

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028156.D
 Acq On : 15 Nov 2018 06:03
 Operator : MD/SY
 Sample : J5943-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0FP4

Manual Integrations
 APPROVED

MMDadoda
 11/15/2018 10:08:25 AM

Quant Time: Nov 15 08:23:10 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	129832	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	124565	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	60891	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59597	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.68	69	44514	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.28	63	74114	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.22	46	183638	58.77	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.54%
24) Chloroform-d	4.65	84	82538	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.31	65	48585	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.34	84	170686	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.33	67	65877	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.00%
41) Toluene-d8	7.57	98	151327	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.85	79	18269	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.32	63	139330	53.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.92%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	45837	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	53185	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	1803323	129.675	ug/L	97
13) Acetone	2.35	43	6642m	3.156	ug/L	
18) trans-1,2-Dichloroethene	2.98	96	24915	2.715	ug/L	98
19) 1,1-Dichloroethane	3.44	63	20804	1.078	ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	3050749	301.481	ug/L	97
30) Cyclohexane	4.99	56	5890	0.298	ug/L #	83
33) Benzene	5.39	78	47545	1.133	ug/L	100
34) Trichloroethene	6.19	95	22085	2.129	ug/L	98
35) Methylcyclohexane	6.41	83	2904	0.163	ug/L #	77
42) Toluene	7.64	91	174868	4.041	ug/L	99
51) Chlorobenzene	9.12	112	3728	0.147	ug/L #	89
52) Ethylbenzene	9.25	91	81229	1.720	ug/L	97
53) m,p-xylene	9.38	106	38665	2.247	ug/L	93
54) o-xylene	9.78	106	25526	1.541	ug/L	97
56) Isopropylbenzene	10.17	105	7527	0.168	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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

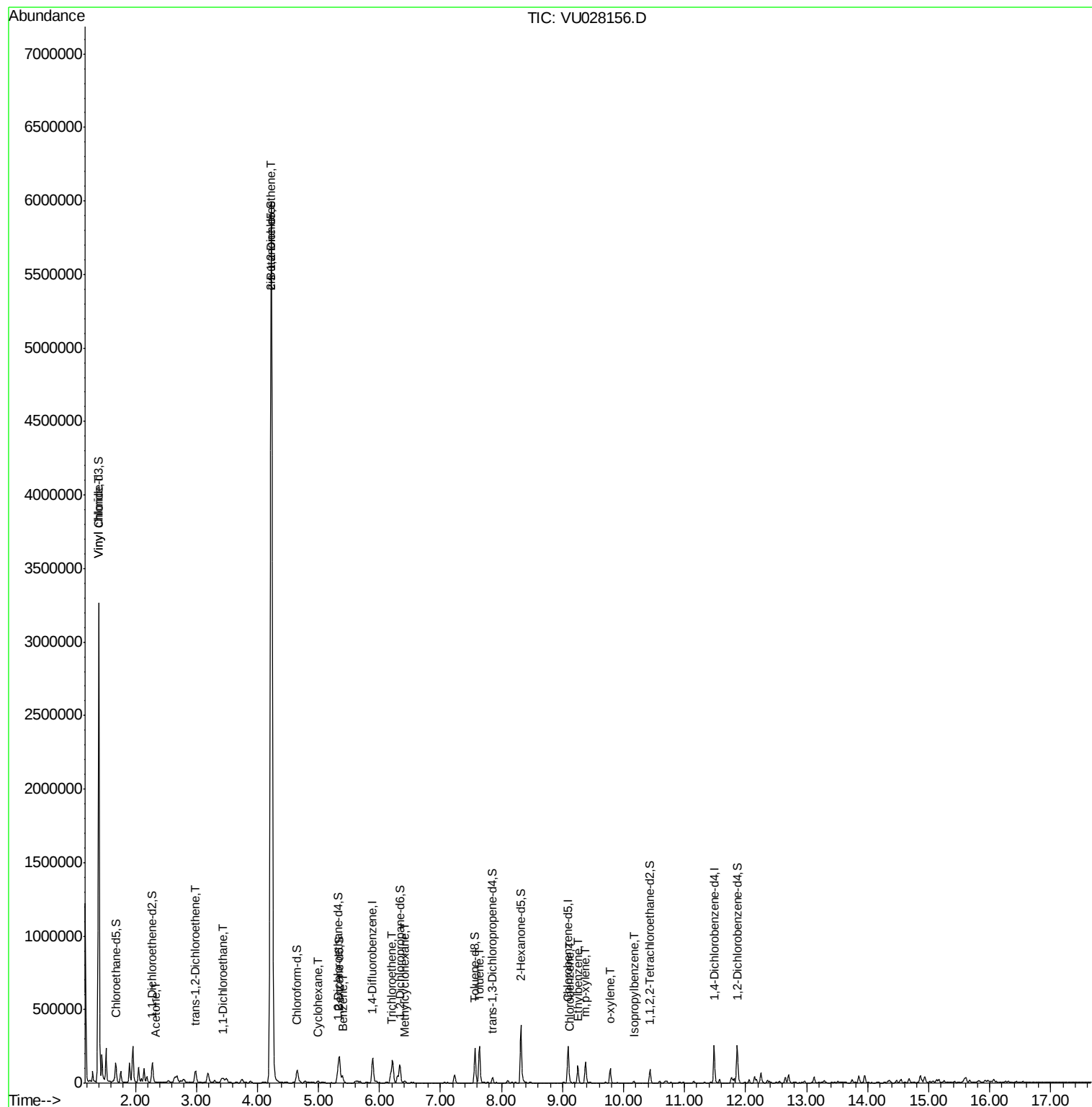
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
Data File : VU028156.D
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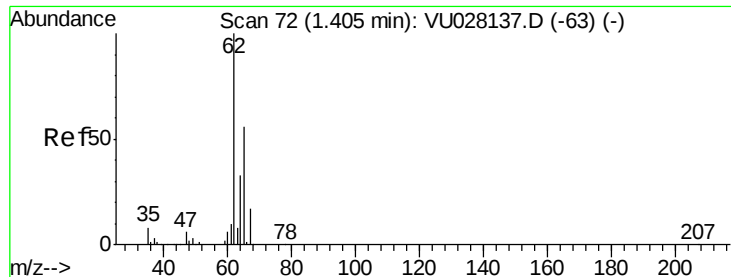
Instrument :
MSVOA_U
ClientSampleId :
H0FP4

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MMDadoda
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Quant Time: Nov 15 08:23:10 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





#5

Vinyl chloride

Concen: 129.675 ug/L

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028156.D

Acq: 15 Nov 2018 06:03

Instrument :

MSVOA_U

ClientSampleId :

H0FP4

Tot Ion: 62 Resp: 1803323

Ion Ratio Lower Upper

62 100

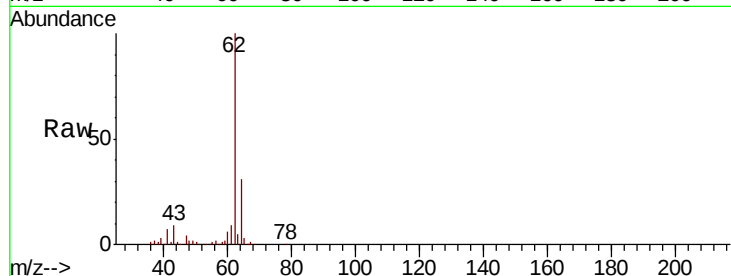
64 31.0 22.7 42.3

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11/15/2018 10:08:25 AM



Abundance Ion 62.00 (61.70 to 62.70): VU028137.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VU028137.D (-63) (-)

2000000

1500000

1000000

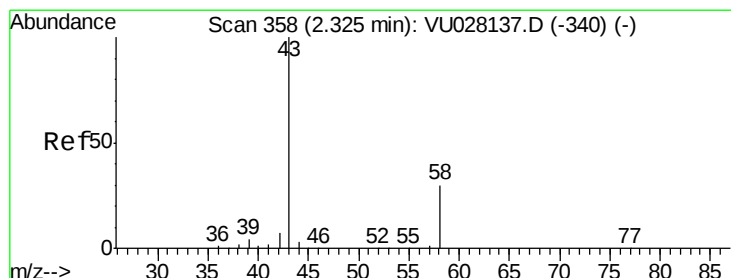
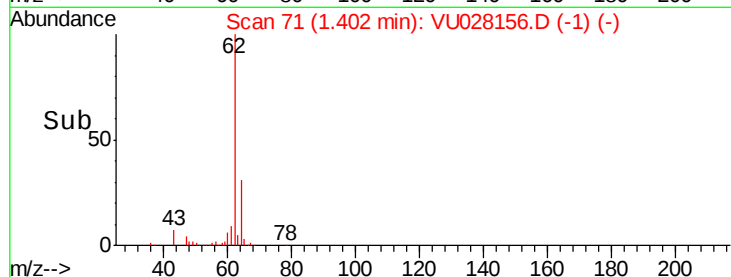
500000

0

1.40

1.50

Time-->



#13

Acetone

Concen: 3.156 ug/L m

RT: 2.35 min Scan# 365

Delta R.T. 0.02 min

Lab File: VU028156.D

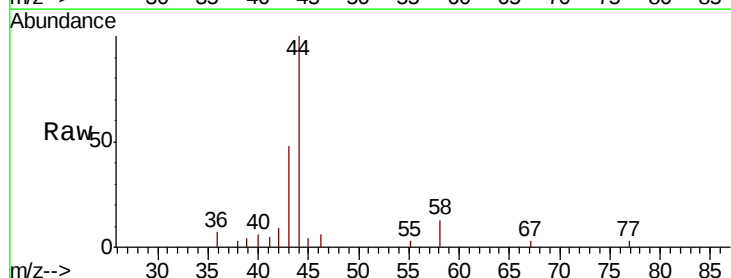
Acq: 15 Nov 2018 06:03

Tgt Ion: 43 Resp: 6642

Ion Ratio Lower Upper

43 100

58 18.9 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU028137.D (-340) (-)

Ion 58.05 (57.75 to 58.75): VU028137.D (-340) (-)

2000

1500

1000

500

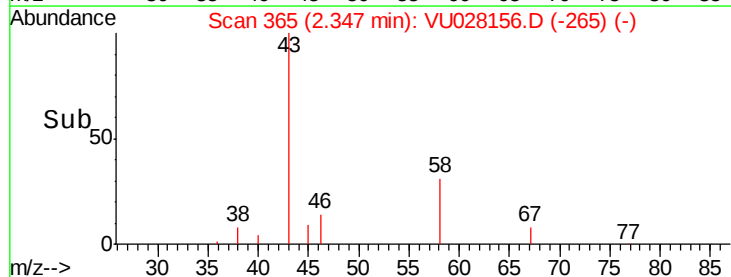
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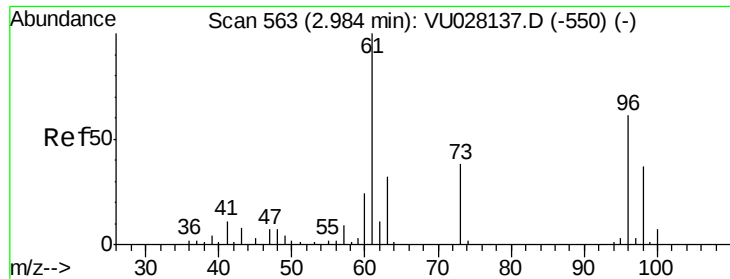
2.35

2.40

2.45

Time-->





#18

trans-1,2-Dichloroethene

Concen: 2.715 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028156.D

Acq: 15 Nov 2018 06:03

Instrument :

MSVOA_U

ClientSampled :

H0FP4

Tot Ion: 96 Resp: 24915

Ion Ratio Lower Upper

96 100

61 166.3 118.5 220.1

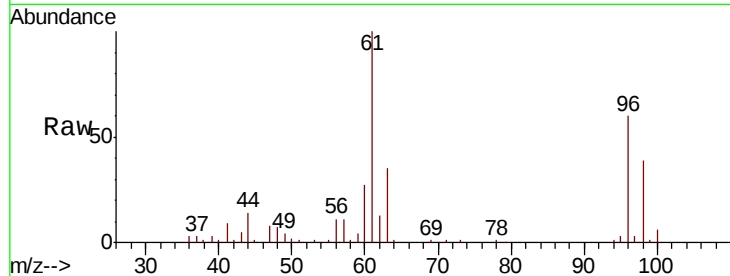
98 64.7 44.9 83.5

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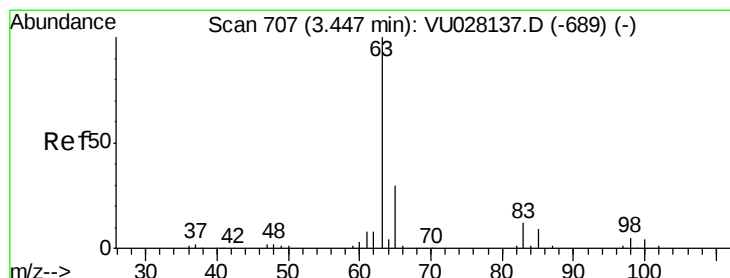
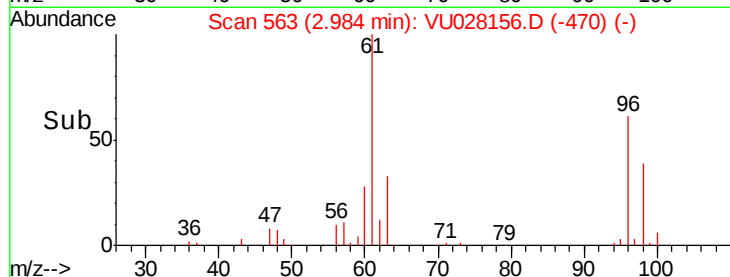
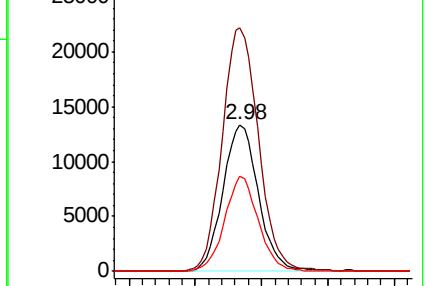
11/15/2018 10:08:25 AM



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: 1.078 ug/L

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028156.D

Acq: 15 Nov 2018 06:03

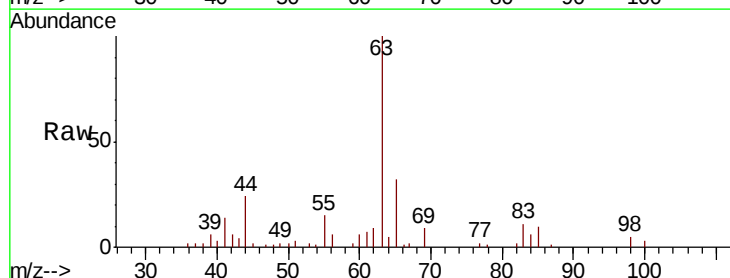
Tgt Ion: 63 Resp: 20804

Ion Ratio Lower Upper

63 100

65 32.1 22.2 41.2

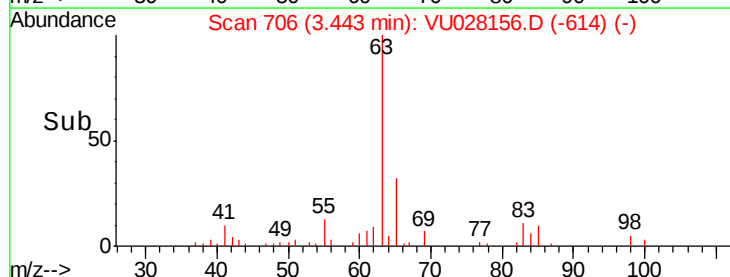
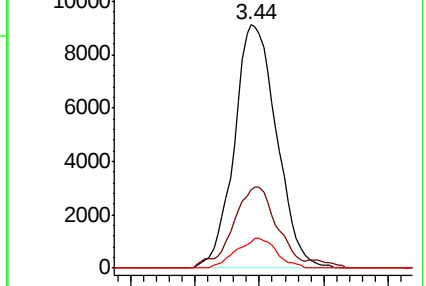
83 10.9 8.9 16.5

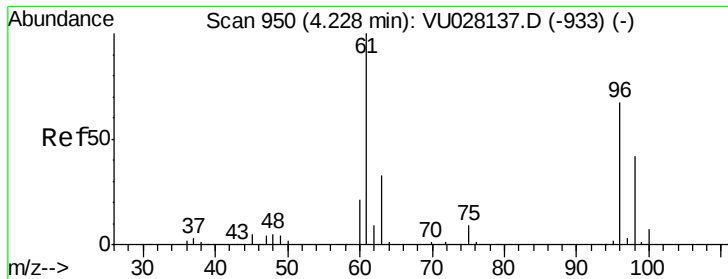


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0





#22

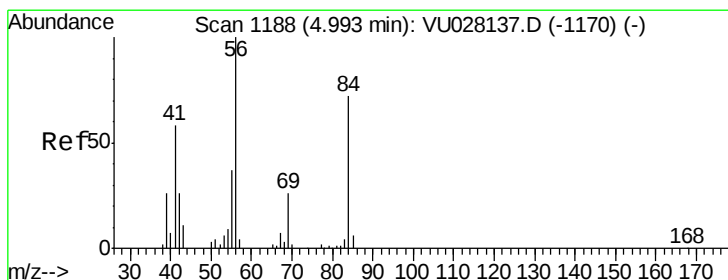
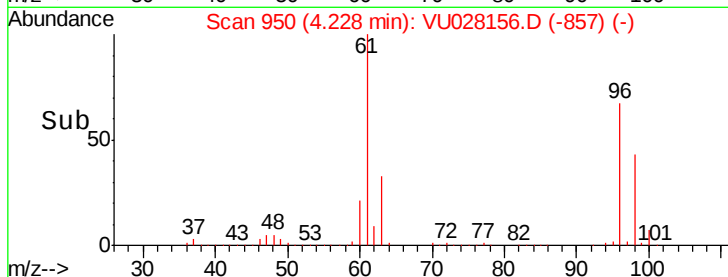
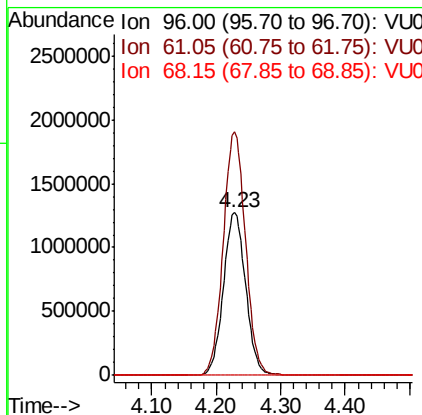
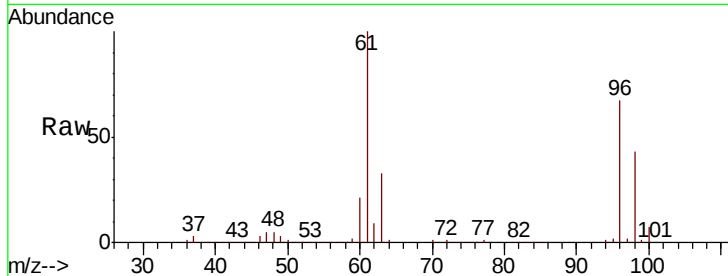
cis-1,2-Dichloroethene
Concen: 301.481 ug/L
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Instrument :
MSVOA_U
ClientSampleId :
H0FP4

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	101.8	189.0
68	0.0	0.0	0.0

Manual Integrations
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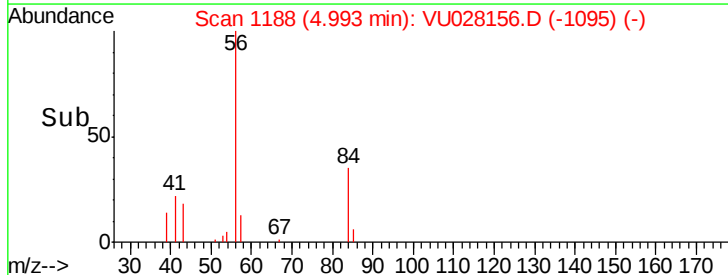
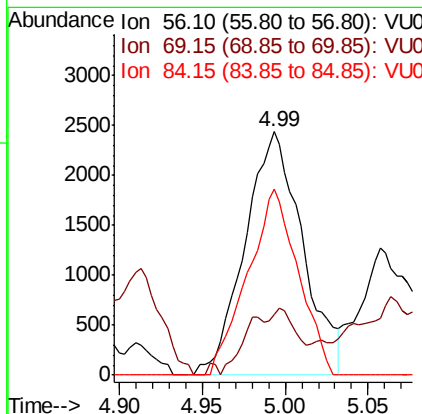
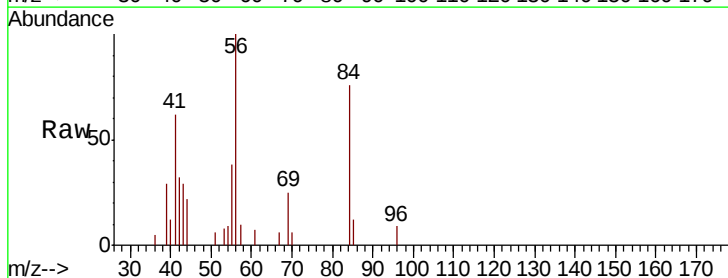
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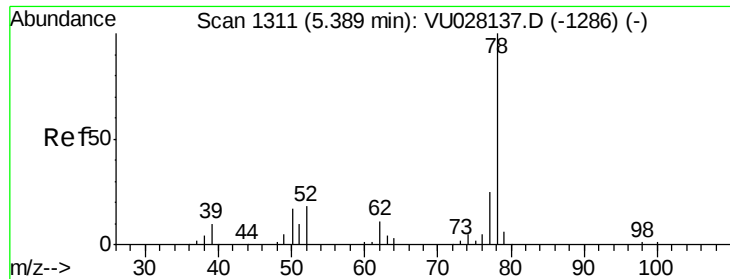


#30

Cyclohexane
Concen: 0.298 ug/L
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Tgt Ion	Ratio	Lower	Upper
56	100		
69	5.1	22.6	33.8#
84	67.1	57.7	86.5





#33

Benzene

Concen: 1.133 ug/L

RT: 5.39 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU028156.D

Acq: 15 Nov 2018 06:03

Instrument :

MSVOA_U

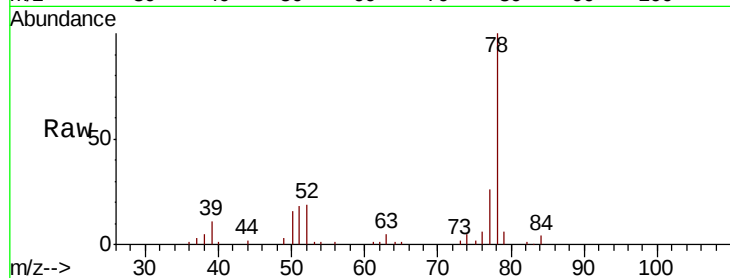
ClientSampleId :

H0FP4

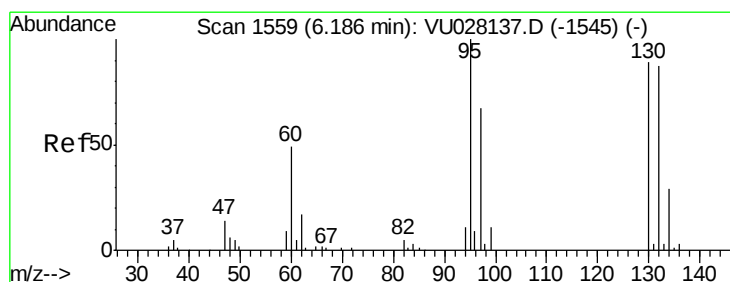
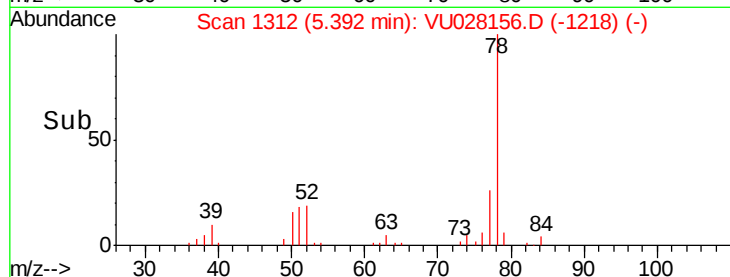
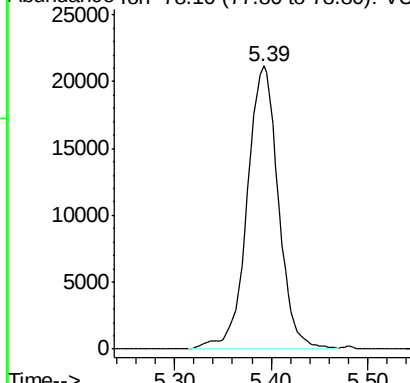
Tgt Ion: 78 Resp: 47545

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 2.129 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028156.D

Acq: 15 Nov 2018 06:03

Tgt Ion: 95 Resp: 22085

Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.3	84.1
132	92.6	63.0	117.0
130	92.4	63.6	118.2

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

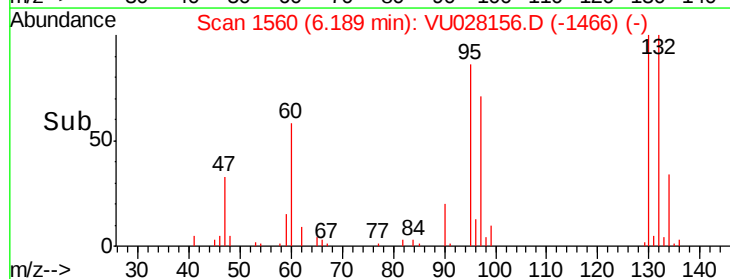
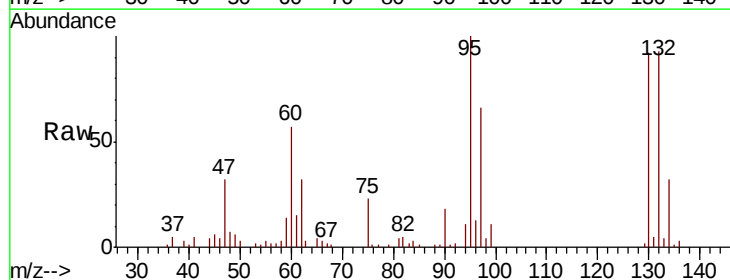
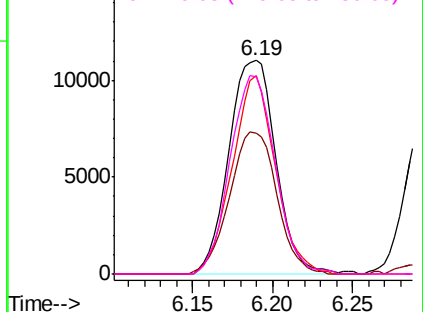
Ion 129.95 (129.65 to 130.65): V

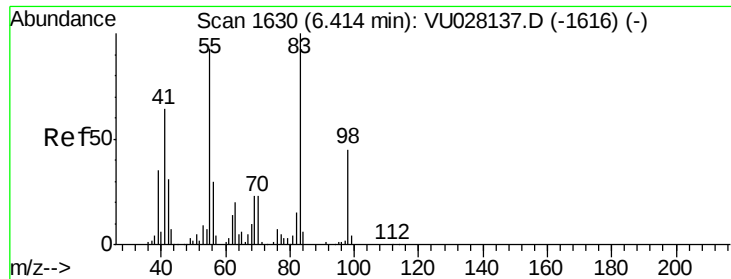
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





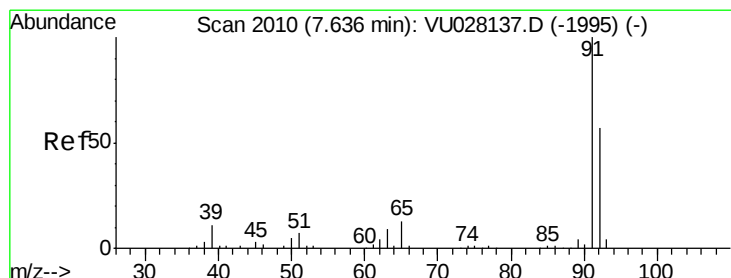
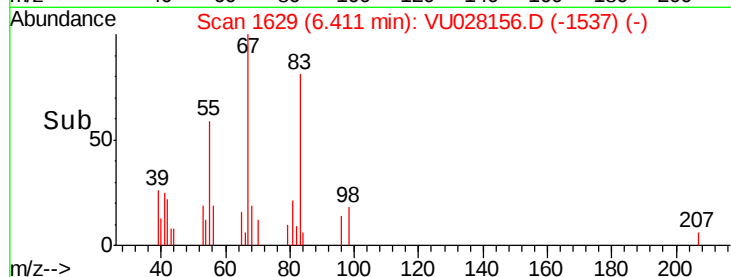
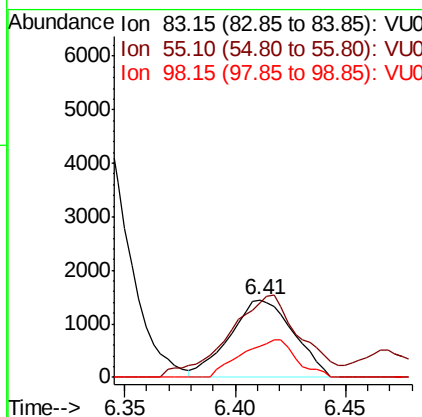
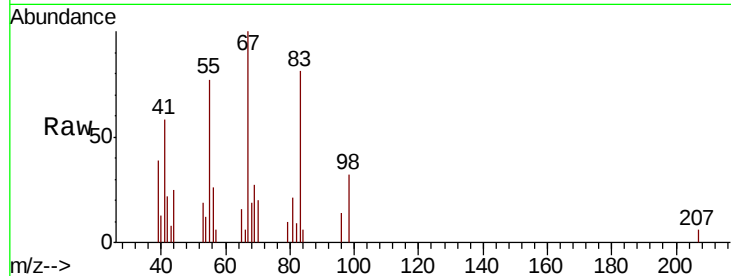
#35
Methvlcvclohexane
Concen: 0.163 ug/L
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Instrument :
MSVOA_U
ClientSampleId :
H0FP4

Tot Ion	Ratio	Lower	Upper
83	100		
55	117.8	69.0	103.4#
98	41.6	33.3	49.9

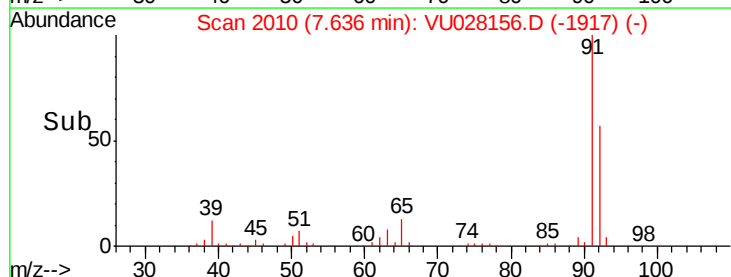
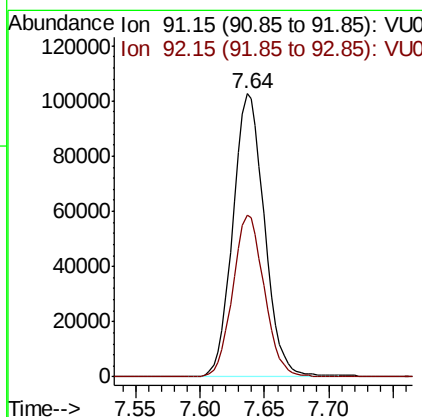
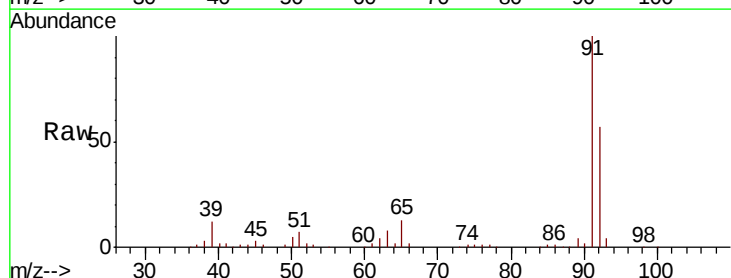
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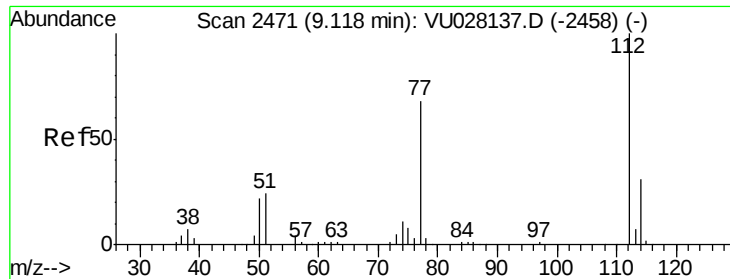
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#42
Toluene
Concen: 4.041 ug/L
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	40.7	75.7





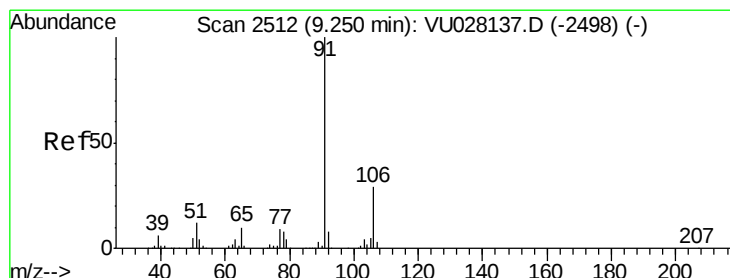
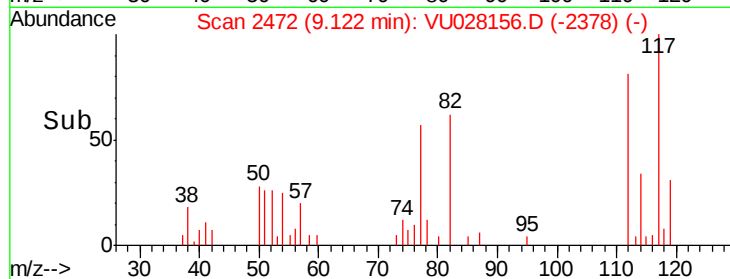
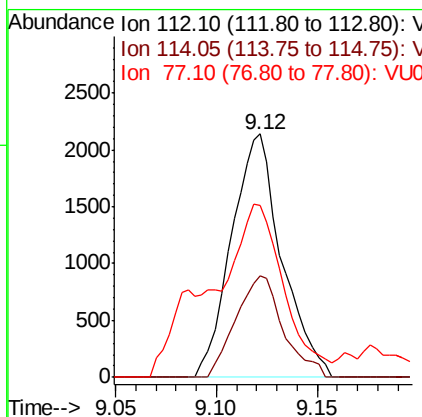
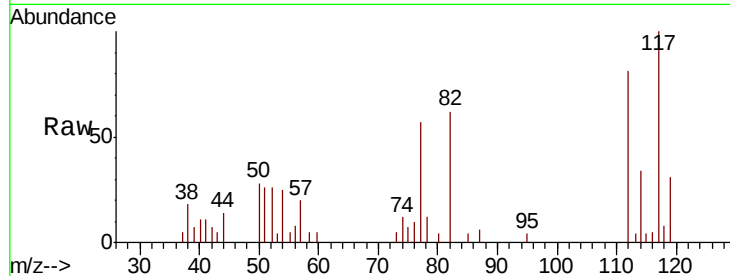
#51
Chlorobenzene
Concen: 0.147 ug/L
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Instrument :
MSVOA_U
ClientSampled :
H0FP4

Tot Ion	Ratio	Lower	Upper
112	100		
114	41.9	22.5	41.7#
77	70.6	51.3	76.9

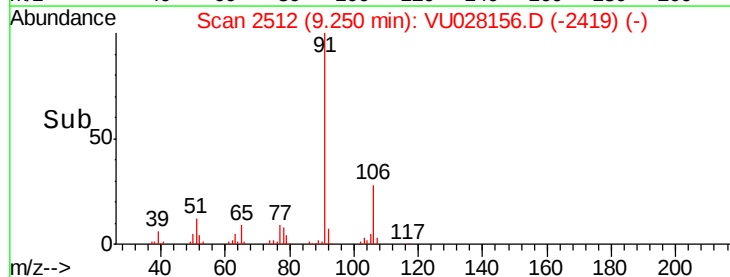
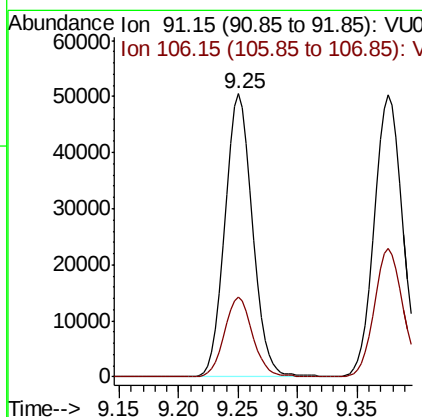
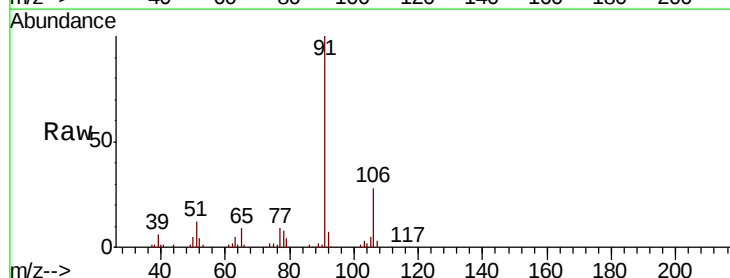
Manual Integrations
APPROVED

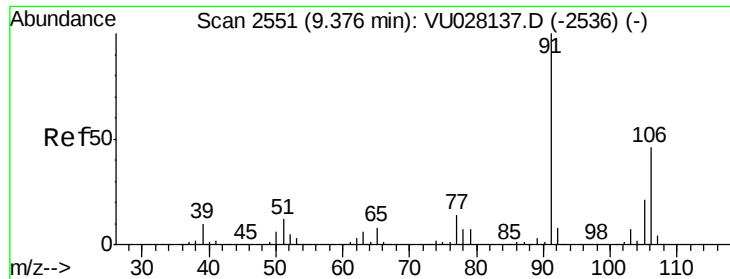
MMDadoda
11/15/2018 10:08:25 AM



#52
Ethylbenzene
Concen: 1.720 ug/L
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.3	20.9	38.7





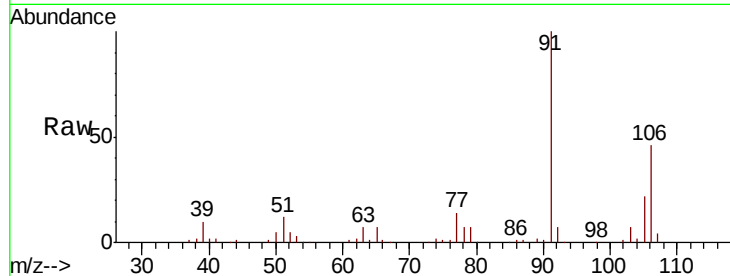
#53
m,p-xylene
Concen: 2.247 ug/L
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Instrument :
MSVOA_U
ClientSampled :
H0FP4

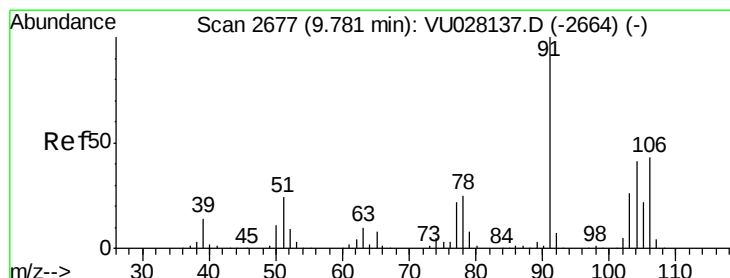
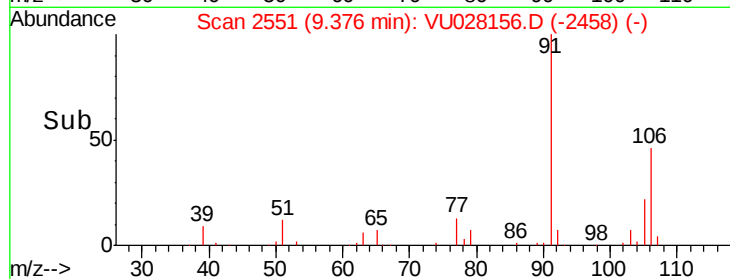
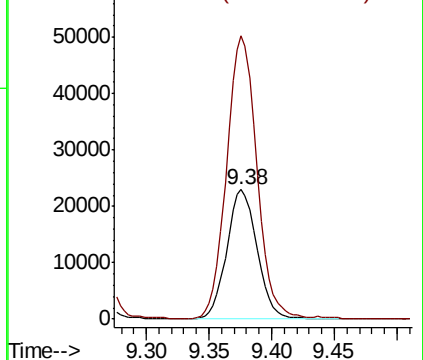
Tot Ion:106 Resp: 38665
Ion Ratio Lower Upper
106 100
91 219.0 145.7 270.7

Manual Integrations
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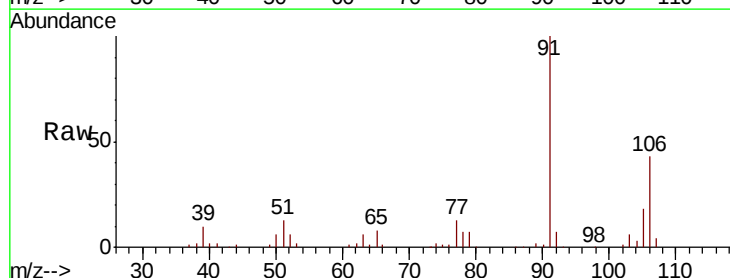


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

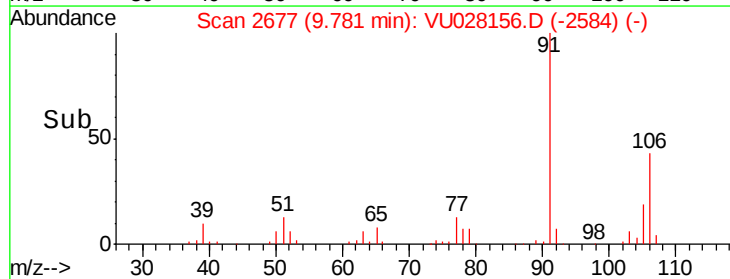
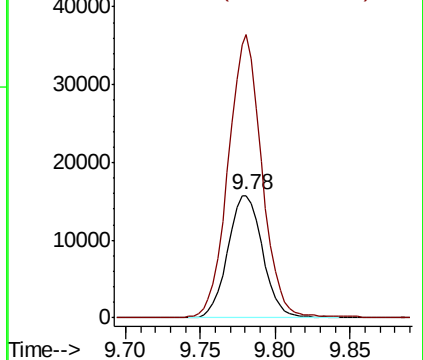


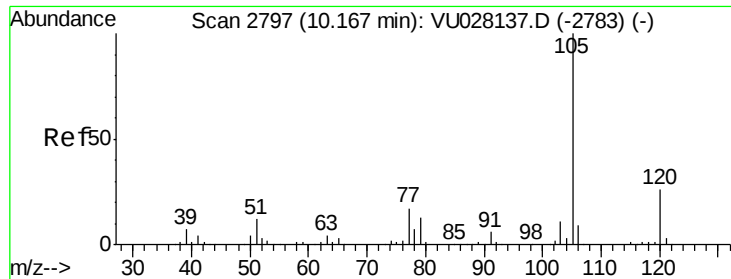
#54
o-xylene
Concen: 1.541 ug/L
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Tgt Ion:106 Resp: 25526
Ion Ratio Lower Upper
106 100
91 231.1 158.7 294.7



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0





#56
Isopropylbenzene
Concen: 0.168 ug/L
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028156.D
Acq: 15 Nov 2018 06:03

Instrument :
MSVOA_U
ClientSampleId :
H0FP4

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.4	20.5	30.7
77	19.2	13.3	19.9

Manual Integrations
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