

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028141.D
 Acq On : 15 Nov 2018 00:07
 Operator : MD/SY
 Sample : J5943-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH1

Quant Time: Nov 21 07:28:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 06:14:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	132720	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127355	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60518	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48667	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	1.68	69	43062	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.40%
11) 1,1-Dichloroethene-d2	2.28	63	68838	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.21	46	176087	55.13	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.26%
24) Chloroform-d	4.65	84	85569	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.31	65	49474	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	5.34	84	173525	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.33	67	67629	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.57	98	154345	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.85	79	20030	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.31	63	137006	51.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	46972	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	56232	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	94103	6.620	ug/L 100
8) Chloroethane	1.70	64	13555	1.584	ug/L 92
13) Acetone	2.34	43	8080	3.756	ug/L 98
18) trans-1,2-Dichloroethene	2.98	96	64883	6.916	ug/L 98
19) 1,1-Dichloroethane	3.45	63	23922	1.212	ug/L 97
21) 2-Butanone	4.30	43	18497	5.448	ug/L 99
22) cis-1,2-Dichloroethene	4.23	96	122468	11.839	ug/L 94
27) 1,2-Dichloroethane	5.41	62	6434	0.553	ug/L # 89
33) Benzene	5.39	78	119152	2.777	ug/L 100
34) Trichloroethene	6.19	95	42038	3.964	ug/L 97
42) Toluene	7.64	91	309433	6.995	ug/L 99
51) Chlorobenzene	9.12	112	3911	0.151	ug/L 97
52) Ethylbenzene	9.25	91	65687	1.360	ug/L 98
53) m,p-xylene	9.38	106	41847	2.379	ug/L 96
54) o-xylene	9.78	106	47513	2.805	ug/L 95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Nov 15 06:14:20 2018
Response via : Initial Calibration

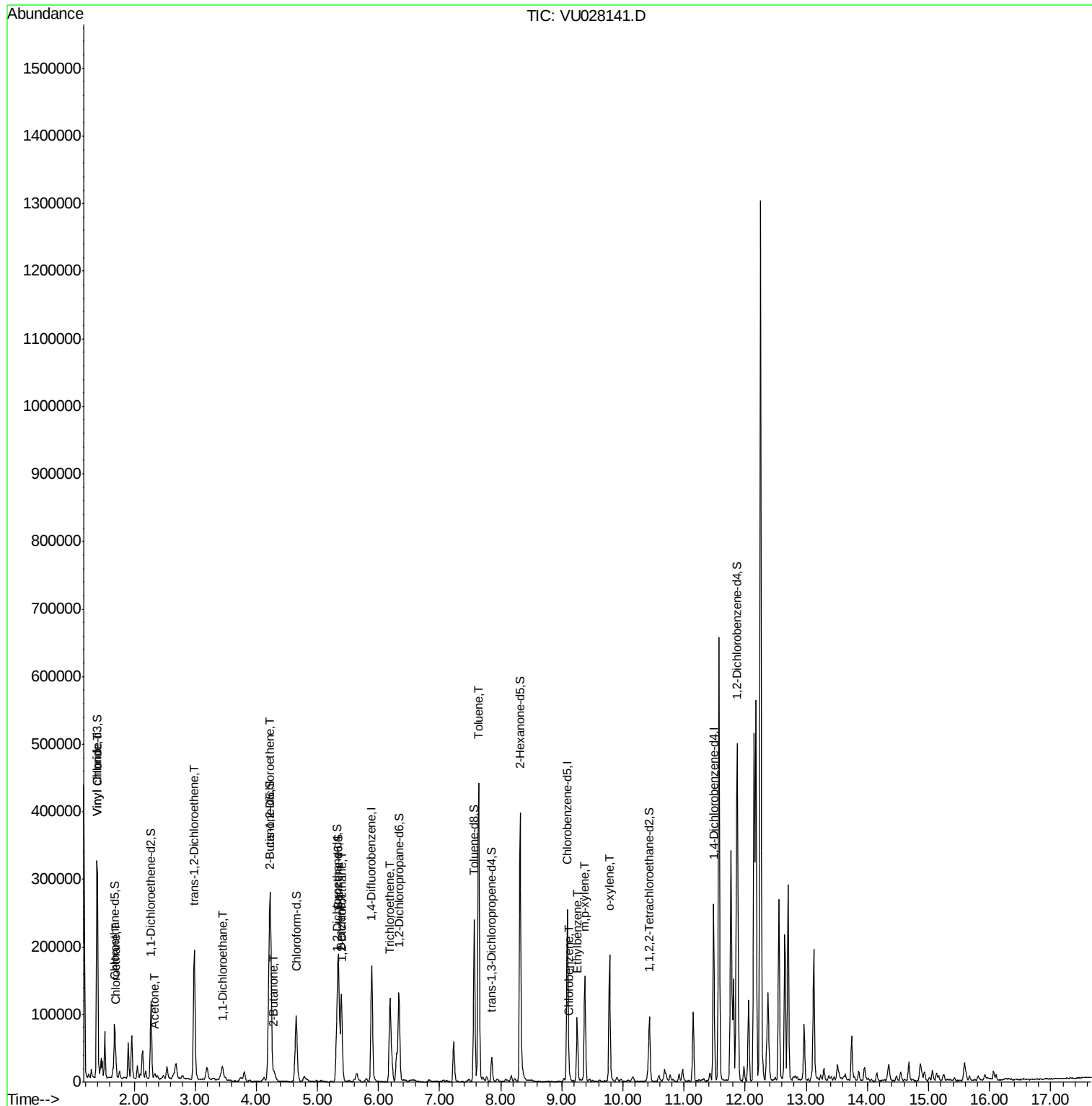
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

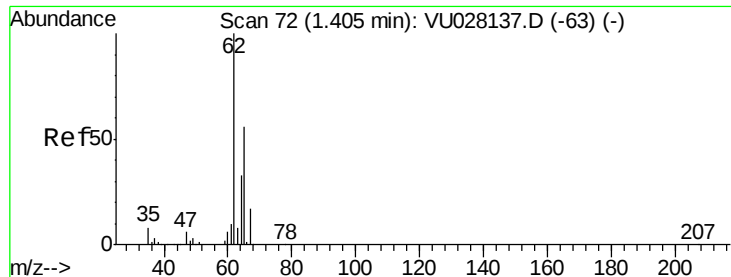
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 6.620 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

Instrument :

MSVOA_U

ClientSampleId :

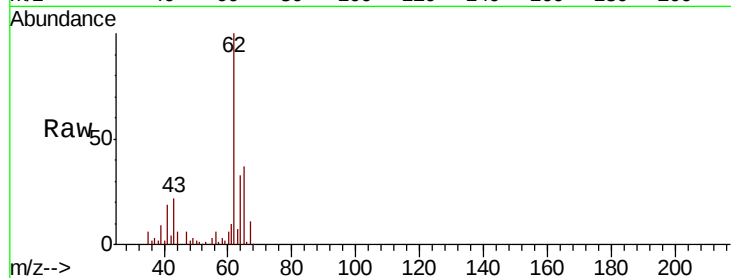
H0FH1

Tot Ion: 62 Resp: 94103

Ion Ratio Lower Upper

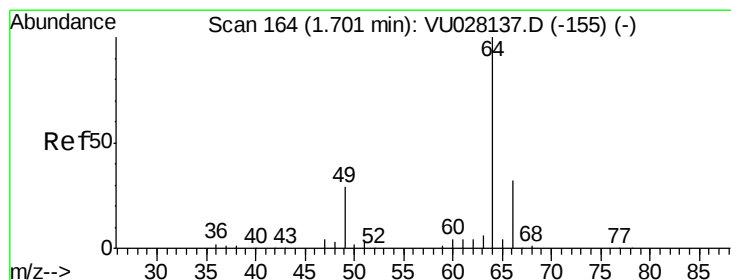
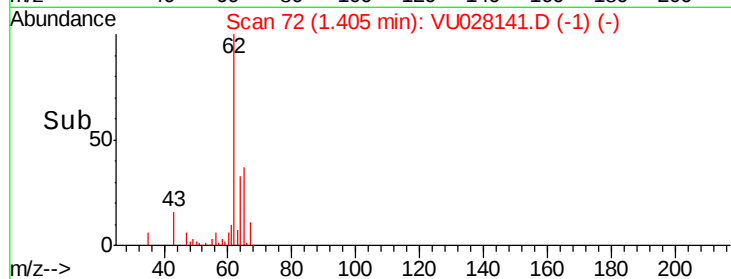
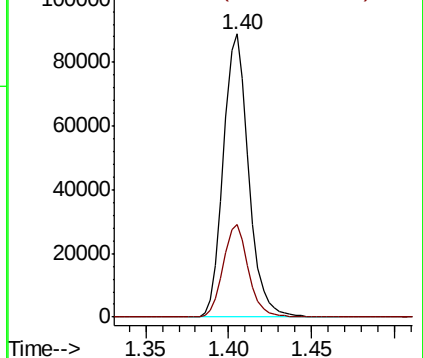
62 100

64 32.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 1.584 ug/L

RT: 1.70 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU028141.D

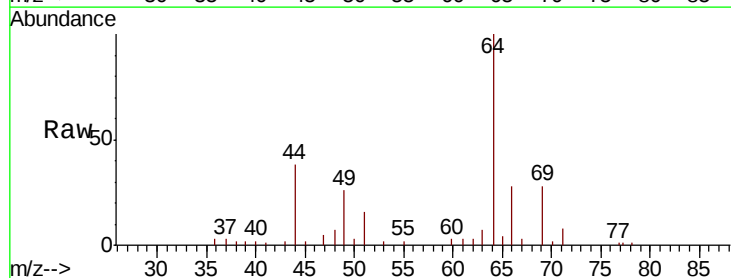
Acq: 15 Nov 2018 00:07

Tgt Ion: 64 Resp: 13555

Ion Ratio Lower Upper

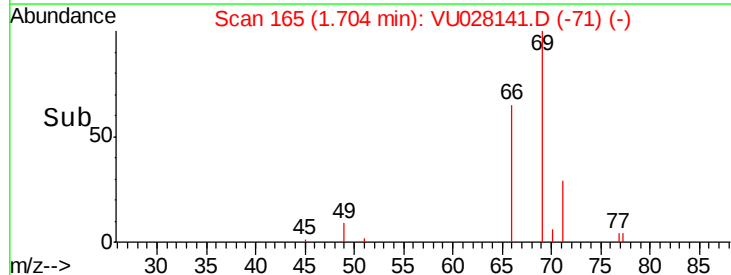
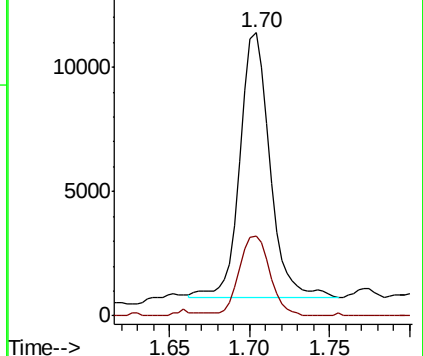
64 100

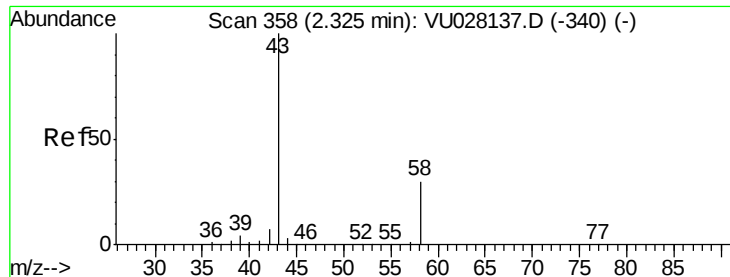
66 28.3 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 3.756 ug/L

RT: 2.34 min Scan# 363

Delta R.T. 0.02 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

Instrument :

MSVOA_U

ClientSampleId :

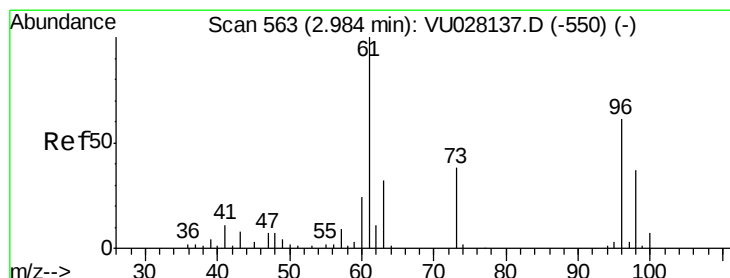
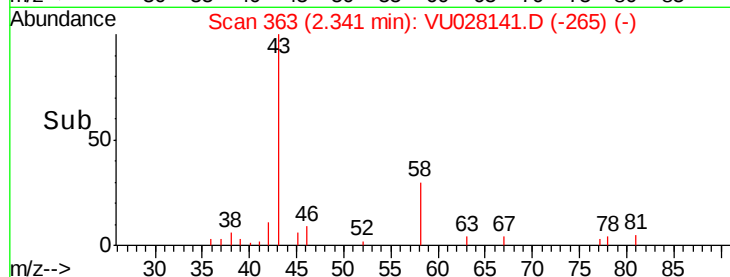
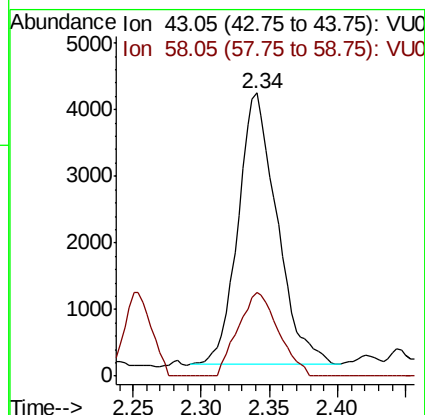
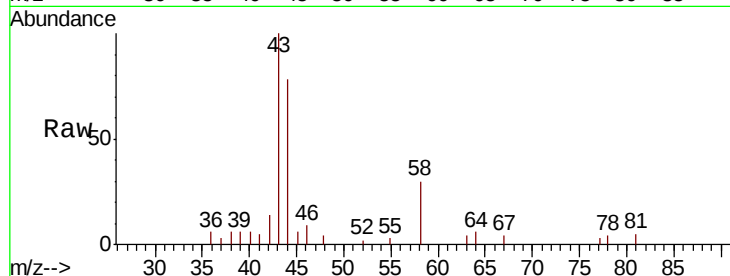
H0FH1

Tot Ion: 43 Resp: 8080

Ion Ratio Lower Upper

43 100

58 32.0 0.0 61.6



#18

trans-1,2-Dichloroethene

Concen: 6.916 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

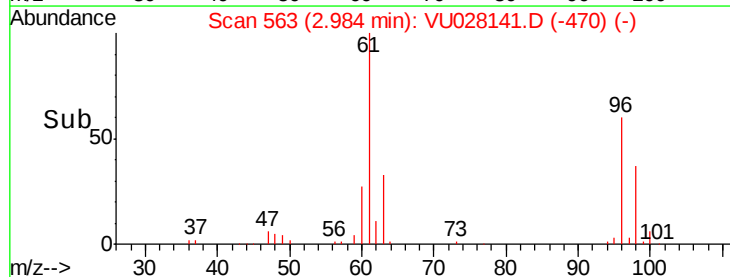
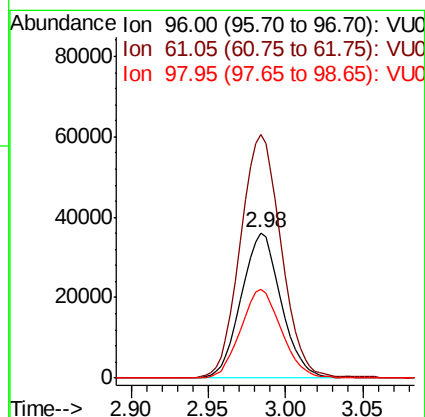
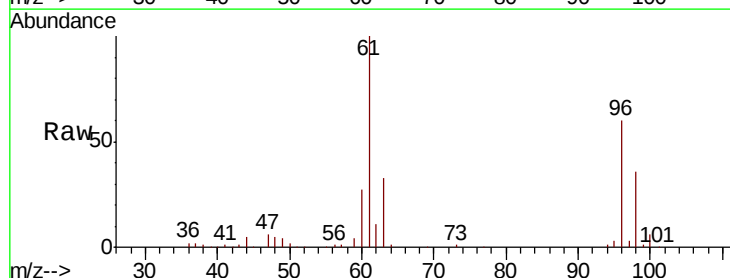
Tgt Ion: 96 Resp: 64883

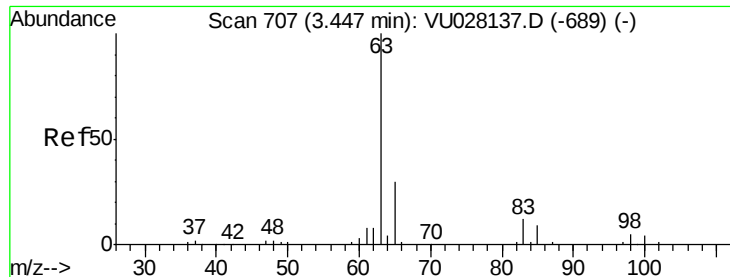
Ion Ratio Lower Upper

96 100

61 167.5 118.5 220.1

98 61.0 44.9 83.5





#19

1,1-Dichloroethane

Concen: 1.212 ug/L

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

Instrument :

MSVOA_U

ClientSampled :

H0FH1

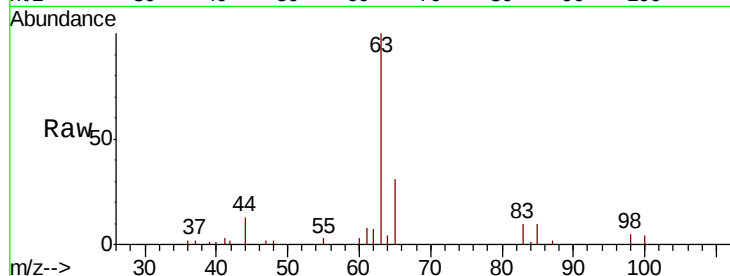
Tot Ion: 63 Resp: 23922

Ion Ratio Lower Upper

63 100

65 31.2 22.2 41.2

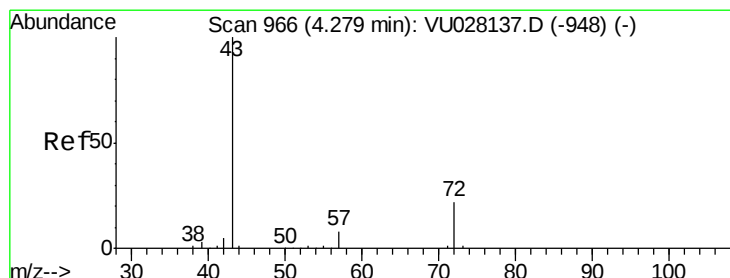
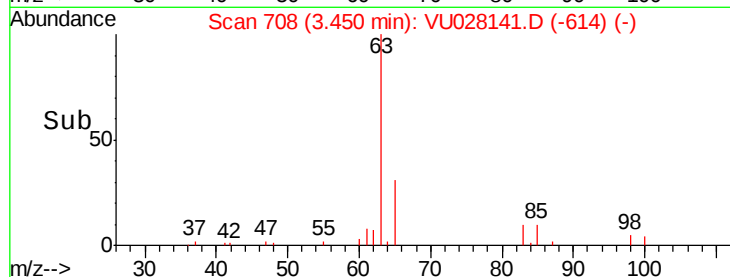
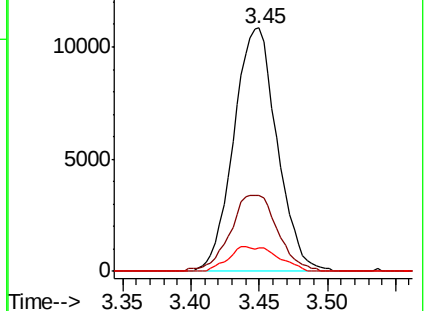
83 9.6 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



#21

2-Butanone

Concen: 5.448 ug/L

RT: 4.30 min Scan# 971

Delta R.T. 0.02 min

Lab File: VU028141.D

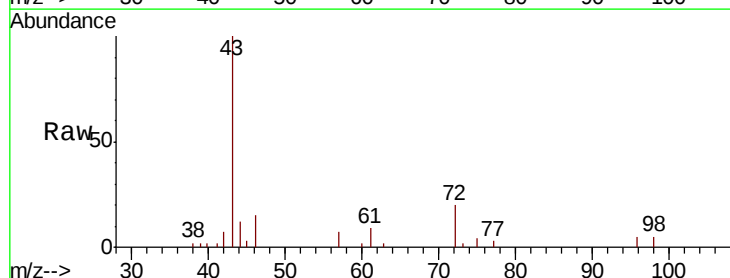
Acq: 15 Nov 2018 00:07

Tgt Ion: 43 Resp: 18497

Ion Ratio Lower Upper

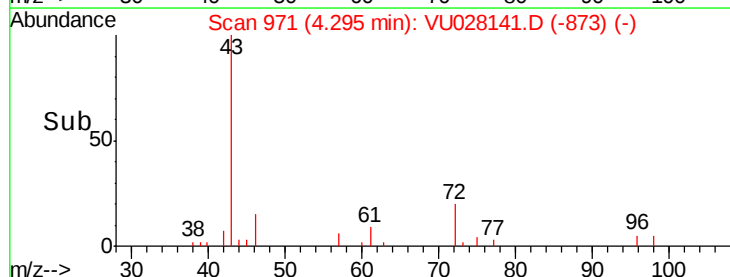
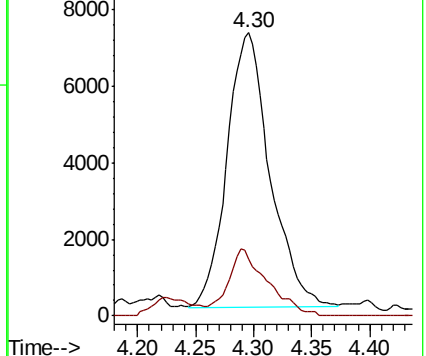
43 100

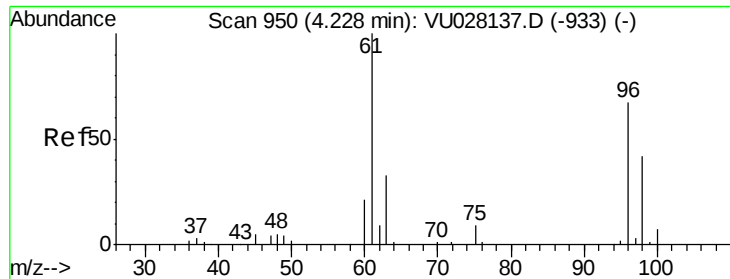
72 22.3 11.0 33.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 11.839 ug/L

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

Instrument :

MSVOA_U

ClientSampleId :

H0FH1

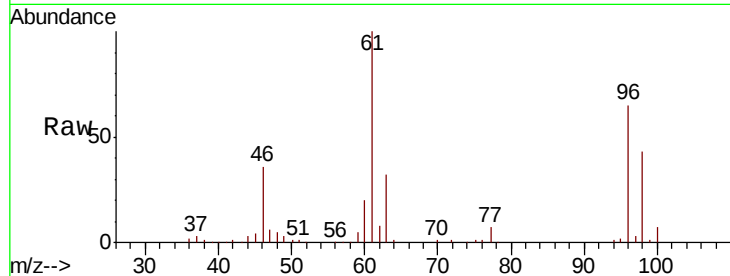
Tot Ion: 96 Resp: 122468

Ion Ratio Lower Upper

96 100

61 153.5 101.8 189.0

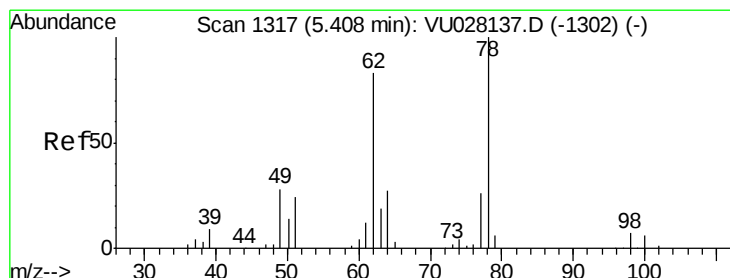
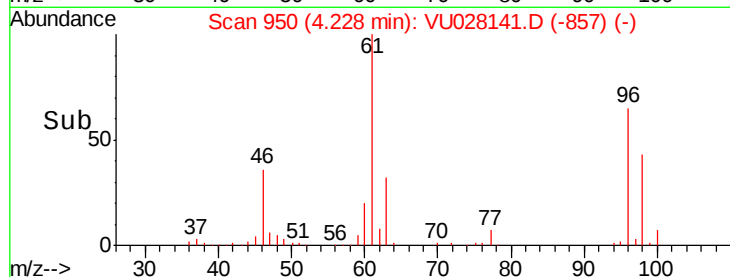
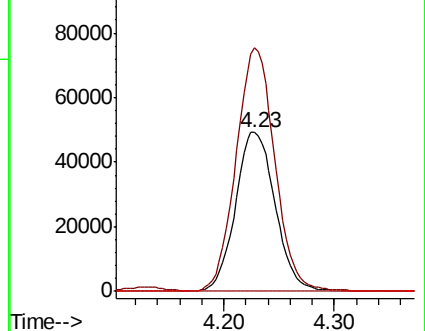
68 0.0 0.0 0.0



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: 0.553 ug/L

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU028141.D

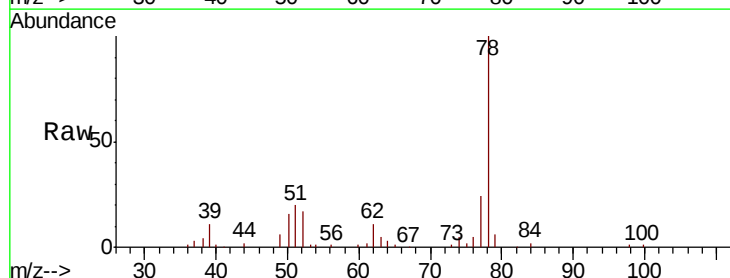
Acq: 15 Nov 2018 00:07

Tgt Ion: 62 Resp: 6434

Ion Ratio Lower Upper

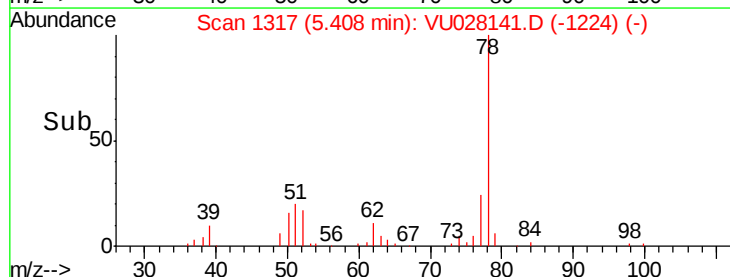
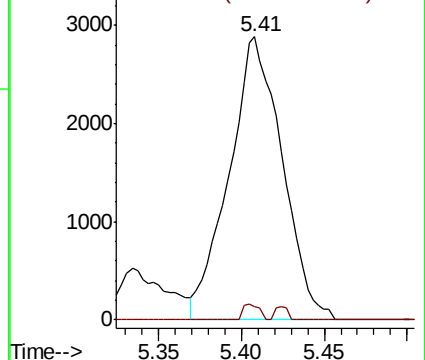
62 100

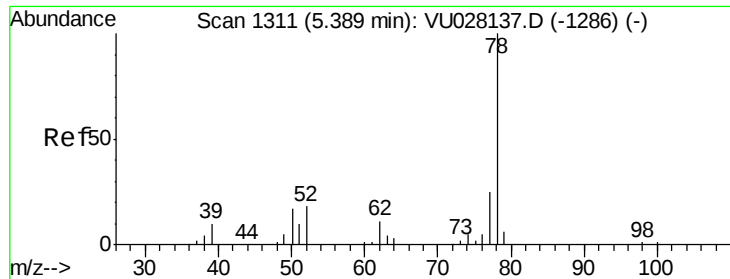
98 4.9 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.05 (97.75 to 98.75): VU0

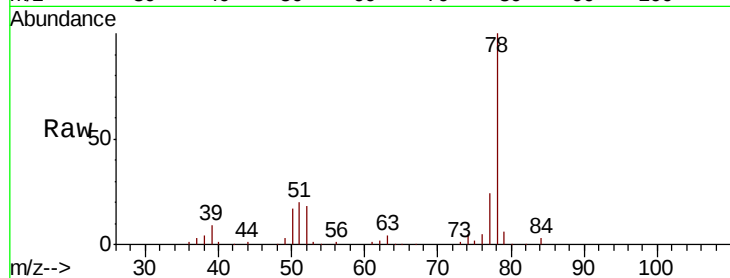




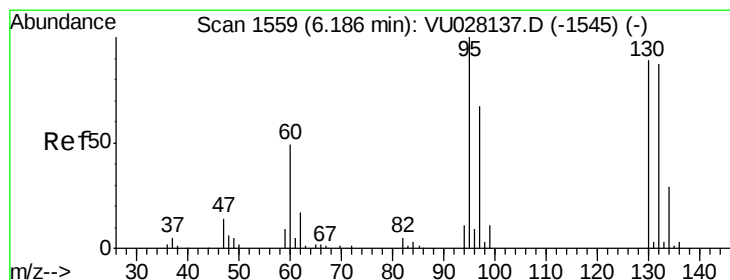
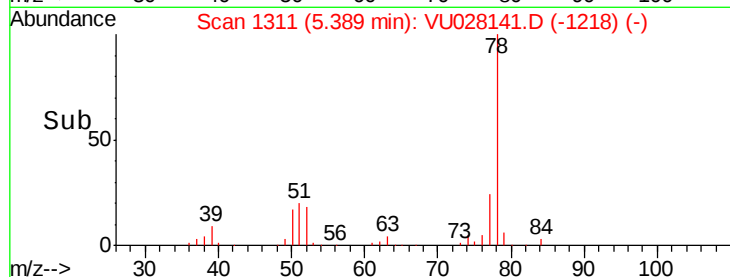
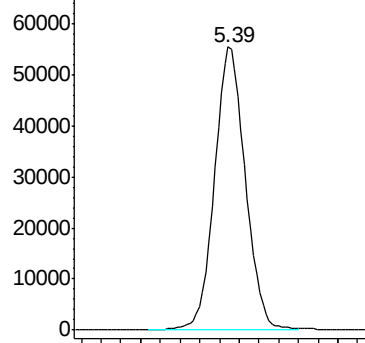
#33
Benzene
Concen: 2.777 ug/L
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Instrument :
MSVOA_U
ClientSampled :
H0FH1

Tgt Ion: 78 Resp: 119152



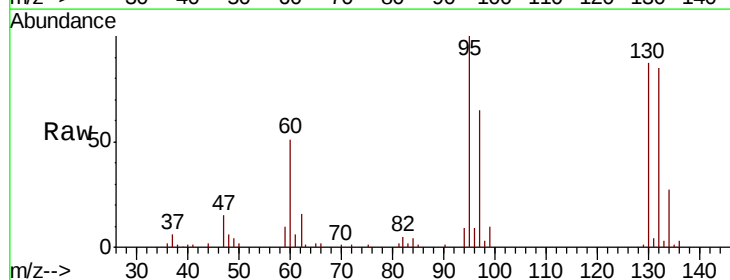
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 3.964 ug/L
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028141.D
Acq: 15 Nov 2018 00:07

Tgt Ion: 95 Resp: 42038

Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.3	84.1
132	85.2	63.0	117.0
130	87.1	63.6	118.2

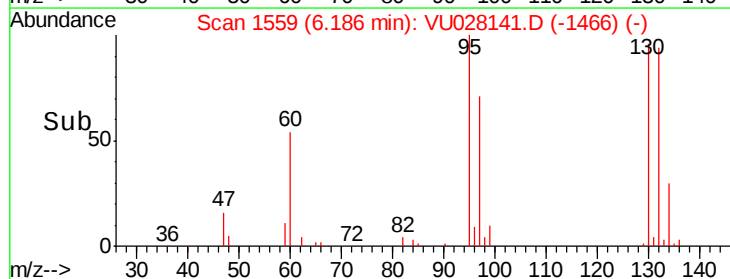
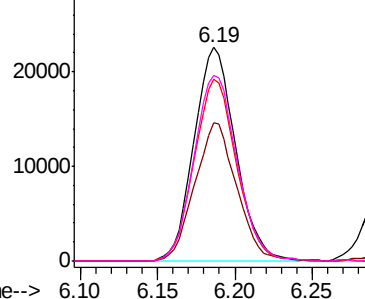


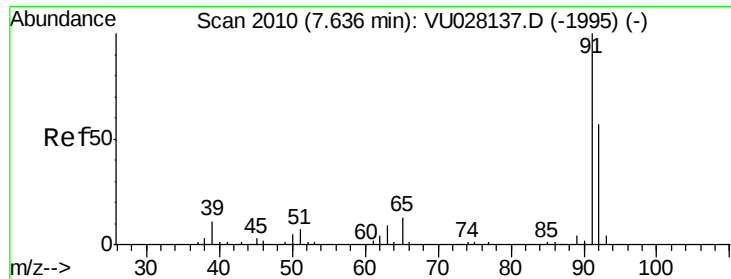
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 6.995 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

Instrument :

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ClientSampleId :

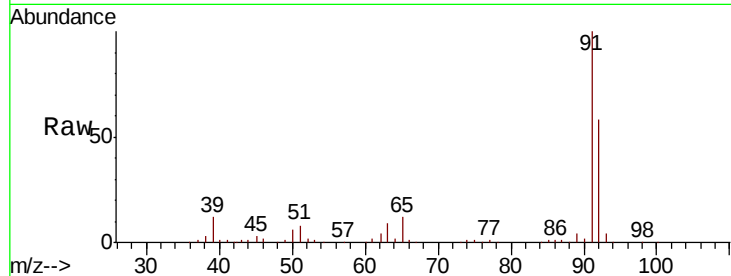
H0FH1

Tot Ion: 91 Resp: 309433

Ion Ratio Lower Upper

91 100

92 57.6 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU028137.D (-1995) (-)

Ion 92.15 (91.85 to 92.85): VU028137.D (-1995) (-)

7.64

200000

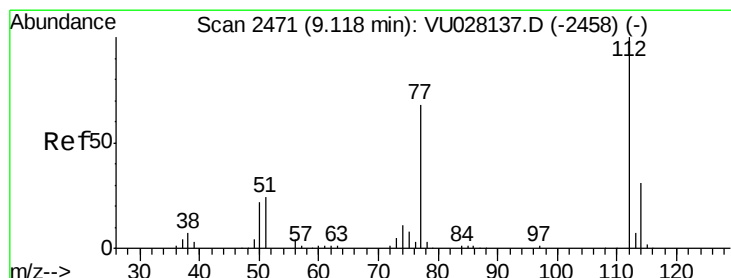
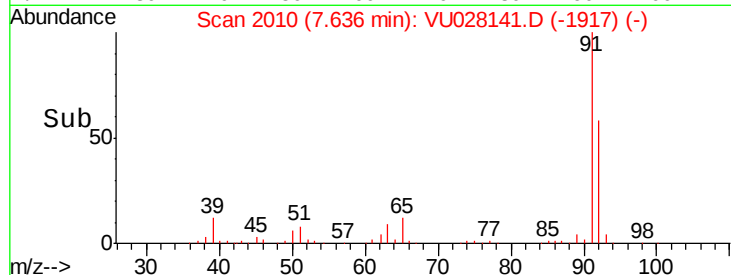
150000

100000

50000

0

Time-->



#51

Chlorobenzene

Concen: 0.151 ug/L

RT: 9.12 min Scan# 2473

Delta R.T. 0.01 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

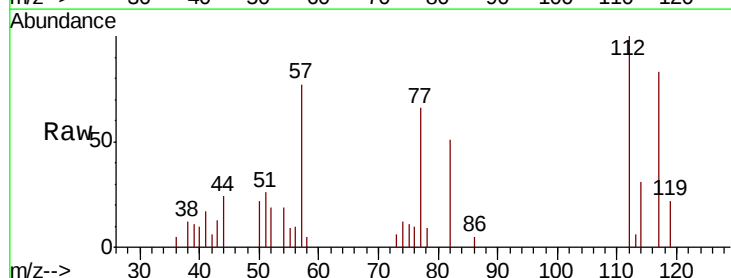
Tgt Ion: 112 Resp: 3911

Ion Ratio Lower Upper

112 100

114 31.0 22.5 41.7

77 66.4 51.3 76.9



Abundance Ion 112.10 (111.80 to 112.80): VU028137.D (-2458) (-)

Ion 114.05 (113.75 to 114.75): VU028137.D (-2458) (-)

Ion 77.10 (76.80 to 77.80): VU028137.D (-2458) (-)

9.12

3000

2500

2000

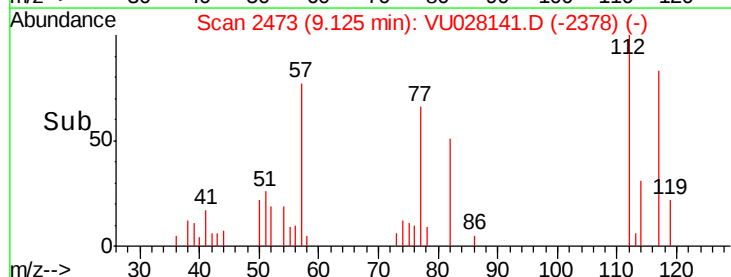
1500

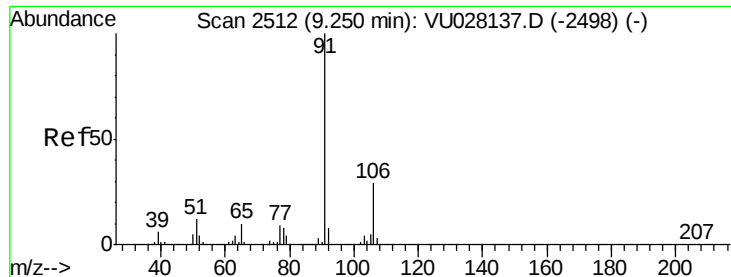
1000

500

0

Time-->





#52

Ethylbenzene

Concen: 1.360 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028141.D

Acq: 15 Nov 2018 00:07

Instrument :

MSVOA_U

ClientSampled :

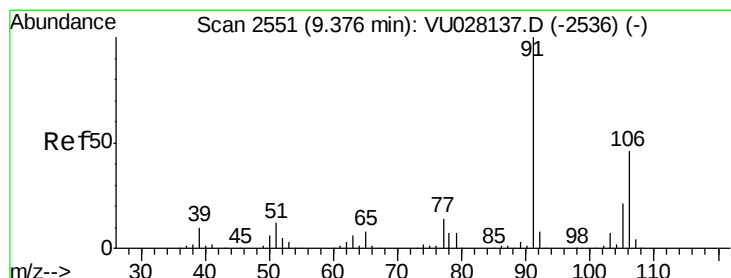
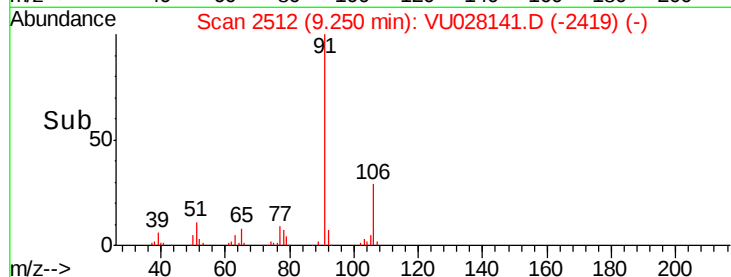
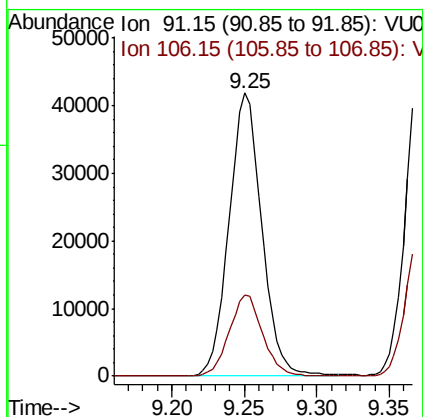
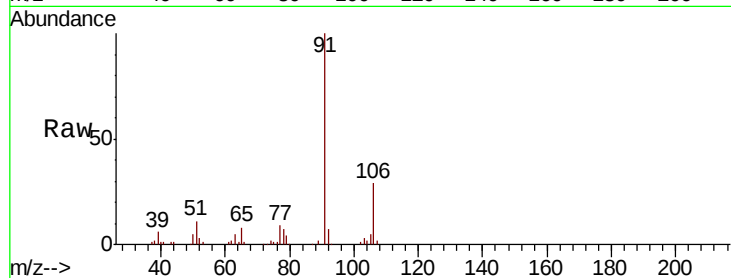
H0FH1

Tot Ion: 91 Resp: 65687

Ion Ratio Lower Upper

91 100

106 28.8 20.9 38.7



#53

m,p-xylene

Concen: 2.379 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028141.D

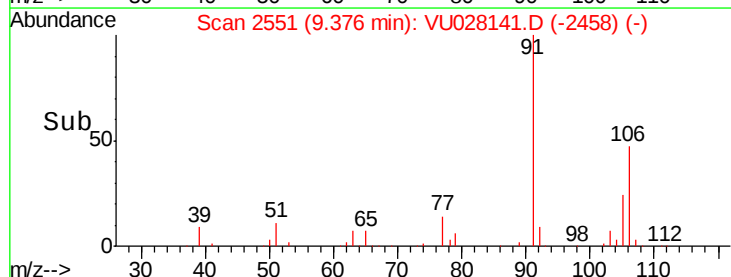
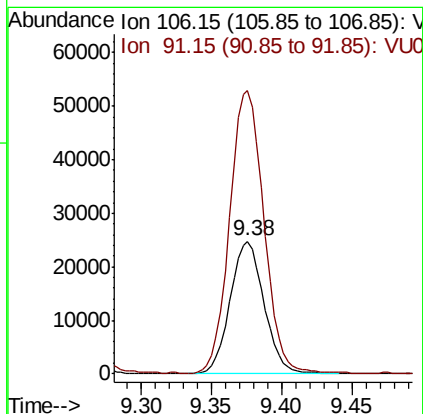
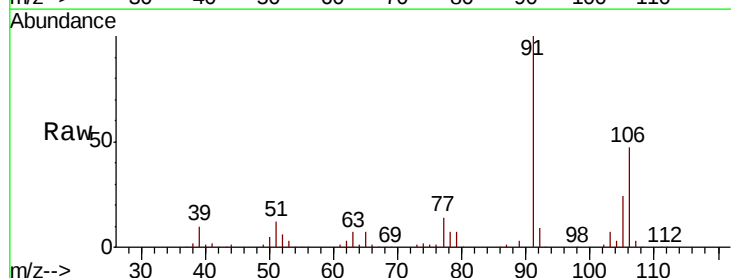
Acq: 15 Nov 2018 00:07

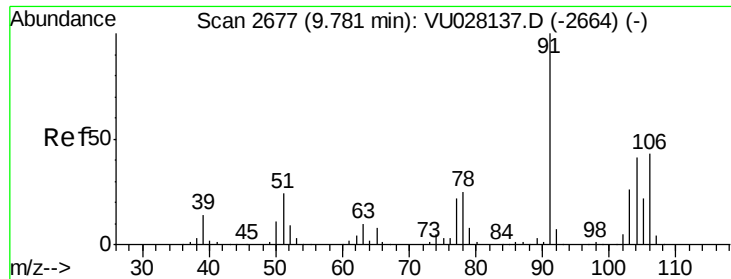
Tgt Ion: 106 Resp: 41847

Ion Ratio Lower Upper

106 100

91 213.7 145.7 270.7





#54
 o-xylene
 Concen: 2.805 ug/L
 RT: 9.78 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VU028141.D
 Acq: 15 Nov 2018 00:07

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH1

Tot Ion:106 Resp: 47513
 Ion Ratio Lower Upper
 106 100
 91 218.9 158.7 294.7

