

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028045.D
 Acq On : 09 Nov 2018 15:23
 Operator : MD/SY
 Sample : J5885-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2

Manual Integrations
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 11/12/2018 12:02:09 PM

Quant Time: Nov 12 07:07:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	202933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	400326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	362768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	155420	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	176160	58.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.78%	
35) Dibromofluoromethane	4.89	113	129073	51.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.28%	
50) Toluene-d8	7.57	98	521927	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	10.31	95	175174	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	16998669m	5491.842	ug/l	
12) 1,1-Dichloroethene	2.29	96	31204	14.672	ug/l	97
16) Acetone	2.33	43	3896	2.081	ug/l #	88
17) Carbon Disulfide	2.51	76	99241	14.276	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	431660	175.867	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	33415923m	12140.582	ug/l	
40) Benzene	5.40	78	4143	0.323	ug/l	95
44) Trichloroethene	6.19	130	437825	158.894	ug/l	99
52) Toluene	7.64	92	7087	0.940	ug/l	96
64) Tetrachloroethene	8.23	164	921142	391.594	ug/l	98
65) Chlorobenzene	9.12	112	5199	0.678	ug/l	98
68) m/p-Xylenes	9.38	106	3568	0.697	ug/l	97
69) o-Xylene	9.78	106	9155	1.771	ug/l	97
73) Isopropylbenzene	10.17	105	20773	1.725	ug/l	100
78) n-propylbenzene	10.59	91	7488	0.520	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	8620	0.864	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	11808	1.176	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	7641	1.490	ug/l	97

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

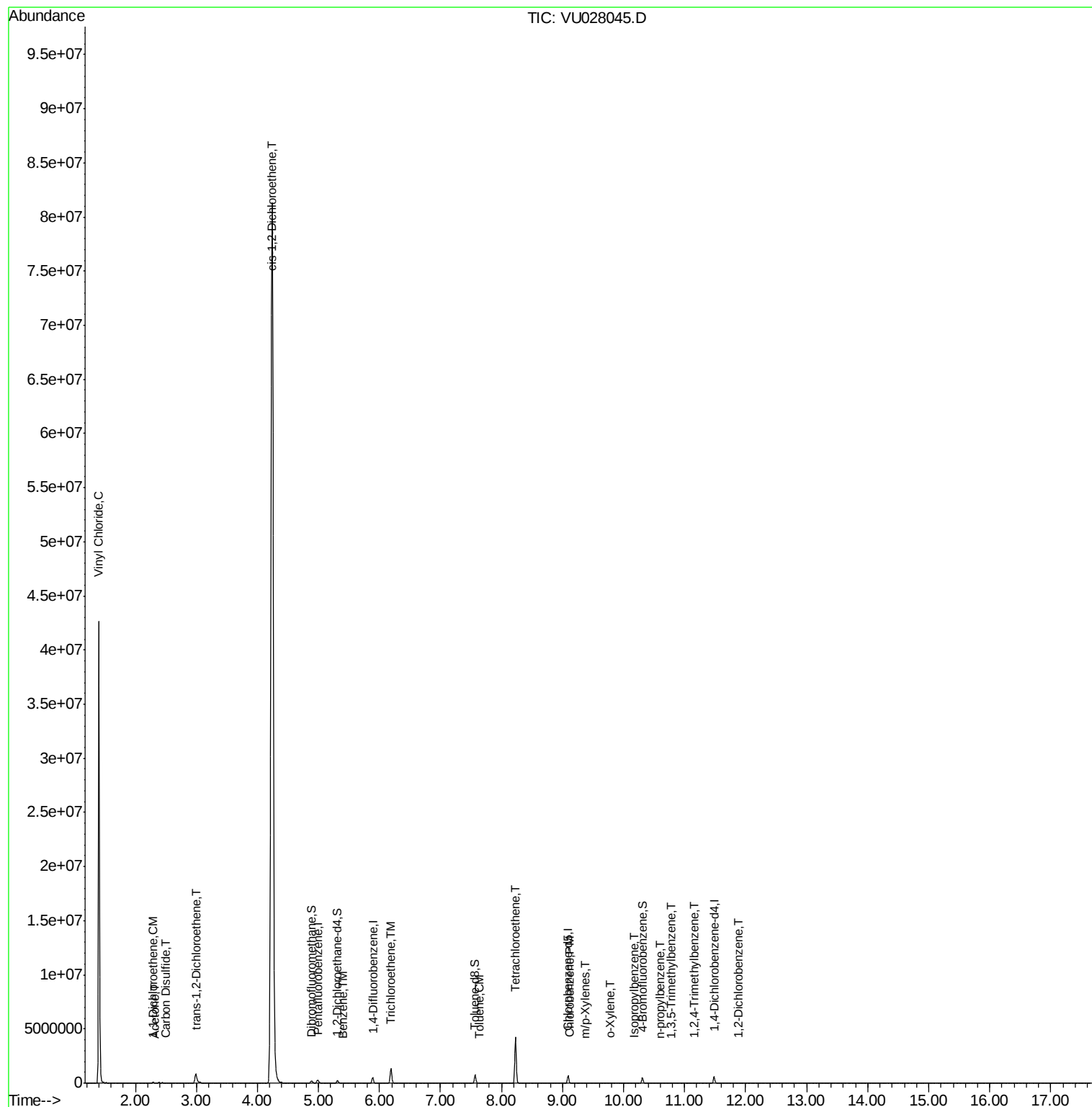
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU110918\
Data File : VU028045.D
Acq On : 09 Nov 2018 15:23
Operator : MD/SY
Sample : J5885-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

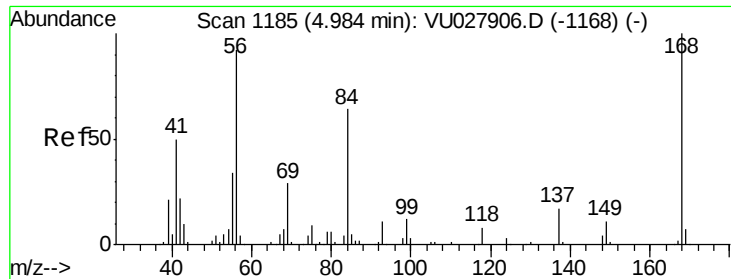
Instrument :
MSVOA_U
ClientSampled :
MW-2

Manual Integrations
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Quant Time: Nov 12 07:07:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

Instrument :

MSVOA_U

ClientSampleId :

MW-2

Tot Ion:168 Resp: 202933

Ion Ratio Lower Upper

168 100

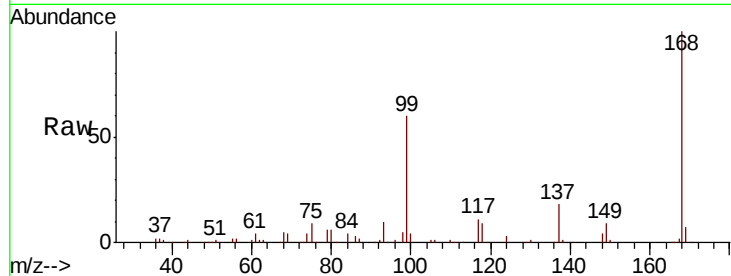
99 59.7 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

4.99

100000

80000

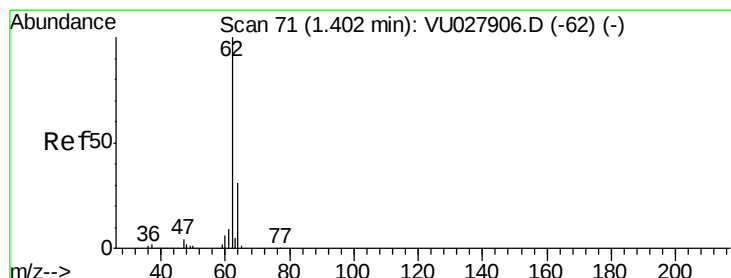
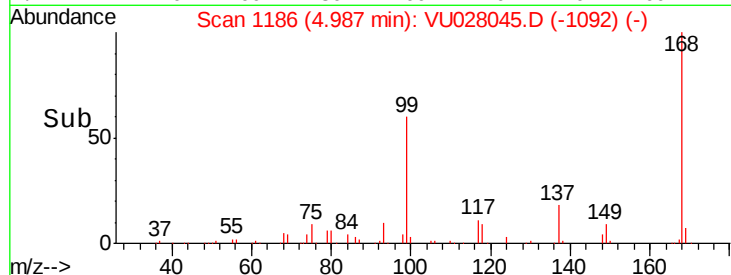
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 5491.842 ug/l m

RT: 1.39 min Scan# 68

Delta R.T. -0.01 min

Lab File: VU028045.D

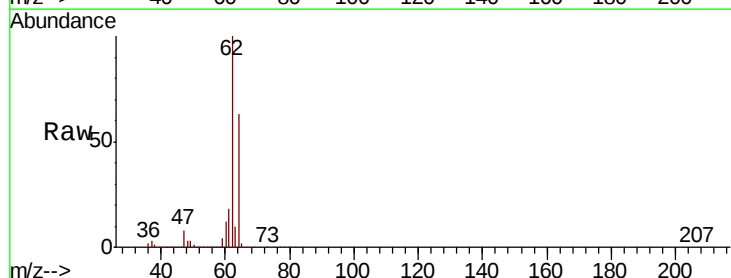
Acq: 09 Nov 2018 15:23

Tgt Ion: 62 Resp:16998669

Ion Ratio Lower Upper

62 100

64 63.4 25.2 37.8#



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU027906.D (-62) (-)

1.39

8000000

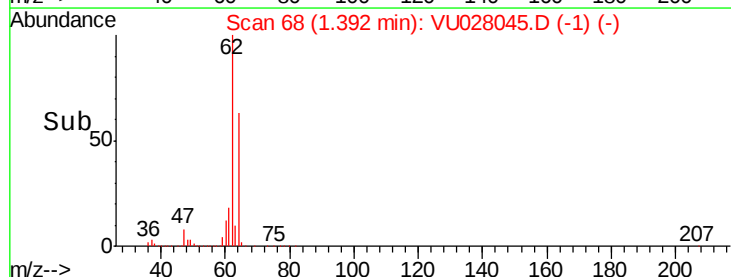
6000000

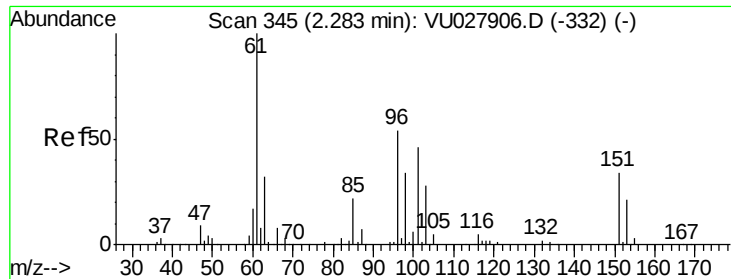
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2000000

0

Time-->





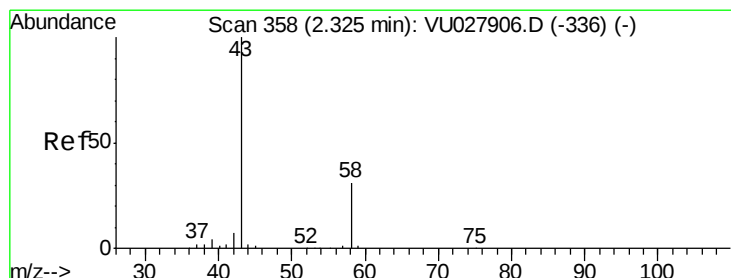
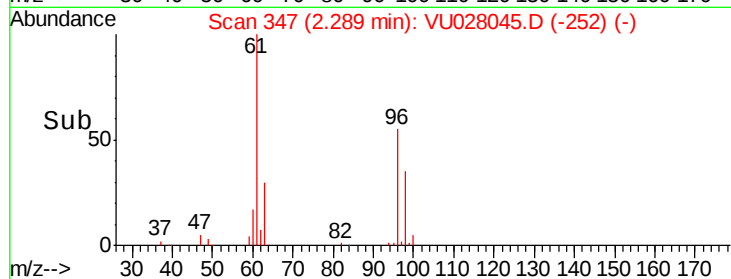
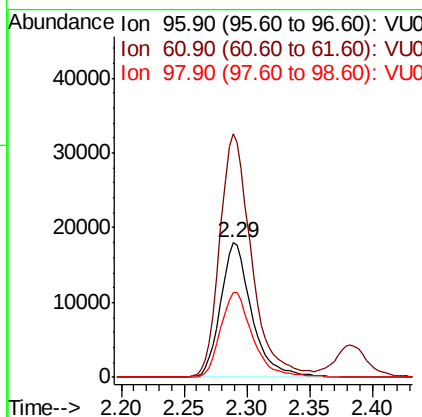
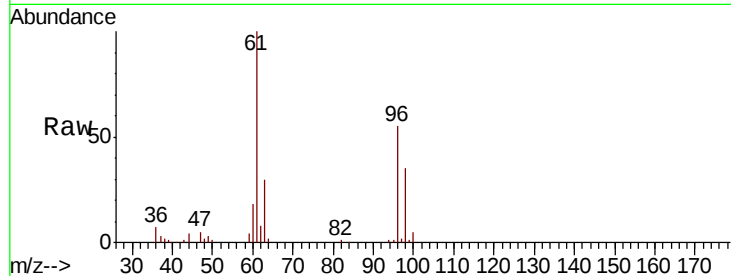
#12
 1,1-Dichloroethene
 Concen: 14.672 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. 0.01 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
96	100		
61	181.1	149.3	223.9
98	62.9	50.6	75.8

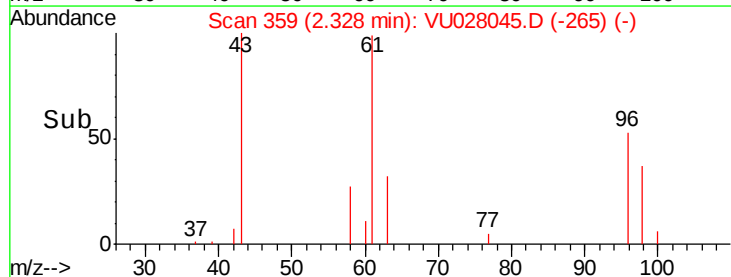
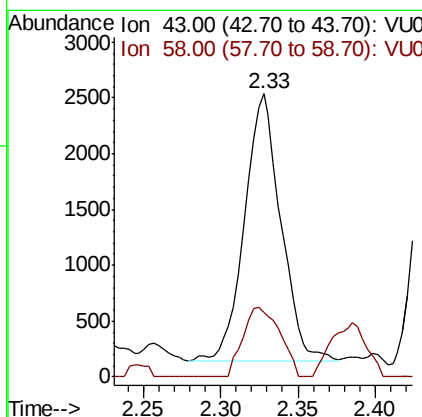
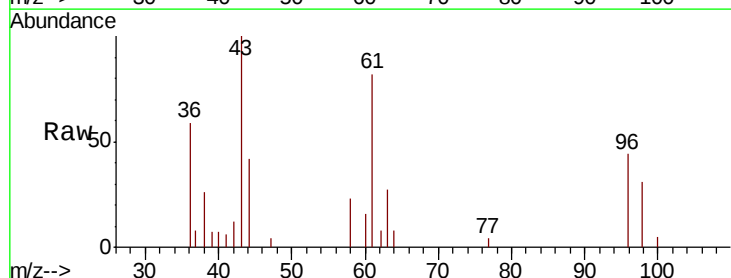
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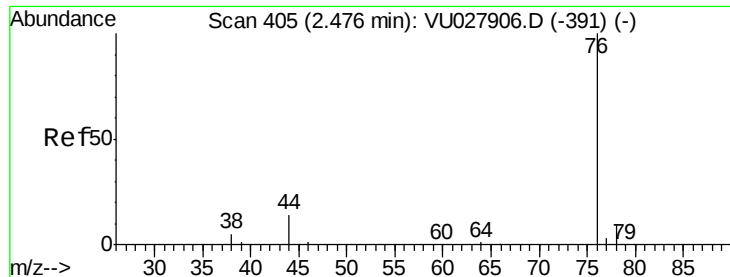
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#16
 Acetone
 Concen: 2.081 ug/l
 RT: 2.33 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.1	24.6	37.0#





#17

Carbon Disulfide

Concen: 14.276 ug/l

RT: 2.51 min Scan# 416

Delta R.T. 0.04 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

Instrument :

MSVOA_U

ClientSampled :

MW-2

Tot Ion: 76 Resp: 99241

Ion Ratio Lower Upper

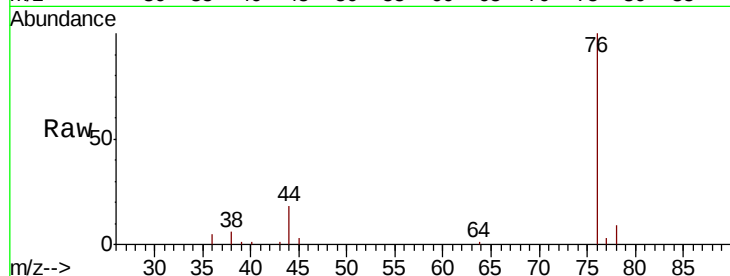
76 100

78 8.7 7.4 11.0

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-391) (-)

Ion 77.90 (77.60 to 78.60): VU027906.D (-391) (-)

20000

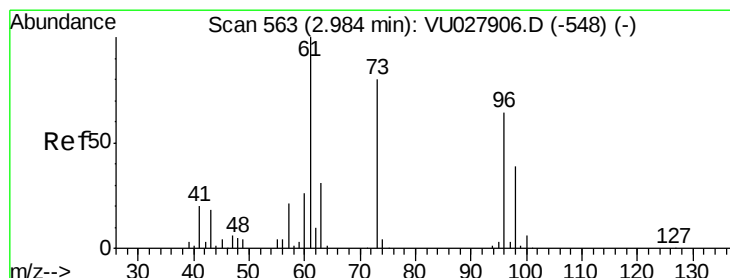
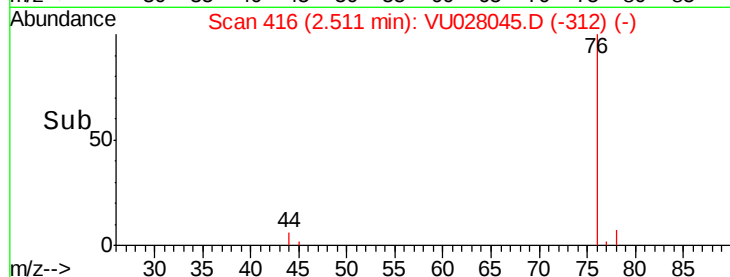
15000

10000

5000

0

Time-->



#21

trans-1,2-Dichloroethene

Concen: 175.867 ug/l

RT: 2.99 min Scan# 565

Delta R.T. 0.01 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

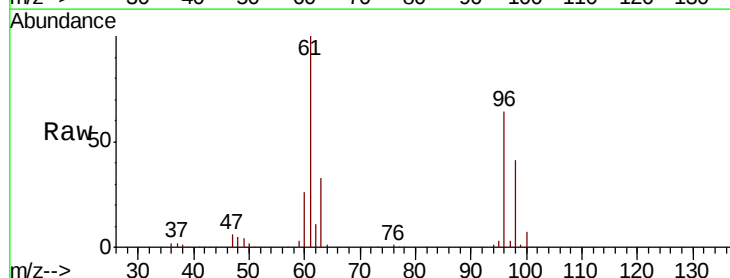
Tgt Ion: 96 Resp: 431660

Ion Ratio Lower Upper

96 100

61 156.8 125.0 187.6

98 63.7 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)

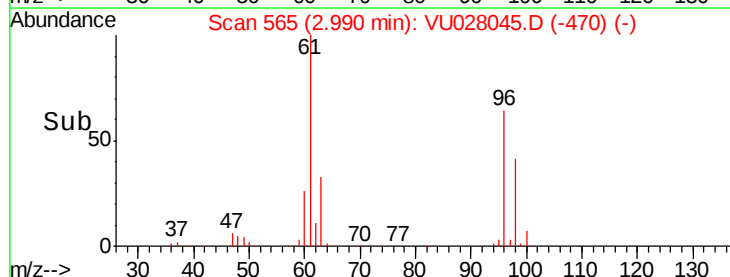
300000

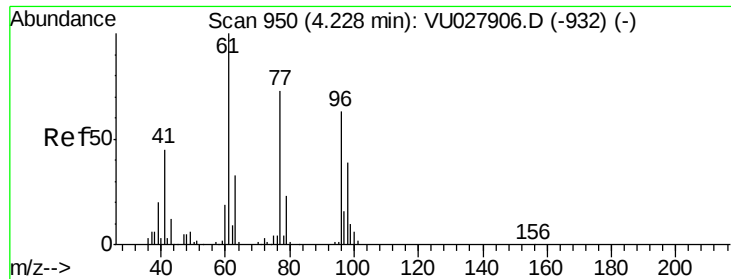
200000

100000

0

Time-->





#27

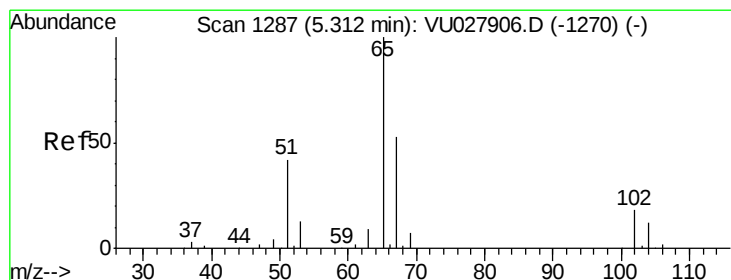
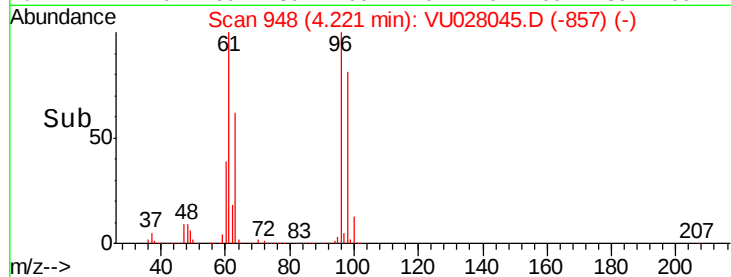
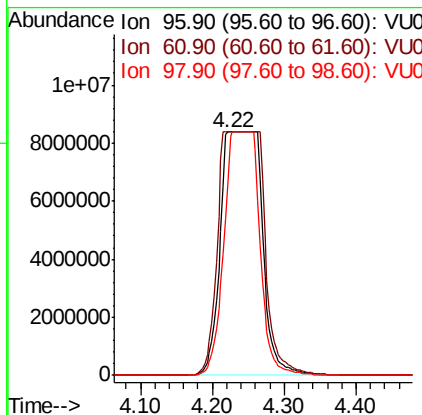
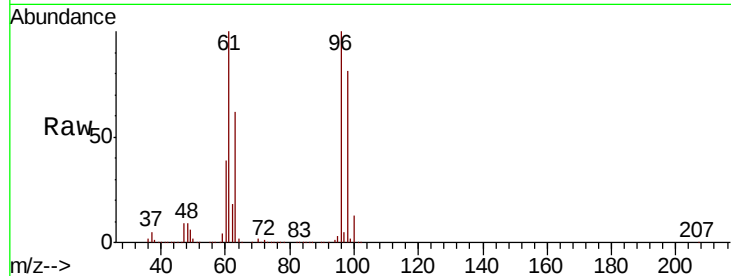
cis-1,2-Dichloroethene
 Concen: 12140.582 ug/l m
 RT: 4.22 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2

Tot Ion: 96 Resp: 33415923
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 329.6
 98 0.0 0.0 127.2

Manual Integrations
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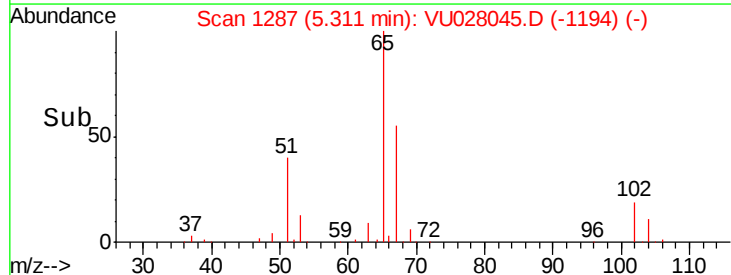
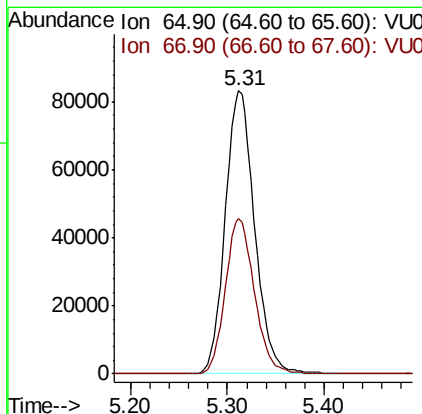
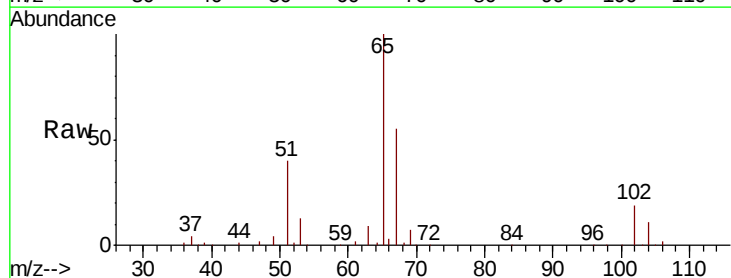
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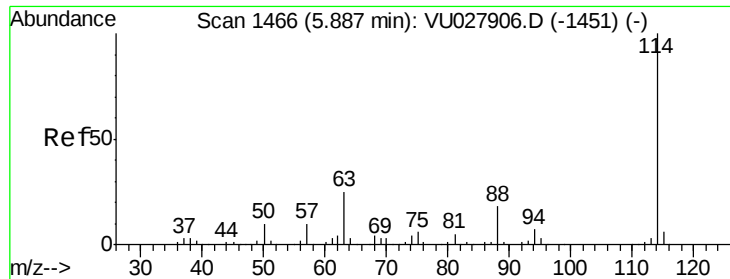


#33

1,2-Dichloroethane-d4
 Concen: 58.387 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Tgt Ion: 65 Resp: 176160
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.0





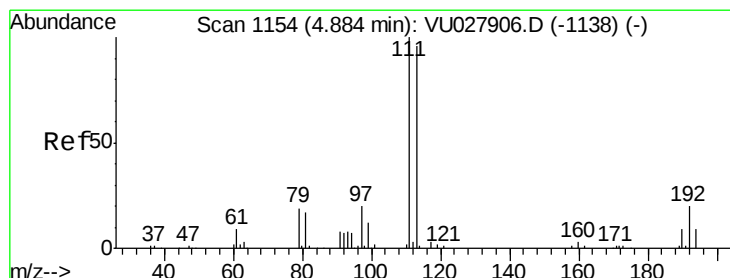
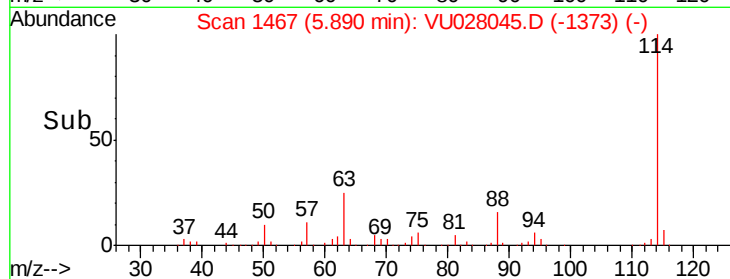
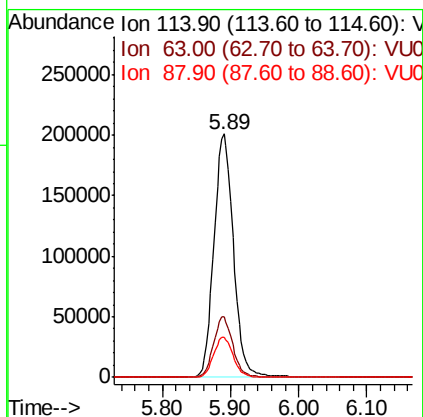
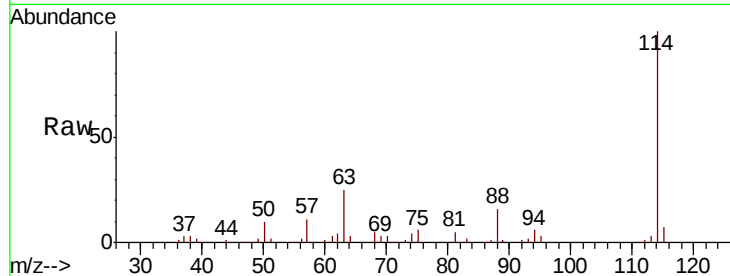
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2

Tot Ion	Ratio	Resp	Lower	Upper
114	100	400326		
63	24.8		0.0	50.8
88	16.5		0.0	35.8

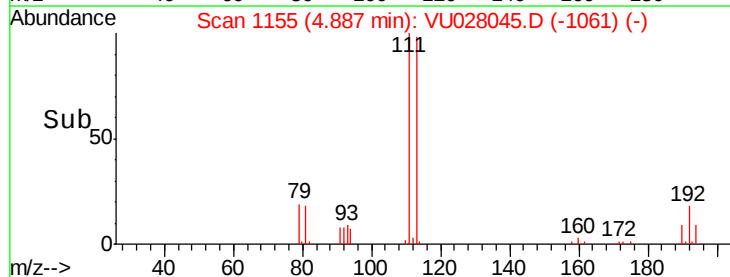
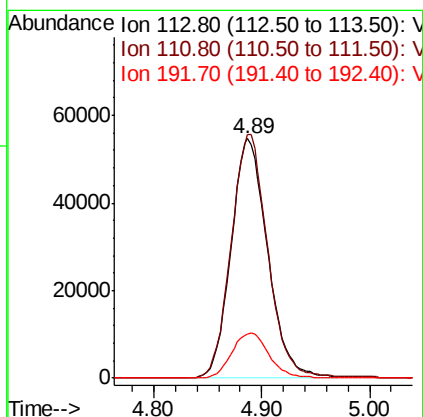
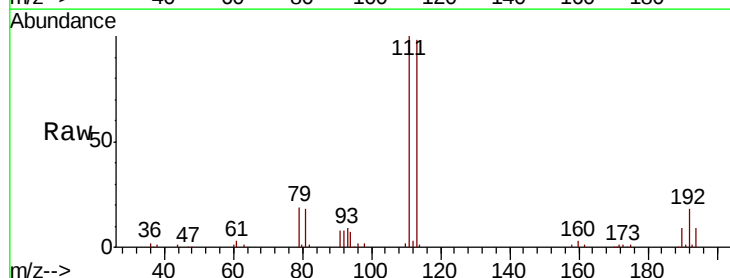
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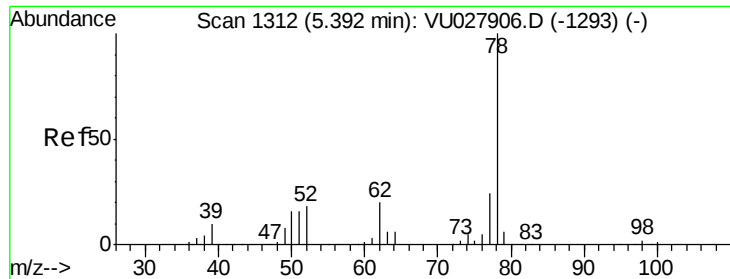
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#35
 Dibromofluoromethane
 Concen: 51.136 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	129073		
111	102.4		83.0	124.6
192	19.2		15.6	23.4





#40

Benzene

Concen: 0.323 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

Instrument :

MSVOA_U

ClientSampleId :

MW-2

Tot Ion: 78 Resp: 4143

Ion Ratio Lower Upper

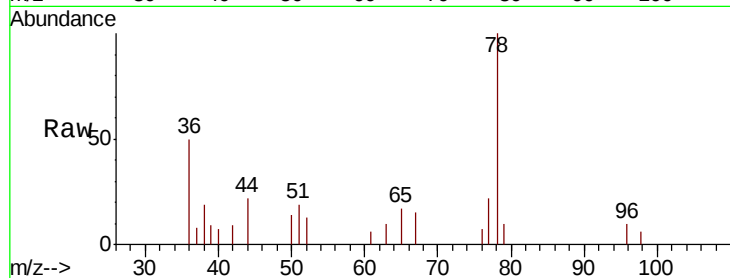
78 100

77 21.9 19.3 28.9

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Abundance Ion 78.00 (77.70 to 78.70): VU027906.D (-1293) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-1293) (-)

5.40

1500

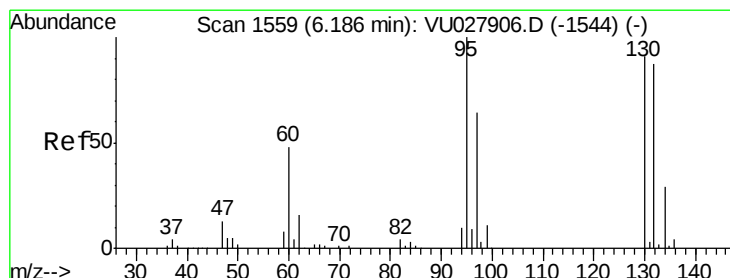
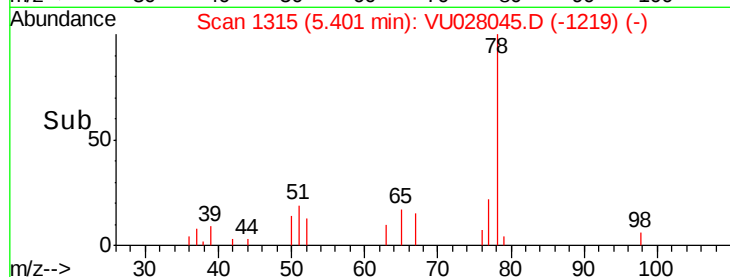
1000

500

0

5.35 5.40 5.45

Time-->



#44

Trichloroethene

Concen: 158.894 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028045.D

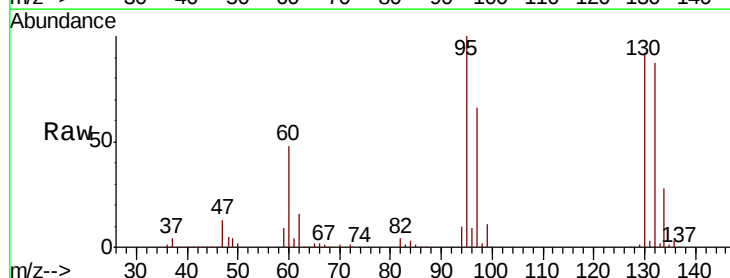
Acq: 09 Nov 2018 15:23

Tgt Ion:130 Resp: 437825

Ion Ratio Lower Upper

130 100

95 108.8 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027906.D (-1544) (-)

6.19

250000

200000

150000

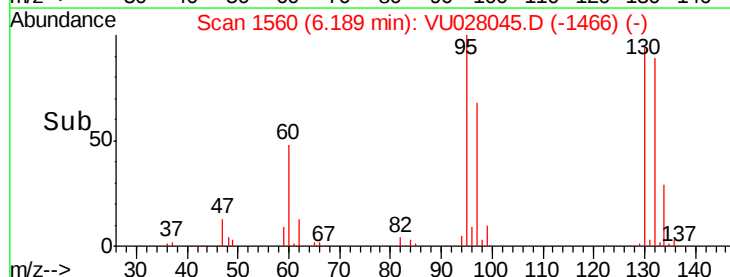
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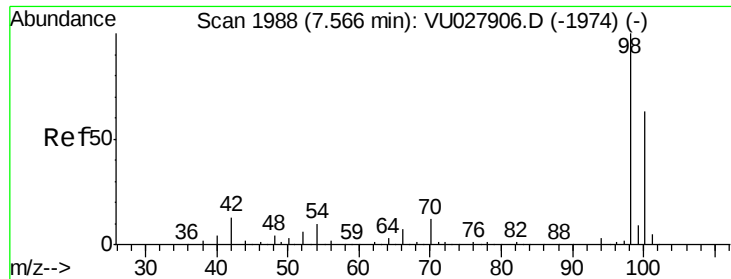
50000

0

6.10 6.20 6.30

Time-->





#50

Toluene-d8

Concen: 53.529 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

Instrument :

MSVOA_U

ClientSampled :

MW-2

Tot Ion: 98 Resp: 521927

Ion Ratio Lower Upper

98 100

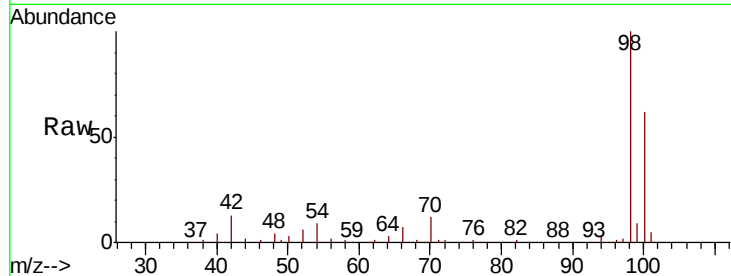
100 62.5 50.1 75.1

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

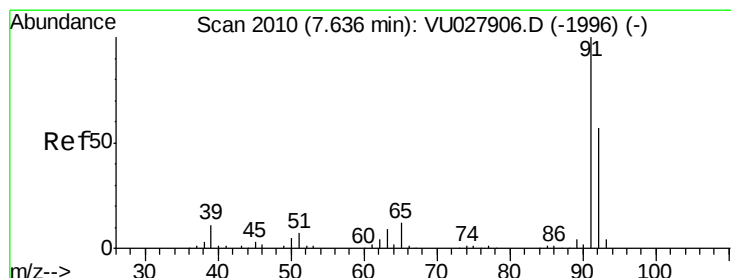
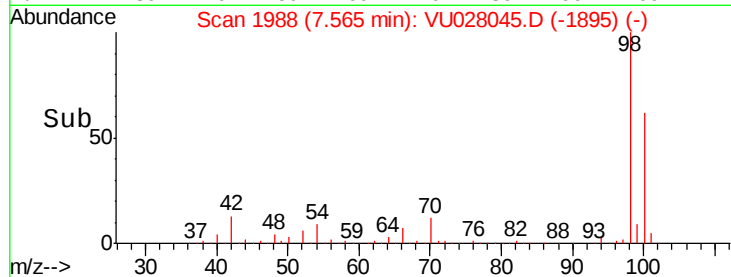
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.940 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU028045.D

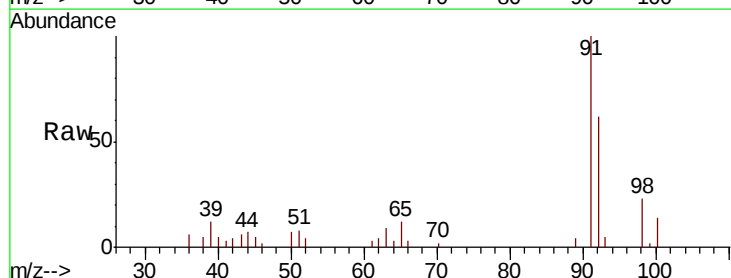
Acq: 09 Nov 2018 15:23

Tgt Ion: 92 Resp: 7087

Ion Ratio Lower Upper

92 100

91 170.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

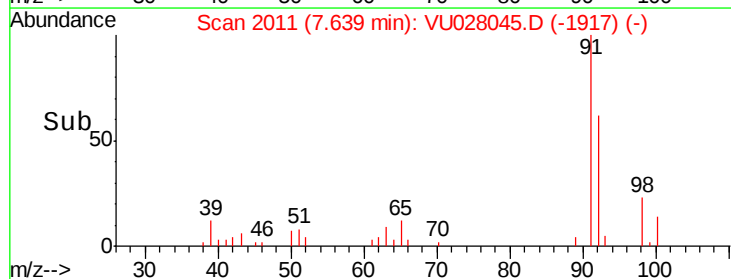
6000

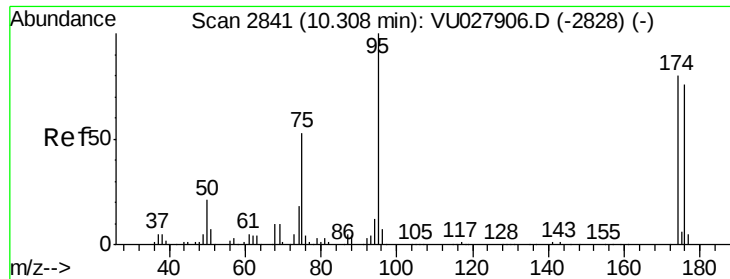
4000

2000

0

Time-->





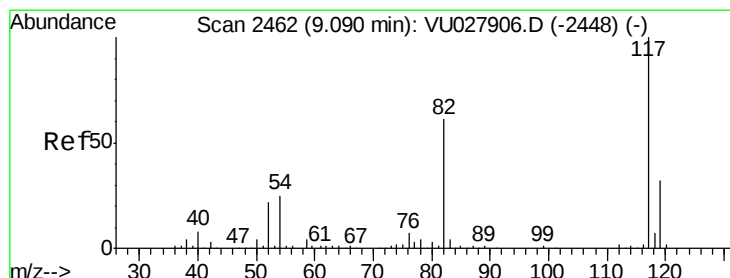
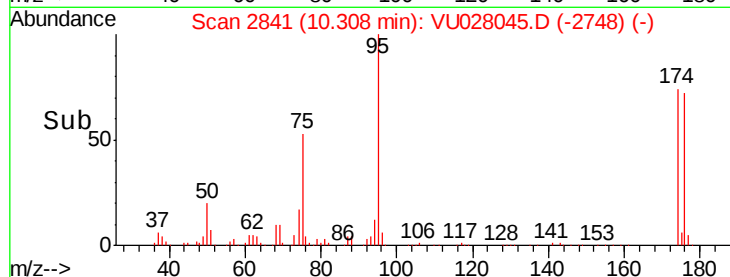
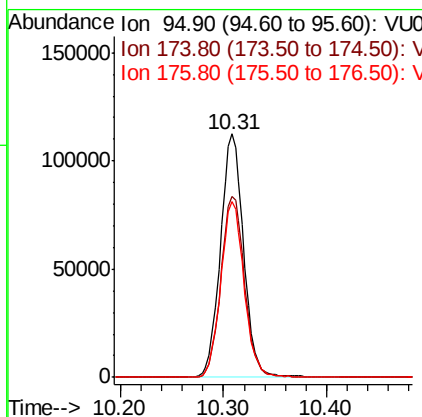
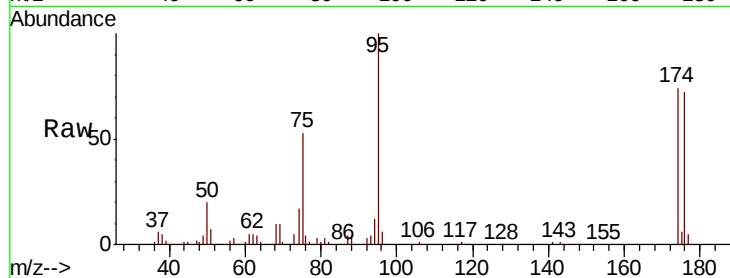
#62
4-Bromofluorobenzene
Concen: 48.708 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU028045.D
Acq: 09 Nov 2018 15:23

Instrument :
MSVOA_U
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
95	100	175174		
174	76.1	0.0	156.4	
176	72.7	0.0	150.8	

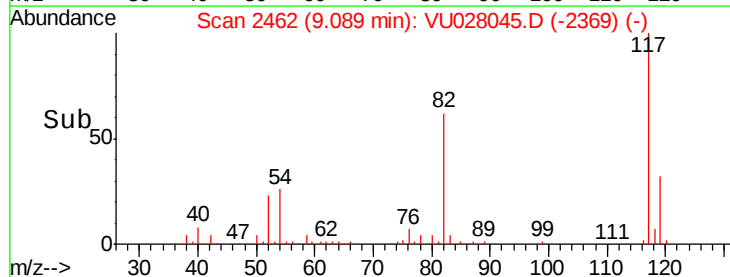
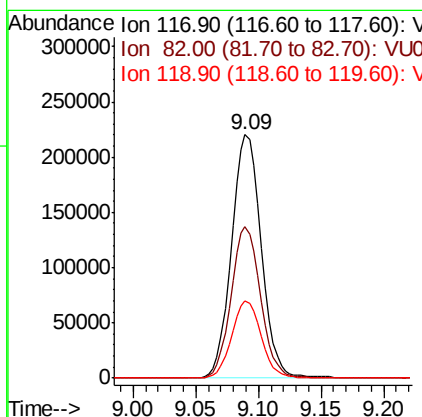
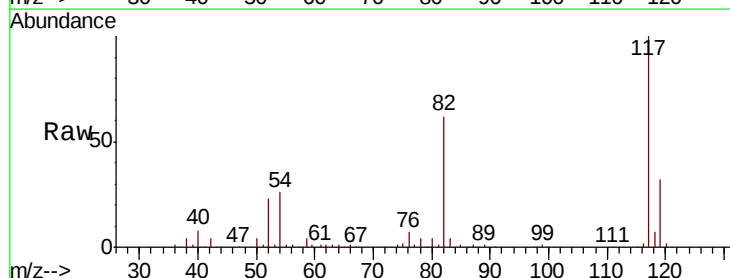
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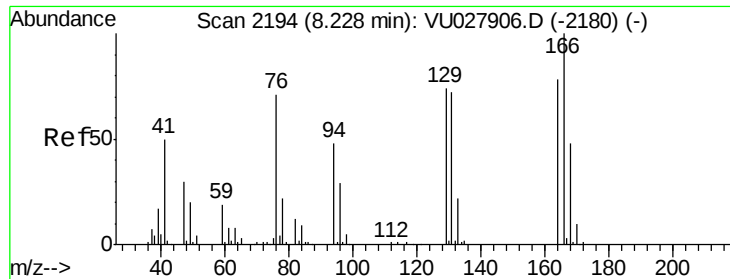
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028045.D
Acq: 09 Nov 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	362768		
82	62.0	48.6	73.0	
119	31.7	25.8	38.8	





#64

Tetrachloroethene

Concen: 391.594 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

Instrument :

MSVOA_U

ClientSampleId :

MW-2

Tot Ion:164 Resp: 921142

Ion Ratio Lower Upper

164 100

166 128.0 102.1 153.1

129 98.2 75.9 113.9

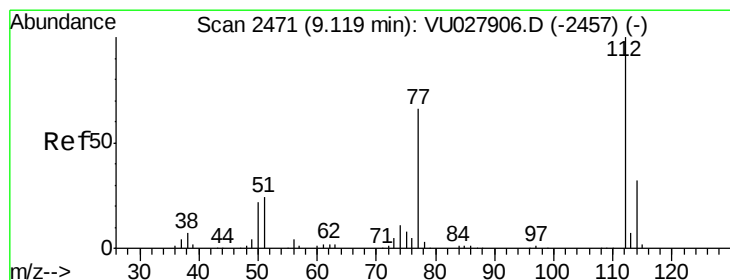
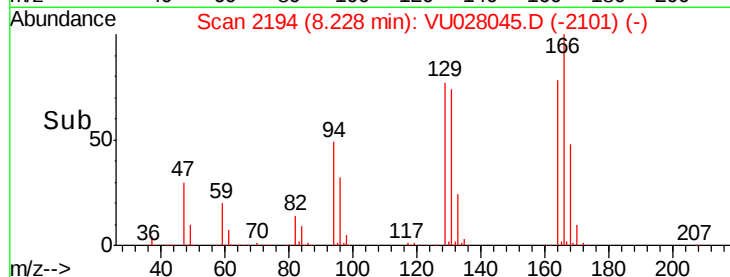
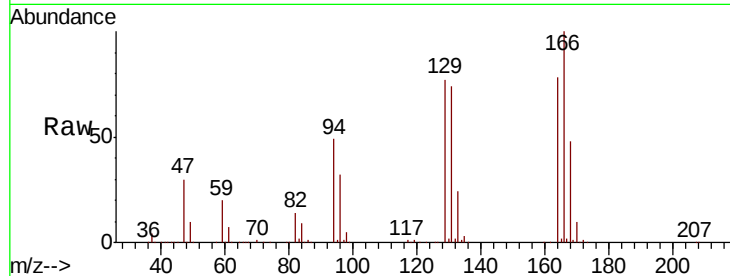
131 94.4 73.0 109.6

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#65

Chlorobenzene

Concen: 0.678 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VU028045.D

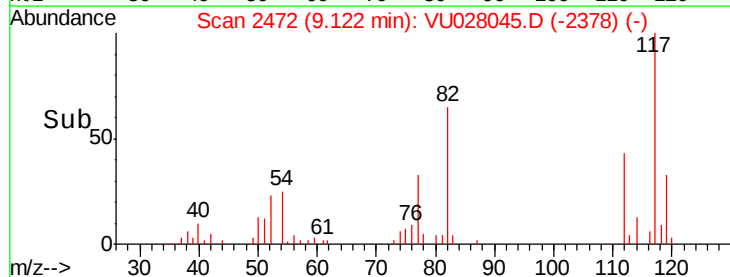
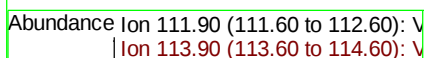
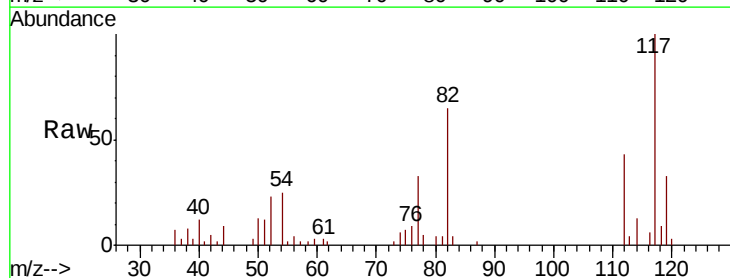
Acq: 09 Nov 2018 15:23

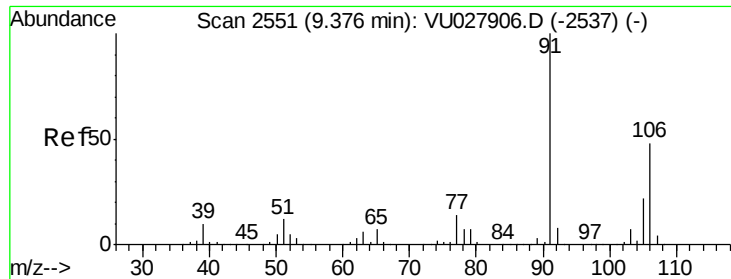
Tgt Ion:112 Resp: 5199

Ion Ratio Lower Upper

112 100

114 30.6 25.2 37.8





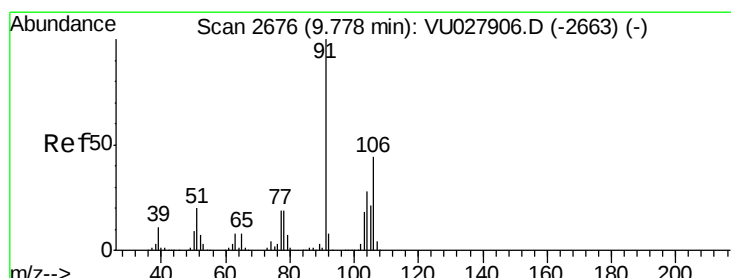
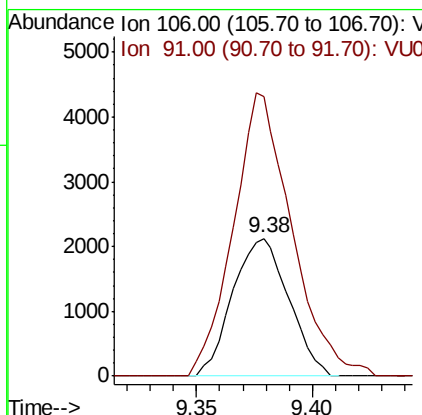
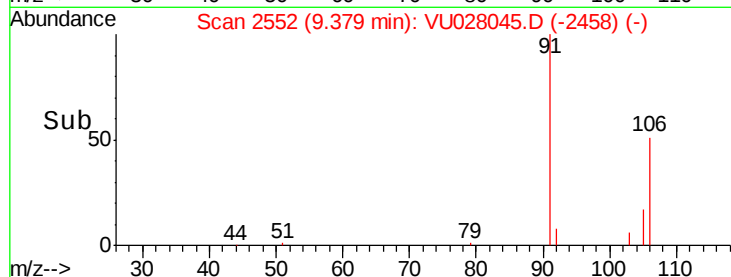
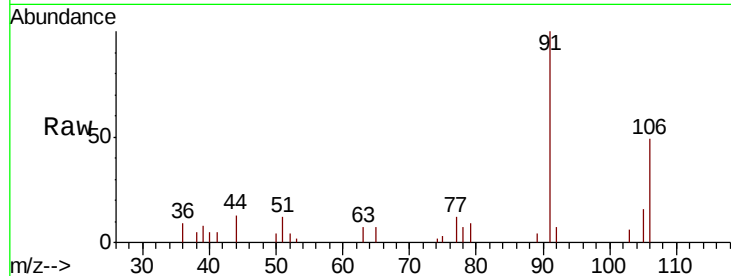
#68
m/p-Xylenes
Concen: 0.697 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU028045.D
Acq: 09 Nov 2018 15:23

Instrument :
MSVOA_U
ClientSampled :
MW-2

Tot Ion:106 Resp: 3568
Ion Ratio Lower Upper
106 100
91 214.4 168.2 252.4

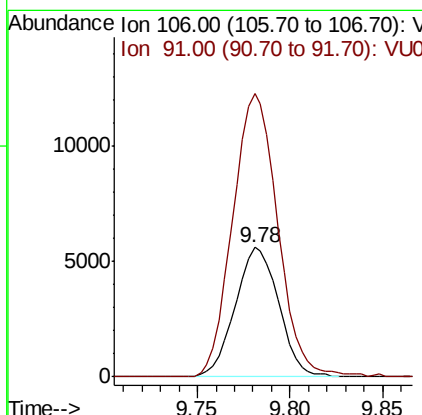
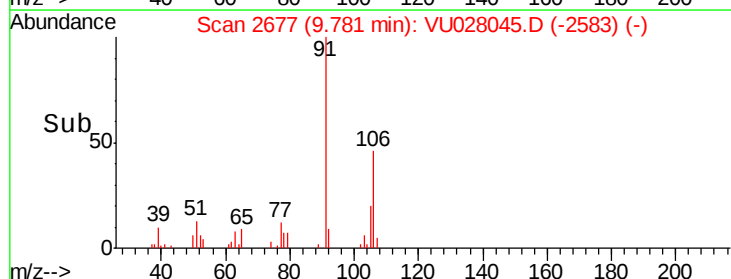
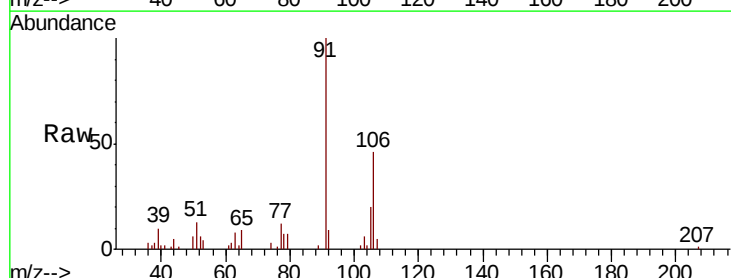
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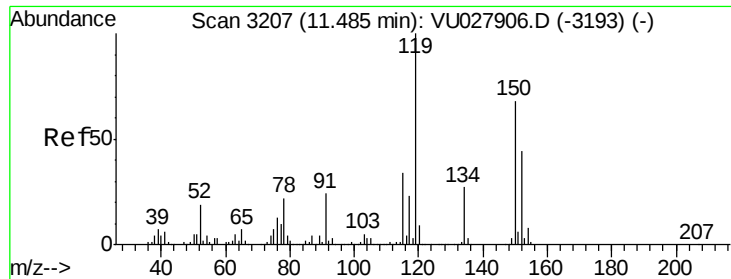
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#69
o-Xylene
Concen: 1.771 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028045.D
Acq: 09 Nov 2018 15:23

Tgt Ion:106 Resp: 9155
Ion Ratio Lower Upper
106 100
91 226.9 111.1 333.4





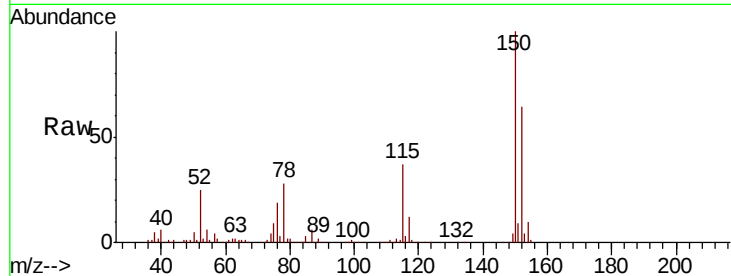
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	155420		
115	59.4	43.0	129.0	
150	156.1	0.0	349.4	

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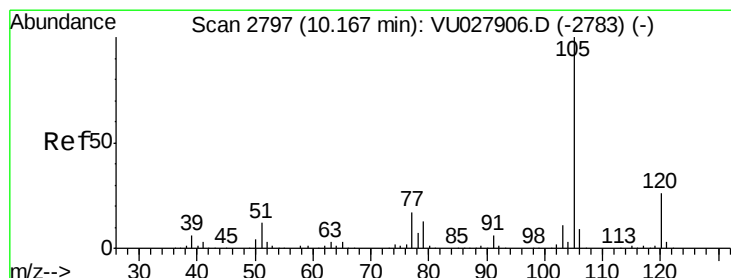
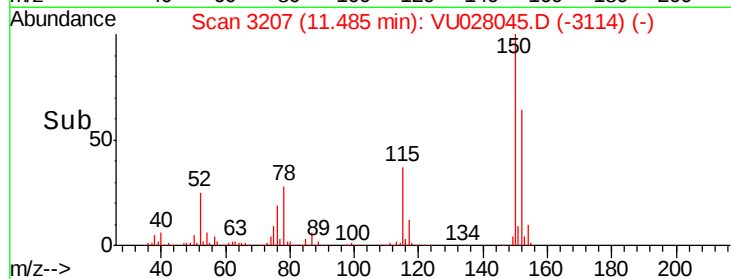
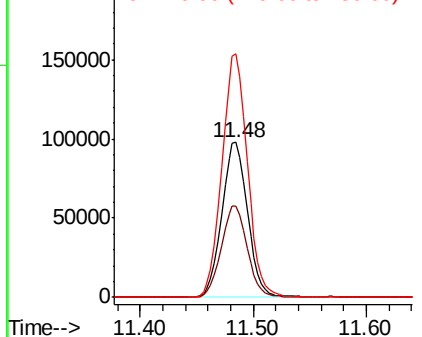


Abundance

Ion 151.90 (151.60 to 152.60): V

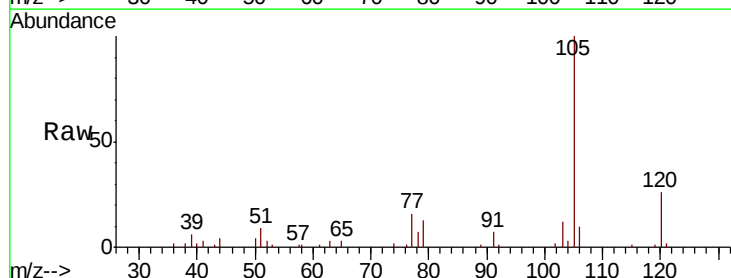
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 1.725 ug/l
 RT: 10.17 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

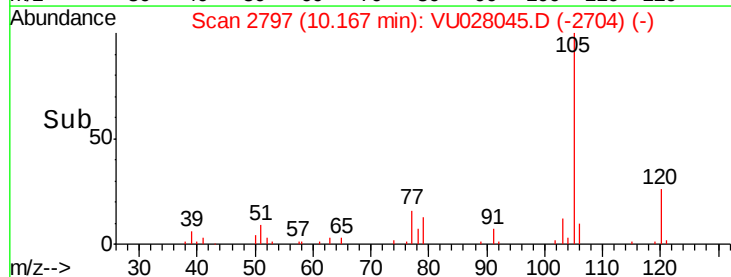
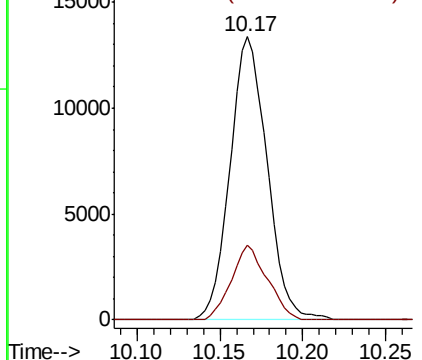
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20773		
120	25.5	12.7	38.0	

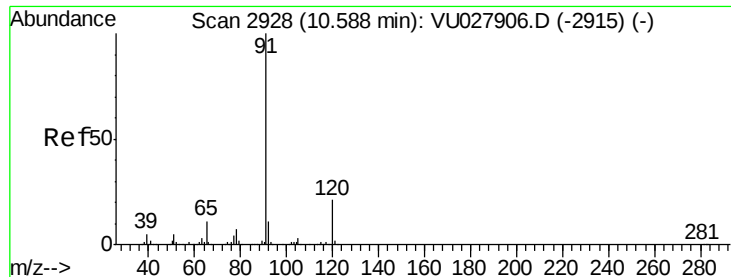


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.520 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU028045.D

Acq: 09 Nov 2018 15:23

Instrument :

MSVOA_U

ClientSampled :

MW-2

Tot Ion: 91 Resp: 7488

Ion Ratio Lower Upper

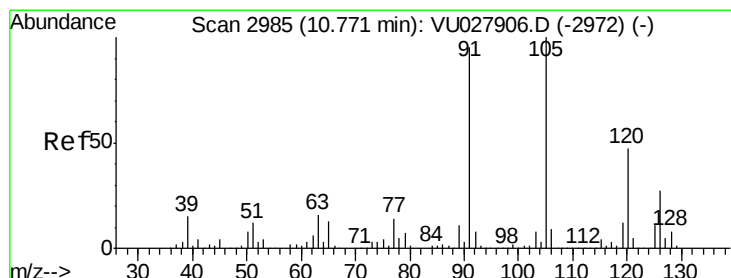
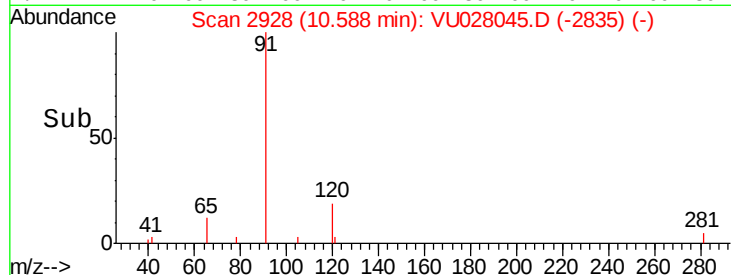
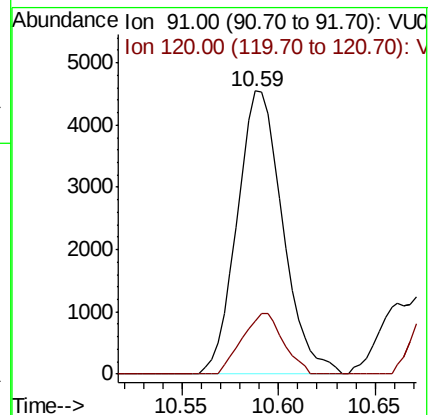
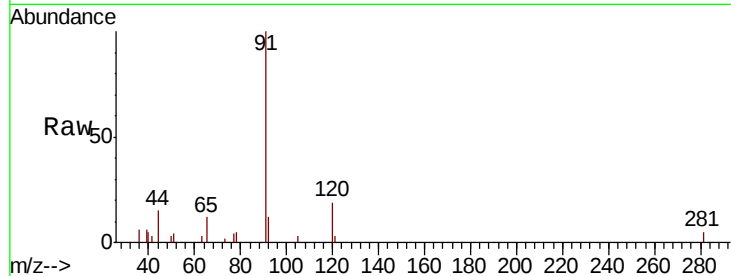
91 100

120 19.4 10.6 31.8

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#80

1,3,5-Trimethylbenzene

Concen: 0.864 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028045.D

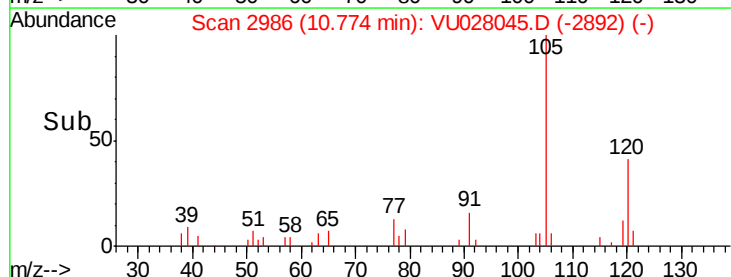
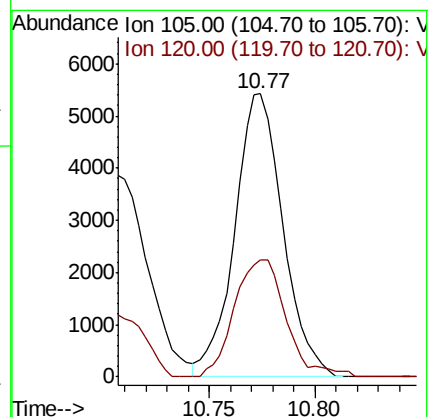
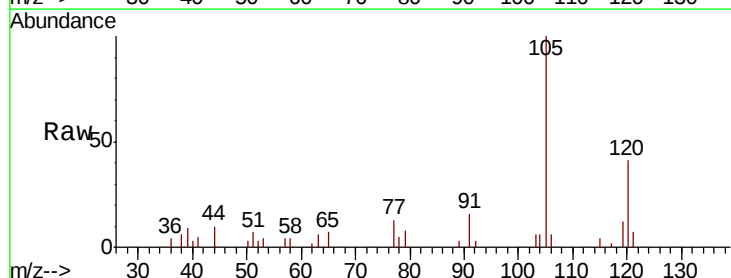
Acq: 09 Nov 2018 15:23

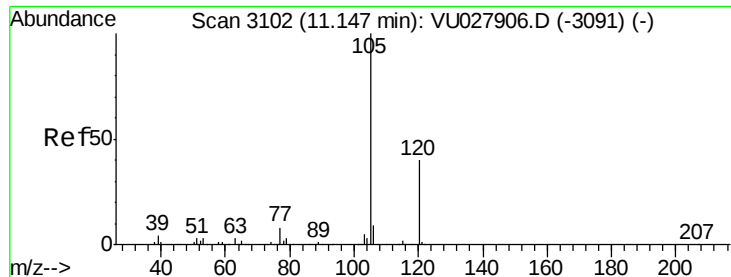
Tgt Ion: 105 Resp: 8620

Ion Ratio Lower Upper

105 100

120 44.3 23.3 69.9





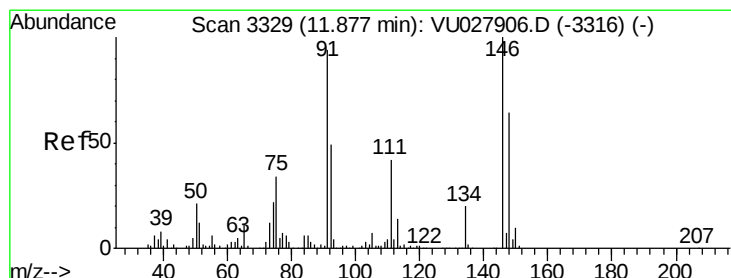
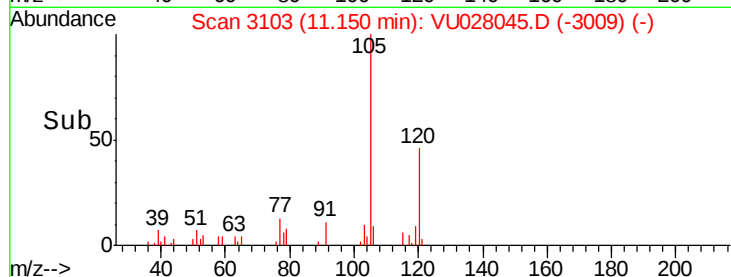
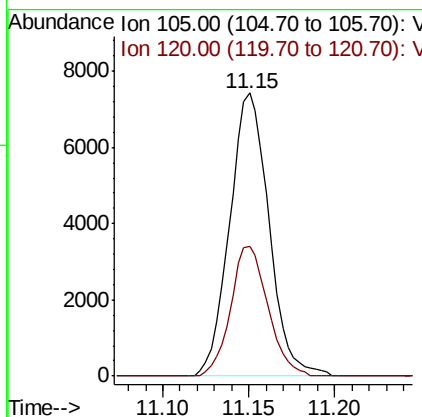
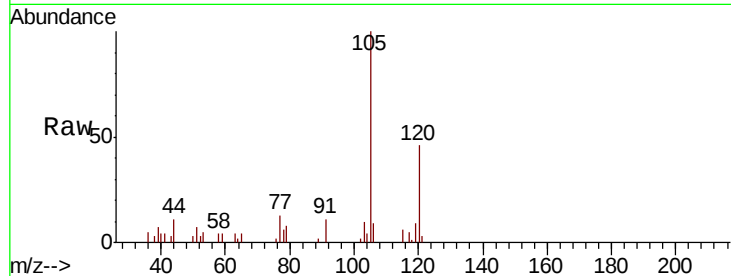
#84
 1,2,4-Trimethylbenzene
 Concen: 1.176 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.1

Manual Integrations
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#91
 1,2-Dichlorobenzene
 Concen: 1.490 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028045.D
 Acq: 09 Nov 2018 15:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	66.5	31.8	95.3

