

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024873.D
 Acq On : 25 Jun 2018 14:31
 Operator : MD/SY
 Sample : J3662-05DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0449-180618DL

Manual Integrations
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 6/27/2018 11:19:06 AM

Quant Time: Jun 26 07:17:51 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	204814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	314803	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159902	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	151884	45.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.84%		
35) Dibromofluoromethane	4.89	113	122204	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.54%		
50) Toluene-d8	7.57	98	454657	47.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.42%		
62) 4-Bromofluorobenzene	10.31	95	171511	45.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.66%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	85853	31.78	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	28271	9.57	ug/l	87
40) Benzene	5.40	78	36533	3.47	ug/l	99
65) Chlorobenzene	9.12	112	402912	53.61	ug/l	99
83) tert-Butylbenzene	11.10	119	4866	0.48	ug/l	92
85) sec-Butylbenzene	11.33	105	3327	0.26	ug/l	93
87) 1,3-Dichlorobenzene	11.42	146	1823	0.32	ug/l	96
88) 1,4-Dichlorobenzene	11.51	146	5198m	0.90	ug/l	
91) 1,2-Dichlorobenzene	11.89	146	10471	1.82	ug/l	98

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

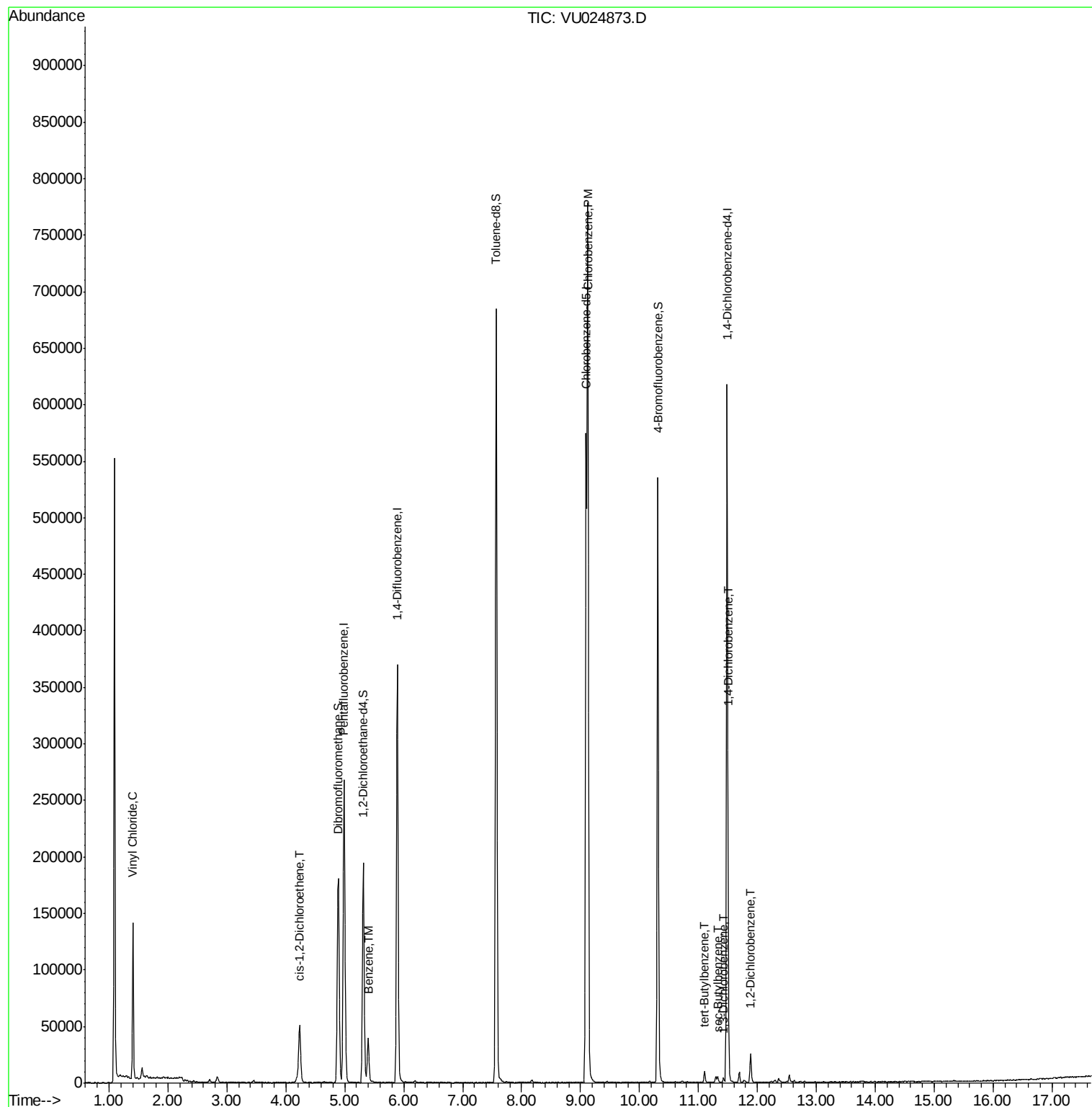
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
Data File : VU024873.D
Acq On : 25 Jun 2018 14:31
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Manual Integrations
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Quant Time: Jun 26 07:17:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024873.D

Acq: 25 Jun 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

DUP-0449-180618DL

Tot Ion:168 Resp: 204814

Ion Ratio Lower Upper

168 100

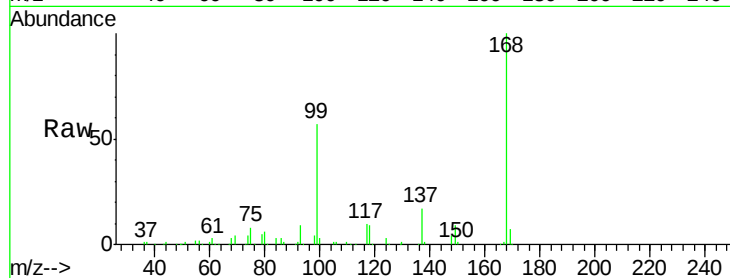
99 57.0 43.2 64.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

100000

80000

60000

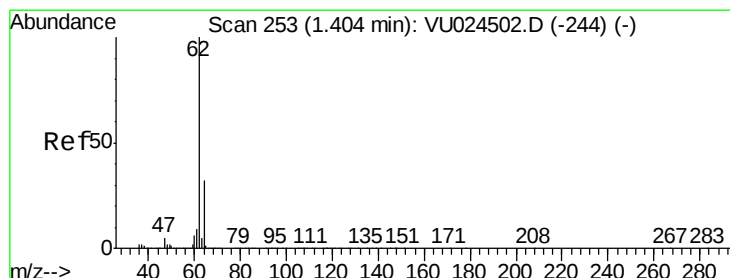
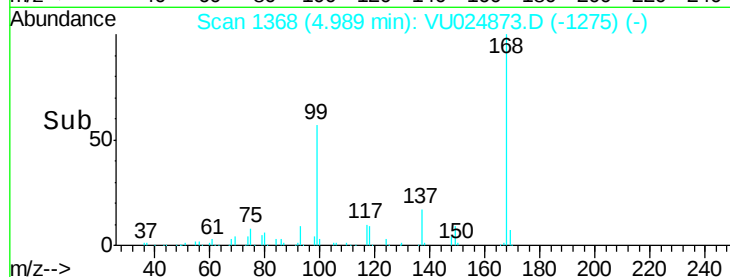
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#4

Vinyl Chloride

Concen: 31.78 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024873.D

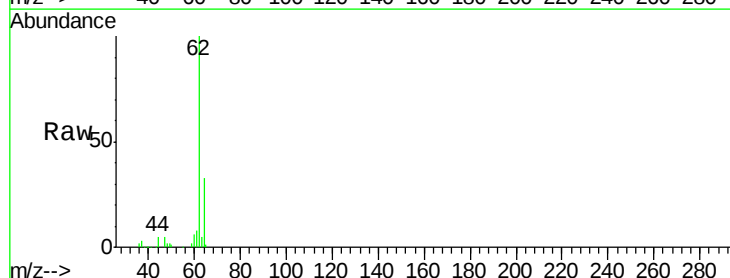
Acq: 25 Jun 2018 14:31

Tgt Ion: 62 Resp: 85853

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

80000

60000

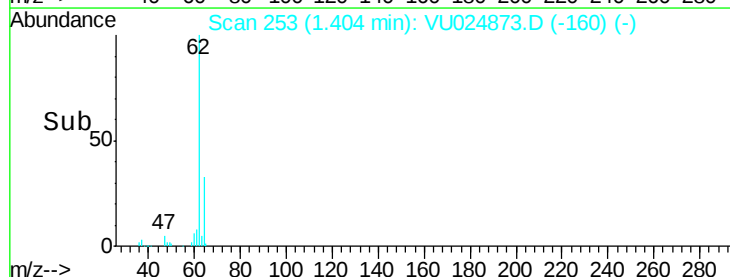
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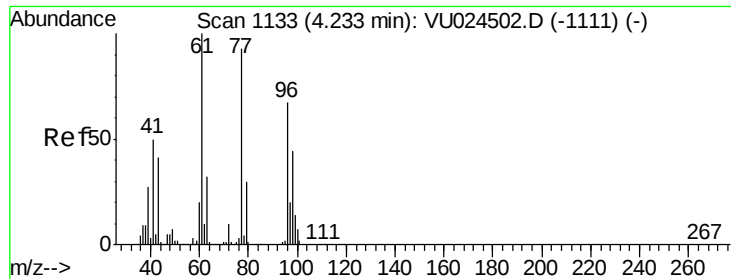
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0

1.35 1.40 1.45

Time-->





#27

cis-1,2-Dichloroethene

Concen: 9.57 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024873.D

Acq: 25 Jun 2018 14:31

Instrument :

MSVOA_U

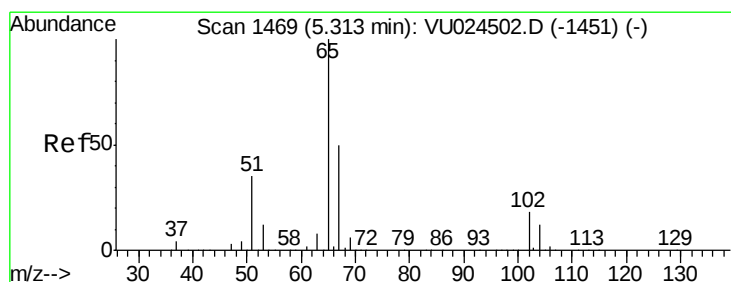
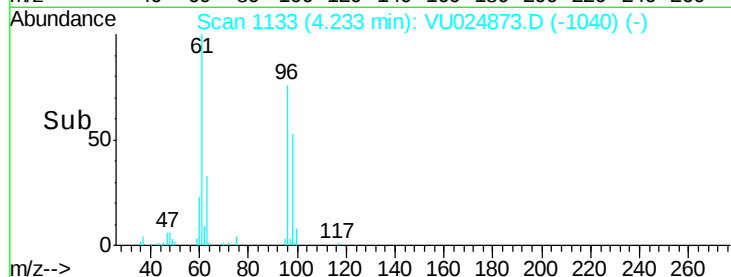
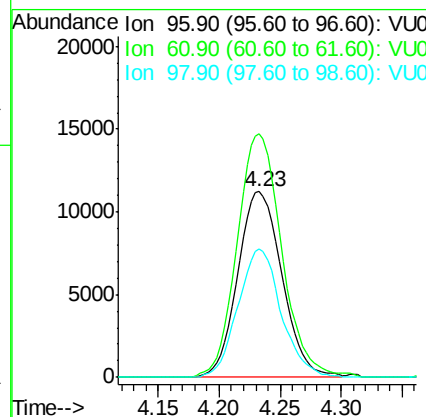
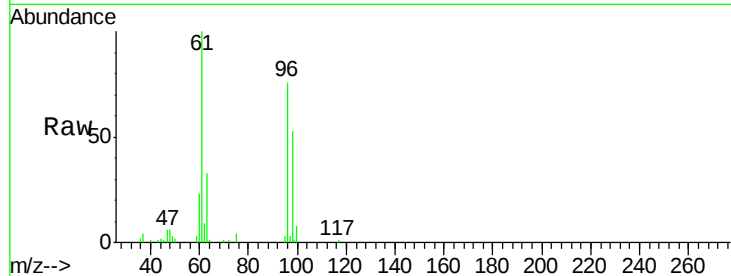
ClientSampleId :

DUP-0449-180618DL

Tot Ion:	96	Resp:	28271
Ion	Ratio	Lower	Upper
96	100		
61	131.4	0.0	306.6
98	67.3	0.0	128.8

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#33

1,2-Dichloroethane-d4

Concen: 45.42 ug/l

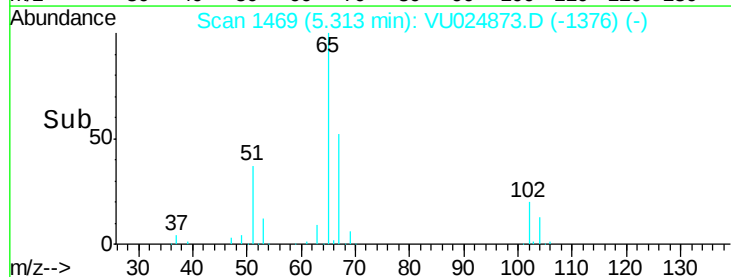
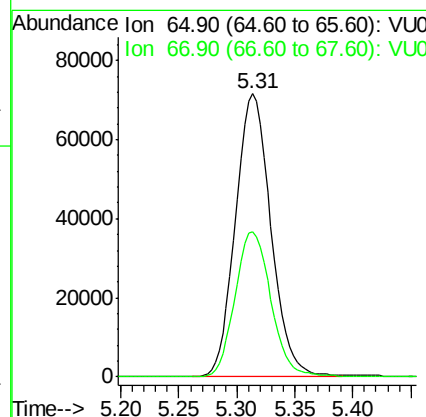
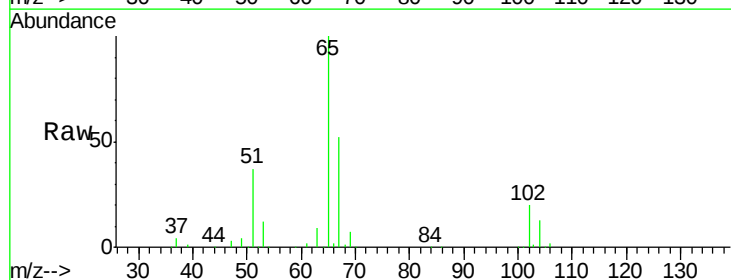
RT: 5.31 min Scan# 1469

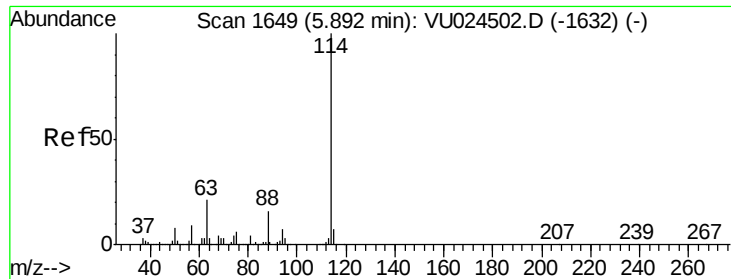
Delta R.T. 0.00 min

Lab File: VU024873.D

Acq: 25 Jun 2018 14:31

Tgt Ion:	65	Resp:	151884
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024873.D

Acq: 25 Jun 2018 14:31

Instrument :

MSVOA_U

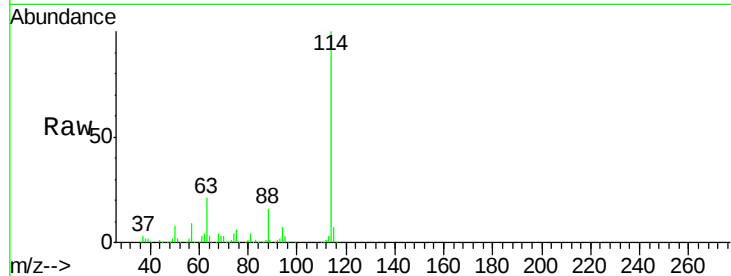
ClientSampleId :

DUP-0449-180618DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	314803		
63	20.9	0.0	45.4	
88	16.1	0.0	31.0	

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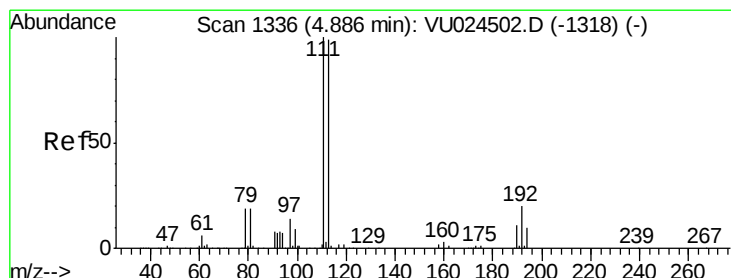
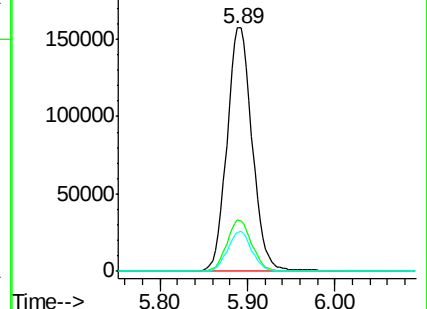
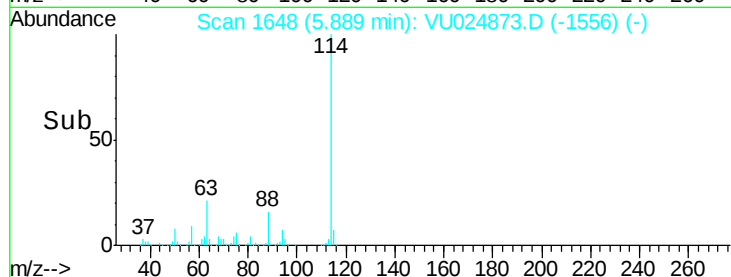
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.77 ug/l

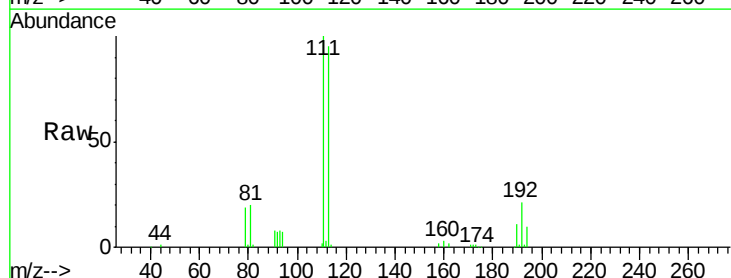
RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024873.D

Acq: 25 Jun 2018 14:31

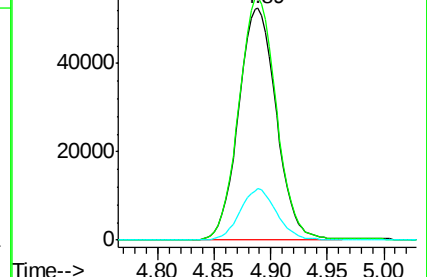
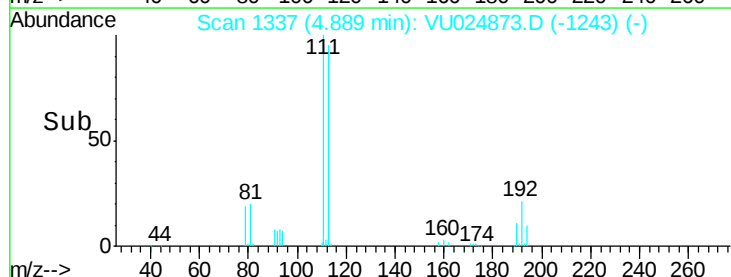
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	122204		
111	103.7	82.2	123.4	
192	21.4	16.2	24.4	

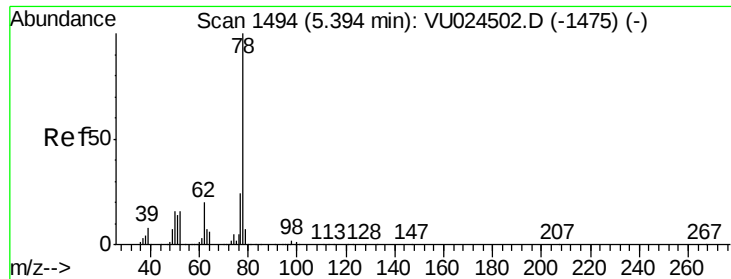


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.47 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024873.D

Acq: 25 Jun 2018 14:31

Instrument :

MSVOA_U

ClientSampleId :

DUP-0449-180618DL

Tot Ion: 78 Resp: 36533

Ion Ratio Lower Upper

78 100

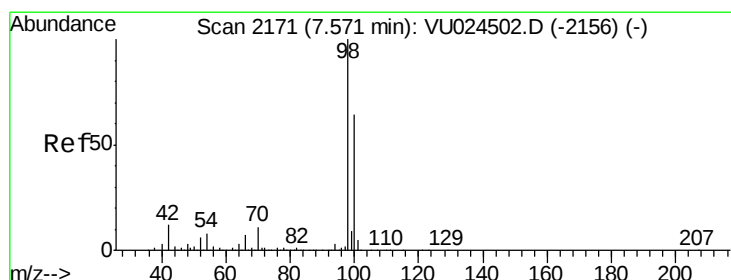
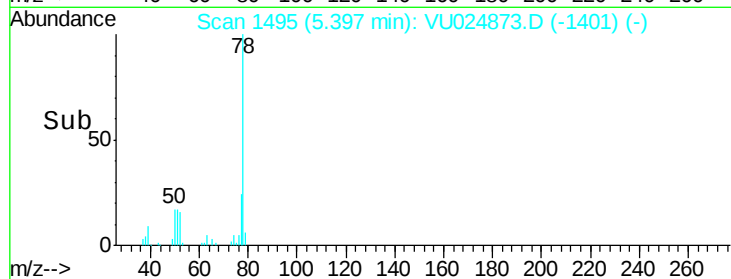
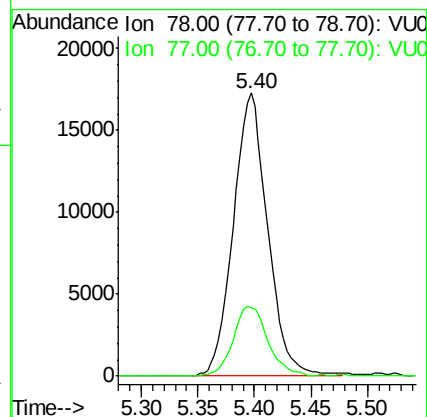
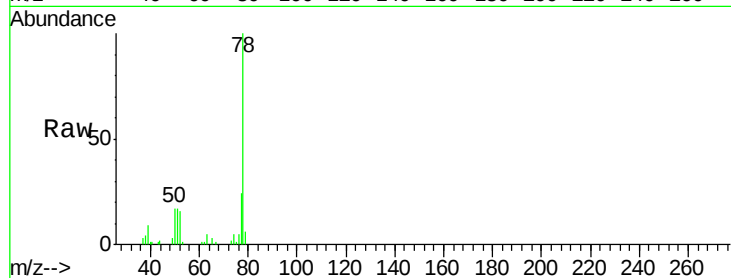
77 24.2 19.2 28.8

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#50

Toluene-d8

Concen: 47.71 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024873.D

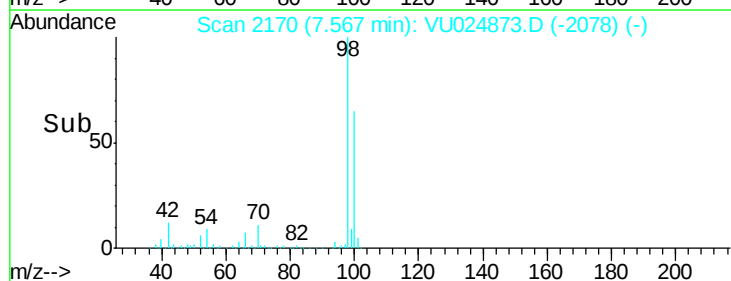
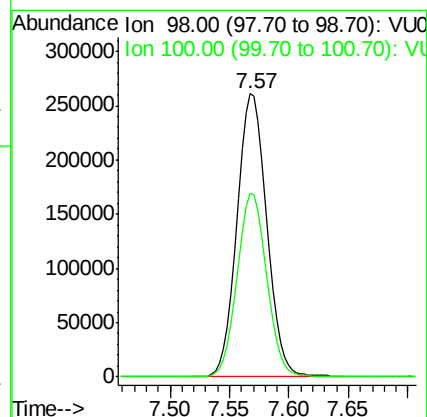
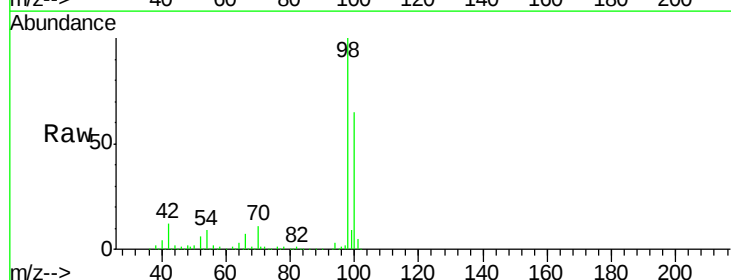
Acq: 25 Jun 2018 14:31

Tgt Ion: 98 Resp: 454657

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7





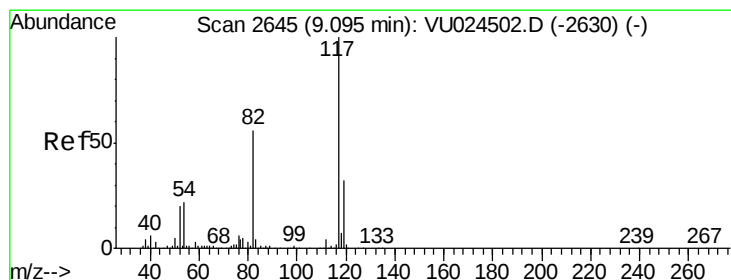
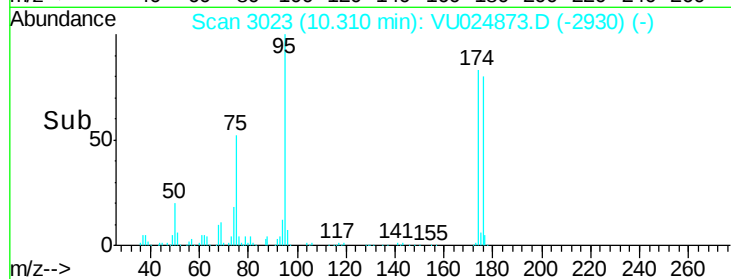
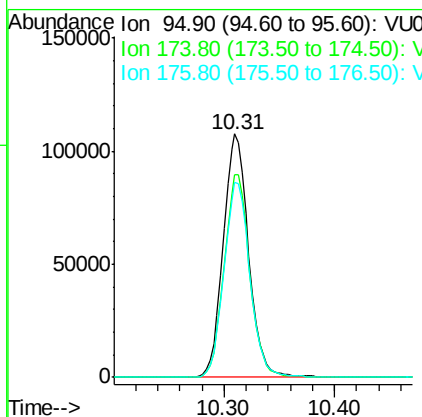
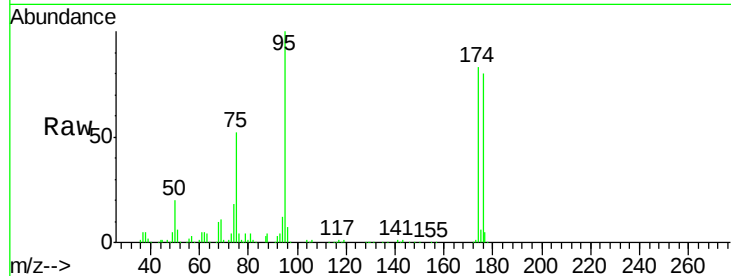
#62
4-Bromofluorobenzene
Concen: 45.33 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024873.D
Acq: 25 Jun 2018 14:31

Instrument :
MSVOA_U
ClientSampleId :
DUP-0449-180618DL

Tot Ion	Ratio	Resp	Lower	Upper
95	100	171511		
174	84.2	0.0	165.8	
176	81.8	0.0	159.4	

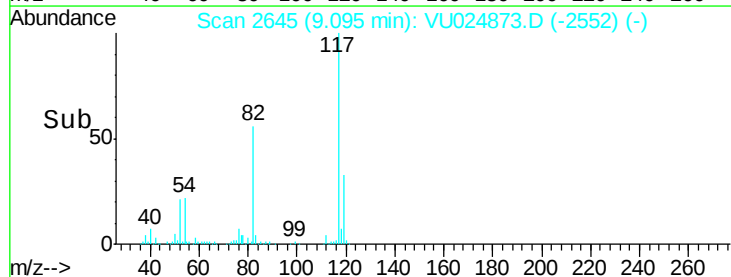
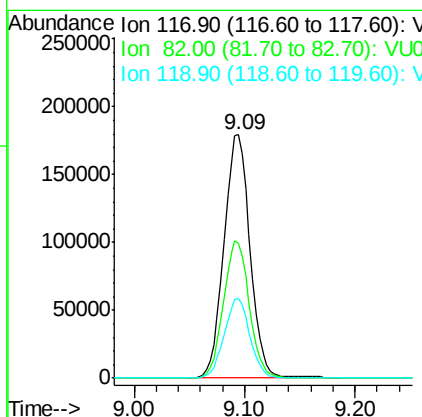
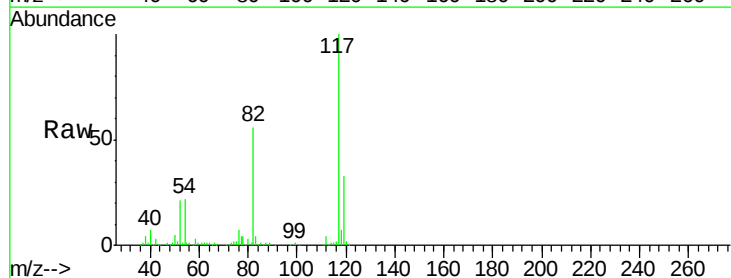
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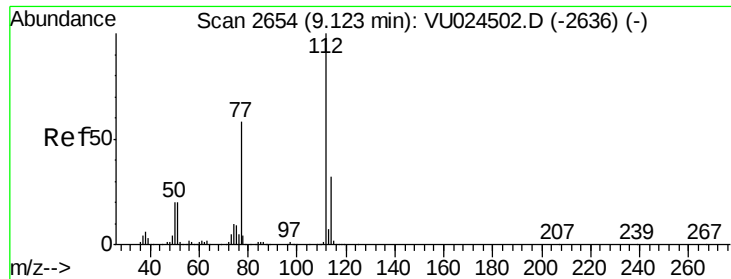
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024873.D
Acq: 25 Jun 2018 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	294201		
82	55.5	44.3	66.5	
119	32.9	25.4	38.2	





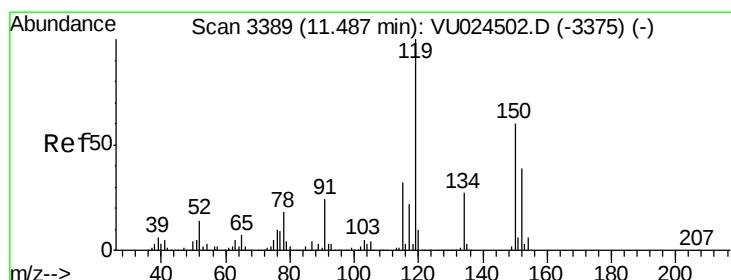
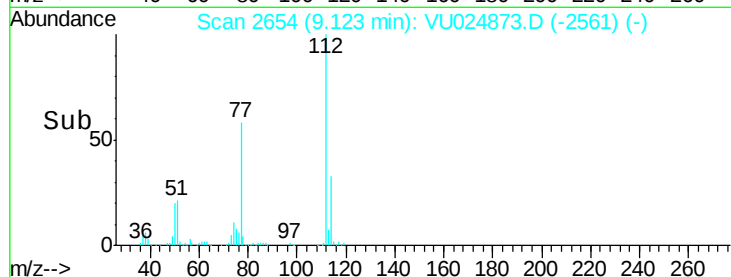
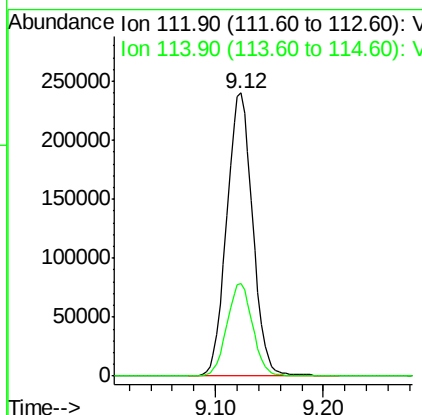
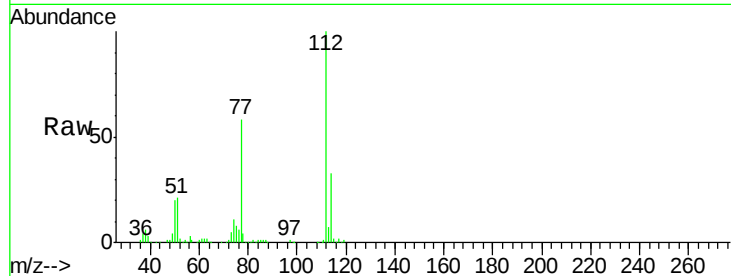
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Chlorobenzene
Concen: 53.61 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024873.D
Acq: 25 Jun 2018 14:31

Instrument :
MSVOA_U
ClientSampleId :
DUP-0449-180618DL

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

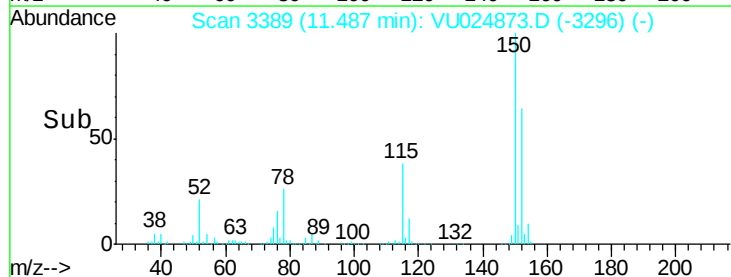
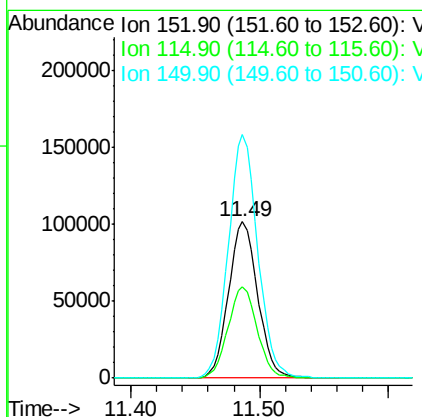
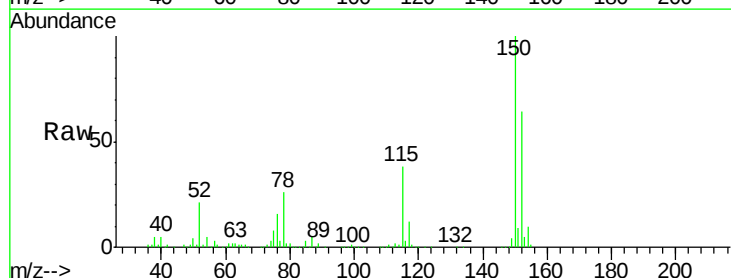
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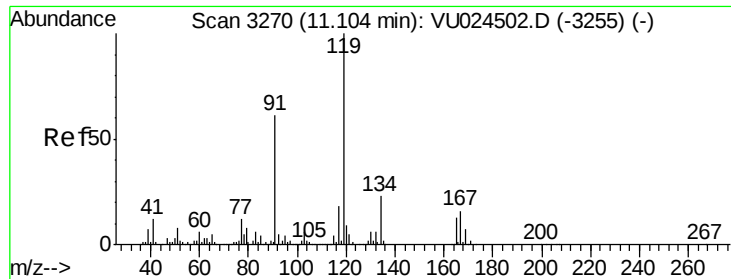
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024873.D
Acq: 25 Jun 2018 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	43.0	129.0
150	156.3	0.0	354.0





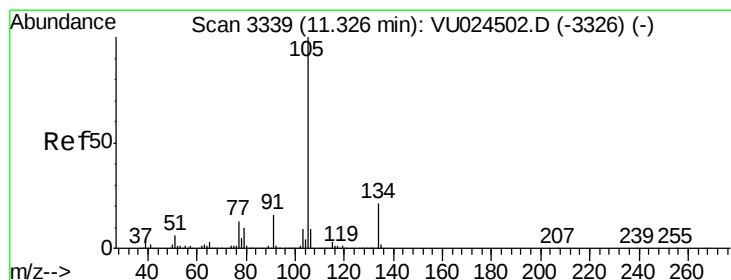
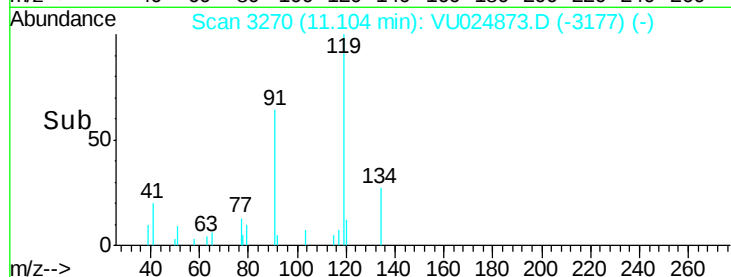
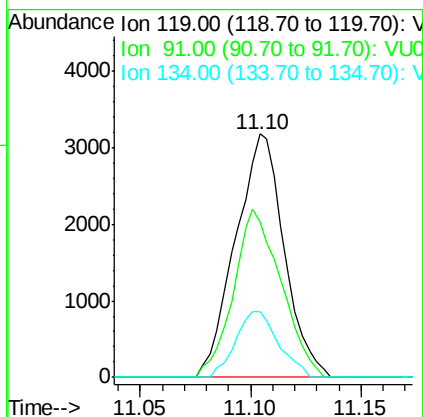
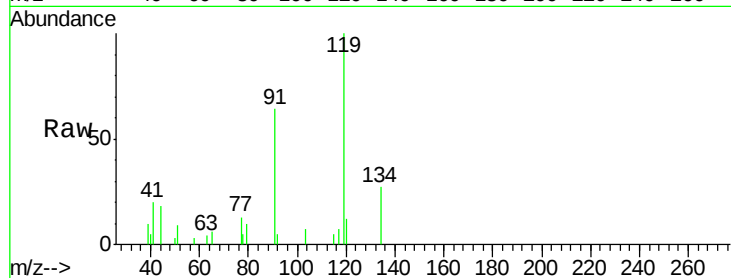
#83
tert-Butylbenzene
Concen: 0.48 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU024873.D
Acq: 25 Jun 2018 14:31

Instrument :
MSVOA_U
ClientSampleId :
DUP-0449-180618DL

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	29.7	89.1
134	23.9	11.6	34.7

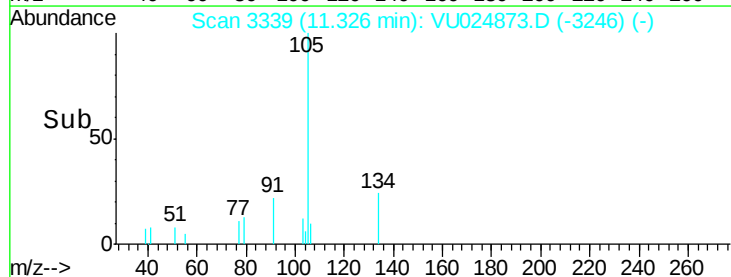
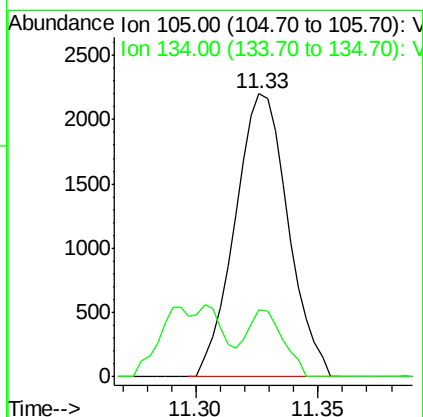
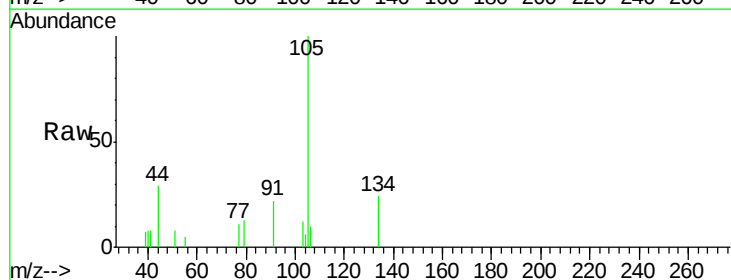
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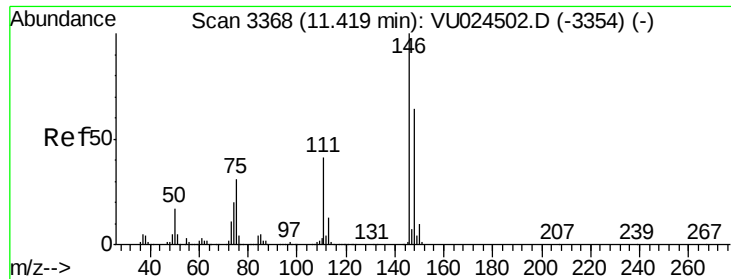
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#85
sec-Butylbenzene
Concen: 0.26 ug/l
RT: 11.33 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VU024873.D
Acq: 25 Jun 2018 14:31

Tgt Ion	Ratio	Lower	Upper
105	100		
134	16.0	9.7	29.1





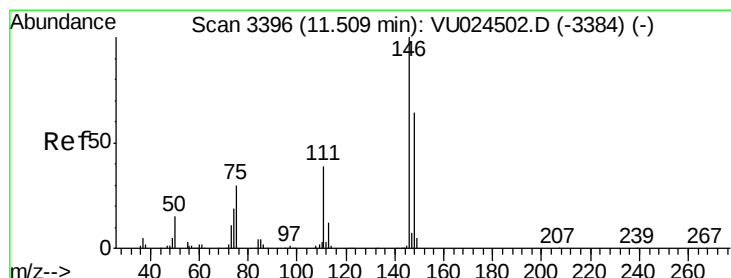
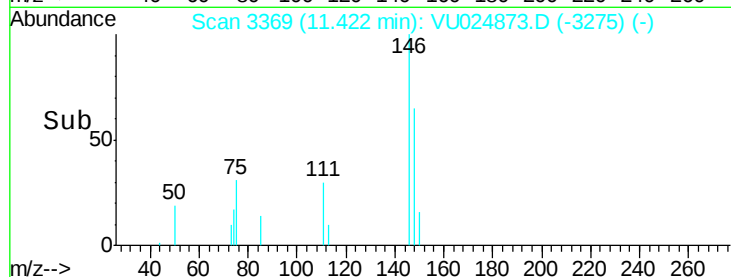
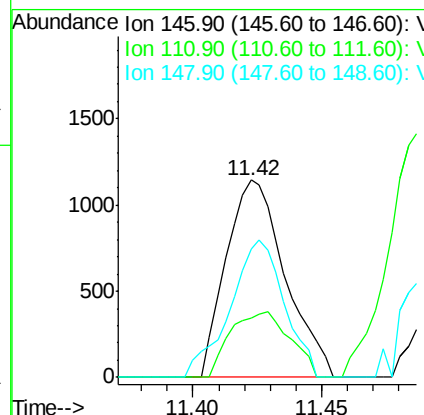
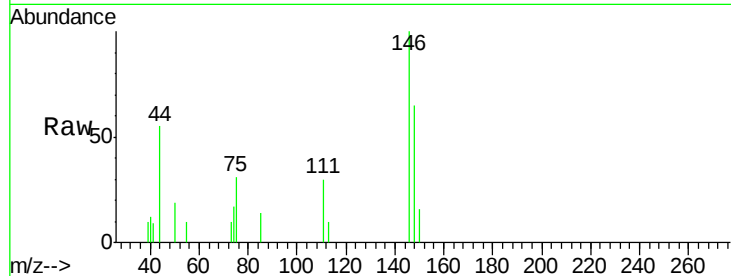
#87
 1,3-Dichlorobenzene
 Concen: 0.32 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024873.D
 Acq: 25 Jun 2018 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0449-180618DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.6	20.0	60.0
148	64.1	32.1	96.5

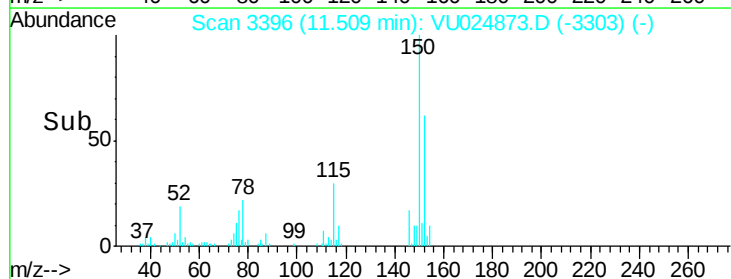
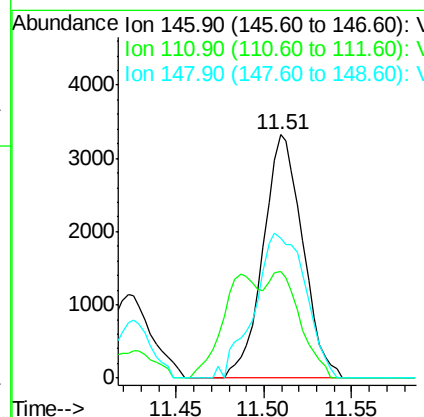
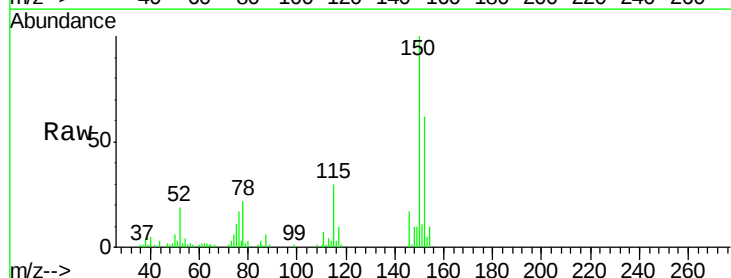
Manual Integrations
 APPROVED

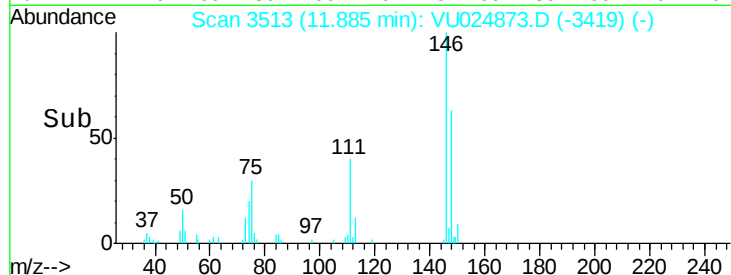
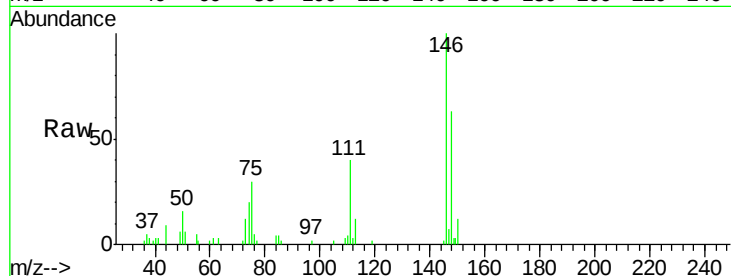
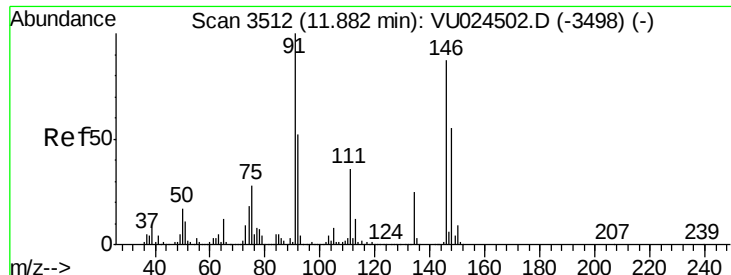
apatel
 6/27/2018 11:19:06 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.90 ug/l m
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024873.D
 Acq: 25 Jun 2018 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	11.8	19.5	58.5#
148	22.5	32.4	97.0#





#91
 1,2-Dichlorobenzene
 Concen: 1.82 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024873.D
 Acq: 25 Jun 2018 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0449-180618DL

Tot Ion:	146	Resp:	10471
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.5	61.6
148	65.1	31.9	95.7

Manual Integrations
 APPROVED

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 6/27/2018 11:19:06 AM

