

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121118\
 Data File : VU028589.D
 Acq On : 11 Dec 2018 07:17
 Operator : MD/SY
 Sample : J6305-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

Manual Integrations
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 12/11/2018 3:02:25 PM

Quant Time: Dec 11 08:33:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	83644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	153512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70026	54.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.72%	
35) Dibromofluoromethane	4.88	113	50855	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
50) Toluene-d8	7.57	98	204110	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	10.30	95	69413	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
Target Compounds						
					Qvalue	
7) Trichlorofluoromethane	1.88	101	3576	2.285	ug/l	95
11) Tert butyl alcohol	2.83	59	16750	58.898	ug/l	97
16) Acetone	2.32	43	162920	195.594	ug/l	98
25) 2-Butanone	4.26	43	132553	116.447	ug/l	97
29) Tetrahydrofuran	4.64	42	38155	52.191	ug/l	97
31) Cyclohexane	4.99	56	30015	12.825	ug/l #	94
39) Methylcyclohexane	6.41	83	18883	9.214	ug/l	96
40) Benzene	5.39	78	220873	44.643	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	61054	28.183	ug/l	97
52) Toluene	7.64	92	710893	244.146	ug/l	100
65) Chlorobenzene	9.12	112	2089	0.702	ug/l #	76
67) Ethyl Benzene	9.25	91	454268	83.018	ug/l	100
68) m/p-Xylenes	9.37	106	708150	355.662	ug/l	98
69) o-Xylene	9.78	106	338657	175.023	ug/l	98
70) Styrene	9.79	104	198406	61.960	ug/l #	80
73) Isopropylbenzene	10.17	105	43144	9.006	ug/l	98
78) n-propylbenzene	10.58	91	118887	19.971	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	216488	54.591	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	695331	170.135	ug/l	100
85) sec-Butylbenzene	11.32	105	5956m	1.213	ug/l	
86) p-Isopropyltoluene	11.47	119	4375m	1.049	ug/l	
95) Naphthalene	13.74	128	192767	37.959	ug/l	100

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

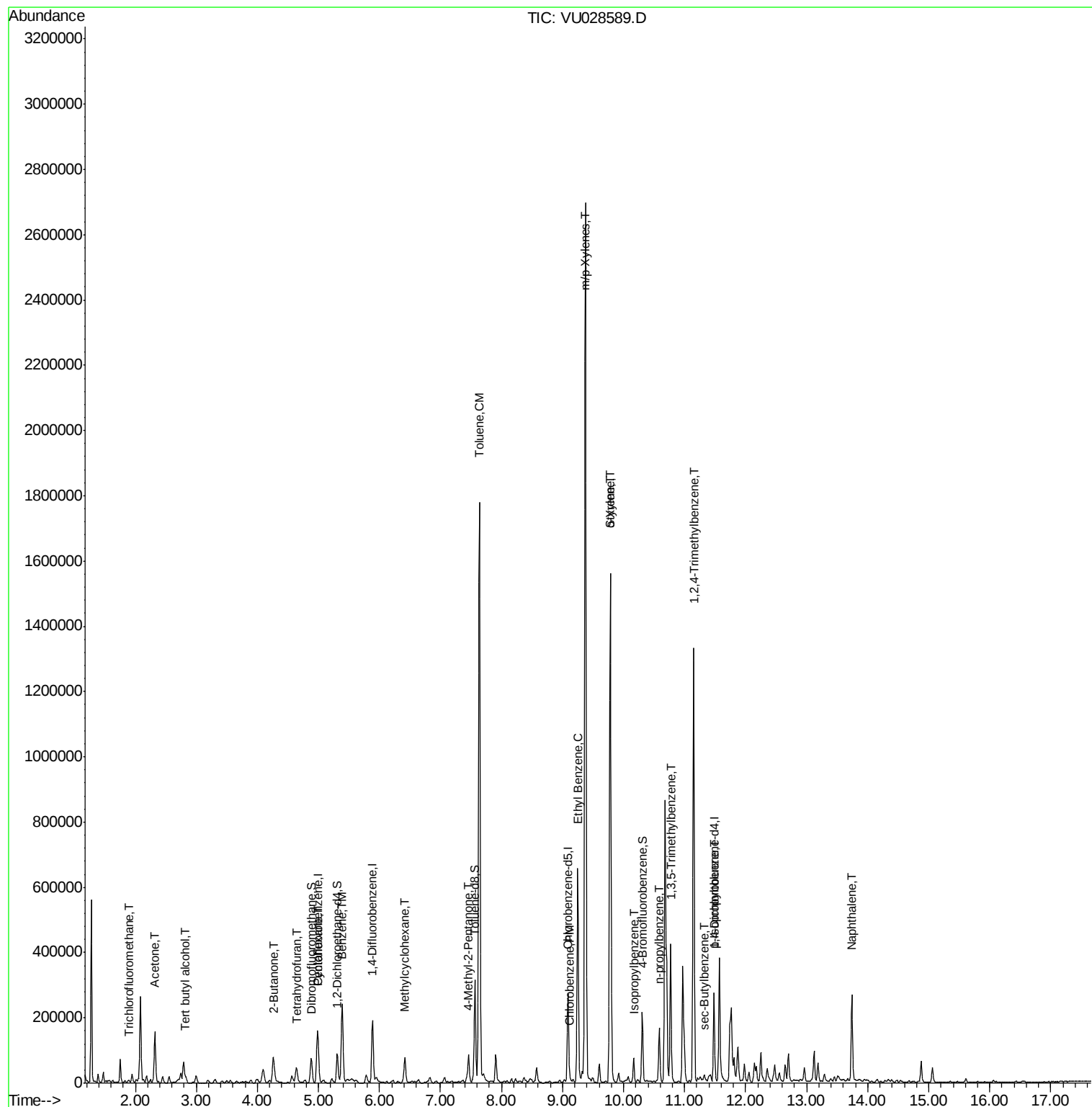
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121118\
Data File : VU028589.D
Acq On : 11 Dec 2018 07:17
Operator : MD/SY
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 46 Sample Multiplier: 1

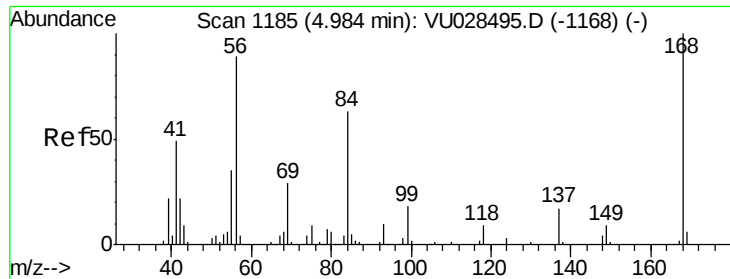
Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

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Quant Time: Dec 11 08:33:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

Tot Ion:168 Resp: 83644

Ion Ratio Lower Upper

168 100

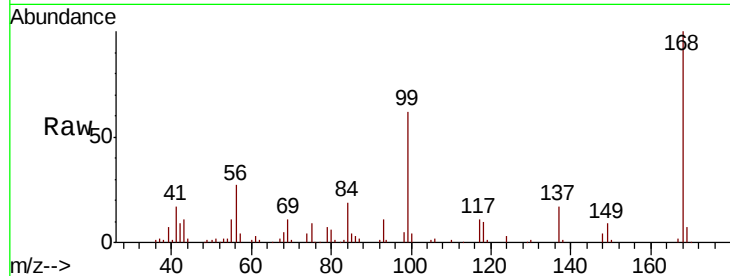
99 61.9 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

40000

30000

20000

10000

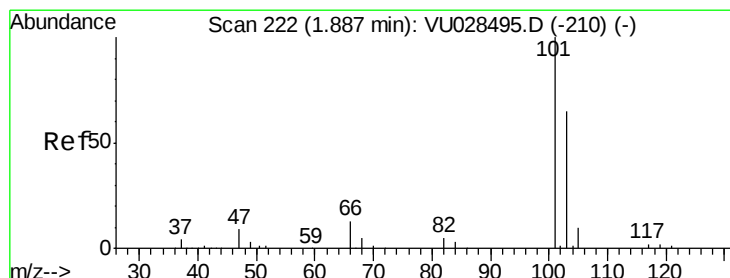
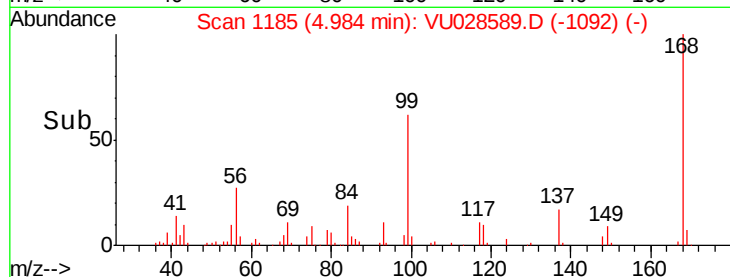
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Time-->

4.90

5.00

5.10



#7

Trichlorofluoromethane

Concen: 2.285 ug/l

RT: 1.88 min Scan# 221

Delta R.T. -0.00 min

Lab File: VU028589.D

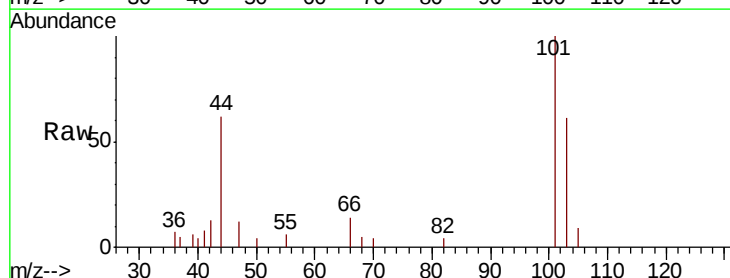
Acq: 11 Dec 2018 07:17

Tgt Ion:101 Resp: 3576

Ion Ratio Lower Upper

101 100

103 61.4 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.88

3000

2500

2000

1500

1000

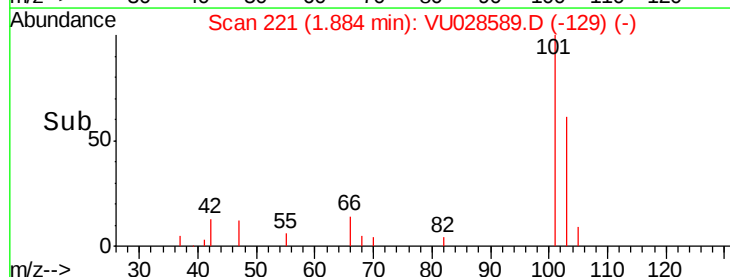
500

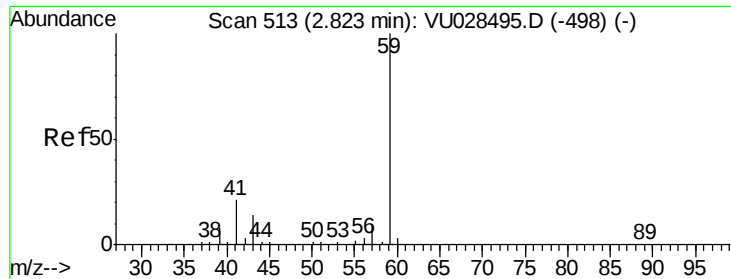
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Time-->

1.85

1.90





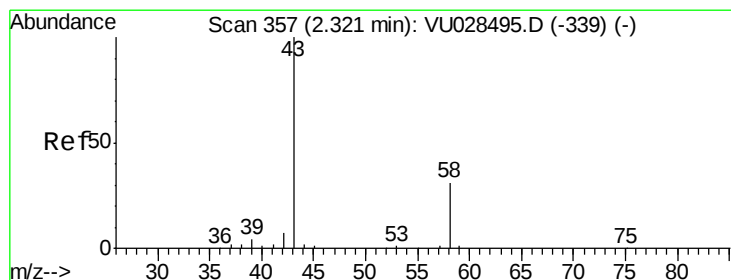
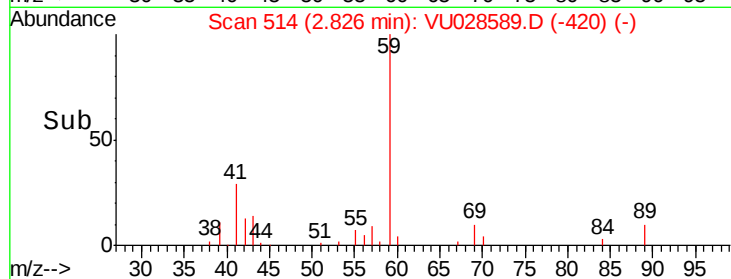
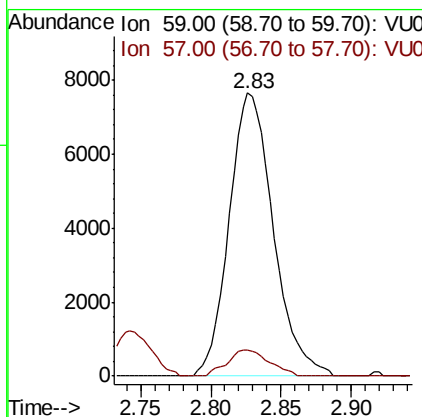
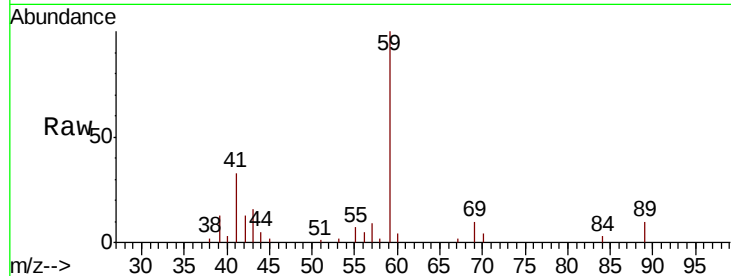
#11
Tert butyl alcohol
Concen: 58.898 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion	59.00	Resp	16750
Ion Ratio	100	Lower	Upper
59	100		
57	8.8	8.0	12.0

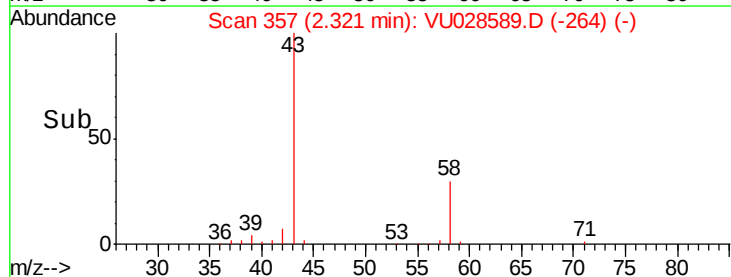
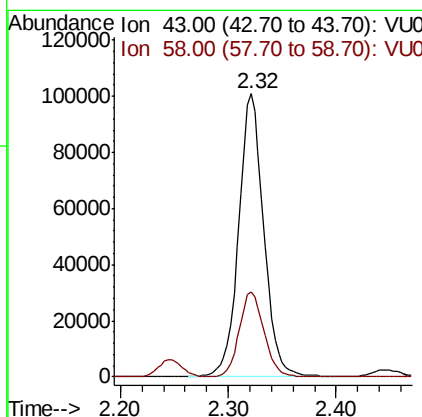
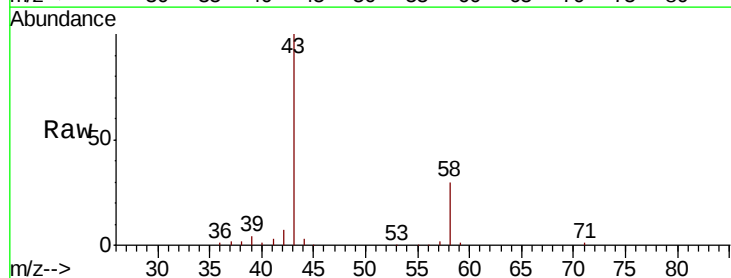
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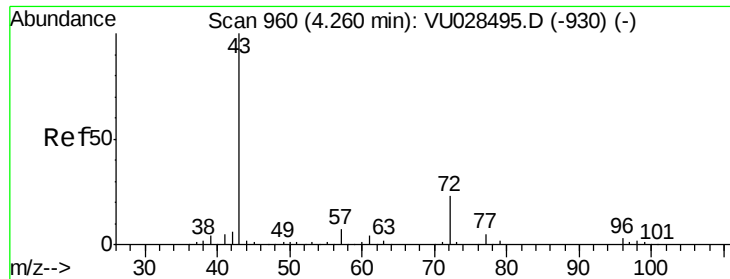
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#16
Acetone
Concen: 195.594 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion	43.00	Resp	162920
Ion Ratio	100	Lower	Upper
43	100		
58	29.8	24.6	37.0





#25

2-Butanone

Concen: 116.447 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

Tot Ion: 43 Resp: 132553

Ion Ratio Lower Upper

43 100

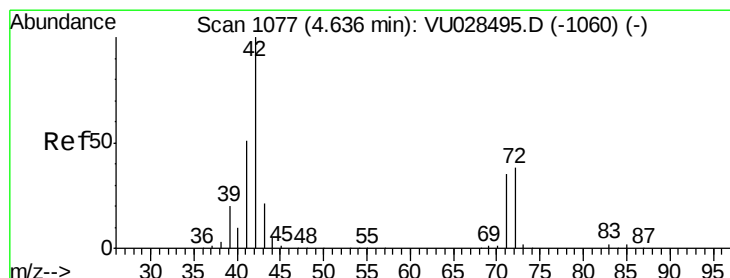
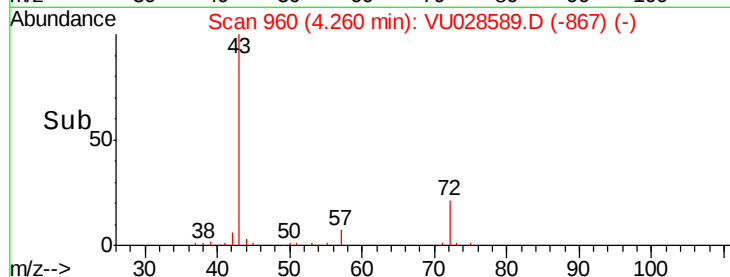
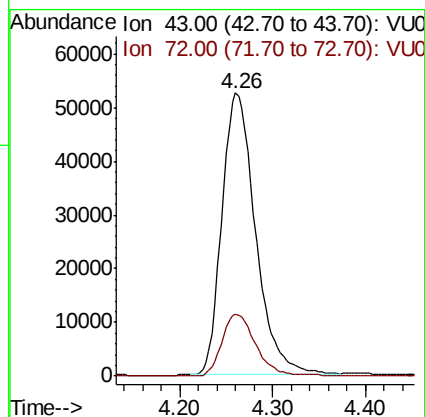
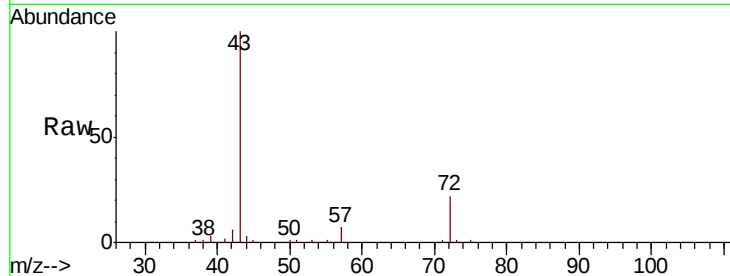
72 21.8 18.6 28.0

Manual Integrations

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#29

Tetrahydrofuran

Concen: 52.191 ug/l

RT: 4.64 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

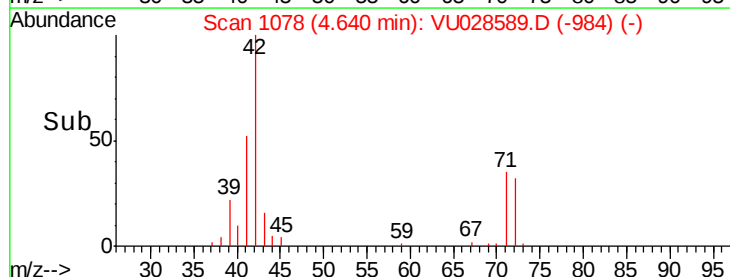
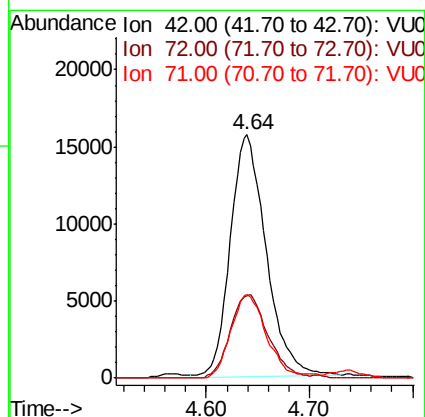
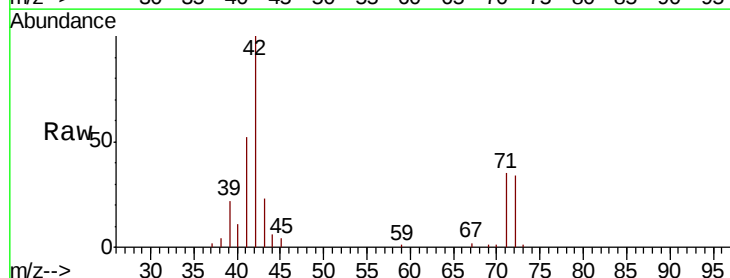
Tgt Ion: 42 Resp: 38155

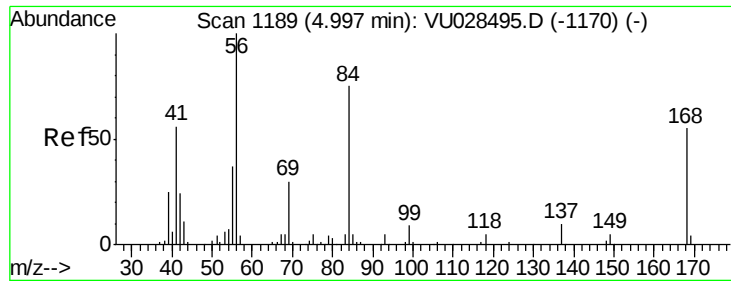
Ion Ratio Lower Upper

42 100

72 36.2 31.4 47.0

71 34.8 28.6 43.0





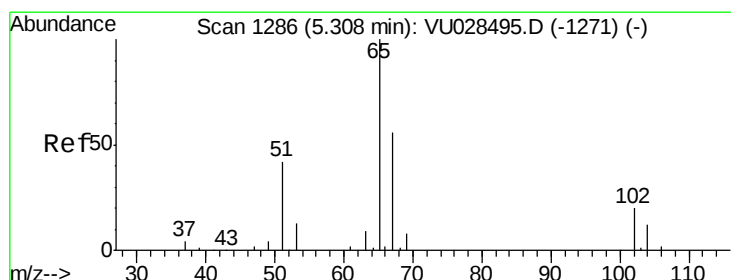
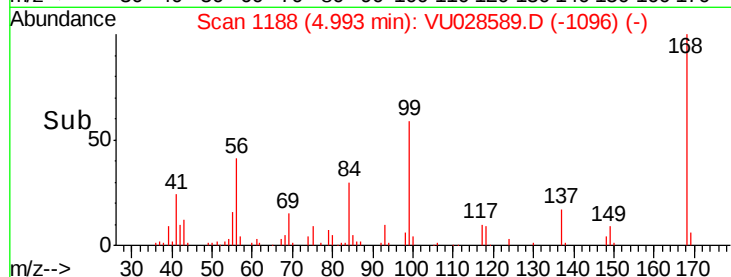
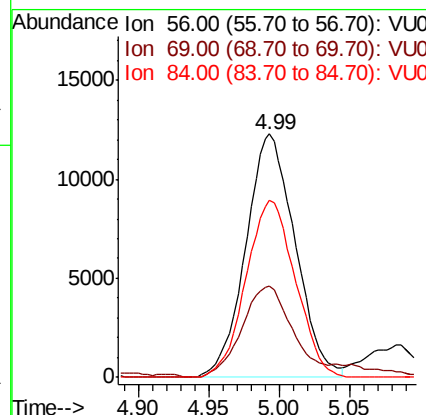
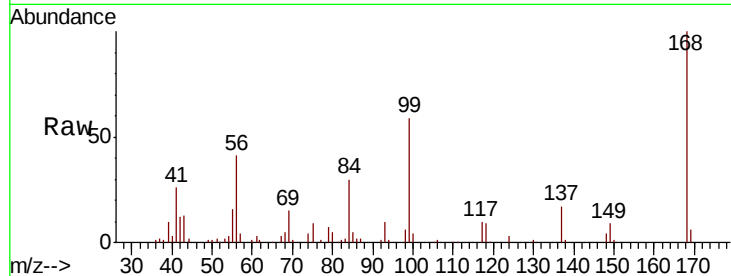
#31
Cyclohexane
Concen: 12.825 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	24.0	36.0#
84	72.5	59.7	89.5

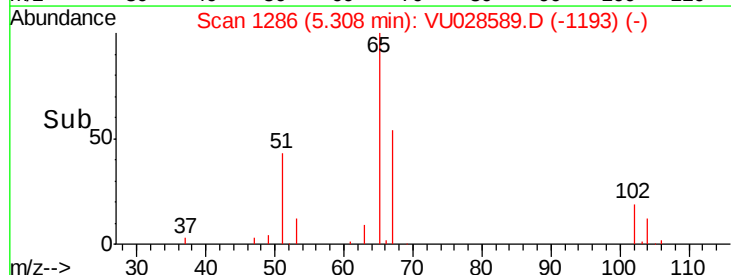
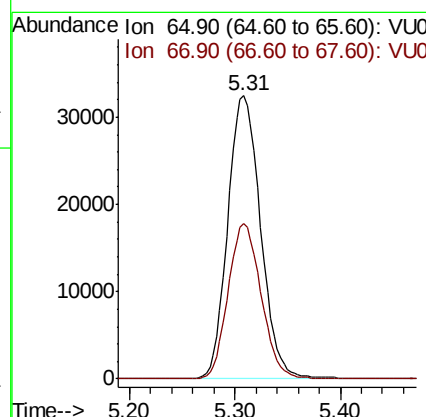
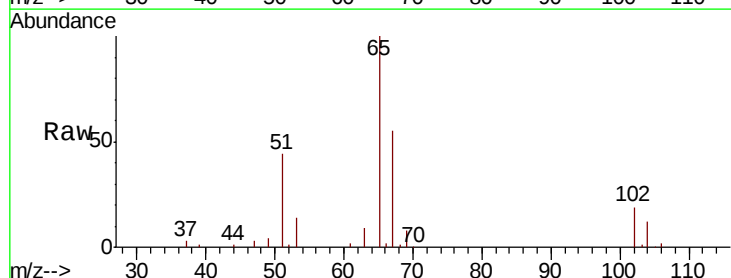
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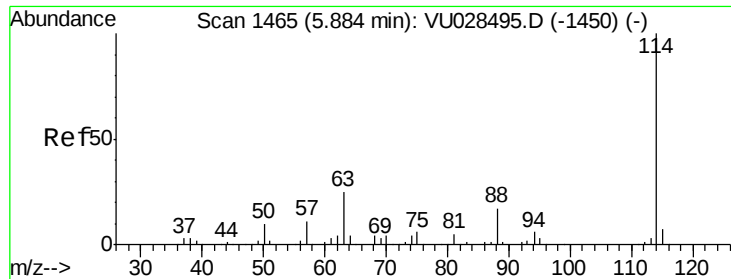
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#33
1,2-Dichloroethane-d4
Concen: 54.860 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	110.6





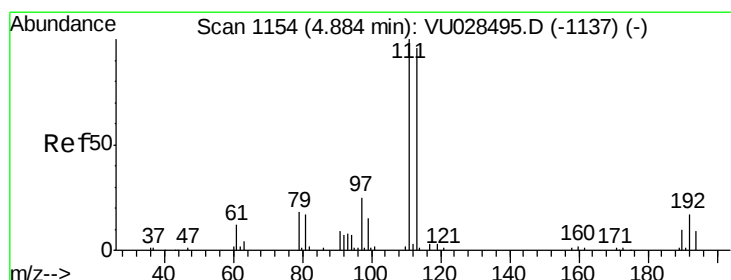
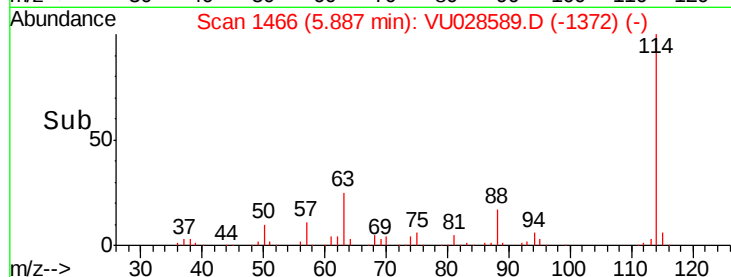
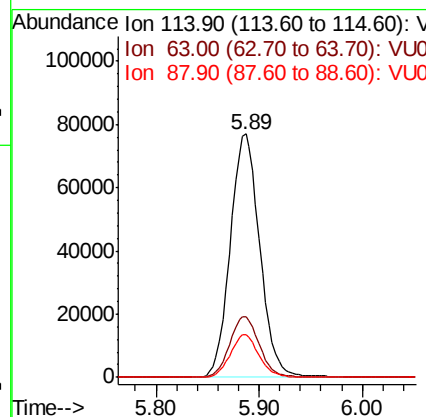
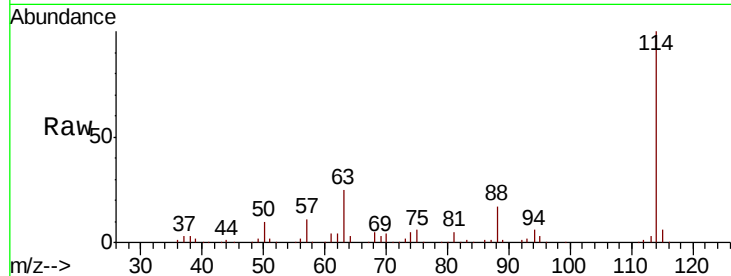
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

Tot Ion	Ratio	Resp	Lower	Upper
114	100	153512		
63	24.8	0.0	49.2	
88	17.4	0.0	33.4	

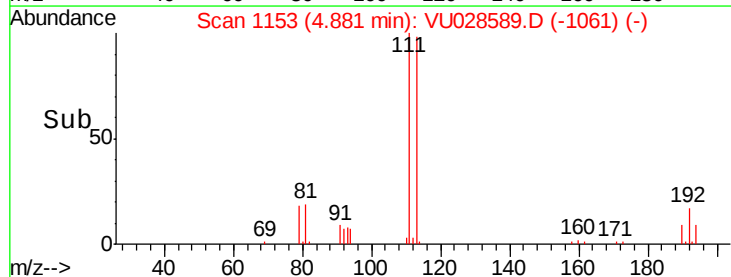
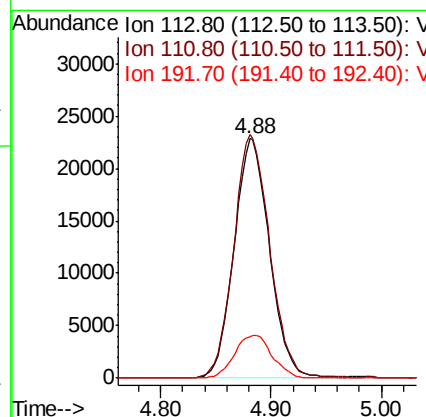
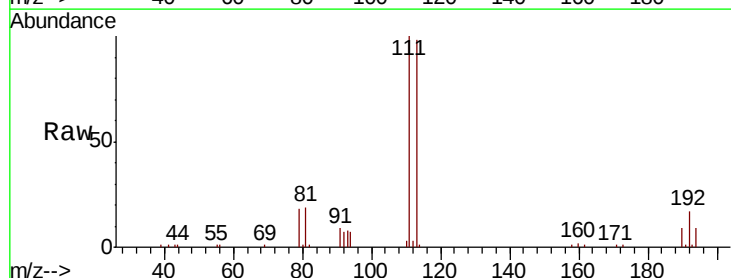
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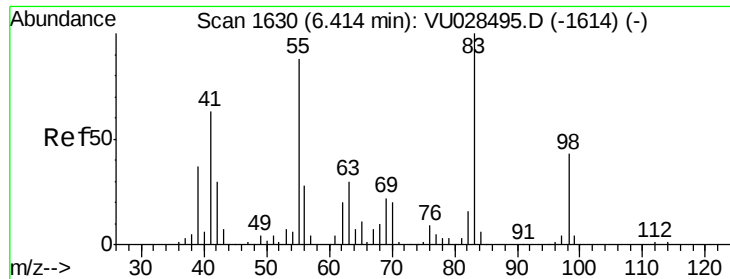
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#35
 Dibromofluoromethane
 Concen: 52.642 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	50855		
111	103.1	83.4	125.0	
192	18.9	14.8	22.2	





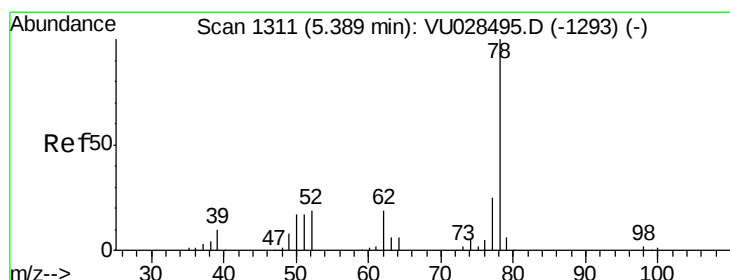
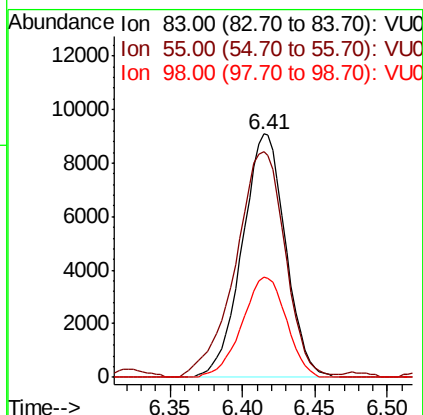
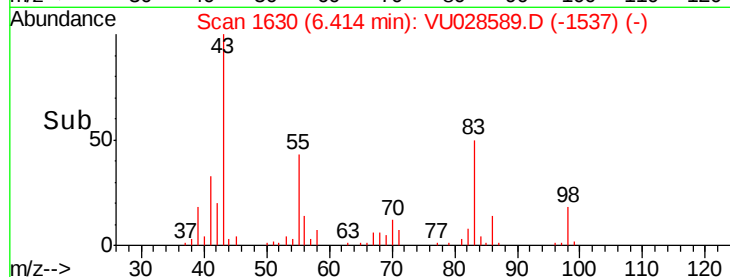
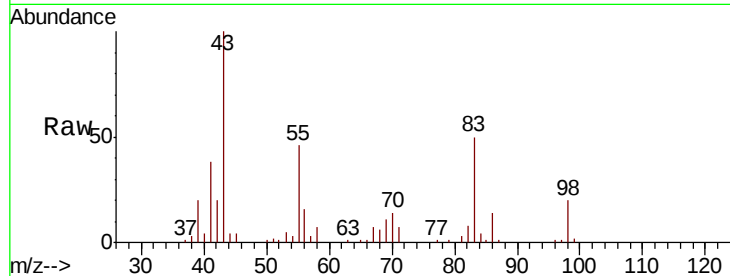
#39
Methylvlcvclohexane
Concen: 9.214 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion	83.00	Resp	18883
Ion Ratio	Lower	Upper	
83	100		
55	91.6	70.2	105.2
98	41.0	34.2	51.4

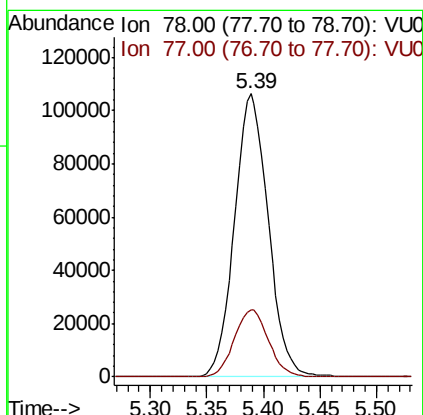
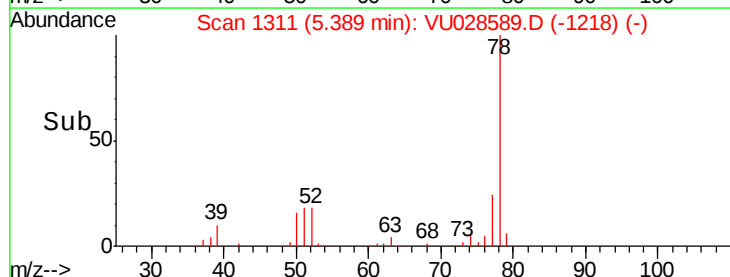
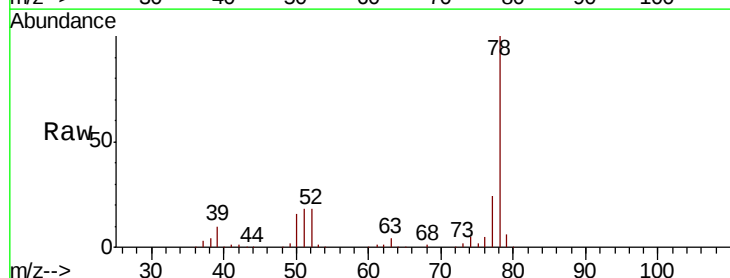
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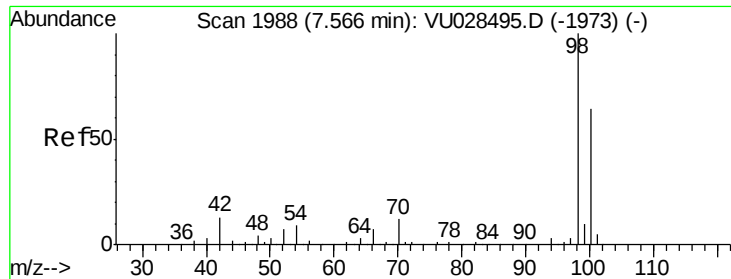
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#40
Benzene
Concen: 44.643 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion	78.00	Resp	220873
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.9	29.9





#50

Toluene-d8

Concen: 53.410 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Tot Ion: 98 Resp: 204110

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6

Instrument :

MSVOA_U

ClientSampleId :

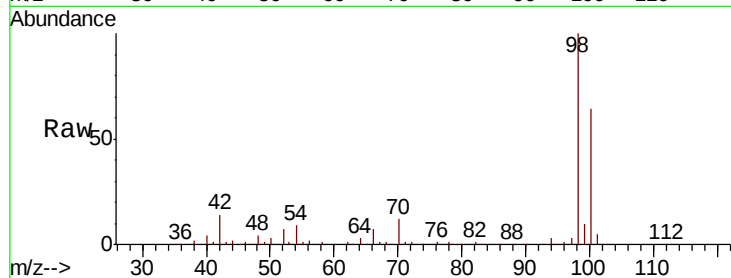
P001-SW001-01

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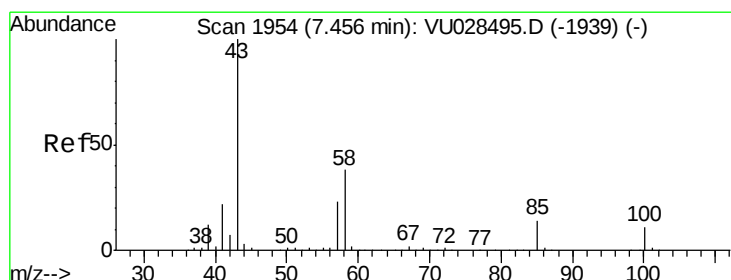
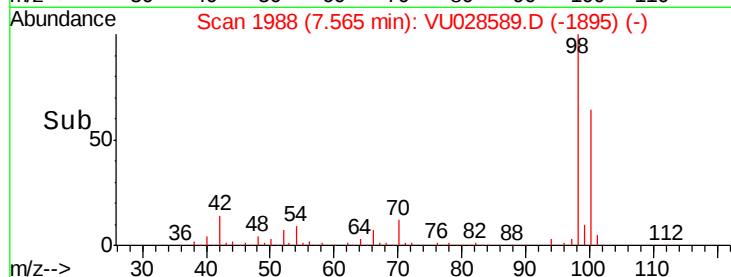
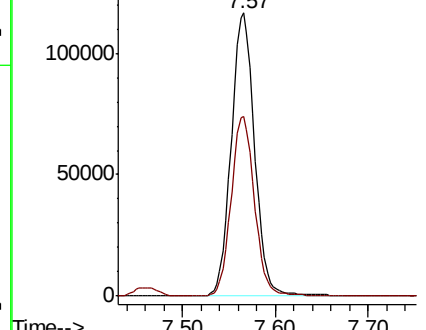
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Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)



#51

4-Methyl-2-Pentanone

Concen: 28.183 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028589.D

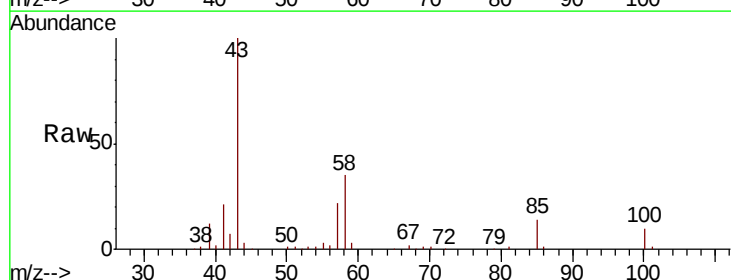
Acq: 11 Dec 2018 07:17

Tgt Ion: 43 Resp: 61054

Ion Ratio Lower Upper

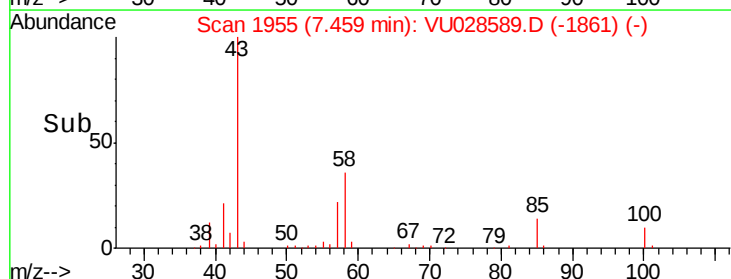
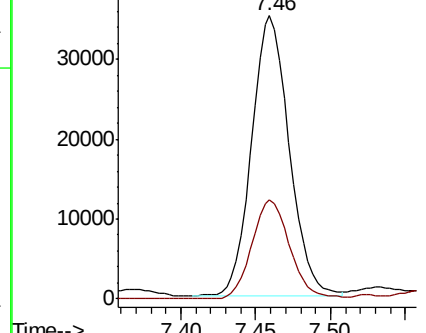
43 100

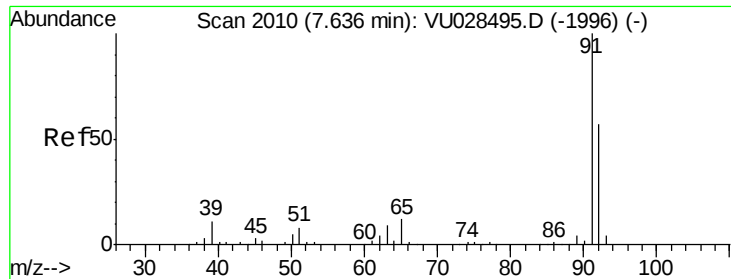
58 35.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)





#52

Toluene

Concen: 244.146 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

Tot Ion: 92 Resp: 710893

Ion Ratio Lower Upper

92 100

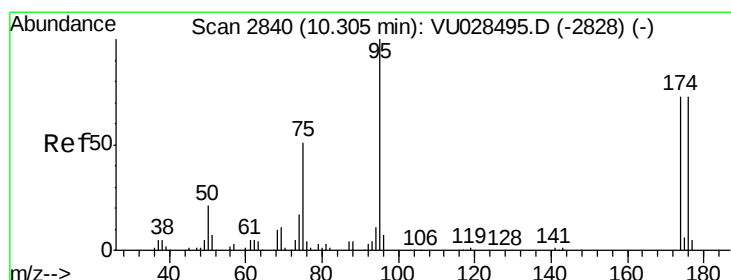
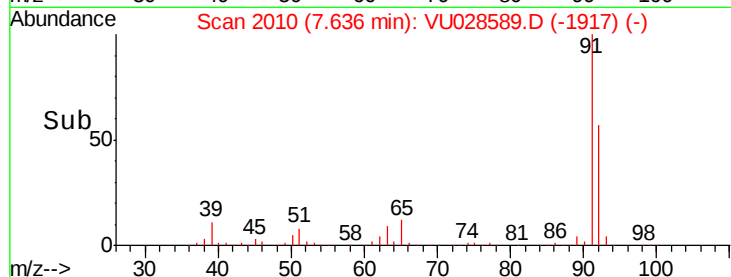
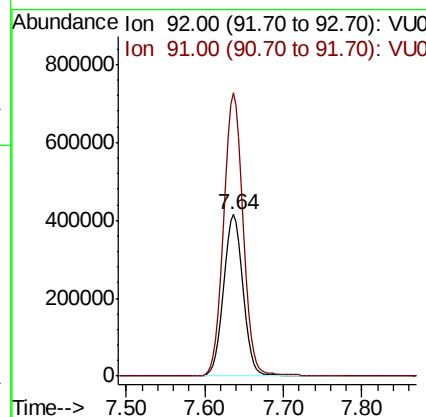
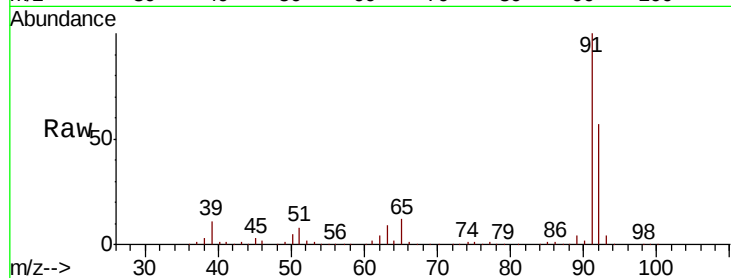
91 175.5 140.2 210.4

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.596 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

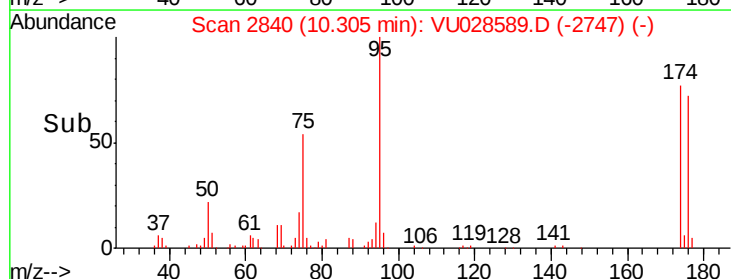
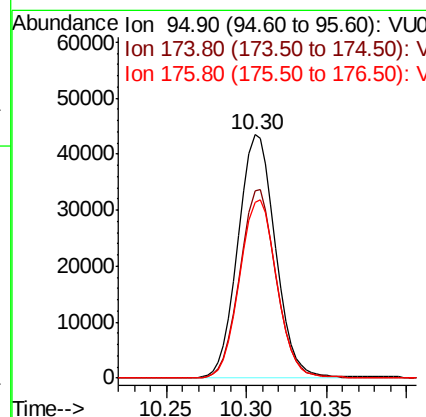
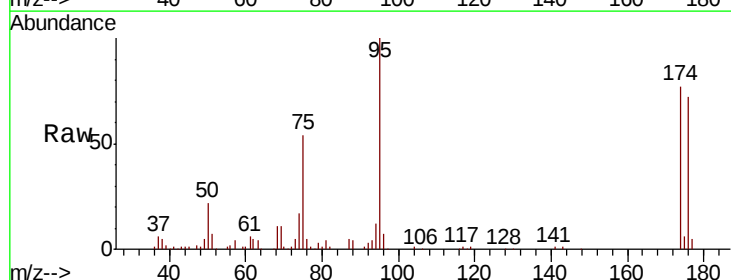
Tgt Ion: 95 Resp: 69413

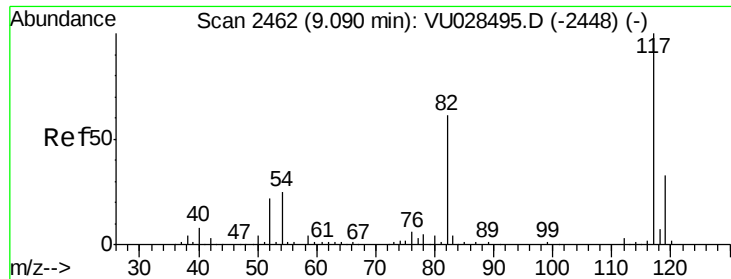
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.4

176 72.9 0.0 145.2





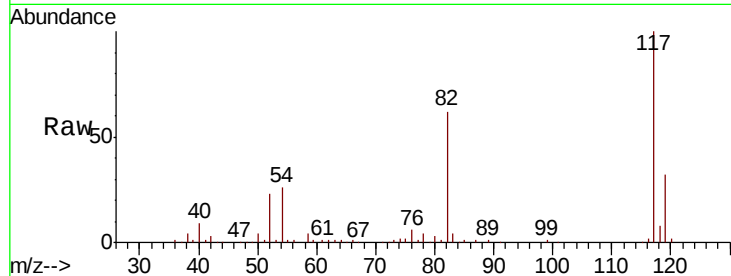
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

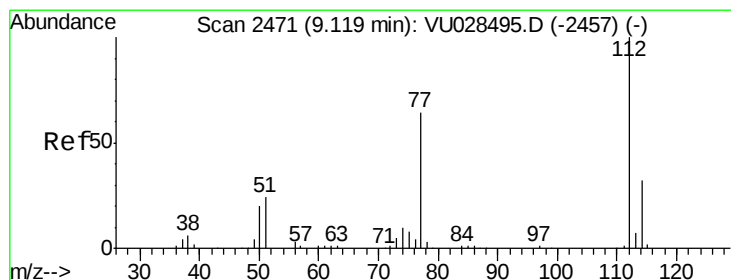
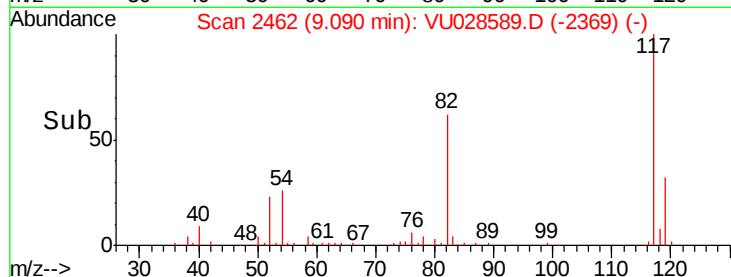
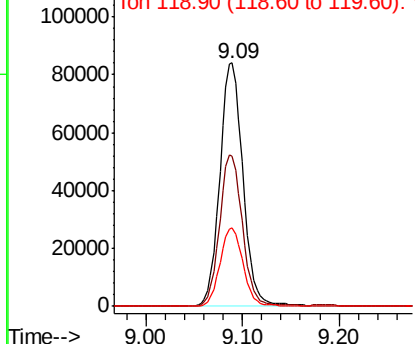
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.9	73.3
119	32.0	26.2	39.4

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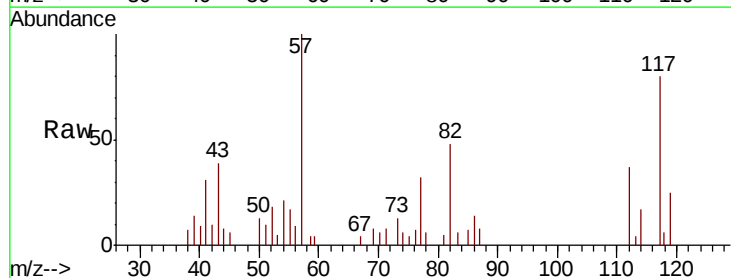


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU
Ion 118.90 (118.60 to 119.60): V

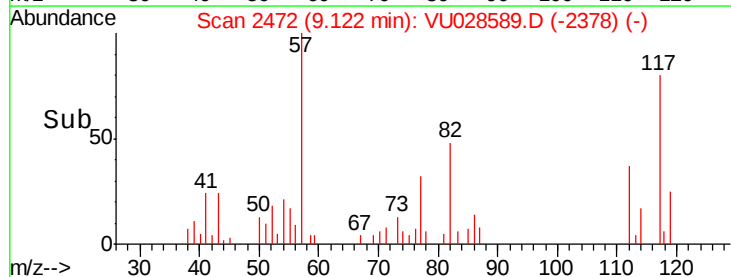
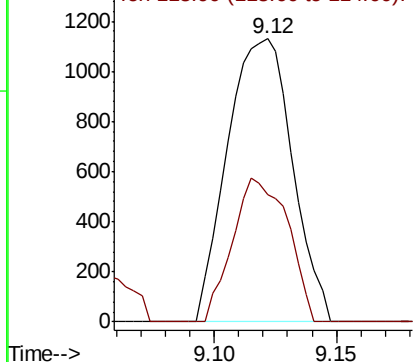


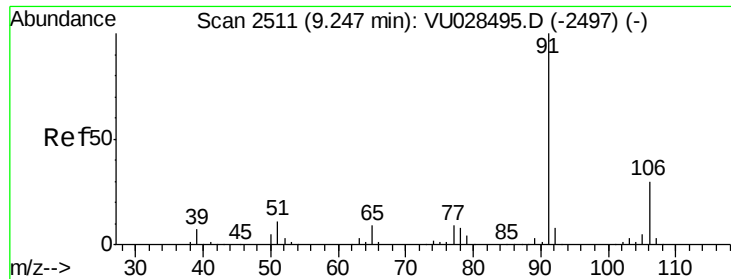
#65
Chlorobenzene
Concen: 0.702 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	45.0	25.3	37.9#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





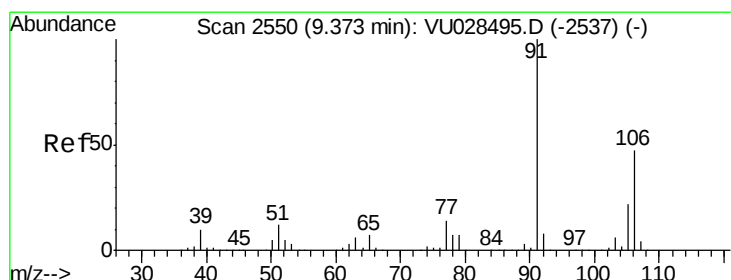
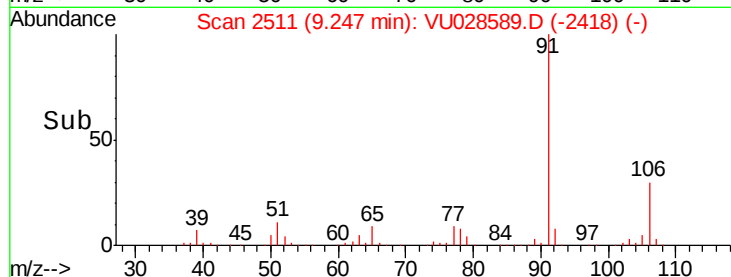
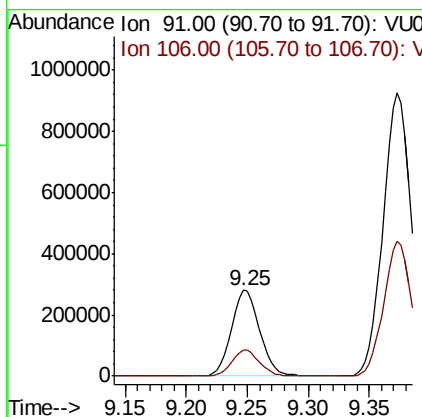
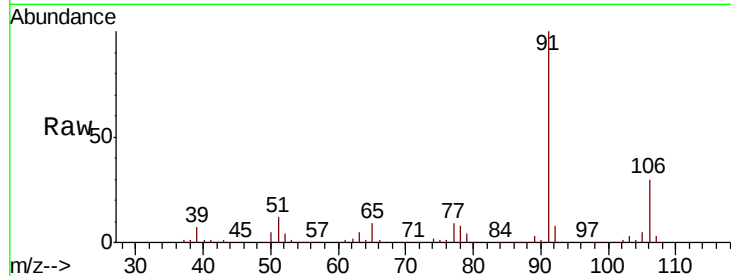
#67
Ethyl Benzene
Concen: 83.018 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion: 91 Resp: 454268
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1

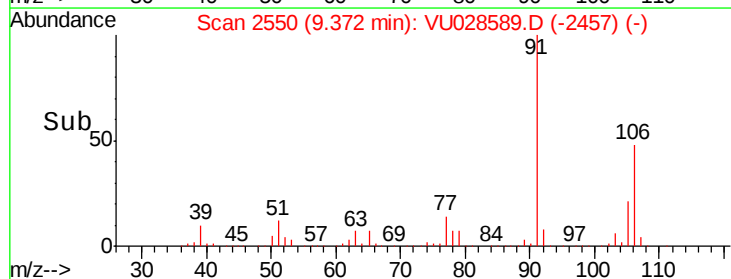
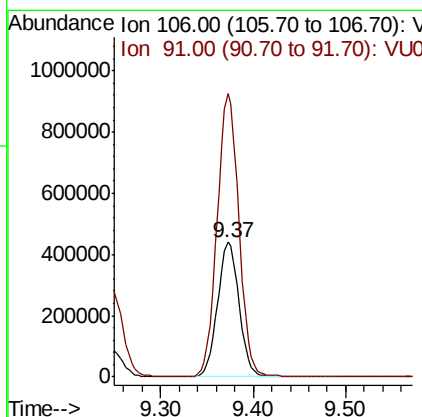
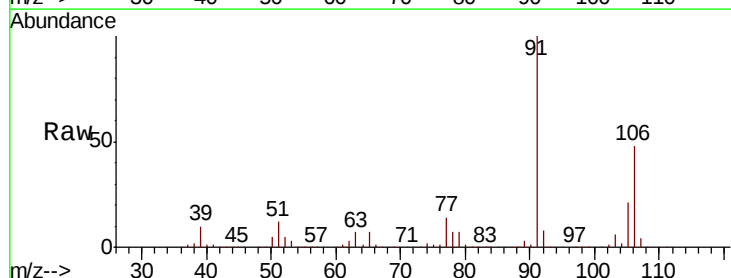
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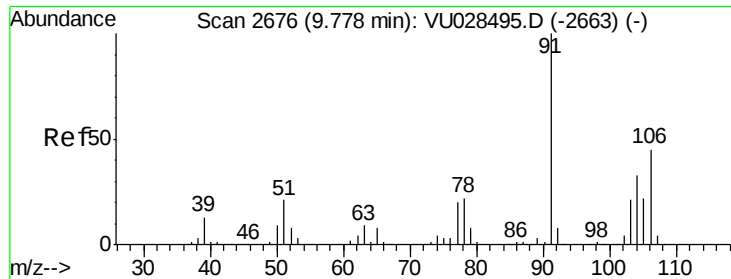
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#68
m/p-Xylenes
Concen: 355.662 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion: 106 Resp: 708150
Ion Ratio Lower Upper
106 100
91 212.5 167.4 251.0





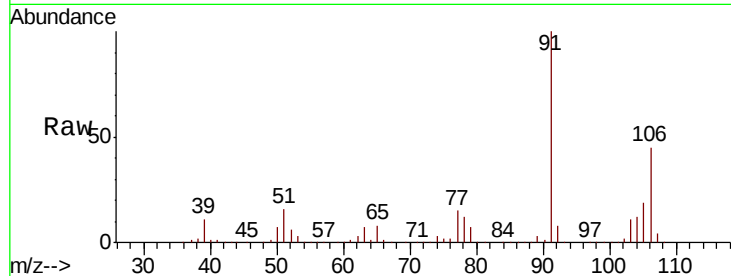
#69
o-Xylene
Concen: 175.023 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

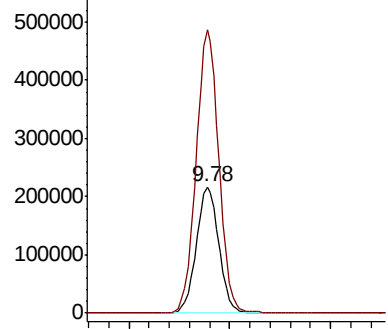
Tot Ion:106 Resp: 338657
Ion Ratio Lower Upper
106 100
91 225.5 111.3 334.0

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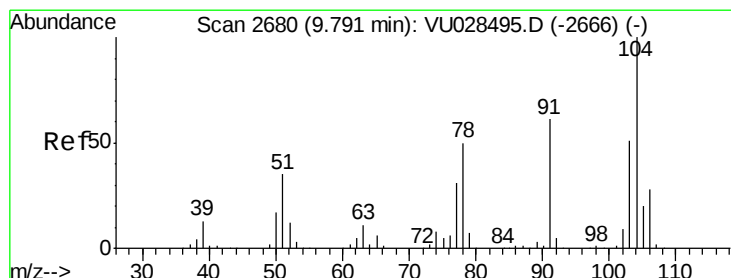
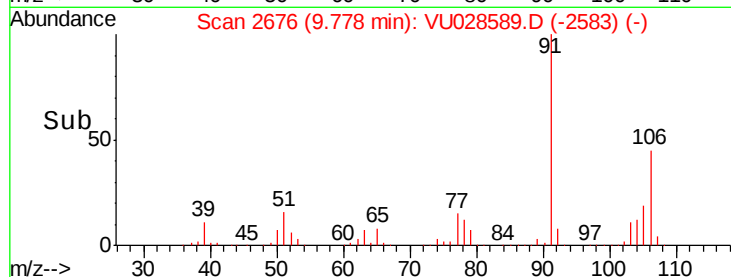
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

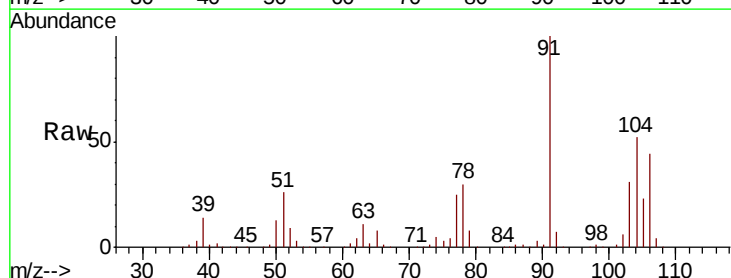


Time-->

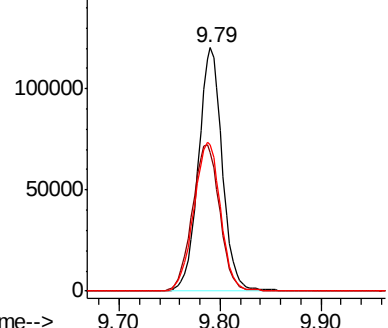


#70
Styrene
Concen: 61.960 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

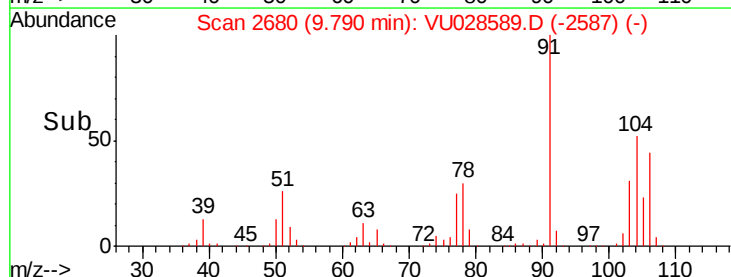
Tgt Ion:104 Resp: 198406
Ion Ratio Lower Upper
104 100
78 69.2 43.0 64.6#
103 68.7 44.2 66.4#

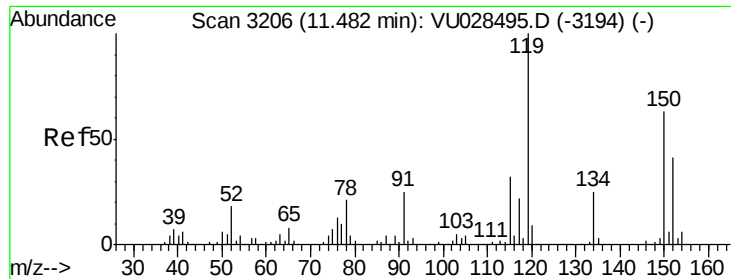


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#72

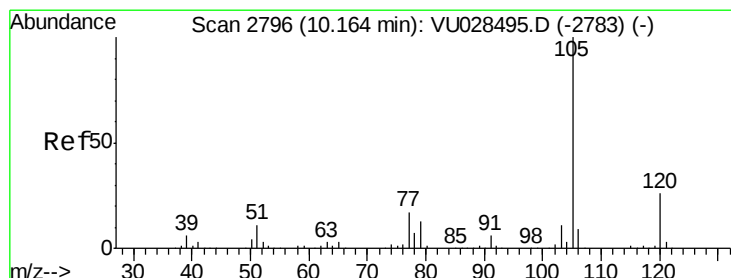
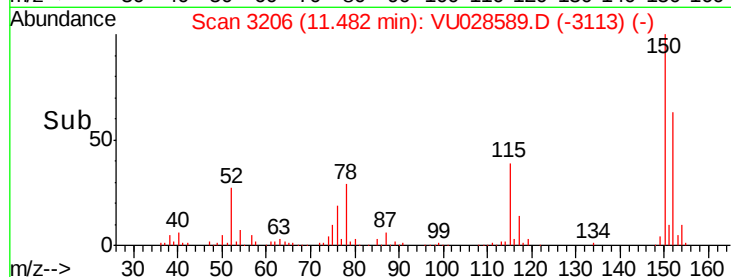
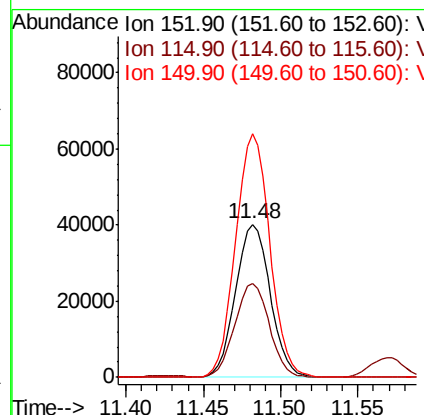
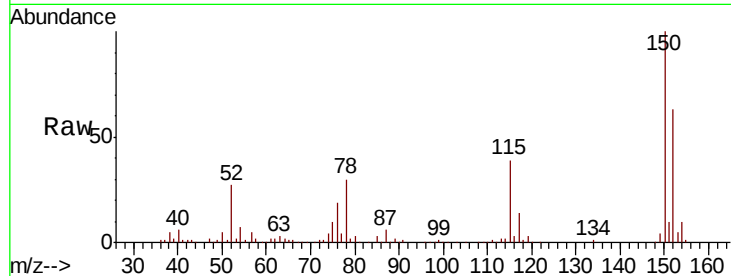
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.7	128.1
150	157.1	0.0	346.0

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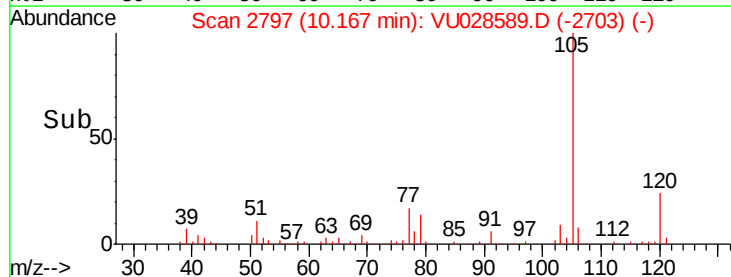
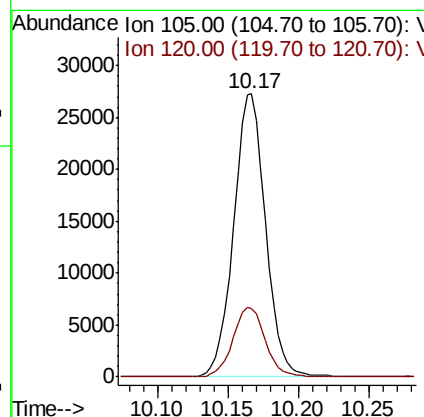
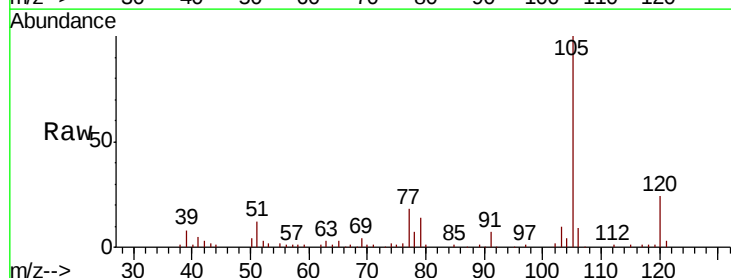
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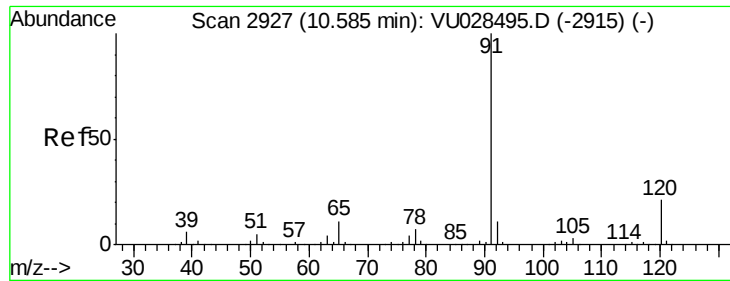


#73

Isopropylbenzene
Concen: 9.006 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.9	38.6





#78

n-propylbenzene

Concen: 19.971 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028589.D

Acq: 11 Dec 2018 07:17

Instrument :

MSVOA_U

ClientSampleId :

P001-SW001-01

Tot Ion: 91 Resp: 118887

Ion Ratio Lower Upper

91 100

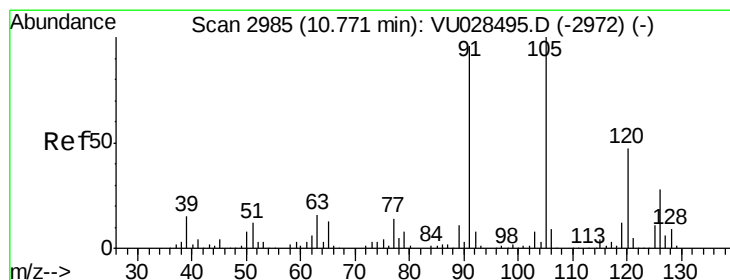
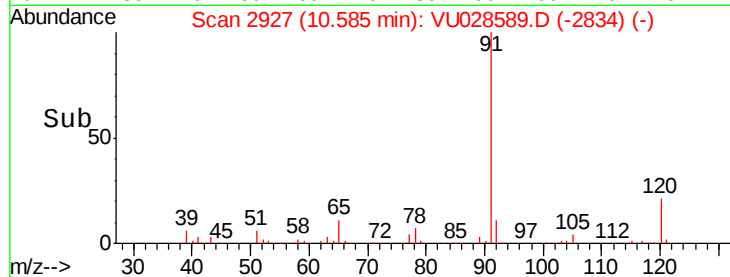
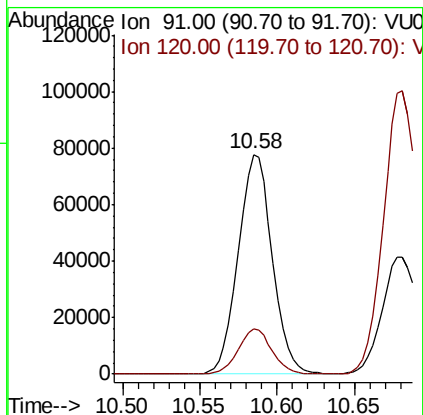
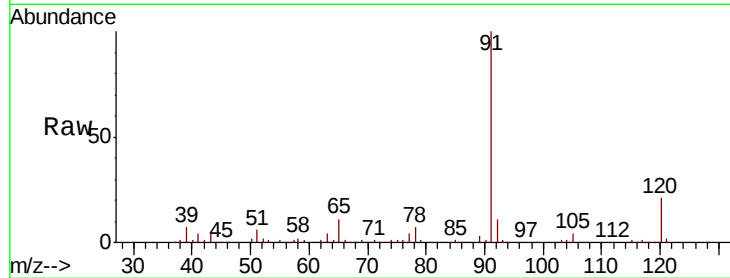
120 20.2 10.6 31.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.591 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028589.D

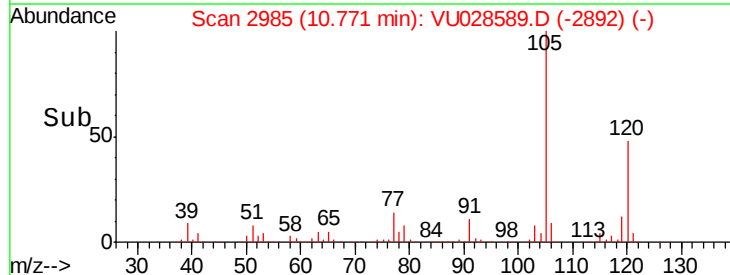
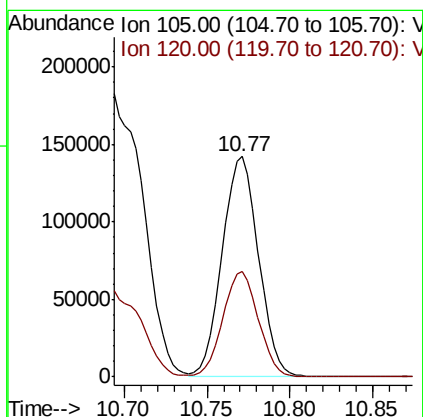
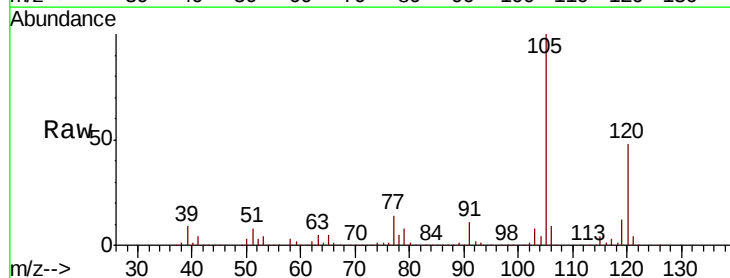
Acq: 11 Dec 2018 07:17

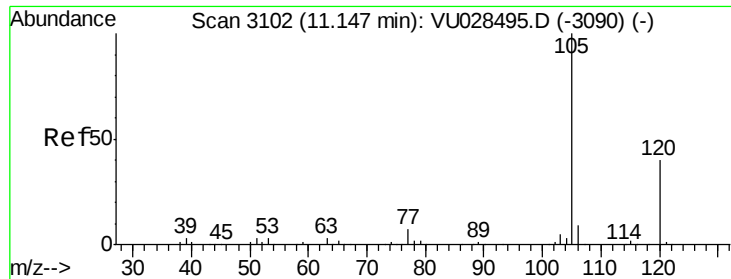
Tgt Ion: 105 Resp: 216488

Ion Ratio Lower Upper

105 100

120 46.8 23.7 71.1





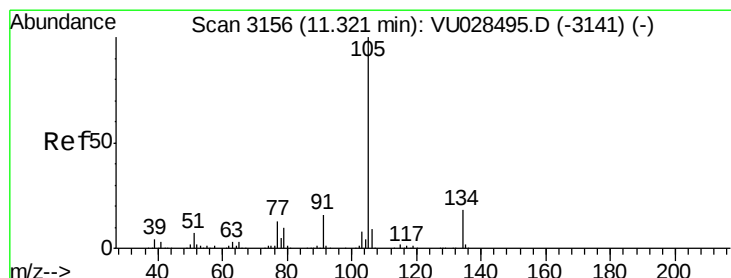
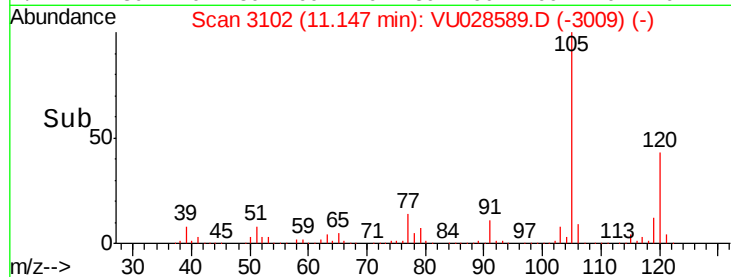
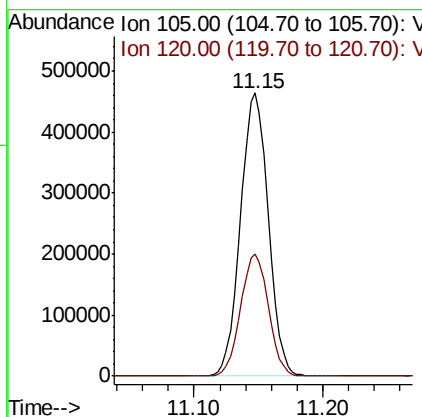
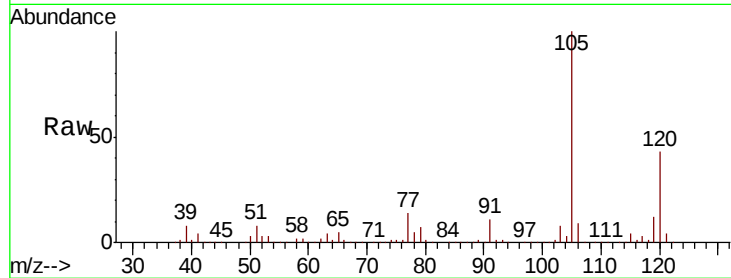
#84
 1,2,4-Trimethylbenzene
 Concen: 170.135 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW001-01

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.8	65.4

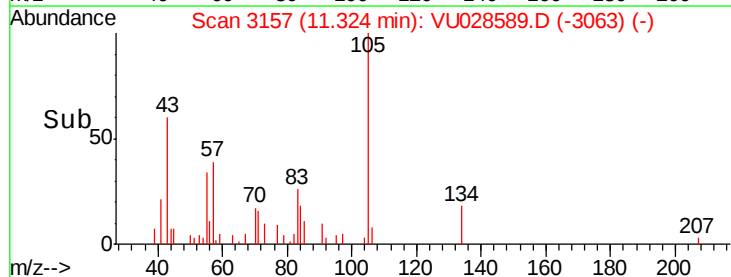
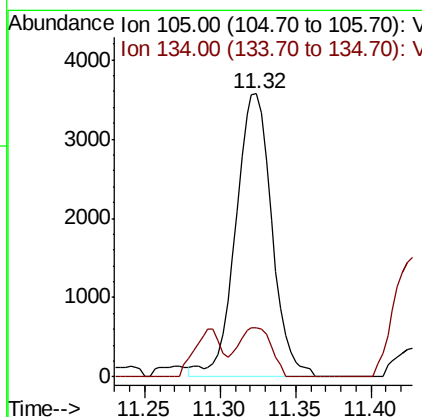
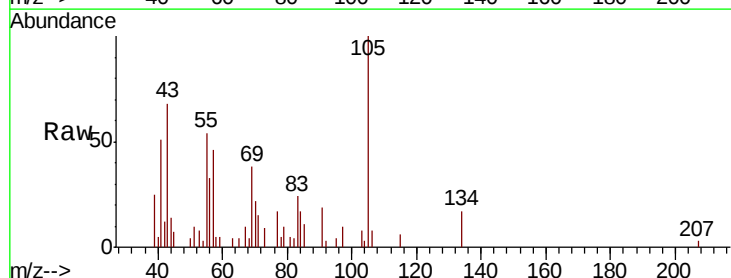
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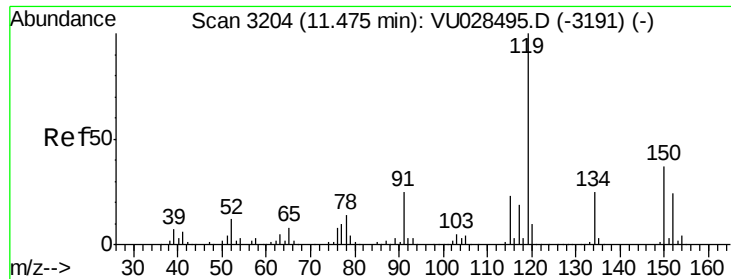
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#85
 sec-Butylbenzene
 Concen: 1.213 ug/l m
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028589.D
 Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	9.2	27.6#





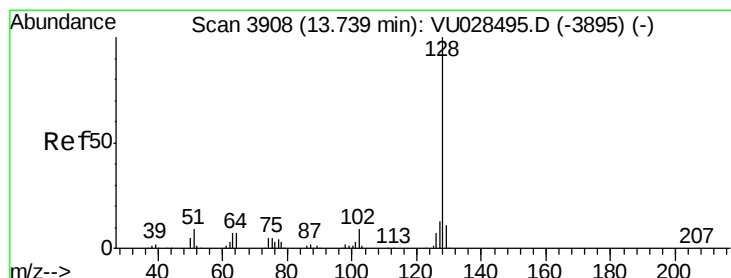
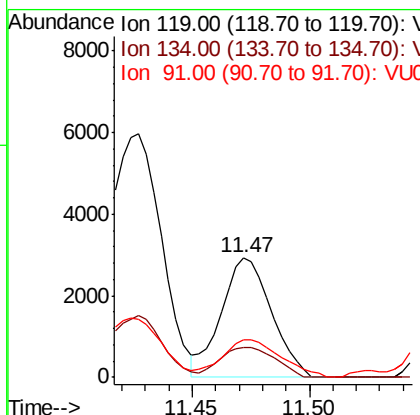
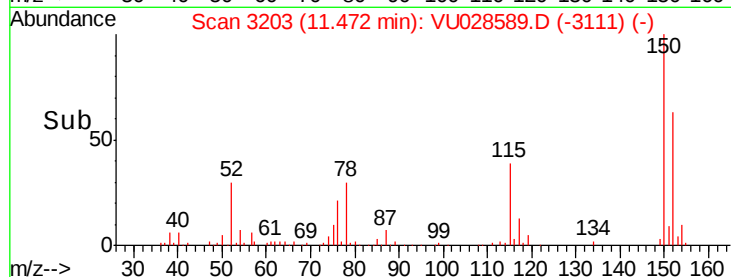
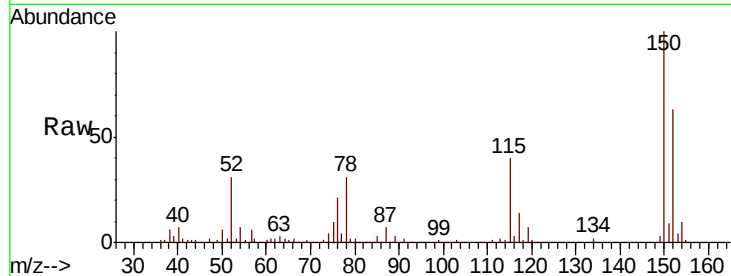
#86
p-Isopropyltoluene
Concen: 1.049 ug/l m
RT: 11.47 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Instrument :
MSVOA_U
ClientSampleId :
P001-SW001-01

Tot Ion	Ratio	Lower	Upper
119	100		
134	53.7	12.7	38.1#
91	65.3	12.6	37.6#

Manual Integrations
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#95
Naphthalene
Concen: 37.959 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028589.D
Acq: 11 Dec 2018 07:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.6	13.0

