

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028146.D
 Acq On : 15 Nov 2018 02:06
 Operator : MD/SY
 Sample : J5943-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FH7

Quant Time: Nov 15 07:45:27 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	142100	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	132917	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63219	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	56116	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.68	69	45761	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.27	63	79732	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.23	46	186302	54.47	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.94%
24) Chloroform-d	4.65	84	88743	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.31	65	51319	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.34	84	187058	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.33	67	70479	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.20%
41) Toluene-d8	7.57	98	166840	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
43) trans-1,3-Dichloropropene-	7.85	79	21362	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.32	63	146305	52.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.22%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	49294	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	58256	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

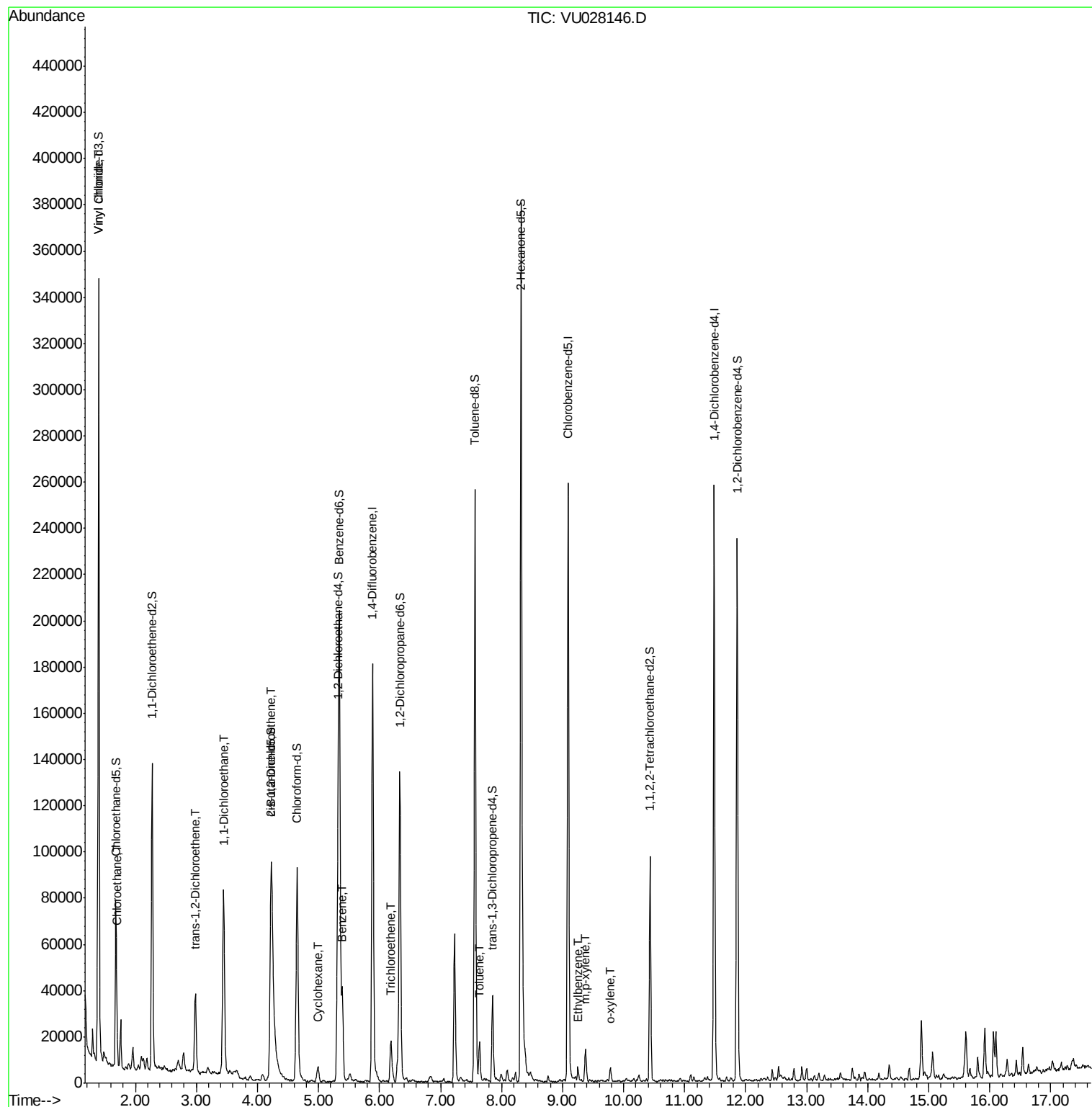
					Ovalue
5) Vinyl chloride	1.40	62	161070	10.582	ug/L 98
8) Chloroethane	1.70	64	5584	0.609	ug/L 91
18) trans-1,2-Dichloroethene	2.98	96	10862	1.081	ug/L 100
19) 1,1-Dichloroethane	3.45	63	87582	4.146	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	20396	1.842	ug/L 98
30) Cyclohexane	5.00	56	3525	0.167	ug/L 96
33) Benzene	5.39	78	37599	0.840	ug/L 100
34) Trichloroethene	6.19	95	6187	0.559	ug/L 93
42) Toluene	7.64	91	12837	0.278	ug/L 99
52) Ethylbenzene	9.25	91	4799	0.095	ug/L 100
53) m,p-xylene	9.38	106	4004	0.218	ug/L 98
54) o-xylene	9.79	106	1566	0.089	ug/L 98

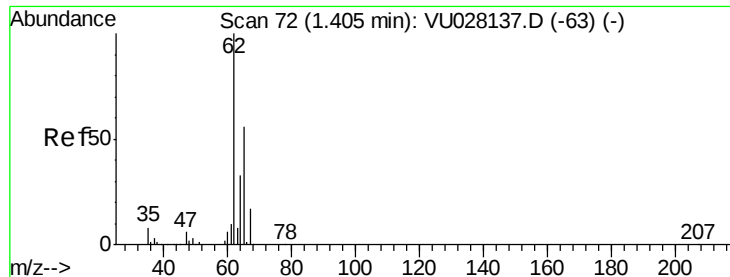
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#5

Vinyl chloride

Concen: 10.582 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

Instrument :

MSVOA_U

ClientSampled :

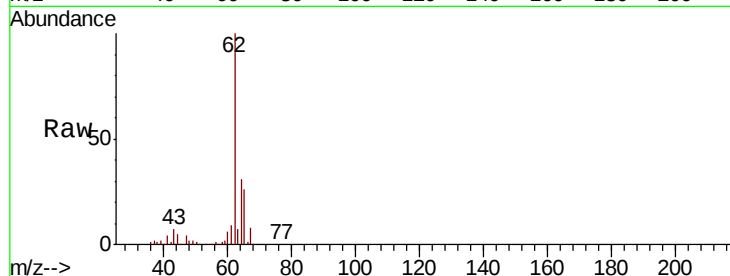
H0FH7

Tot Ion: 62 Resp: 161070

Ion Ratio Lower Upper

62 100

64 31.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

150000

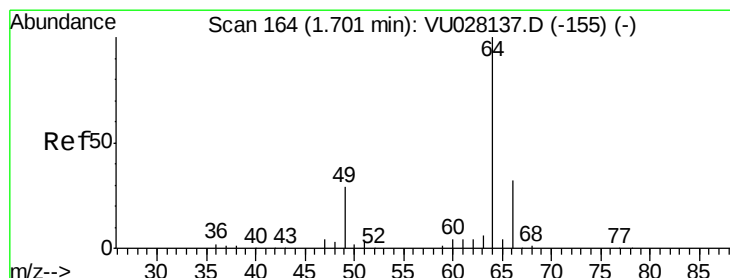
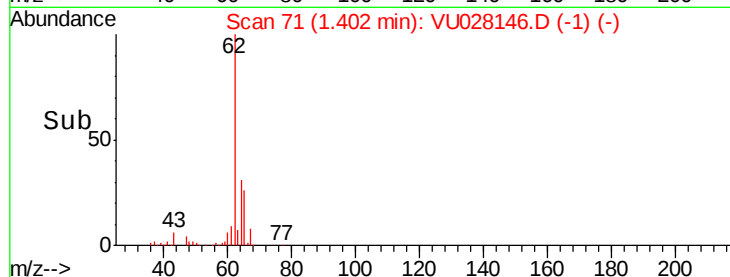
100000

50000

0

Time-->

1.35 1.40 1.45



#8

Chloroethane

Concen: 0.609 ug/L

RT: 1.70 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU028146.D

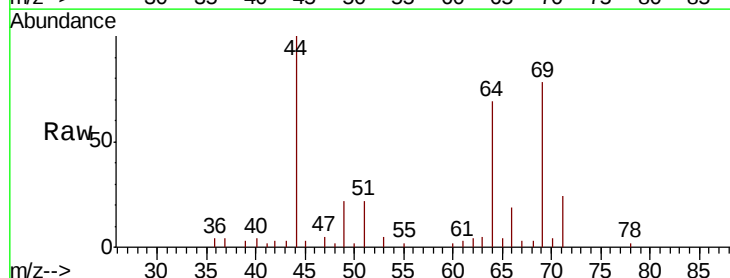
Acq: 15 Nov 2018 02:06

Tgt Ion: 64 Resp: 5584

Ion Ratio Lower Upper

64 100

66 27.7 23.1 42.9



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.70

5000

4000

3000

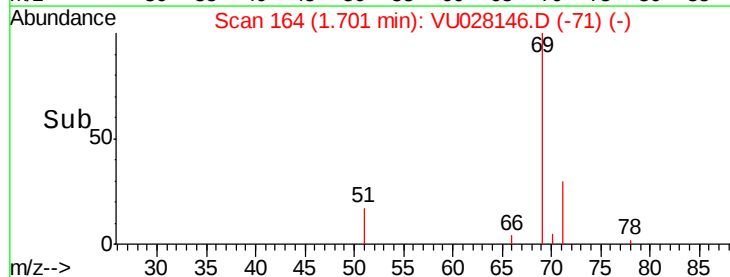
2000

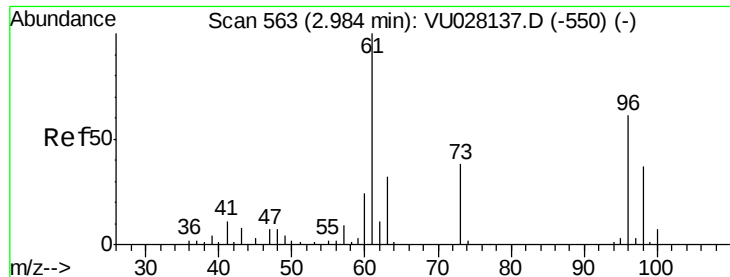
1000

0

Time-->

1.65 1.70 1.75

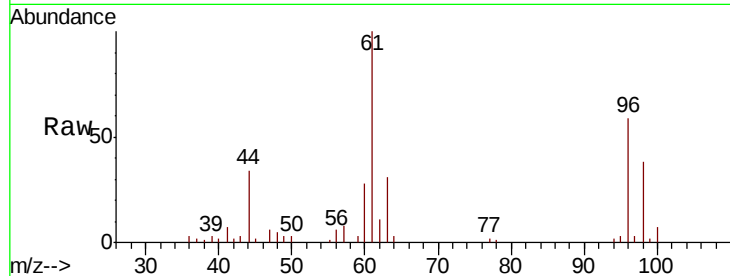




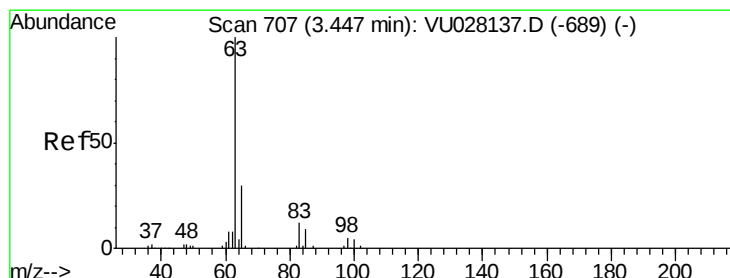
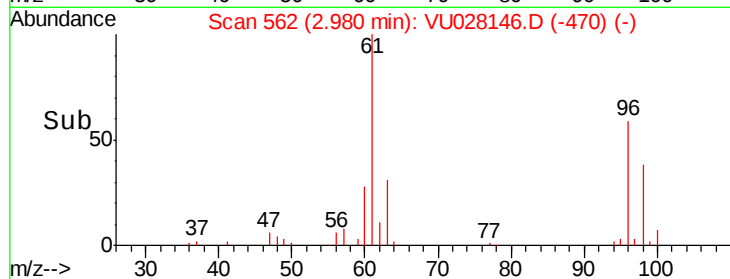
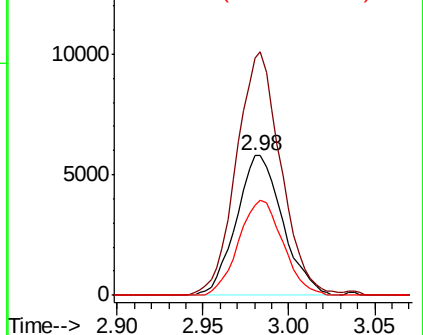
#18
trans-1,2-Dichloroethene
Concen: 1.081 ug/L
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028146.D
Acq: 15 Nov 2018 02:06

Instrument :
MSVOA_U
ClientSampled :
H0FH7

Tot Ion: 96 Resp: 10862
Ion Ratio Lower Upper
96 100
61 169.2 118.5 220.1
98 64.7 44.9 83.5

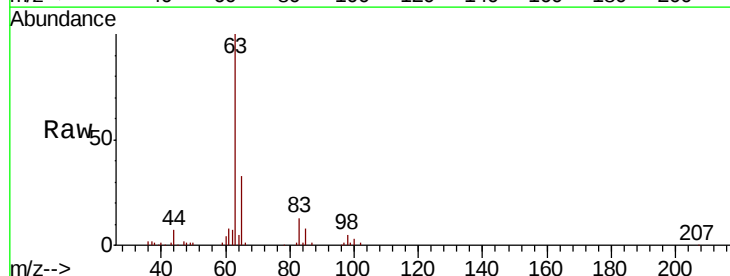


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

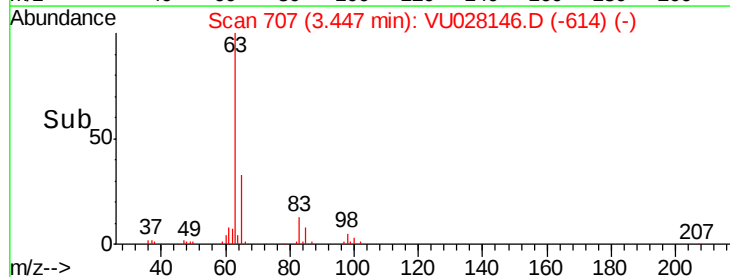
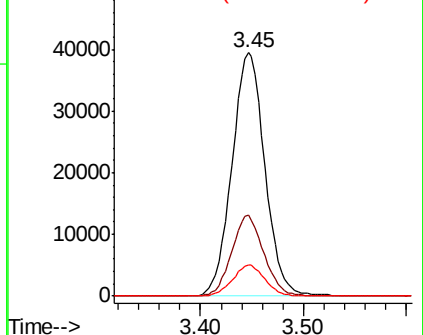


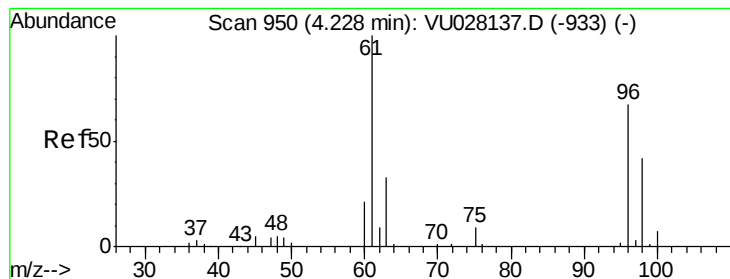
#19
1,1-Dichloroethane
Concen: 4.146 ug/L
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU028146.D
Acq: 15 Nov 2018 02:06

Tgt Ion: 63 Resp: 87582
Ion Ratio Lower Upper
63 100
65 33.2 22.2 41.2
83 12.9 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





#22

cis-1,2-Dichloroethene

Concen: 1.842 ug/L

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

Instrument :

MSVOA_U

ClientSampleId :

H0FH7

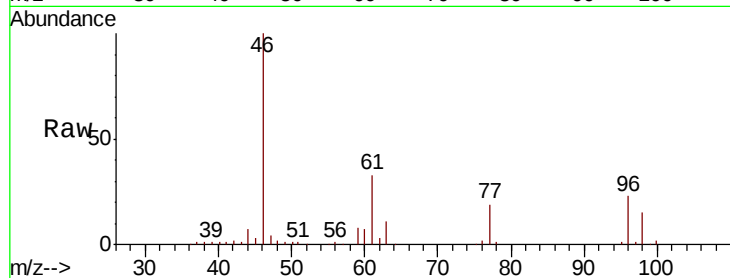
Tot Ion: 96 Resp: 20396

Ion Ratio Lower Upper

96 100

61 148.0 101.8 189.0

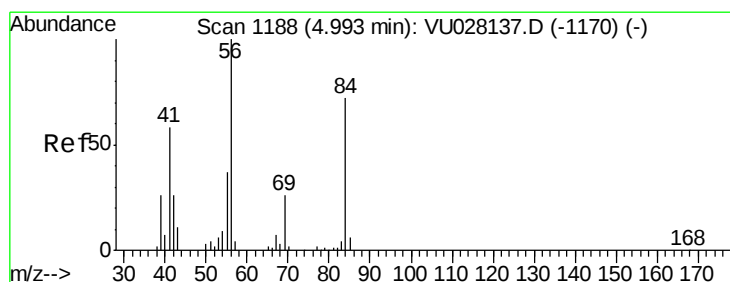
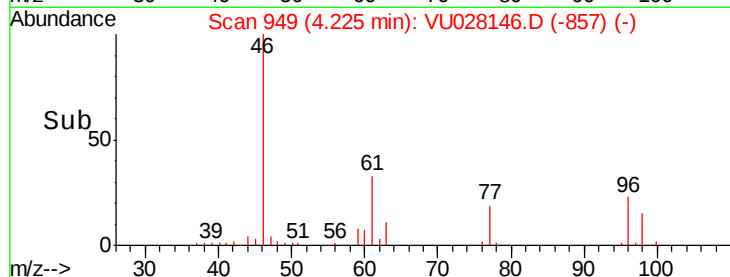
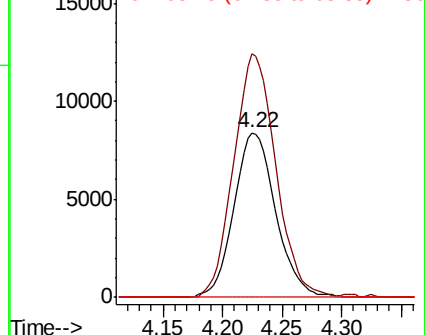
68 0.0 0.0 0.0



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



#30

Cyclohexane

Concen: 0.167 ug/L

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

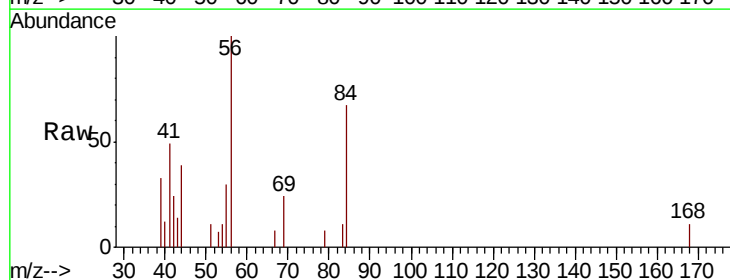
Tgt Ion: 56 Resp: 3525

Ion Ratio Lower Upper

56 100

69 30.0 22.6 33.8

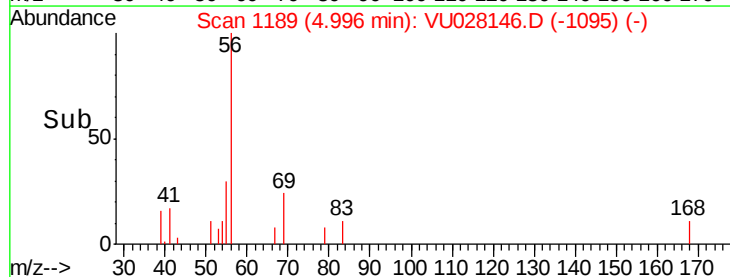
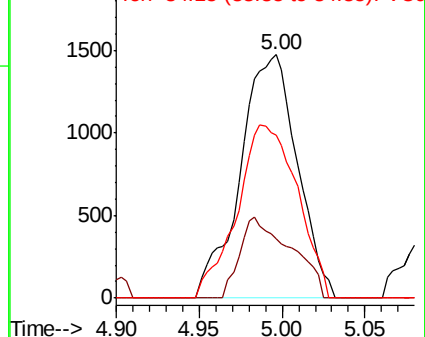
84 75.2 57.7 86.5

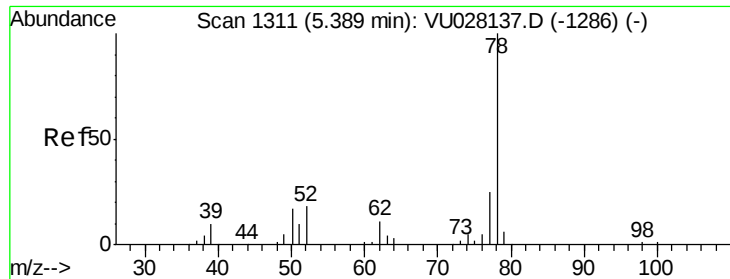


Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0





#33

Benzene

Concen: 0.840 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

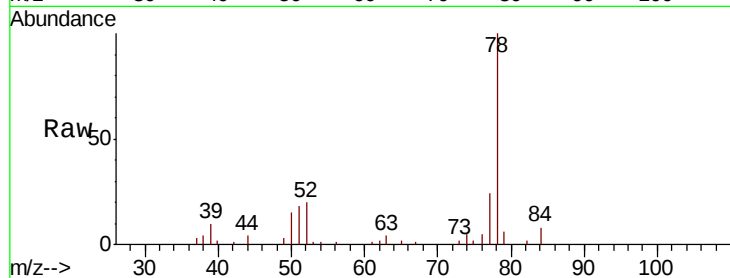
Instrument :

MSVOA_U

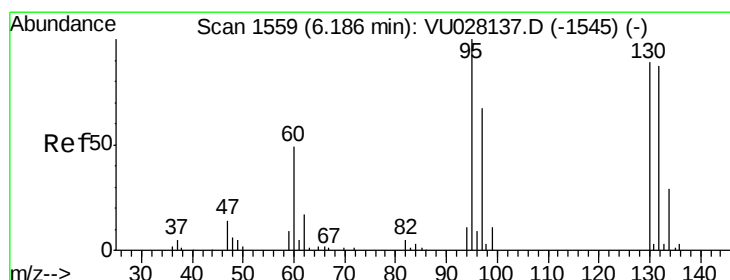
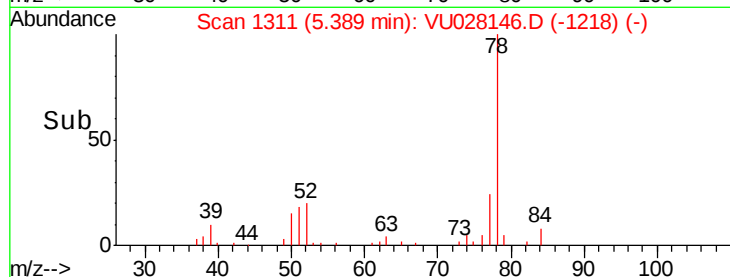
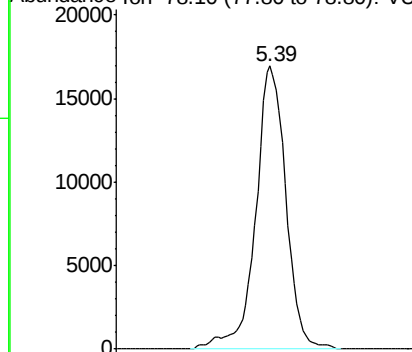
ClientSampled :

H0FH7

Tgt Ion: 78 Resp: 37599



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.559 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

Tgt Ion: 95 Resp: 6187

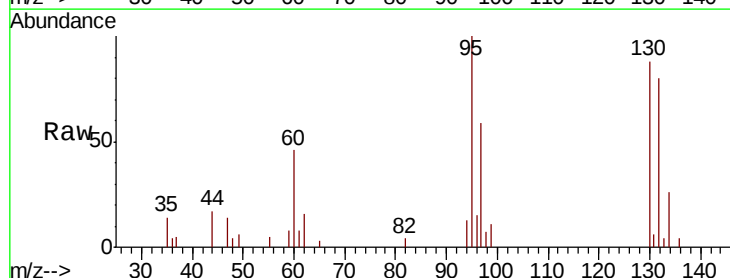
Ion	Ratio	Lower	Upper
95	100		
97	59.2	45.3	84.1
132	79.7	63.0	117.0
130	88.0	63.6	118.2

95 100

97 59.2 45.3 84.1

132 79.7 63.0 117.0

130 88.0 63.6 118.2

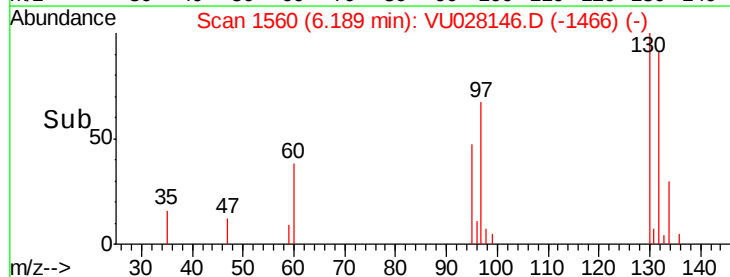
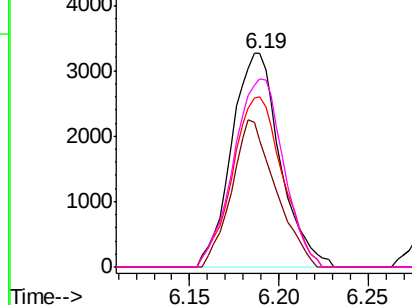


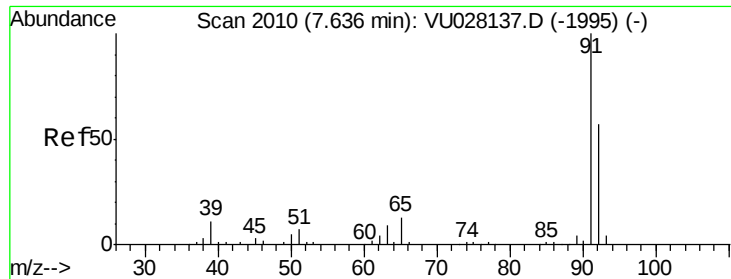
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.278 ug/L

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

Instrument :

MSVOA_U

ClientSampleId :

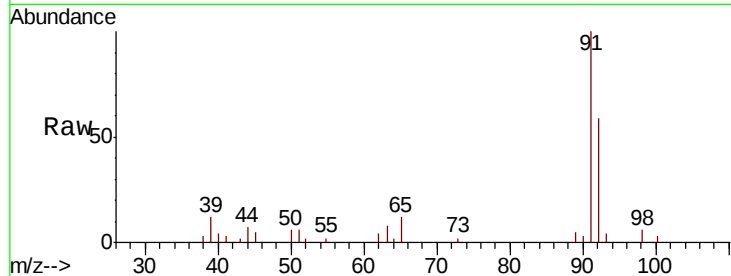
H0FH7

Tot Ion: 91 Resp: 12837

Ion Ratio Lower Upper

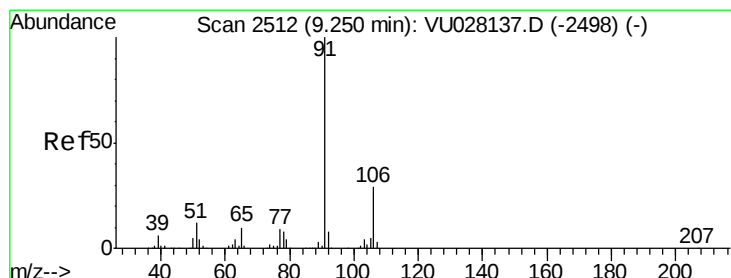
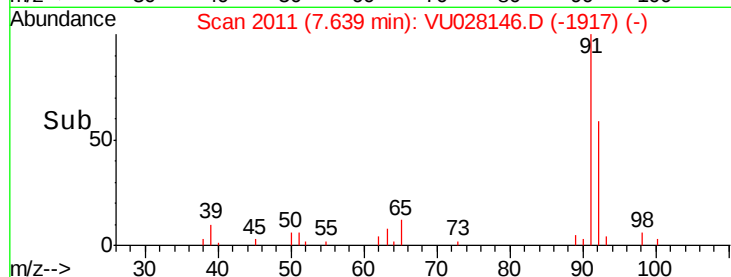
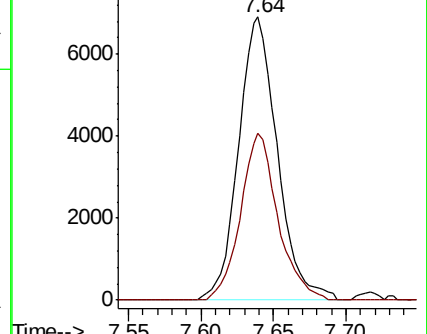
91 100

92 59.0 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#52

Ethylbenzene

Concen: 0.095 ug/L

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU028146.D

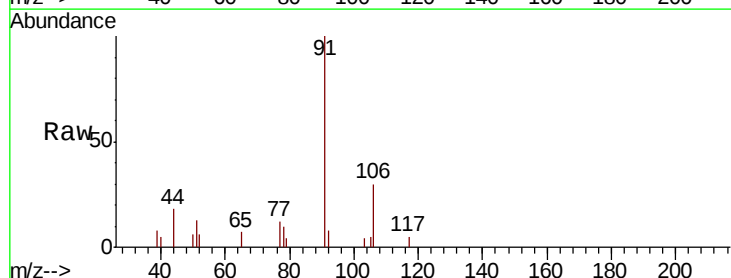
Acq: 15 Nov 2018 02:06

Tgt Ion: 91 Resp: 4799

Ion Ratio Lower Upper

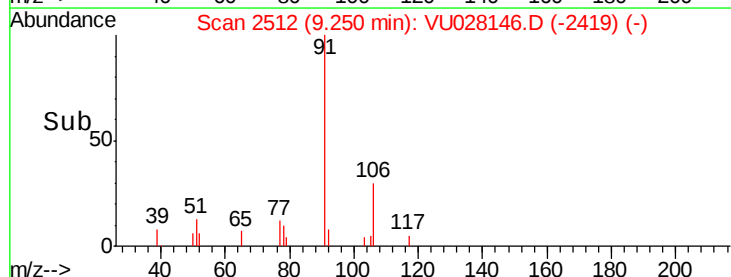
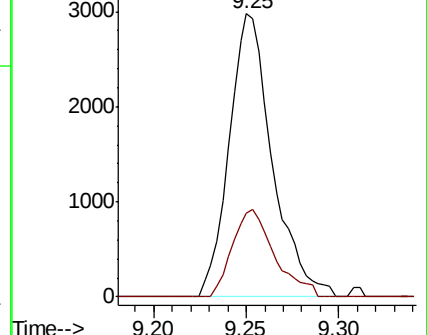
91 100

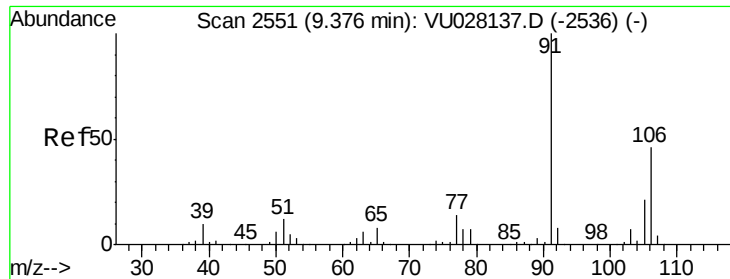
106 29.6 20.9 38.7



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V





#53

m,p-xylene

Concen: 0.218 ug/L

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU028146.D

Acq: 15 Nov 2018 02:06

Instrument :

MSVOA_U

ClientSampleId :

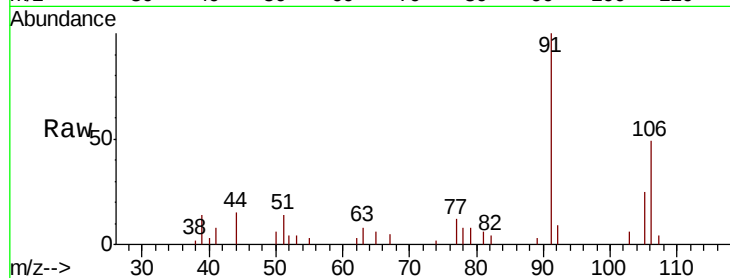
H0FH7

Tot Ion:106 Resp: 4004

Ion Ratio Lower Upper

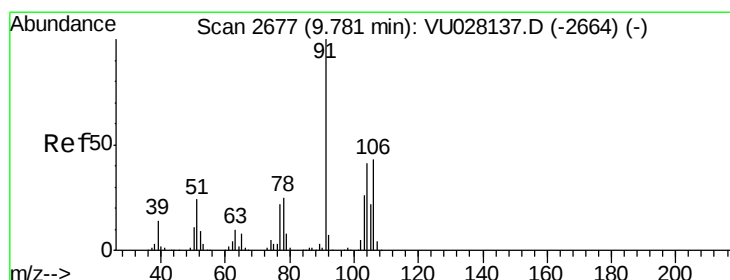
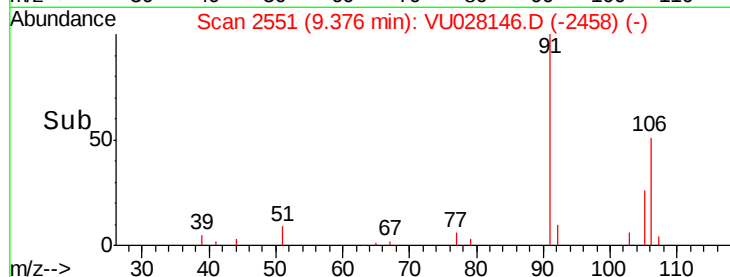
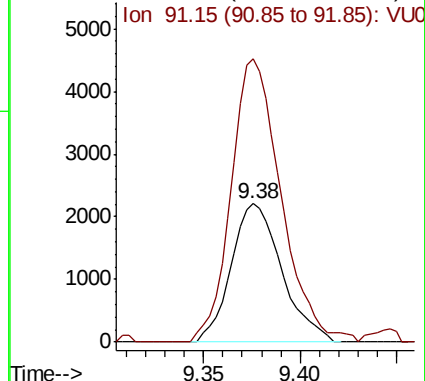
106 100

91 204.4 145.7 270.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-xylene

Concen: 0.089 ug/L

RT: 9.79 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VU028146.D

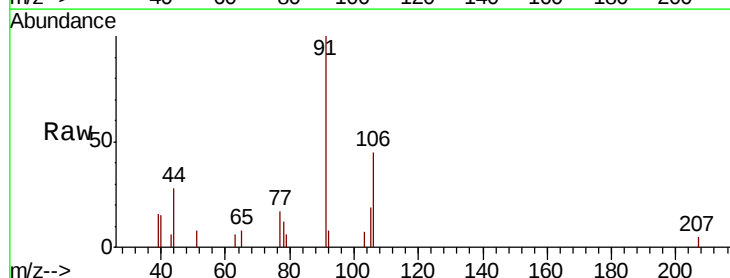
Acq: 15 Nov 2018 02:06

Tgt Ion:106 Resp: 1566

Ion Ratio Lower Upper

106 100

91 223.1 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

