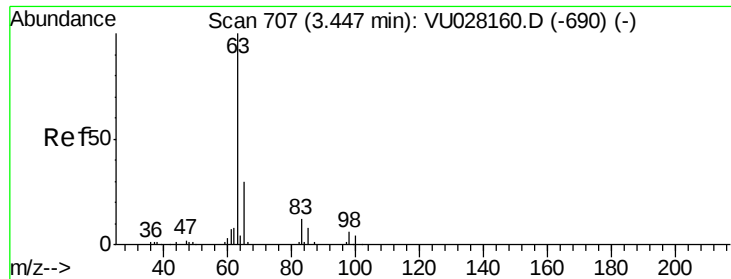


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

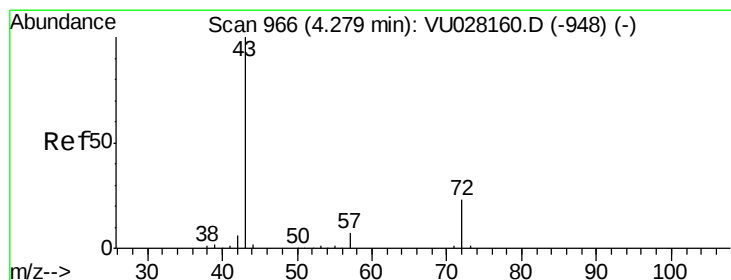
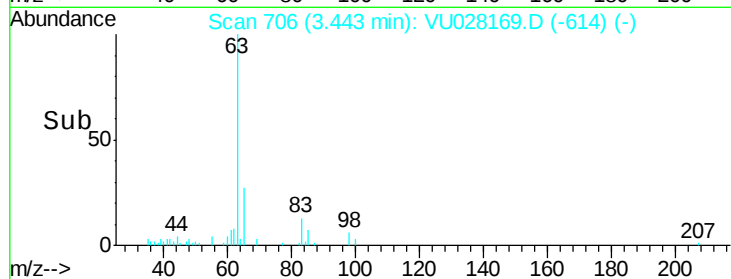
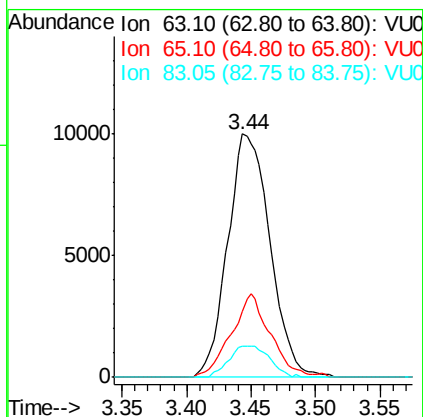
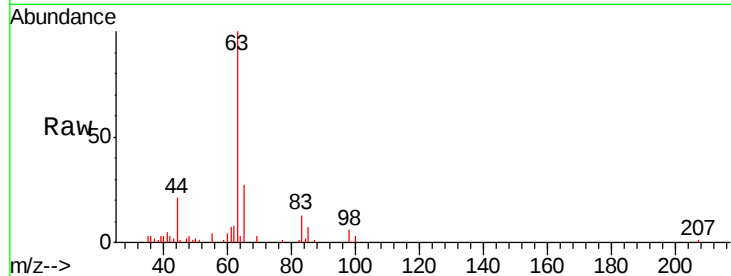




#19
 1,1-Dichloroethane
 Concen: 1.05 ug/L
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028169.D
 Acq: 15 Nov 2018 14:16

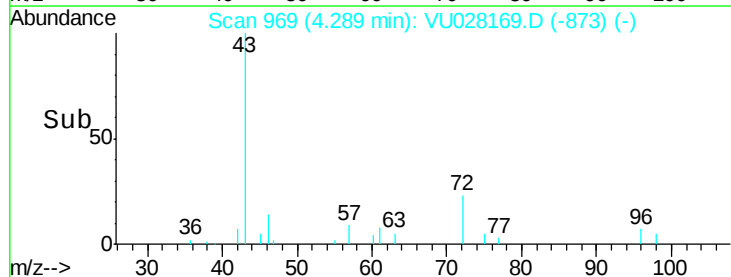
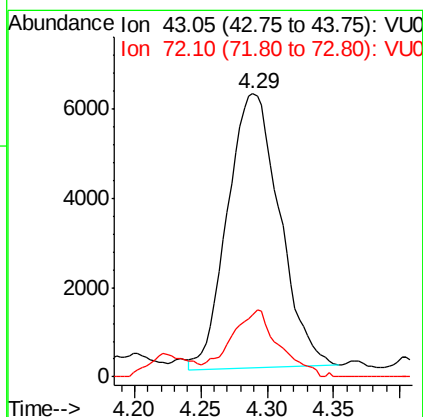
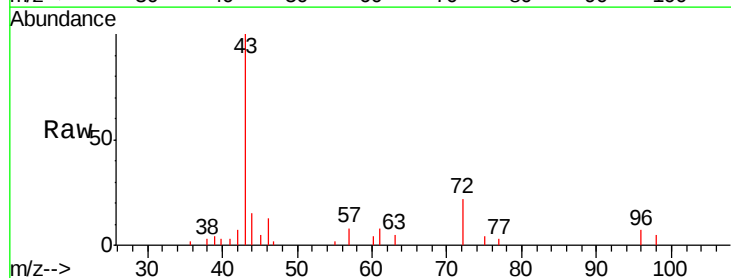
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH1RE

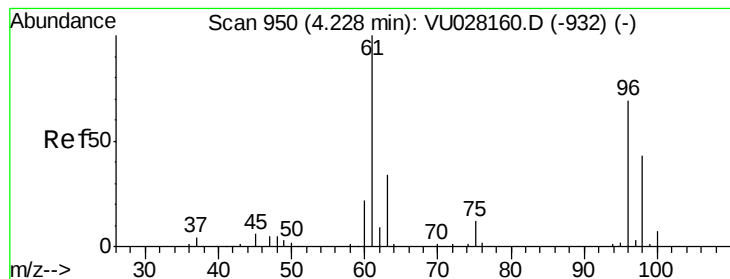
Tgt Ion: 63 Resp: 22770
 Ion Ratio Lower Upper
 63 100
 65 27.0 22.2 41.2
 83 12.7 8.9 16.5



#21
 2-Butanone
 Concen: 4.51 ug/L
 RT: 4.29 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU028169.D
 Acq: 15 Nov 2018 14:16

Tgt Ion: 43 Resp: 16768
 Ion Ratio Lower Upper
 43 100
 72 22.7 11.0 33.0





#22

cis-1,2-Dichloroethene

Concen: 10.22 ug/L

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

Instrument :

MSVOA_U

ClientSampleId :

H0FH1RE

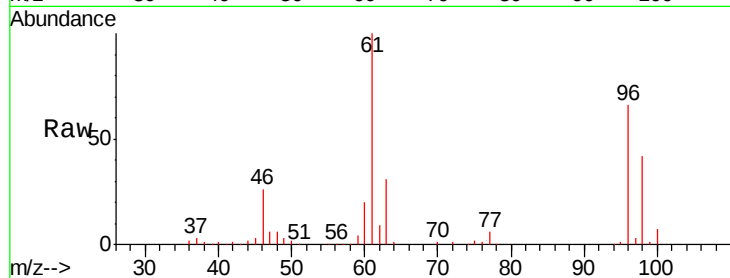
Tgt Ion: 96 Resp: 115903

Ion Ratio Lower Upper

96 100

61 152.2 101.8 189.0

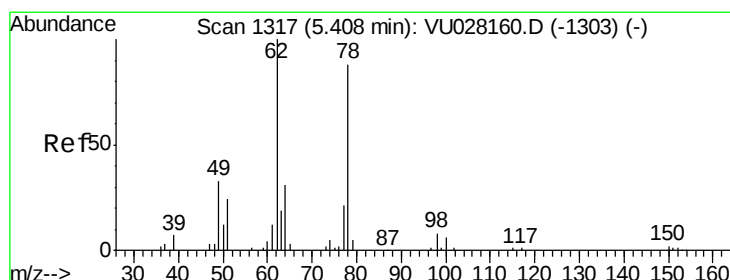
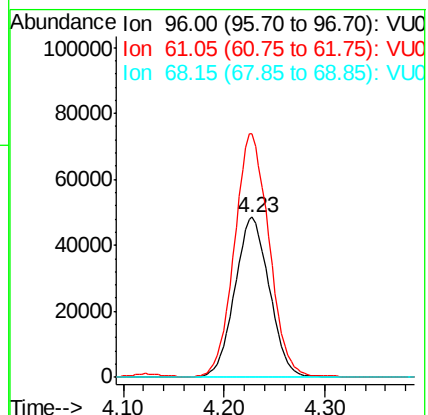
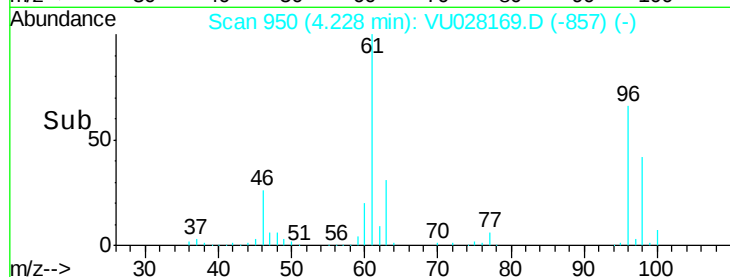
68 0.0 0.0 0.0



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



#27

1,2-Dichloroethane

Concen: 0.46 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU028169.D

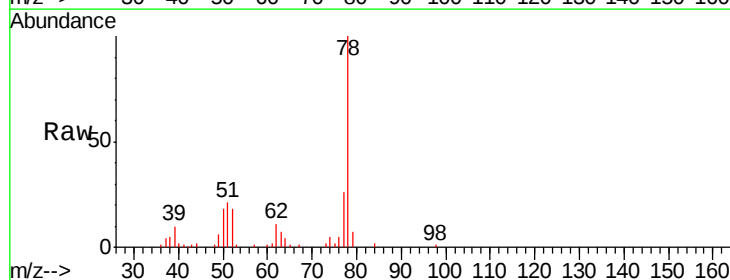
Acq: 15 Nov 2018 14:16

Tgt Ion: 62 Resp: 5822

Ion Ratio Lower Upper

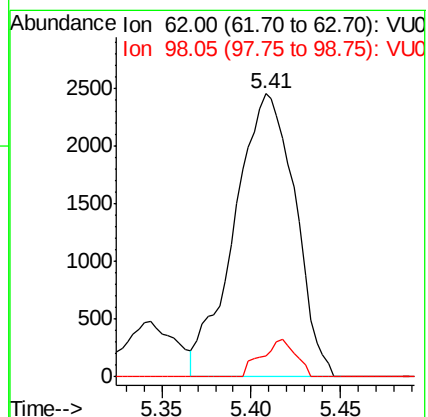
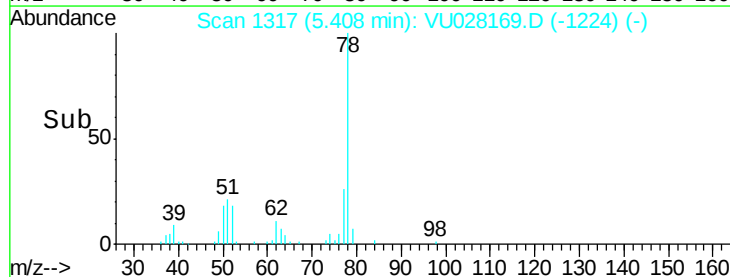
62 100

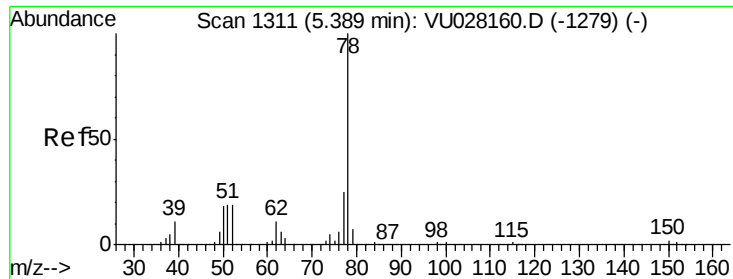
98 7.6 7.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

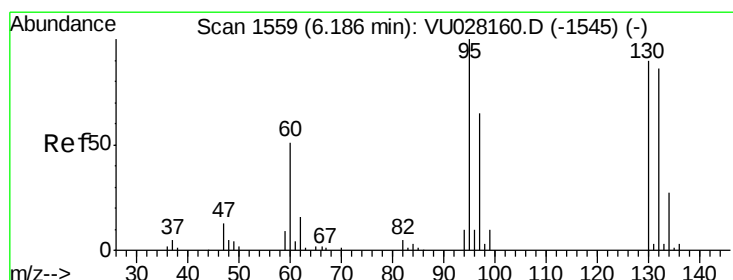
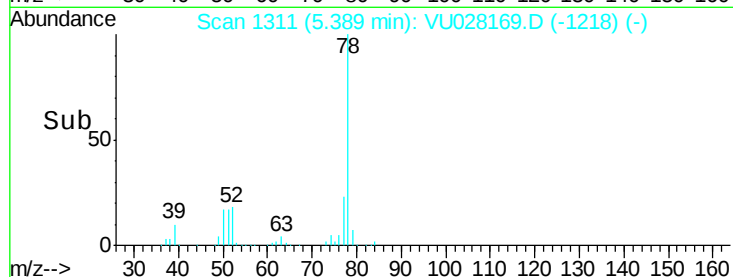
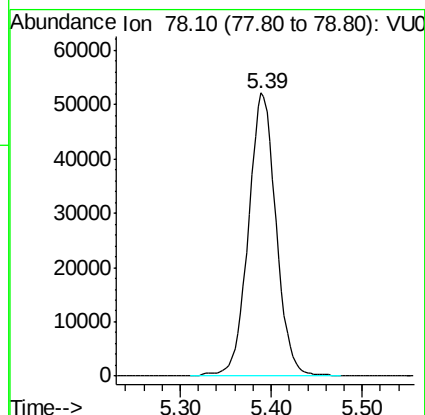
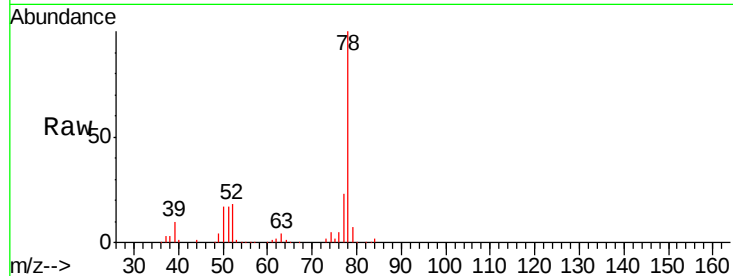




#33
Benzene
Concen: 2.38 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028169.D
Acq: 15 Nov 2018 14:16

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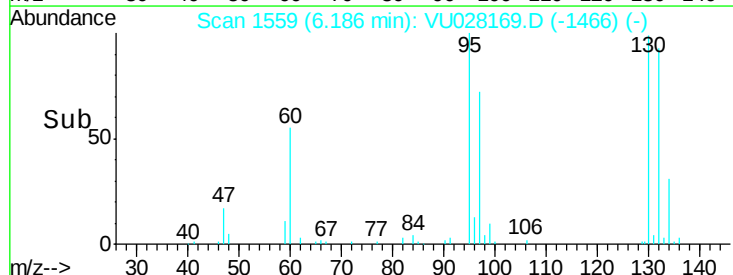
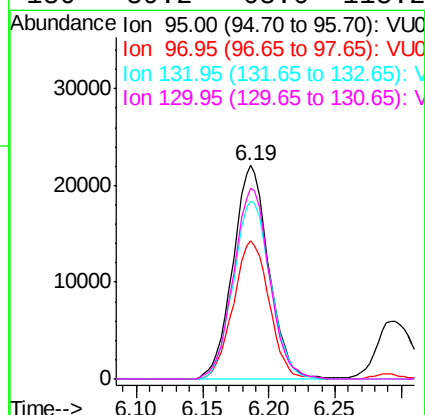
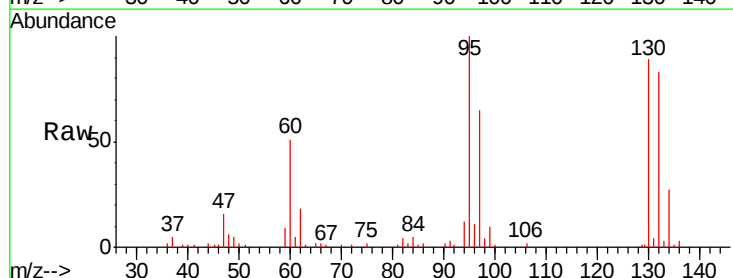
Tgt Ion: 78 Resp: 110201

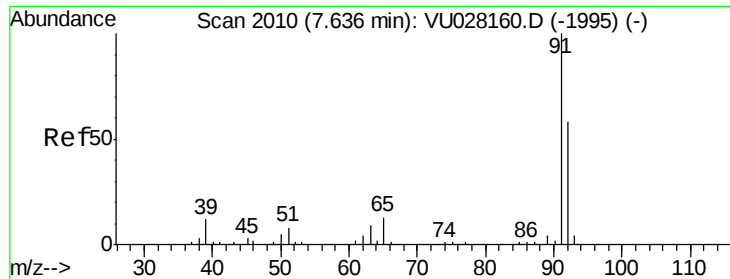


#34
Trichloroethene
Concen: 3.62 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028169.D
Acq: 15 Nov 2018 14:16

Tgt Ion: 95 Resp: 41528

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.3	84.1
132	83.3	63.0	117.0
130	89.2	63.6	118.2





#42

Toluene

Concen: 5.93 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

Instrument :

MSVOA_U

ClientSampleId :

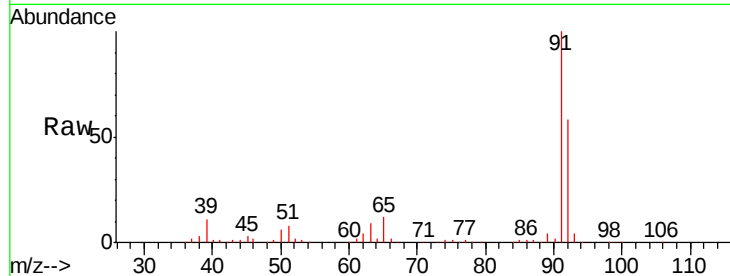
H0FH1RE

Tgt Ion: 91 Resp: 283533

Ion Ratio Lower Upper

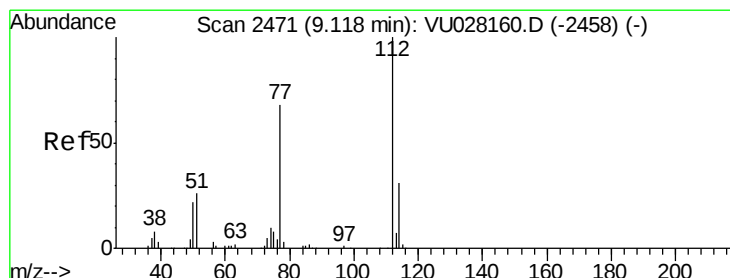
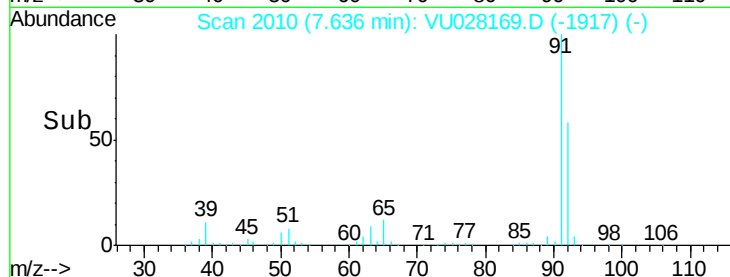
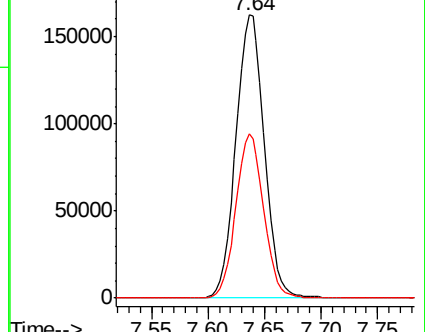
91 100

92 58.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#51

Chlorobenzene

Concen: 0.11 ug/L

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

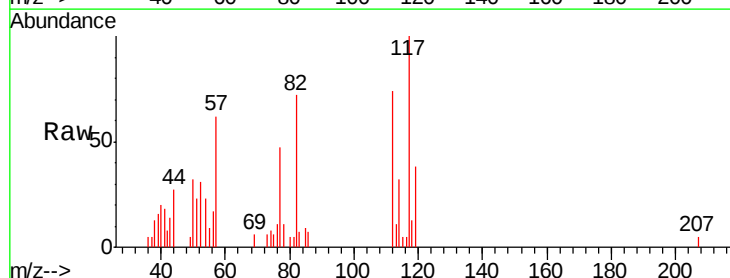
Tgt Ion: 112 Resp: 3131

Ion Ratio Lower Upper

112 100

114 42.9 22.5 41.7#

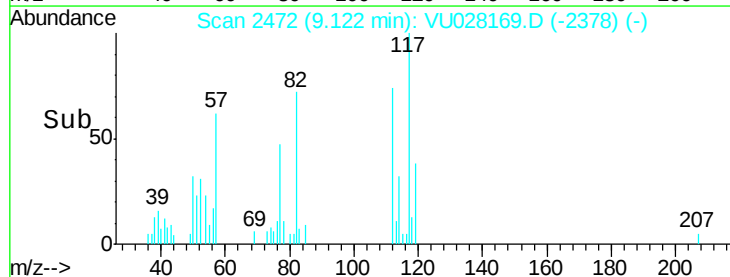
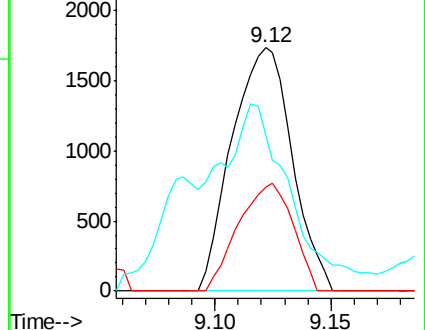
77 63.7 51.3 76.9

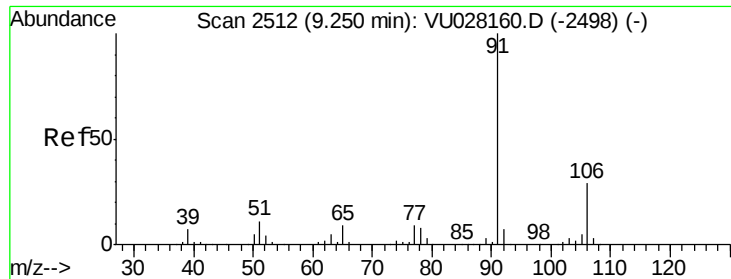


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0





#52

Ethylbenzene

Concen: 1.16 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

Instrument :

MSVOA_U

ClientSampleId :

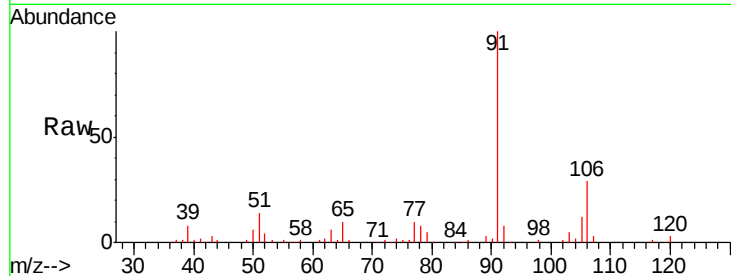
H0FH1RE

Tgt Ion: 91 Resp: 60717

Ion Ratio Lower Upper

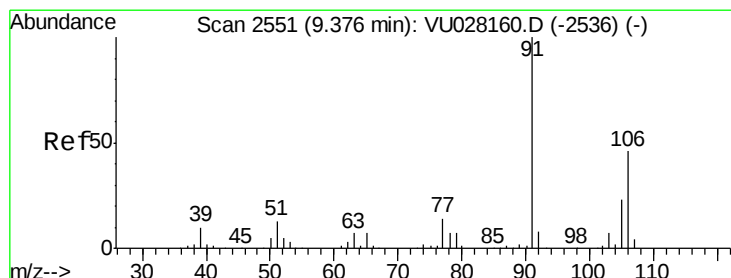
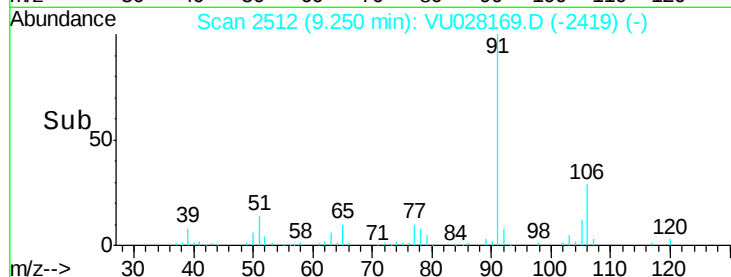
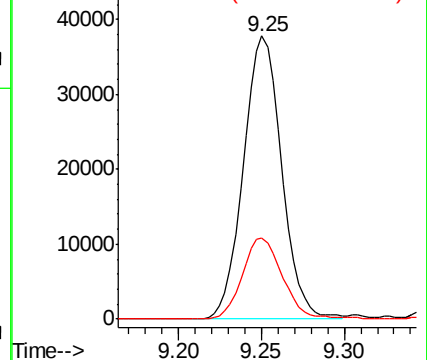
91 100

106 28.8 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 2.00 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028169.D

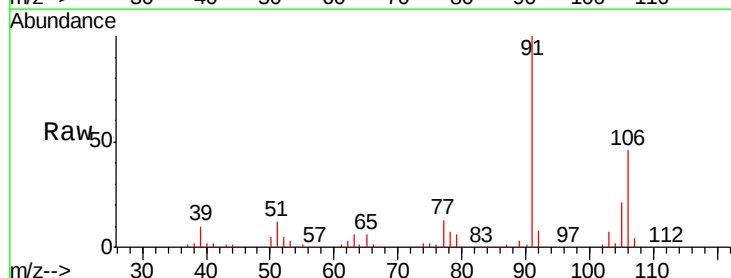
Acq: 15 Nov 2018 14:16

Tgt Ion: 106 Resp: 38012

Ion Ratio Lower Upper

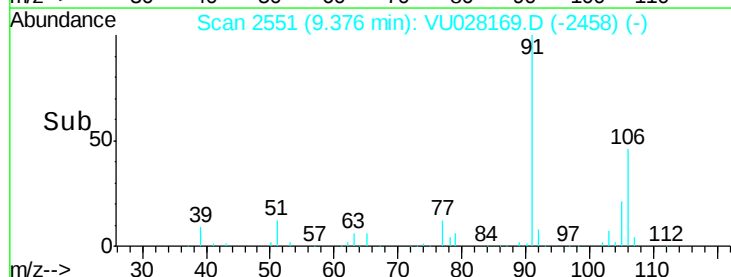
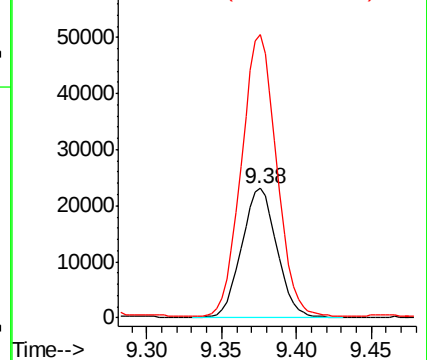
106 100

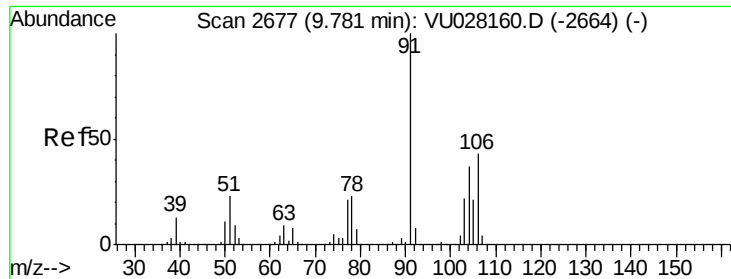
91 218.4 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#54

o-xylene

Concen: 2.49 ug/L

RT: 9.78 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

Instrument :

MSVOA_U

ClientSampleId :

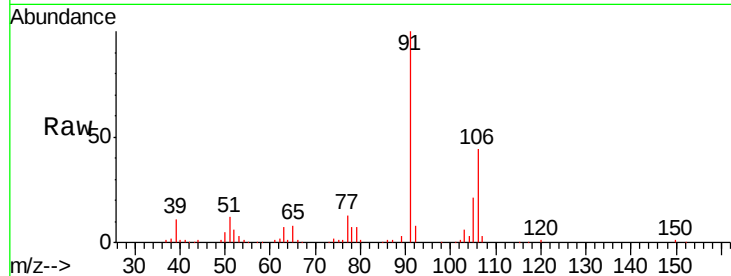
H0FH1RE

Tgt Ion:106 Resp: 45609

Ion Ratio Lower Upper

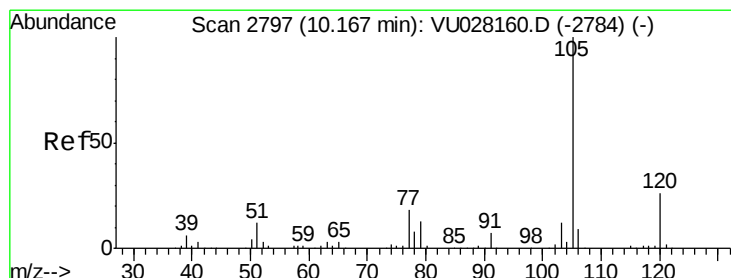
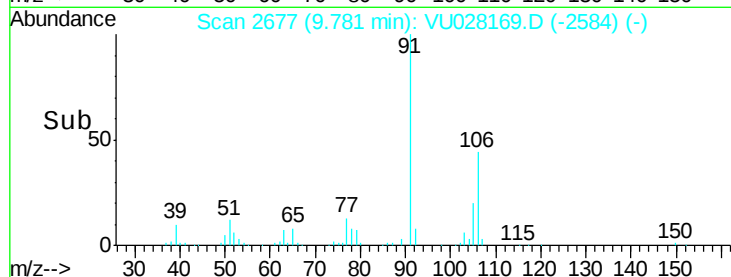
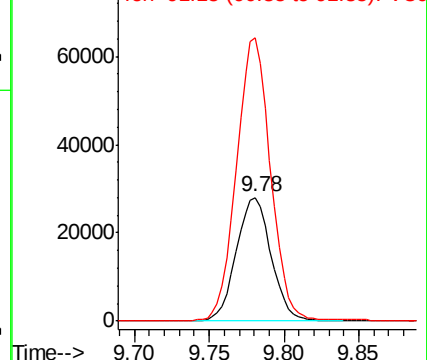
106 100

91 229.0 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#56

Isopropylbenzene

Concen: 1.07 ug/L

RT: 10.12 min Scan# 2784

Delta R.T. -0.04 min

Lab File: VU028169.D

Acq: 15 Nov 2018 14:16

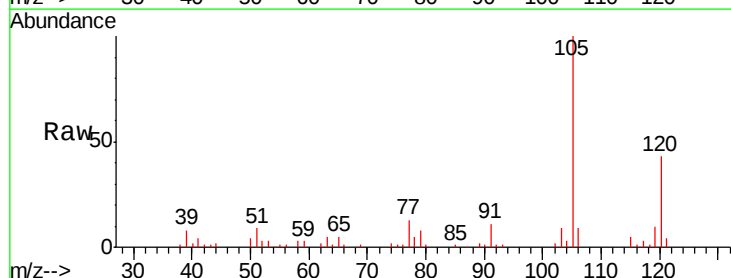
Tgt Ion:105 Resp: 53128

Ion Ratio Lower Upper

105 100

120 41.2 20.5 30.7#

77 12.9 13.3 19.9#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0

