

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025248.D
 Acq On : 06 Jul 2018 18:29
 Operator : MD/SY
 Sample : J3808-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

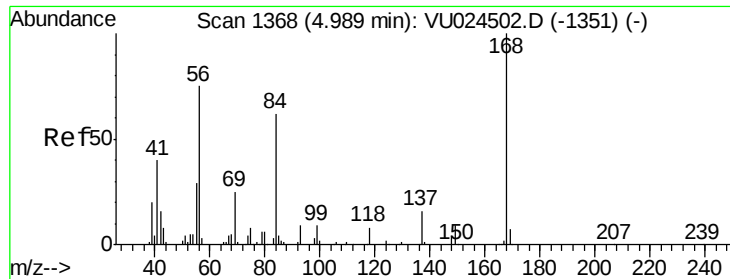
Manual Integrations
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 7/9/2018 12:58:00 PM

Quant Time: Jul 09 10:41:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	204169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	300770	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	281391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148398	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	153802	46.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.28%	
35) Dibromofluoromethane	4.89	113	119023	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.36%	
50) Toluene-d8	7.57	98	435120	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	10.31	95	160515	44.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.80%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	7163	2.660	ug/l	100
27) cis-1,2-Dichloroethene	4.24	96	20481	6.958	ug/l	89
39) Methylcyclohexane	6.41	83	1776	0.403	ug/l	95
40) Benzene	5.39	78	40555	4.027	ug/l	98
44) Trichloroethene	6.19	130	7992	2.788	ug/l	96
65) Chlorobenzene	9.12	112	157823	21.955	ug/l	100
78) n-propylbenzene	10.60	91	2765	0.206	ug/l	91
83) tert-Butylbenzene	11.10	119	11642	1.226	ug/l	87
85) sec-Butylbenzene	11.33	105	25654	2.158	ug/l	97
87) 1,3-Dichlorobenzene	11.43	146	4639	0.871	ug/l	93
88) 1,4-Dichlorobenzene	11.51	146	9209m	1.717	ug/l	
89) n-Butylbenzene	11.90	91	1952m	0.206	ug/l	
91) 1,2-Dichlorobenzene	11.89	146	45296	8.486	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

Tot Ion:168 Resp: 204169

Ion Ratio Lower Upper

168 100

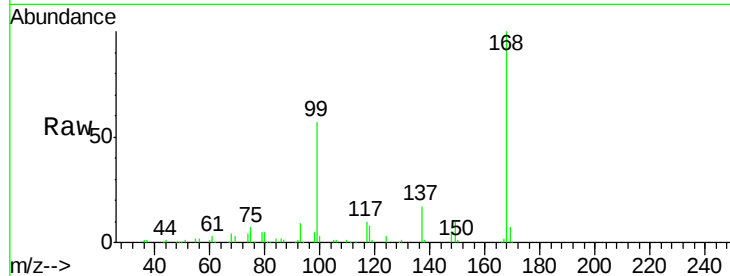
99 56.5 43.2 64.8

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

80000

60000

40000

20000

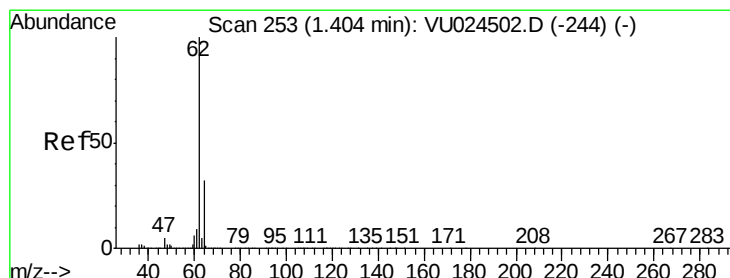
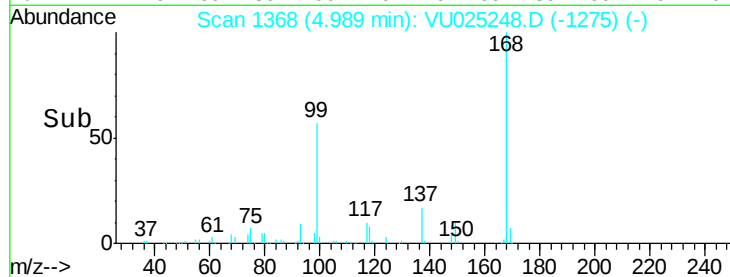
0

4.90

5.00

5.10

Time-->



#4

Vinyl Chloride

Concen: 2.660 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025248.D

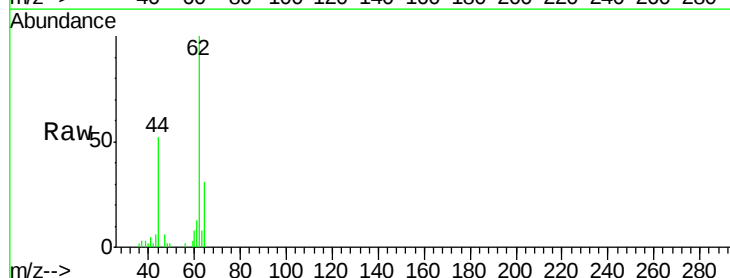
Acq: 06 Jul 2018 18:29

Tgt Ion: 62 Resp: 7163

Ion Ratio Lower Upper

62 100

64 30.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.40

8000

6000

4000

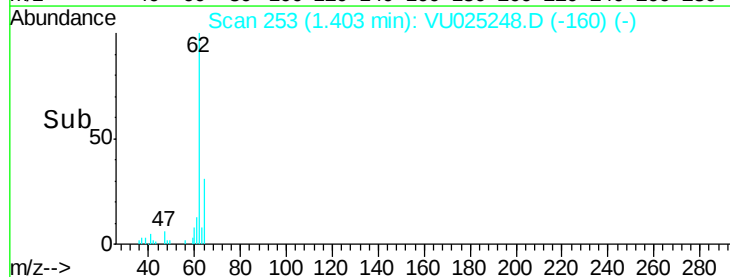
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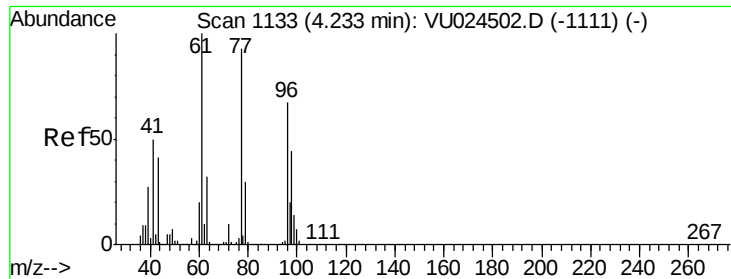
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1.40

1.45

Time-->





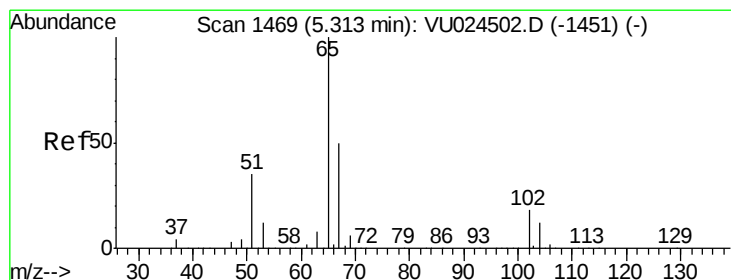
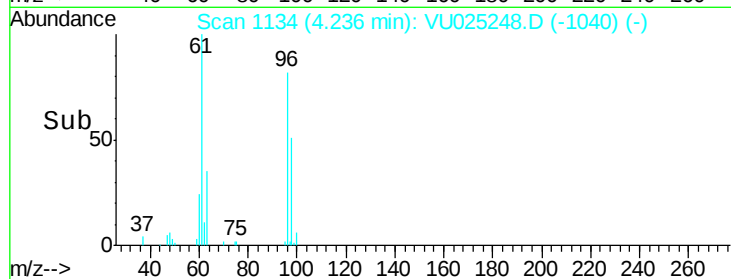
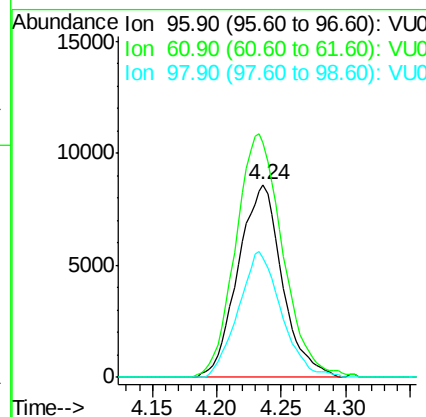
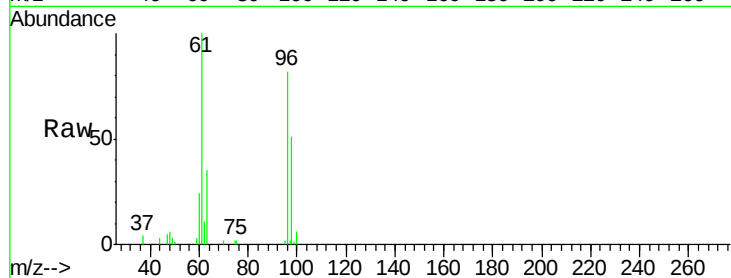
#27
 cis-1,2-Dichloroethene
 Concen: 6.958 ug/l
 RT: 4.24 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.4	0.0	306.6	
98	63.6	0.0	128.8	

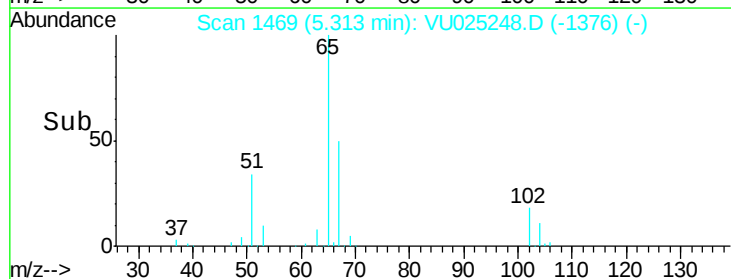
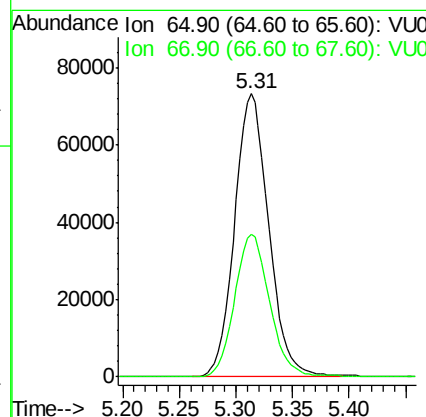
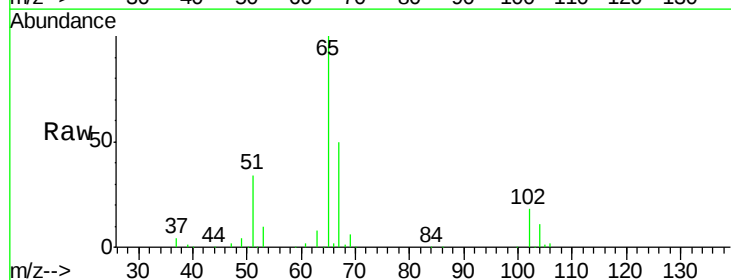
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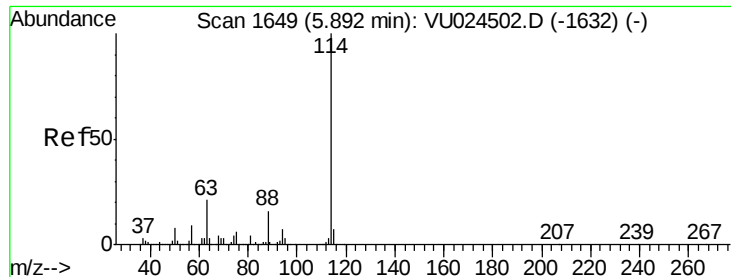
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#33
 1,2-Dichloroethane-d4
 Concen: 46.144 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	107.0	





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

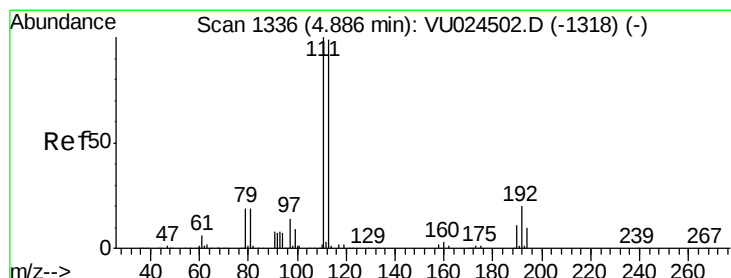
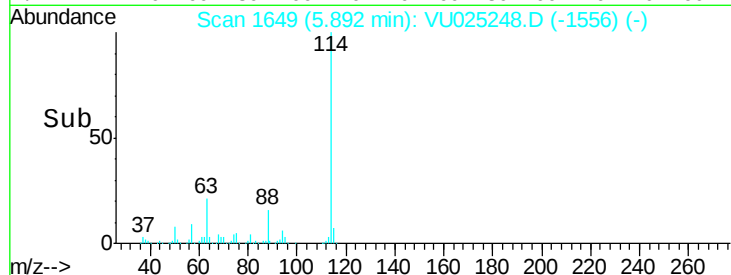
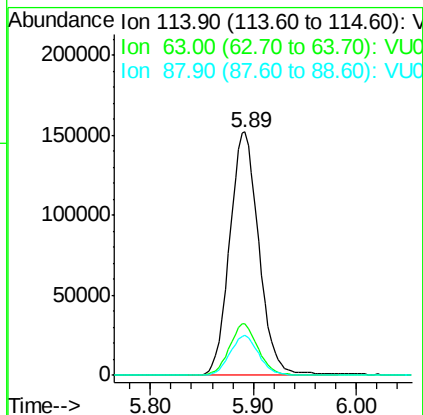
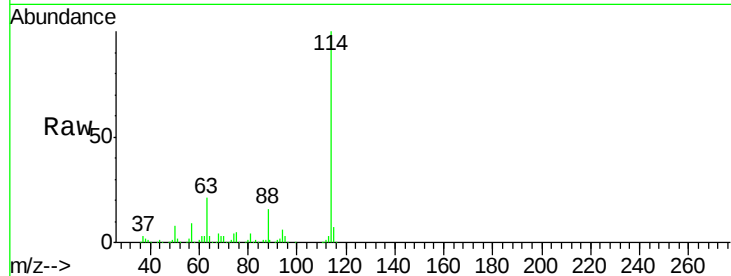
ClientSampleId :

DUP-0472-180628

Tot Ion:	114	Resp:	300770
Ion Ratio		Lower	Upper
114	100		
63	21.0	0.0	45.4
88	16.3	0.0	31.0

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#35

Dibromofluoromethane

Concen: 47.682 ug/l

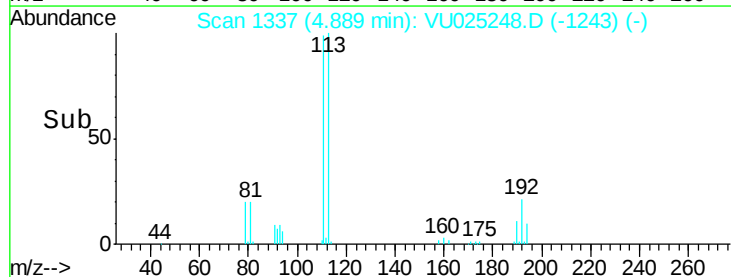
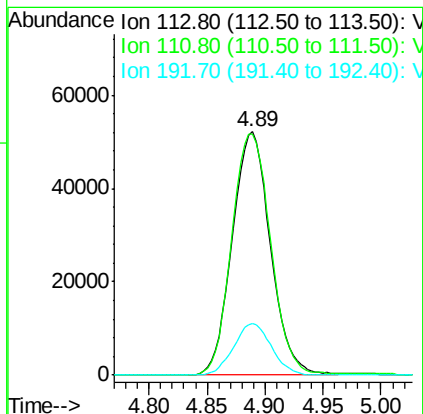
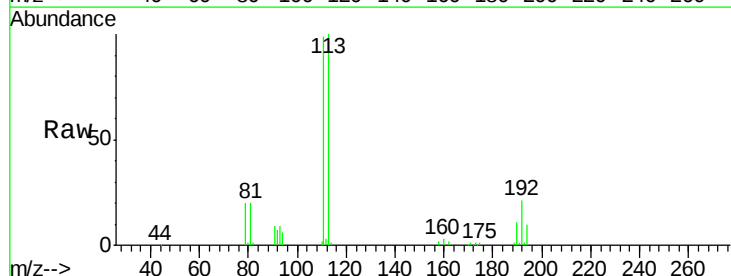
RT: 4.89 min Scan# 1337

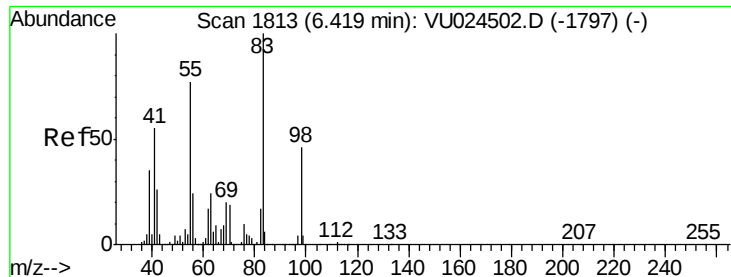
Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Tgt Ion:	113	Resp:	119023
Ion Ratio		Lower	Upper
113	100		
111	101.3	82.2	123.4
192	21.0	16.2	24.4





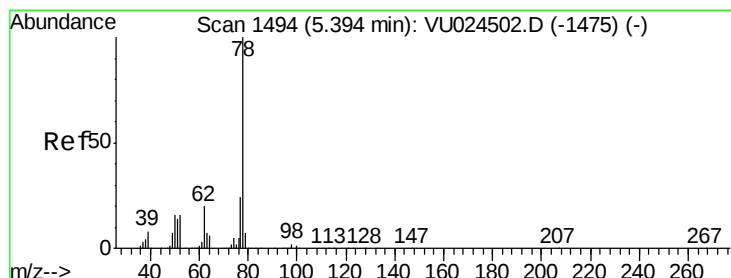
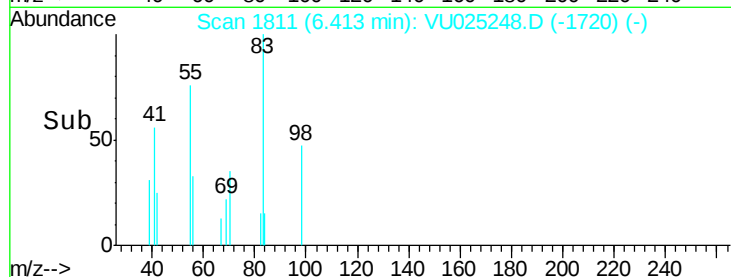
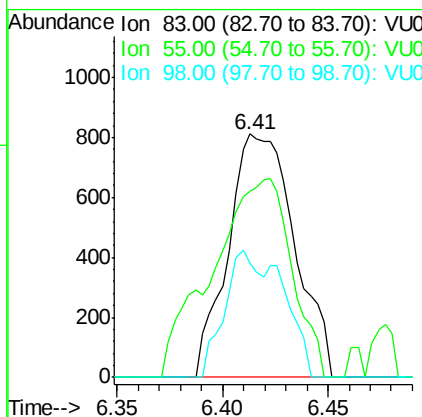
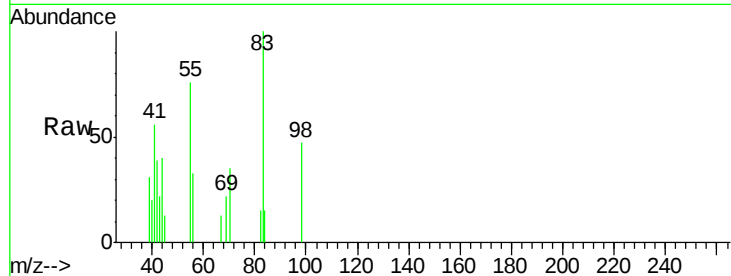
#39
Methvlcvclohexane
Concen: 0.403 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	65.8	98.6
98	47.2	36.7	55.1

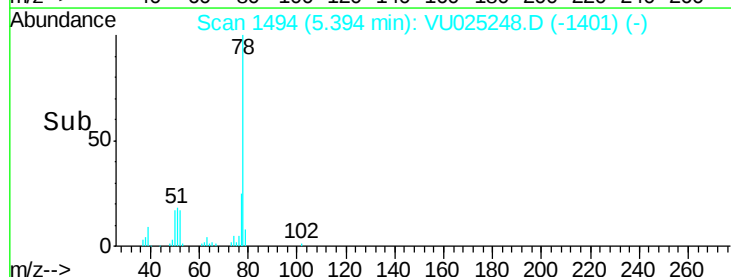
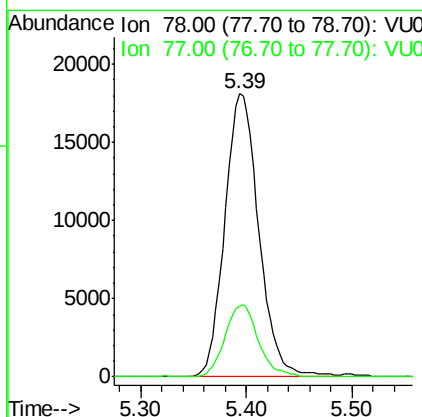
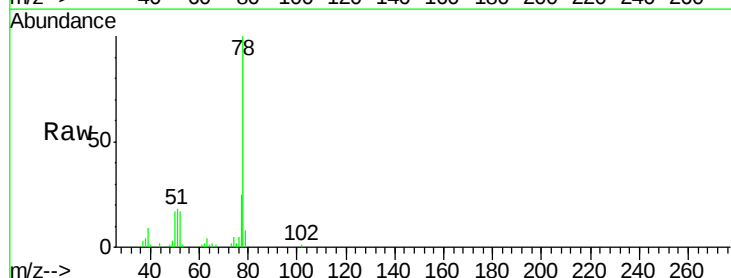
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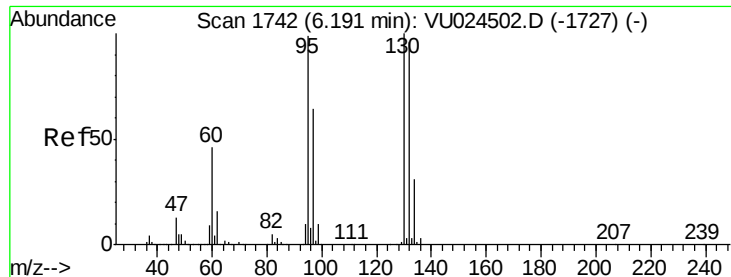
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#40
Benzene
Concen: 4.027 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.2	28.8





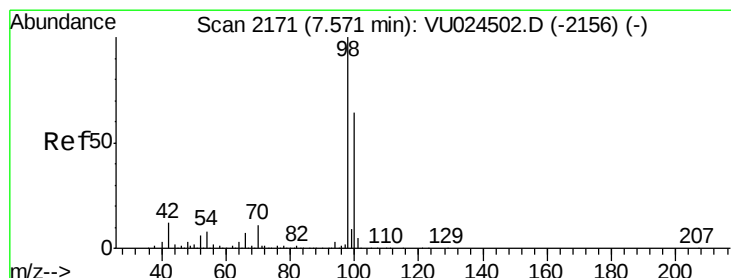
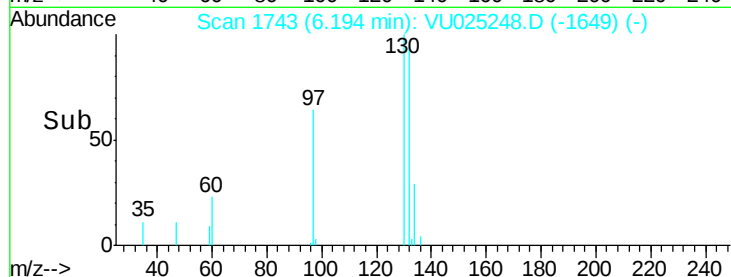
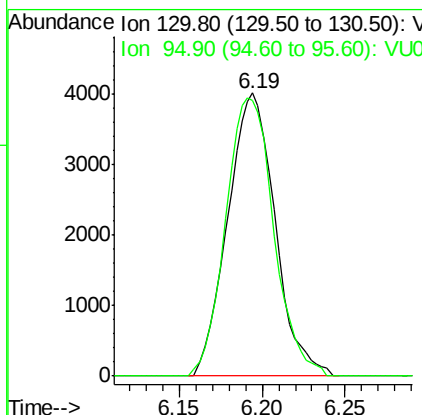
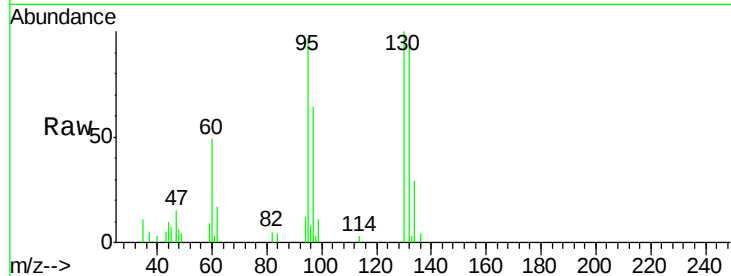
#44
 Trichloroethene
 Concen: 2.788 ug/l
 RT: 6.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Tot Ion:130 Resp: 7992
 Ion Ratio Lower Upper
 130 100
 95 97.3 0.0 202.4

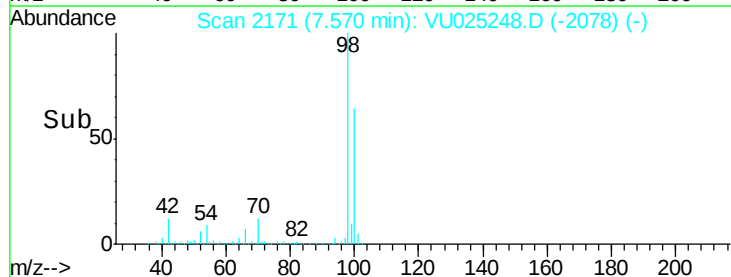
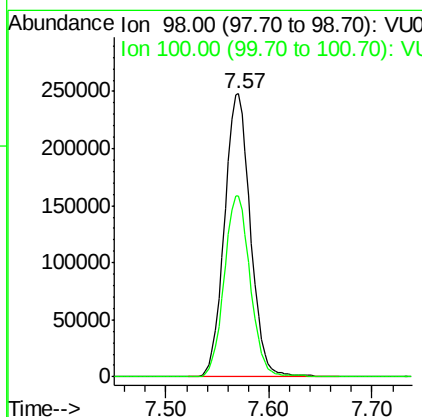
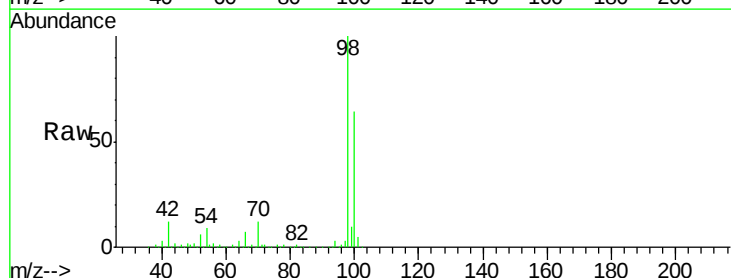
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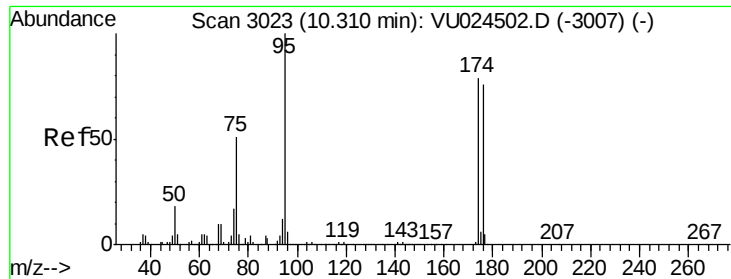
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 7/9/2018 12:58:00 PM



#50
 Toluene-d8
 Concen: 47.789 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Tgt Ion: 98 Resp: 435120
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.1 76.7





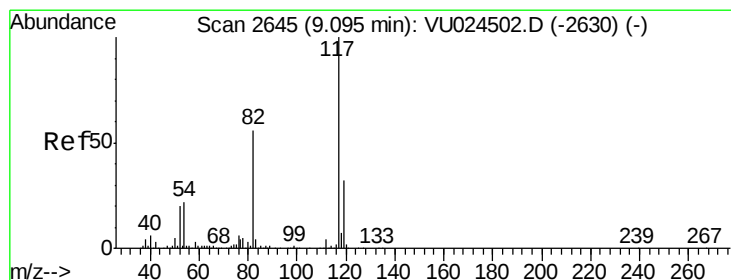
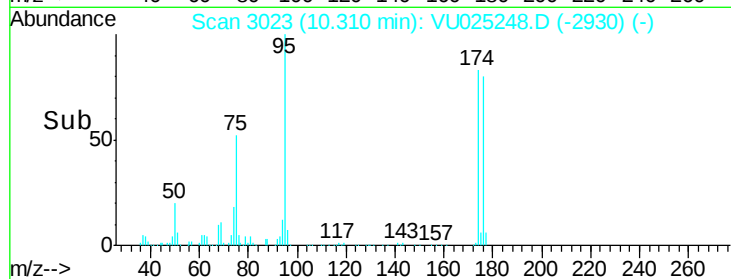
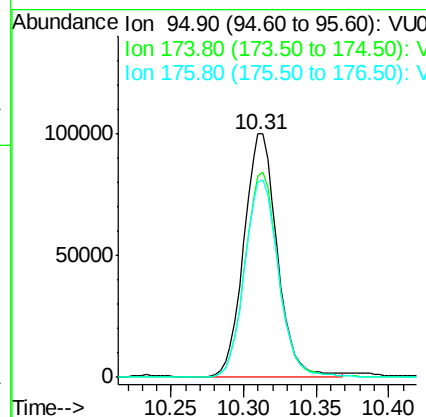
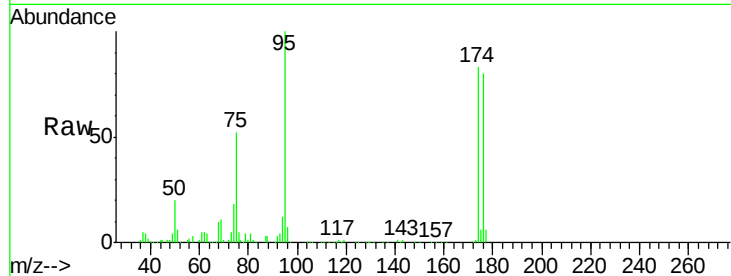
#62
4-Bromofluorobenzene
Concen: 44.402 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

Tot Ion	Ratio	Resp	Lower	Upper
95	100	160515		
174	84.4	0.0	165.8	
176	82.7	0.0	159.4	

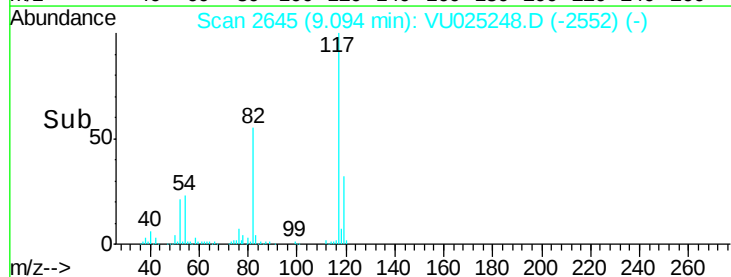
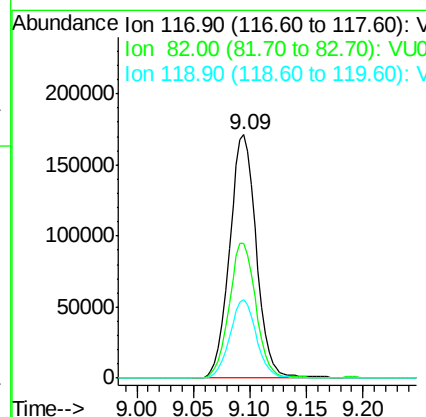
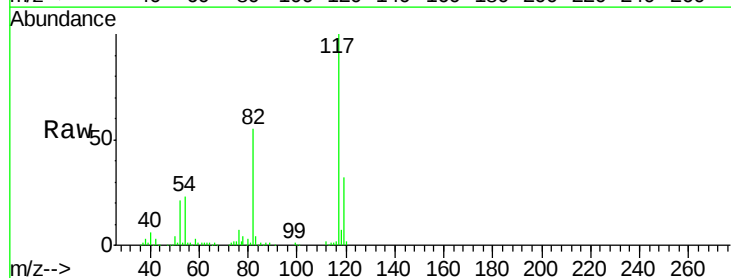
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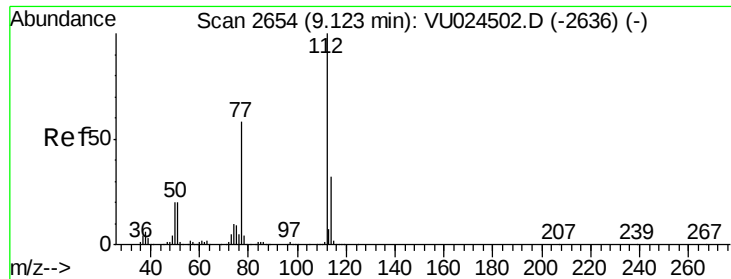
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	281391		
82	55.4	44.3	66.5	
119	32.0	25.4	38.2	





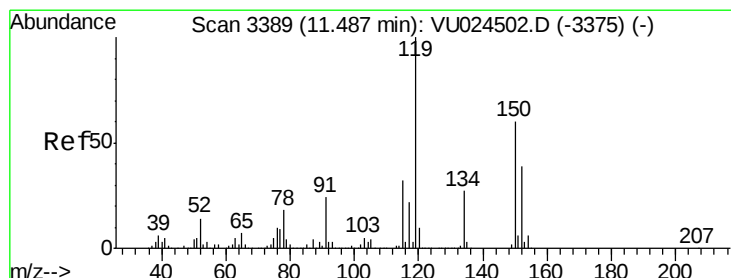
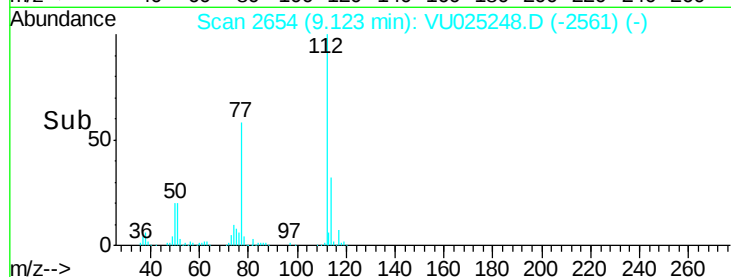
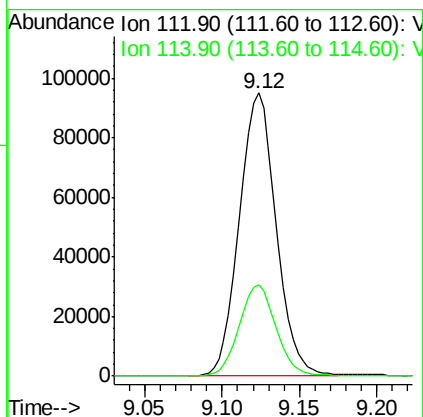
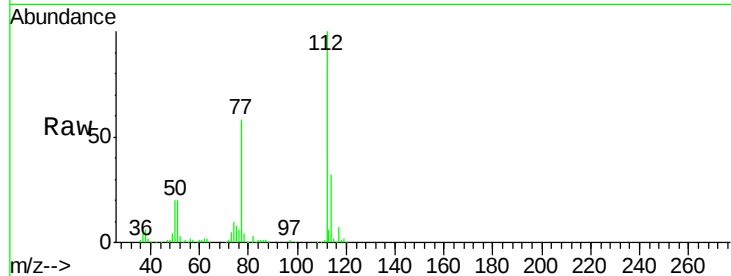
#65
Chlorobenzene
Concen: 21.955 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

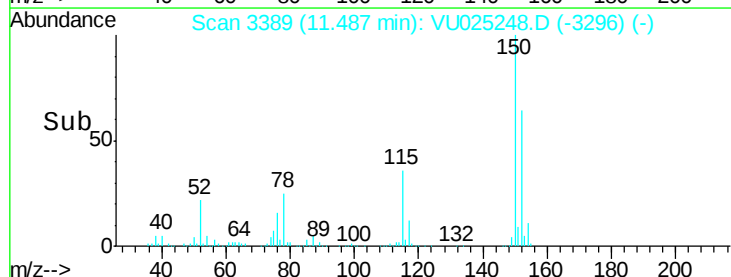
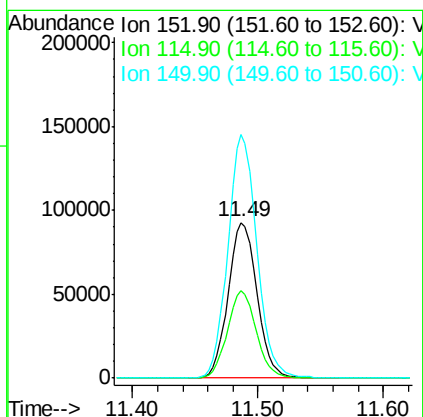
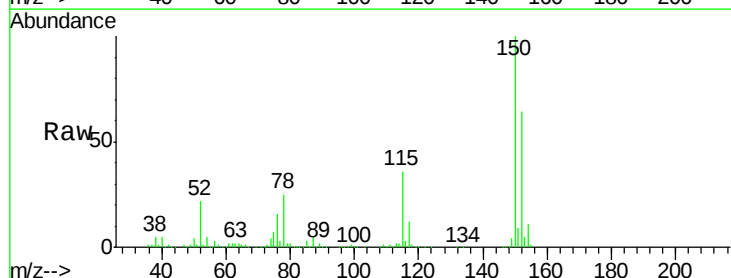
Manual Integrations
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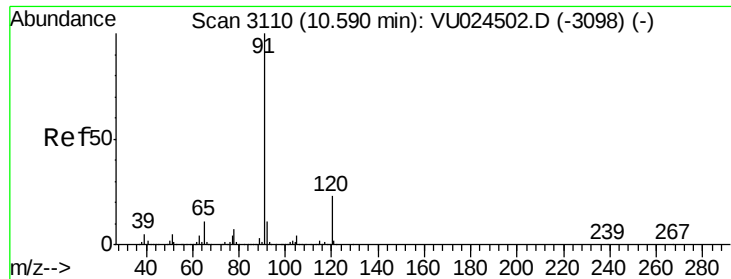
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	43.0	129.0
150	156.9	0.0	354.0





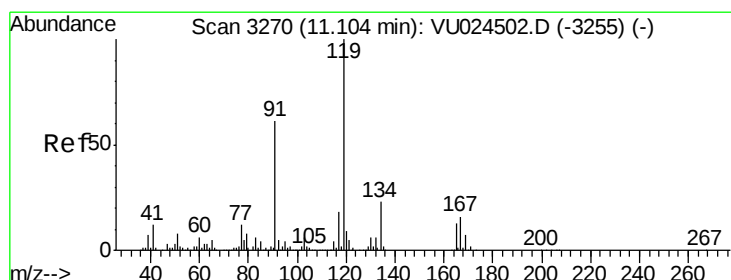
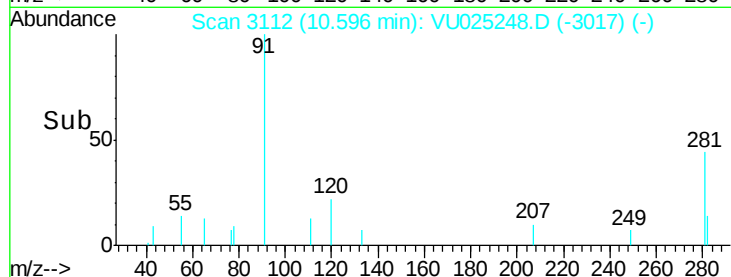
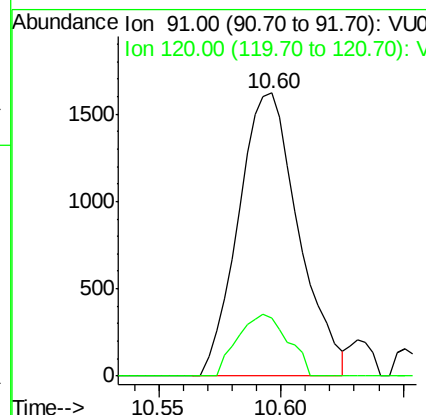
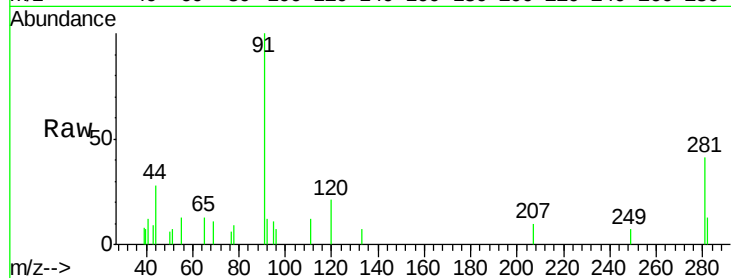
#78
n-propylbenzene
Concen: 0.206 ug/l
RT: 10.60 min Scan# 3112
Delta R.T. 0.01 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Instrument :
MSVOA_U
ClientSampleId :
DUP-0472-180628

Tot Ion	Ratio	Lower	Upper
91	100		
120	18.2	11.2	33.5

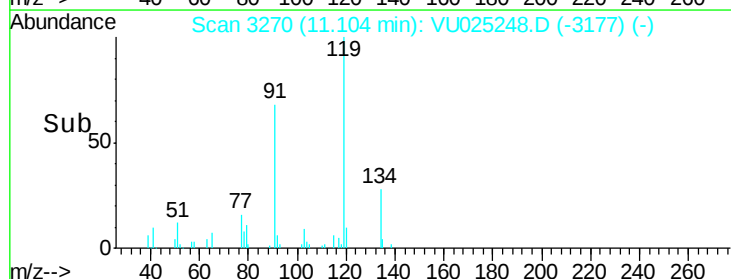
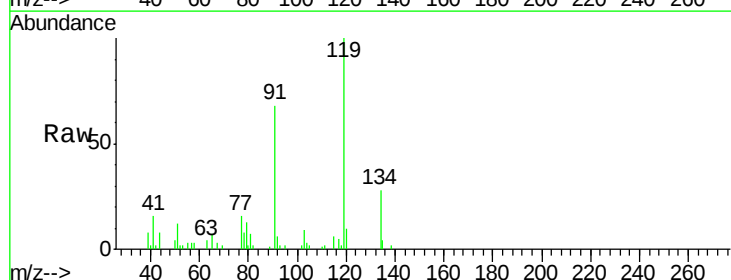
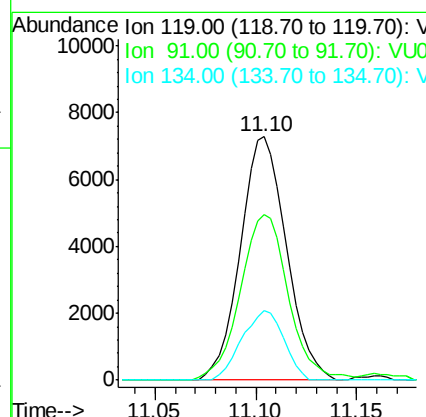
Manual Integrations
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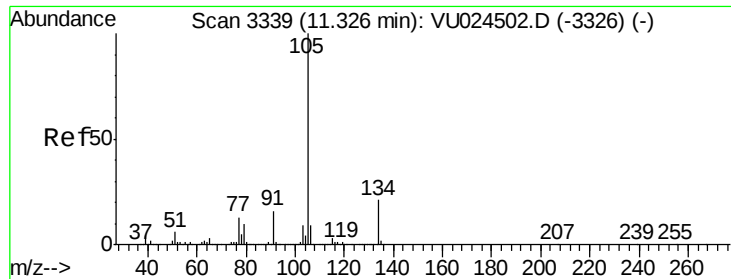
MMDadoda
7/9/2018 12:58:00 PM



#83
tert-Butylbenzene
Concen: 1.226 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025248.D
Acq: 06 Jul 2018 18:29

Tgt Ion	Ratio	Lower	Upper
119	100		
91	71.0	29.7	89.1
134	26.0	11.6	34.7





#85

sec-Butylbenzene

Concen: 2.158 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

ClientSampleId :

DUP-0472-180628

Tot Ion:105 Resp: 25654

Ion Ratio Lower Upper

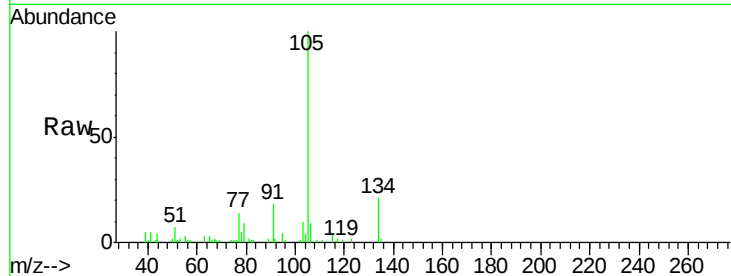
105 100

134 18.0 9.7 29.1

Manual Integrations
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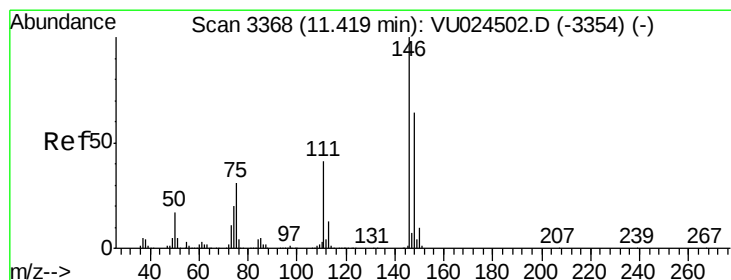
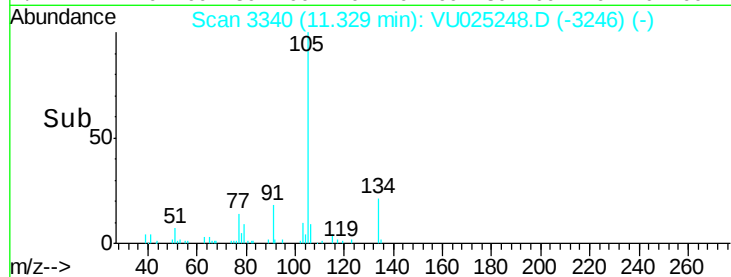
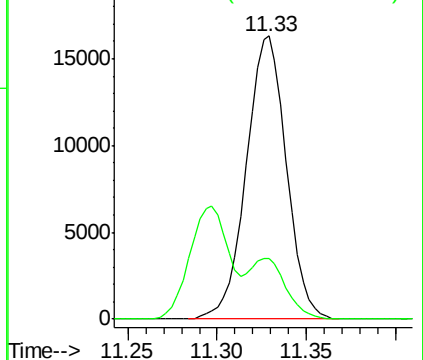
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.871 ug/l

RT: 11.43 min Scan# 3370

Delta R.T. 0.01 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

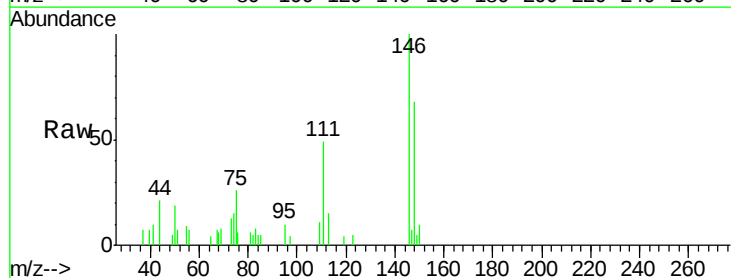
Tgt Ion:146 Resp: 4639

Ion Ratio Lower Upper

146 100

111 50.5 20.0 60.0

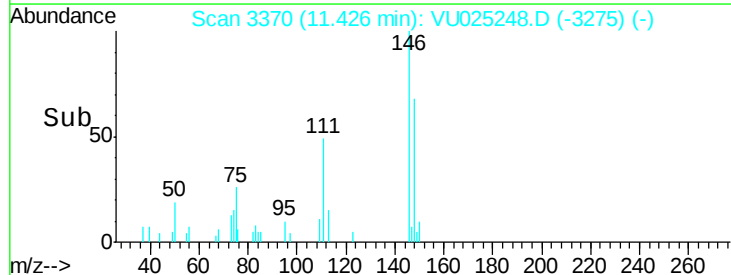
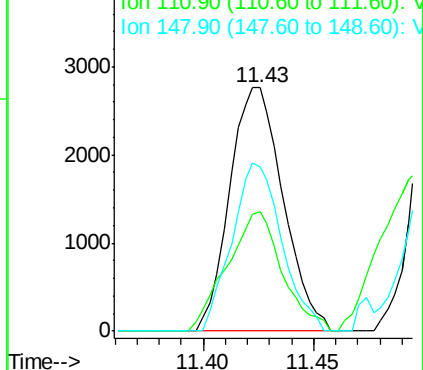
148 64.3 32.1 96.5

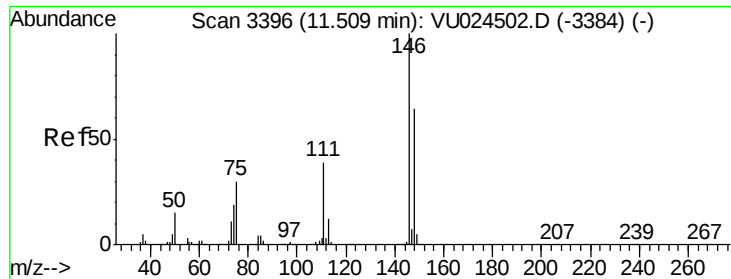


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 1.717 ug/l m

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Instrument :

MSVOA_U

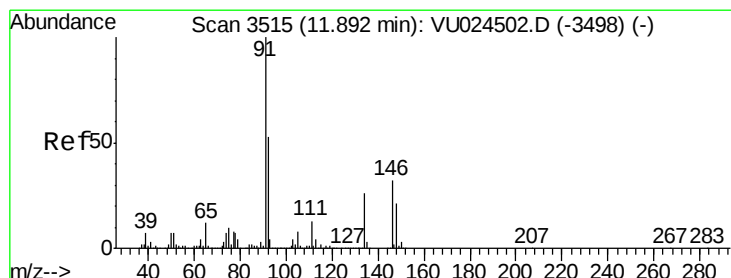
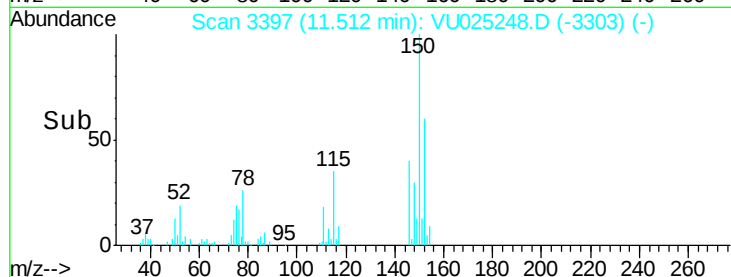
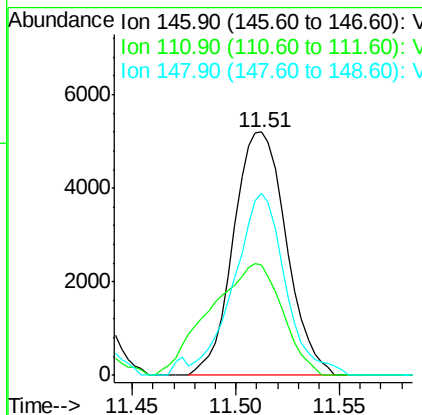
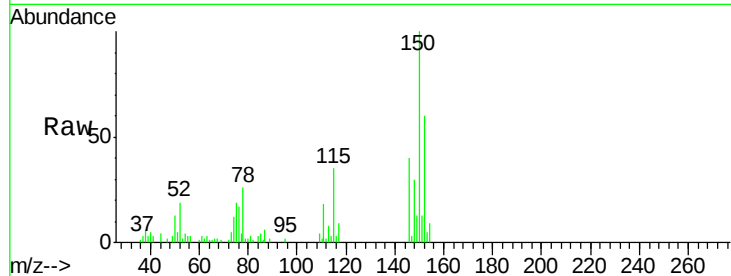
ClientSampleId :

DUP-0472-180628

Tot Ion:	146	Resp:	9209
Ion Ratio	Lower	Upper	
146	100		
111	25.5	19.5	58.5
148	32.4	32.4	97.0

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#89

n-Butylbenzene

Concen: 0.206 ug/l m

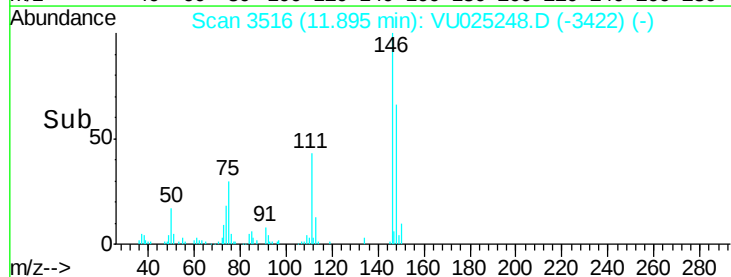
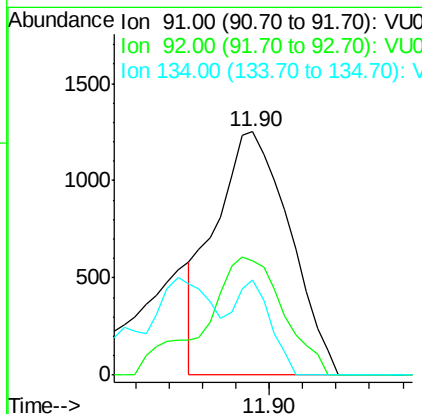
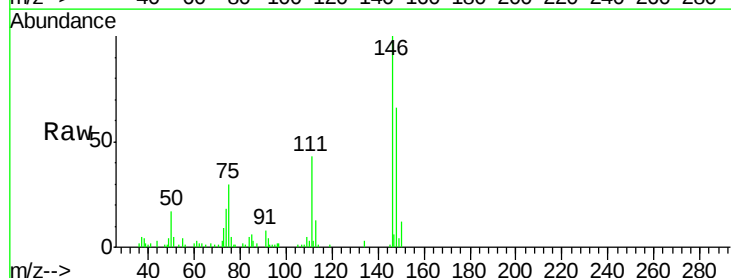
RT: 11.90 min Scan# 3516

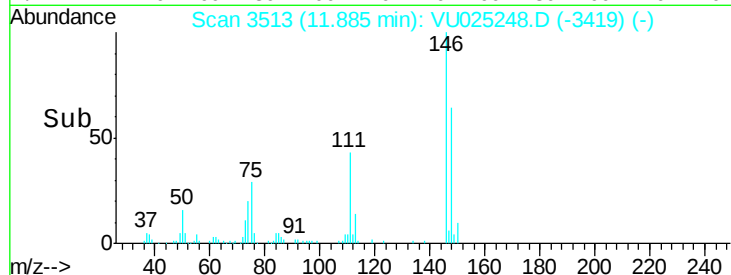
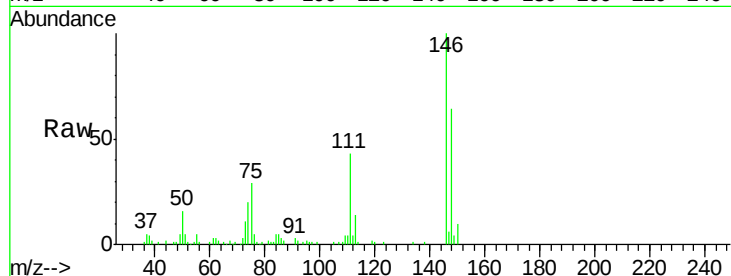
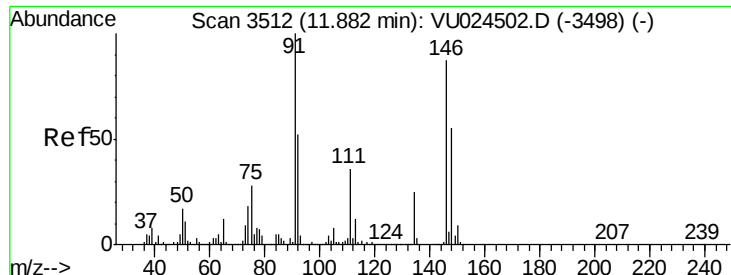
Delta R.T. 0.00 min

Lab File: VU025248.D

Acq: 06 Jul 2018 18:29

Tgt Ion:	91	Resp:	1952
Ion Ratio	Lower	Upper	
91	100		
92	51.3	25.6	76.8
134	19.5	12.3	36.8





#91
 1,2-Dichlorobenzene
 Concen: 8.486 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025248.D
 Acq: 06 Jul 2018 18:29

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0472-180628

Tot Ion:	146	Resp:	45296
Ion Ratio	Lower	Upper	
146	100		
111	41.9	20.5	61.6
148	64.2	31.9	95.7

Manual Integrations
 APPROVED

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 7/9/2018 12:58:00 PM

