

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031237.D
 Acq On : 14 Dec 2017 18:26
 Operator : SY/AP
 Sample : I6907-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
 APPROVED

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 12/15/2017 4:07:17 PM

Quant Time: Dec 15 07:16:42 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1594088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3894893	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3921921	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3061453	10.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	12867	0.10	ppbv	89
7) Chloroethane	3.72	64	13227	0.35	ppbv	96
9) Propene	3.15	41	37388	0.42	ppbv #	61
11) Trichlorofluoromethane	4.13	101	22222	0.10	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.68	101	73873	0.48	ppbv	98
13) Ethanol	3.79	45	38225	1.49	ppbv	94
15) Acetone	4.05	43	95206	0.45	ppbv #	74
18) 1,1-Dichloroethene	4.48	96	31738	0.46	ppbv	85
24) 1,1-Dichloroethane	5.23	63	456378	1.85	ppbv	99
32) 1,1,1-Trichloroethane	6.77	97	1490389	5.06	ppbv	99
53) Toluene	10.11	91	24707m	0.06	ppbv	

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

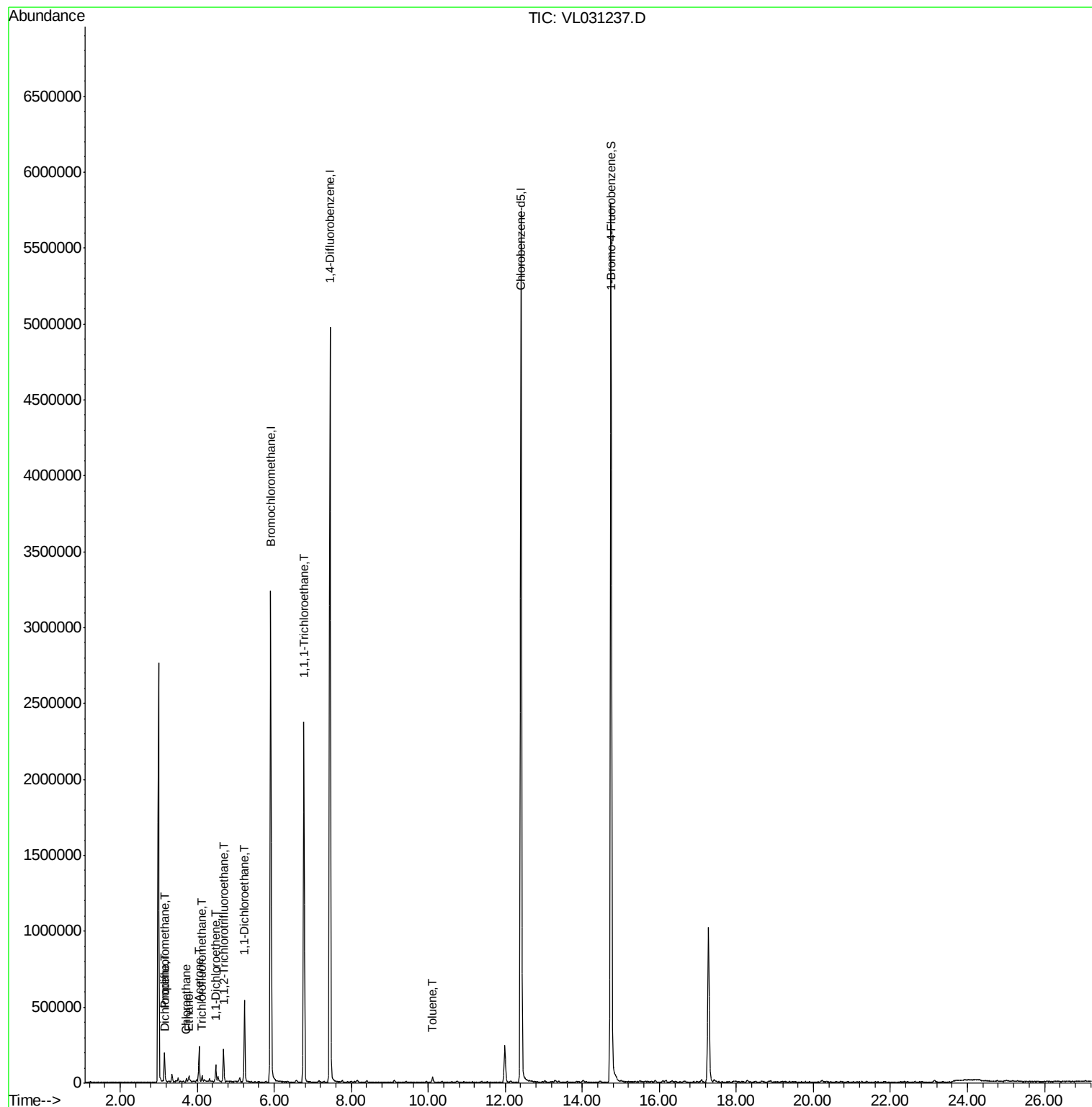
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
Data File : VL031237.D
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Operator : SY/AP
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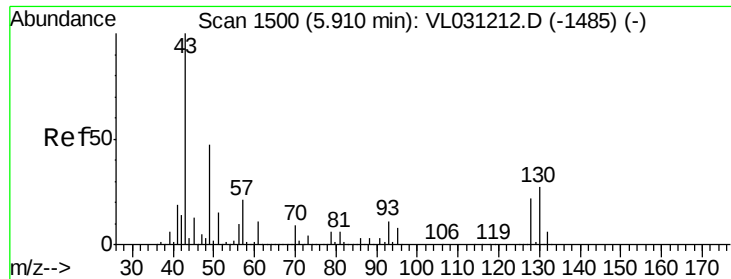
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
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12/15/2017 4:07:17 PM

Quant Time: Dec 15 07:16:42 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





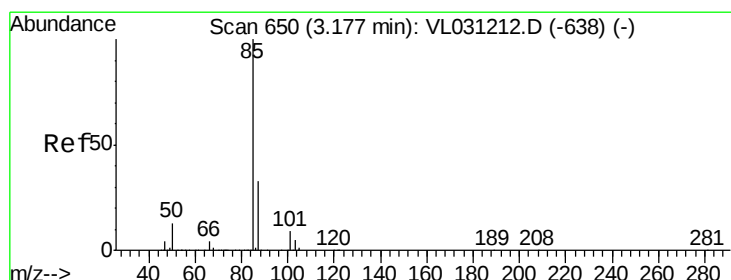
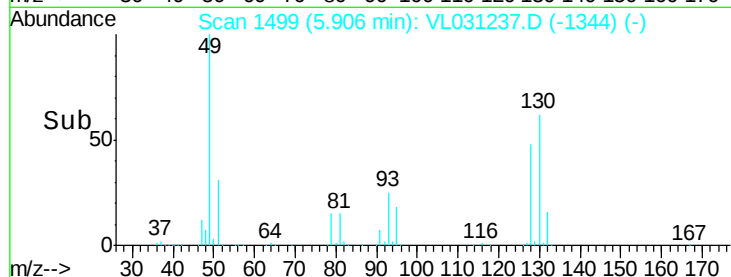
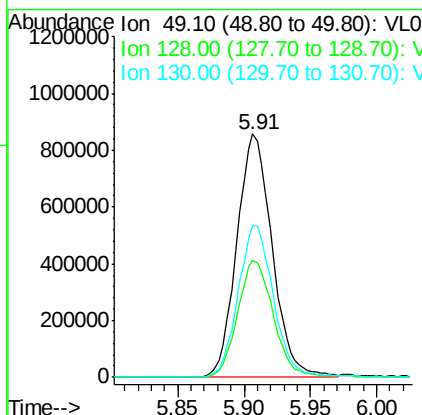
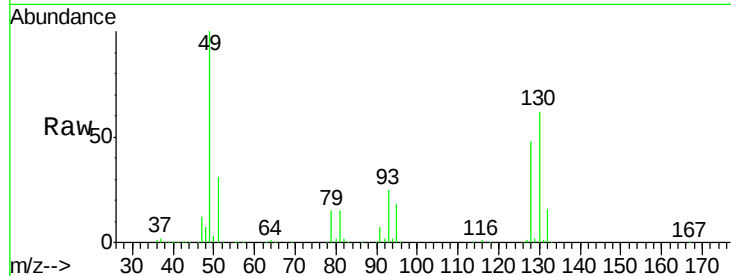
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.91 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VL031237.D
 Acq: 14 Dec 2017 18:26

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion: 49 Resp: 1594088
 Ion Ratio Lower Upper
 49 100
 128 49.2 23.2 69.5
 130 63.0 29.6 88.8

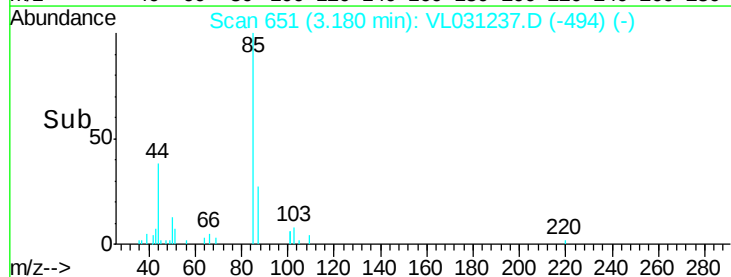
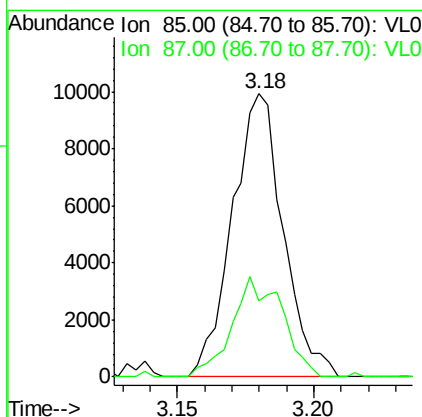
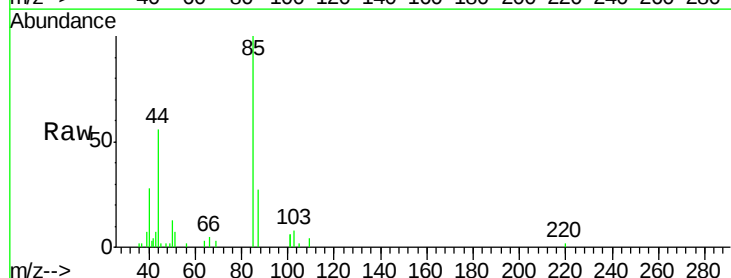
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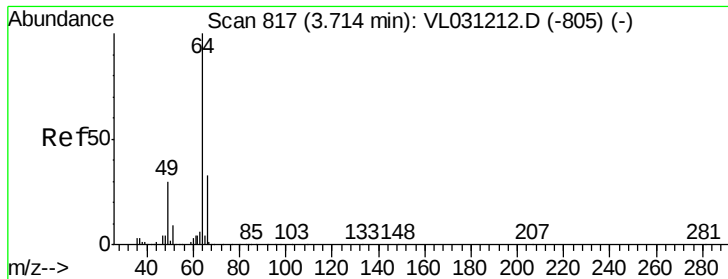
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#2
 Dichlorodifluoromethane
 Concen: 0.10 ppbv
 RT: 3.18 min Scan# 651
 Delta R.T. 0.00 min
 Lab File: VL031237.D
 Acq: 14 Dec 2017 18:26

Tgt Ion: 85 Resp: 12867
 Ion Ratio Lower Upper
 85 100
 87 26.7 26.2 39.2





#7

Chloroethane

Concen: 0.35 ppbv

RT: 3.72 min Scan# 819

Delta R.T. 0.01 min

Lab File: VL031237.D

Acq: 14 Dec 2017 18:26

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion: 64 Resp: 13227

Ion Ratio Lower Upper

64 100

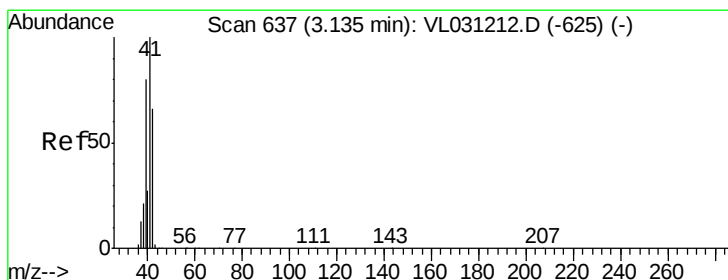
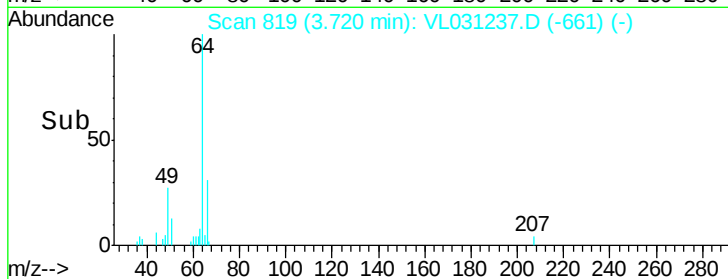
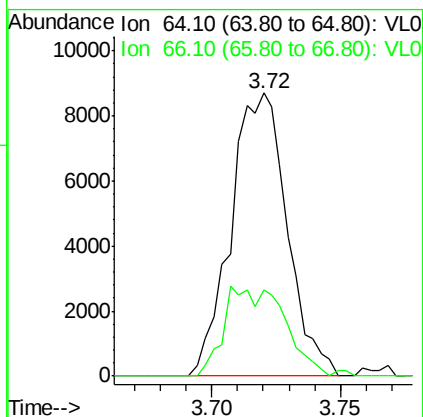
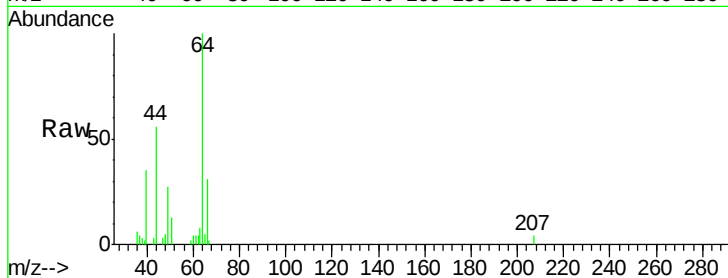
66 30.6 26.2 39.2

Manual Integrations

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#9

Propene

Concen: 0.42 ppbv

RT: 3.15 min Scan# 641

Delta R.T. 0.01 min

Lab File: VL031237.D

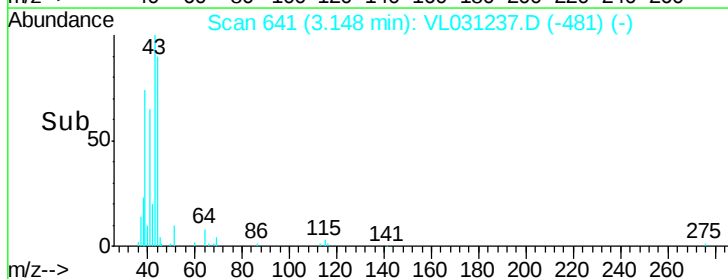
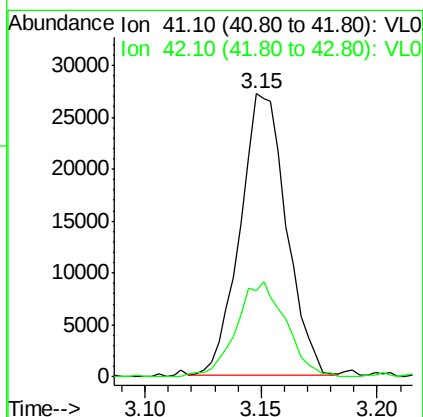
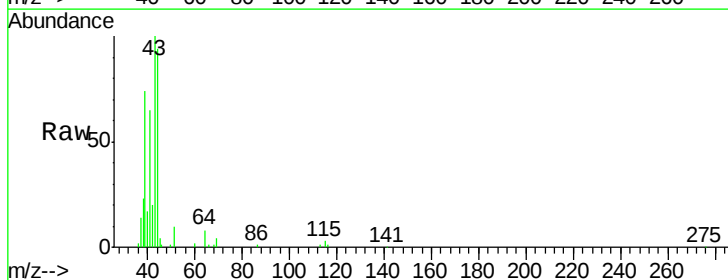
Acq: 14 Dec 2017 18:26

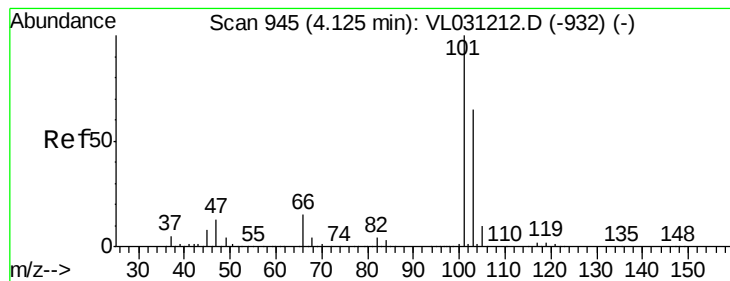
Tgt Ion: 41 Resp: 37388

Ion Ratio Lower Upper

41 100

42 36.3 54.3 81.5#





#11

Trichlorofluoromethane

Concen: 0.10 ppbv

RT: 4.13 min Scan# 945

Delta R.T. 0.00 min

Lab File: VL031237.D

Acq: 14 Dec 2017 18:26

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion:101 Resp: 22222

Ion Ratio Lower Upper

101 100

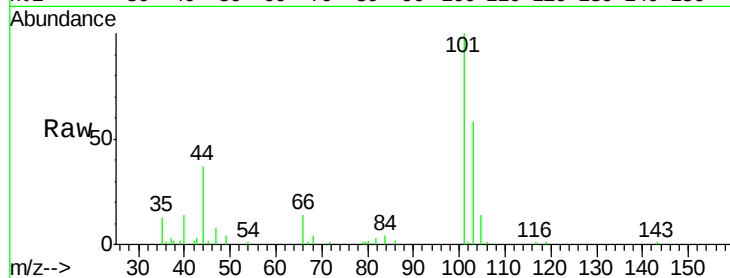
103 57.7 51.8 77.8

Manual Integrations

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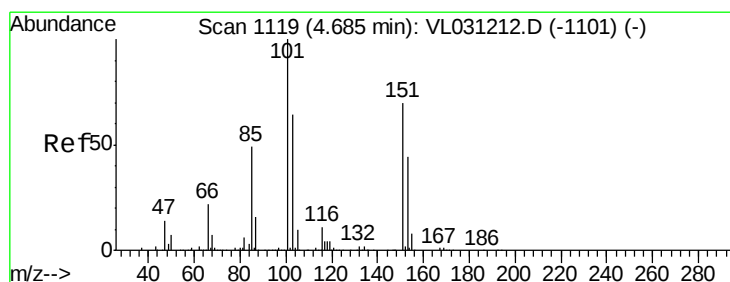
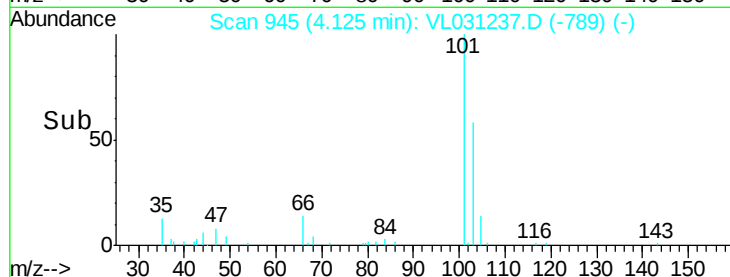
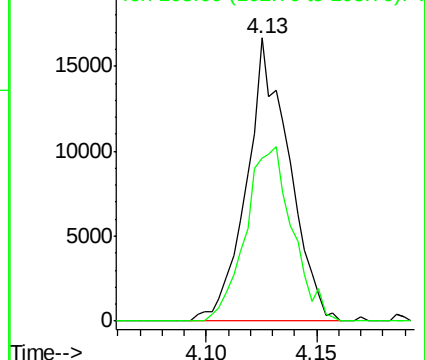
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.48 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VL031237.D

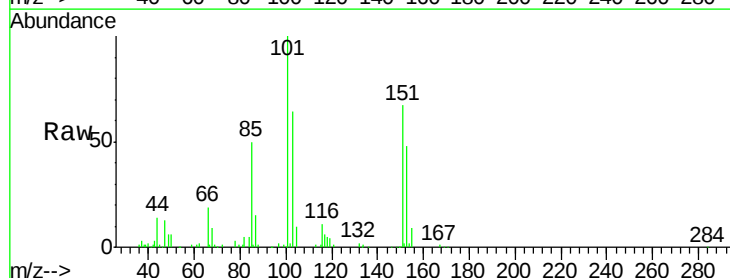
Acq: 14 Dec 2017 18:26

Tgt Ion:101 Resp: 73873

Ion Ratio Lower Upper

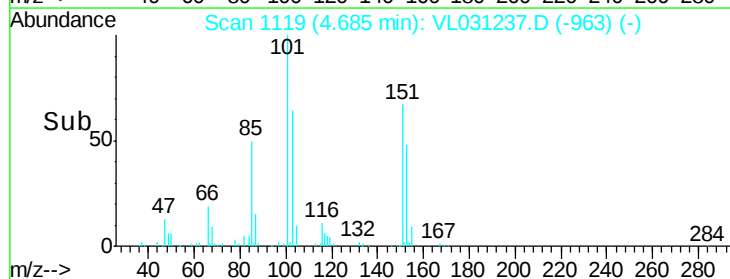
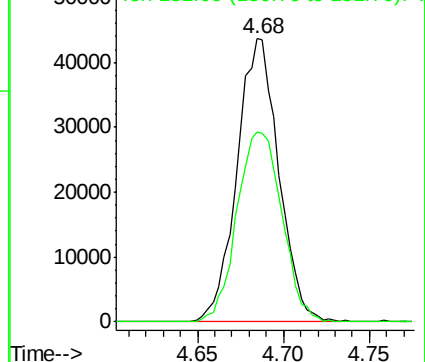
101 100

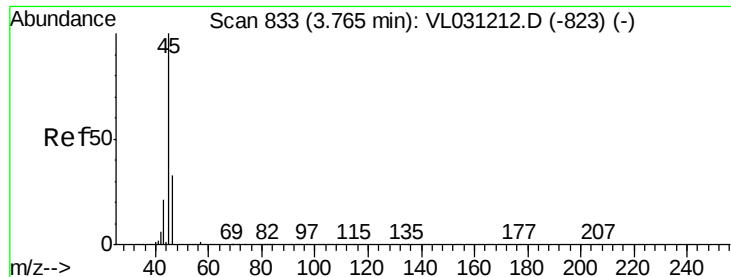
151 72.2 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





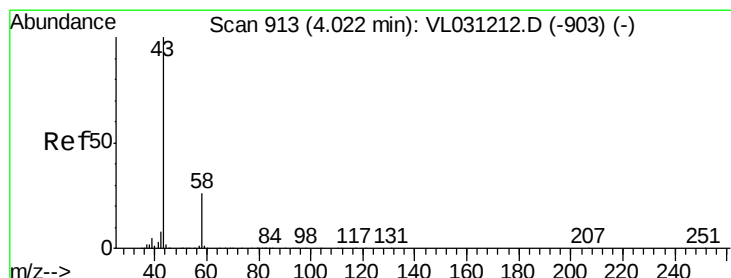
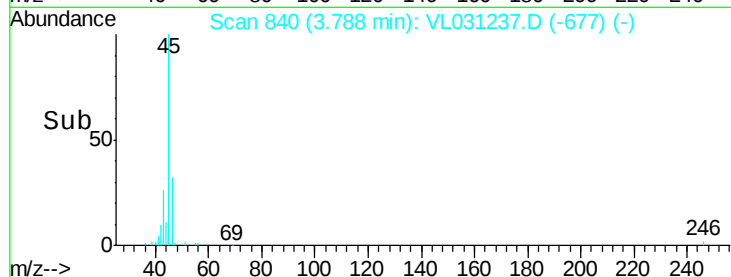
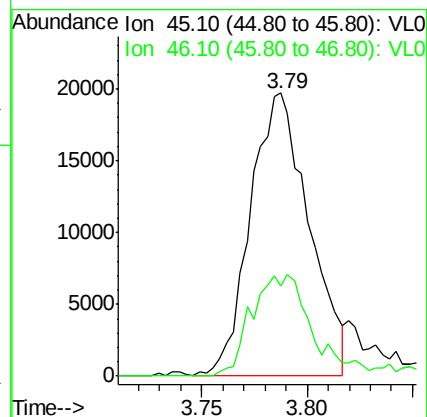
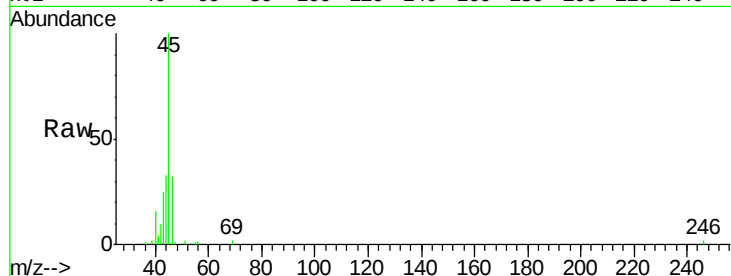
#13
Ethanol
Concen: 1.49 ppbv
RT: 3.79 min Scan# 840
Delta R.T. 0.02 min
Lab File: VL031237.D
Acq: 14 Dec 2017 18:26

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion	45	Resp	38225
Ion Ratio	100	Lower	Upper
45	100		
46	39.9	14.6	58.4

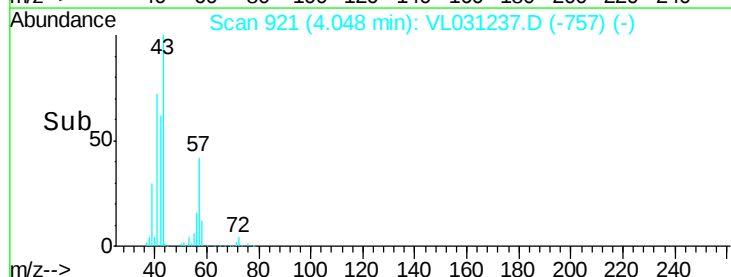
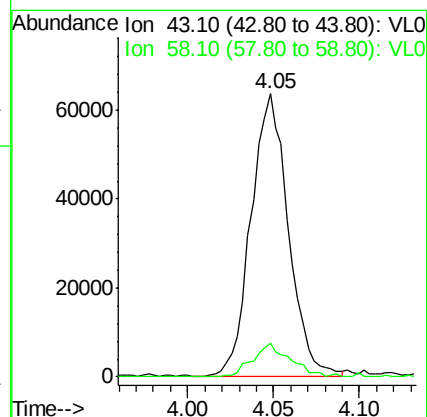
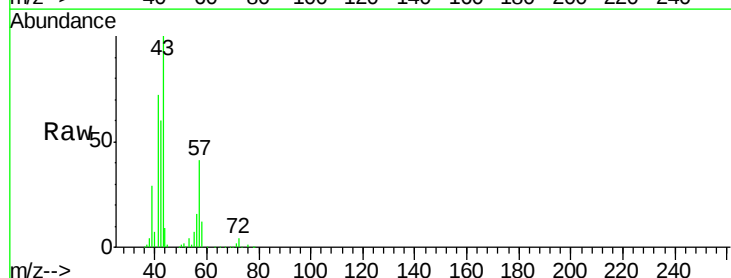
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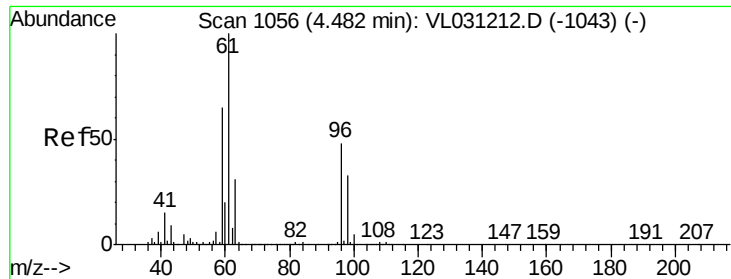
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#15
Acetone
Concen: 0.45 ppbv
RT: 4.05 min Scan# 921
Delta R.T. 0.03 min
Lab File: VL031237.D
Acq: 14 Dec 2017 18:26

Tgt Ion	43	Resp	95206
Ion Ratio	100	Lower	Upper
43	100		
58	12.2	20.3	30.5#





#18

1,1-Dichloroethene

Concen: 0.46 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031237.D

Acq: 14 Dec 2017 18:26

Instrument :

MSVOA_L

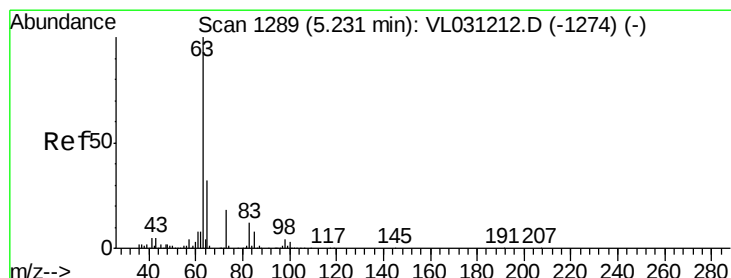
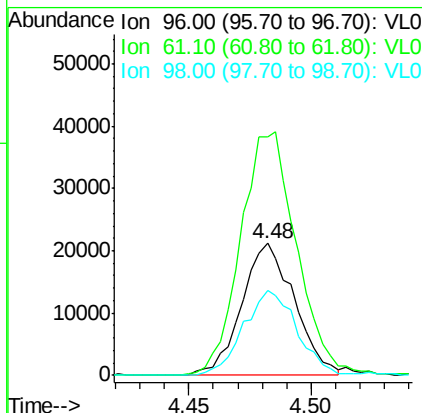
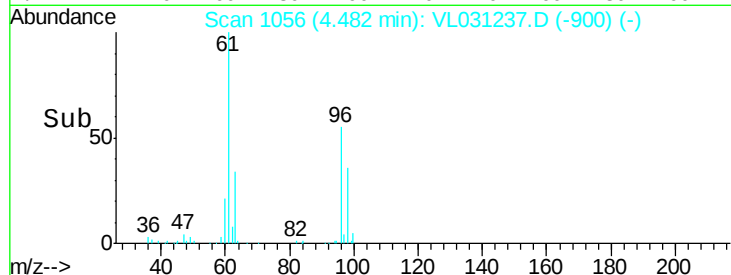
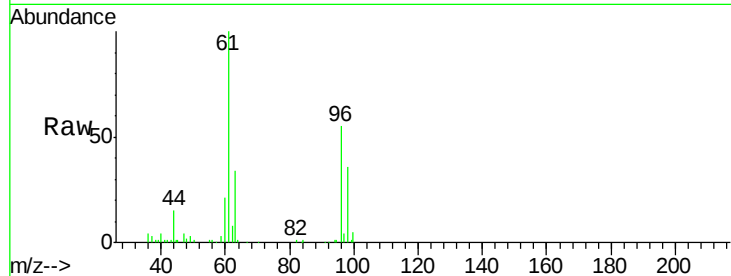
ClientSampled :

INFLUENTDL

Tot Ion:	96	Resp:	31738
Ion	Ratio	Lower	Upper
96	100		
61	179.4	166.8	250.2
98	64.7	55.0	82.6

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 1.85 ppbv

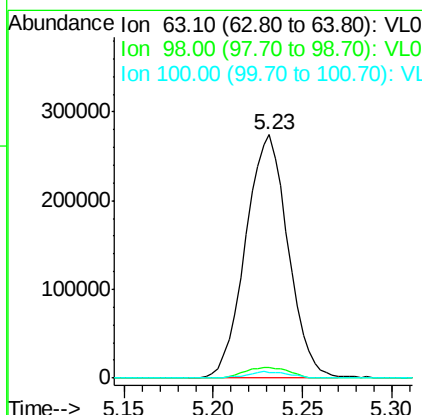
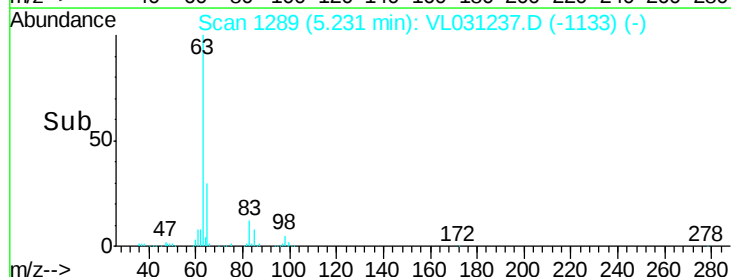
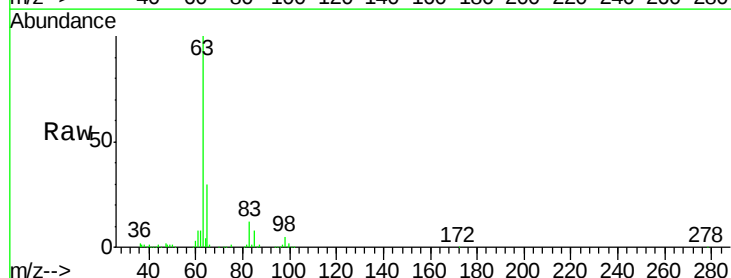
RT: 5.23 min Scan# 1289

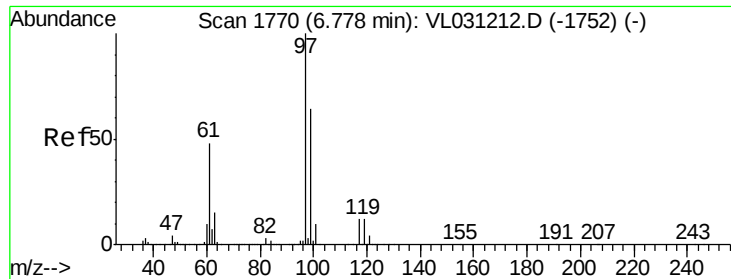
Delta R.T. 0.00 min

Lab File: VL031237.D

Acq: 14 Dec 2017 18:26

Tgt Ion:	63	Resp:	456378
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.1	1.4	4.2





#32
 1,1,1-Trichloroethane
 Concen: 5.06 ppbv
 RT: 6.77 min Scan# 1768
 Delta R.T. -0.01 min
 Lab File: VL031237.D
 Acq: 14 Dec 2017 18:26

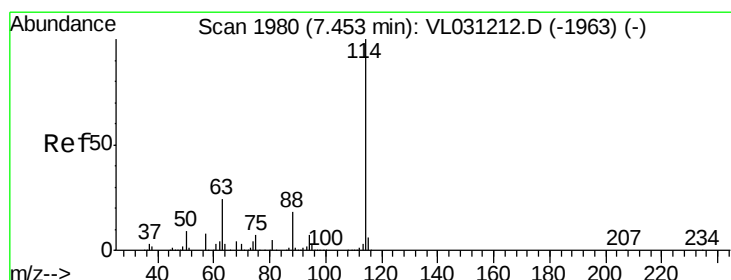
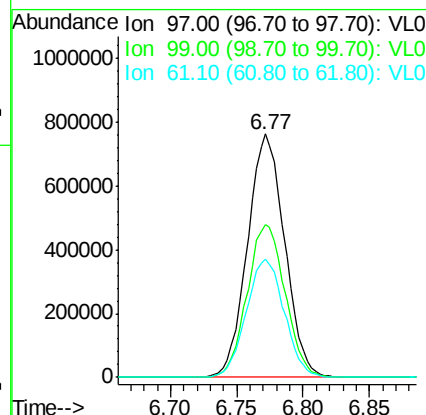
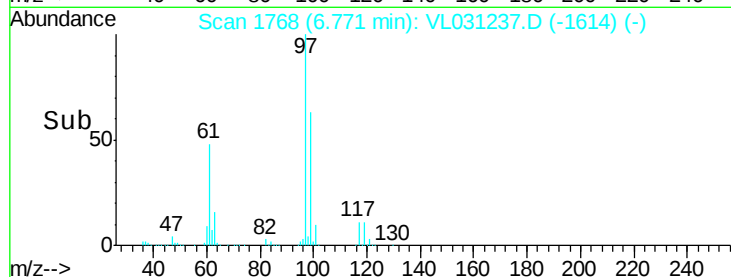
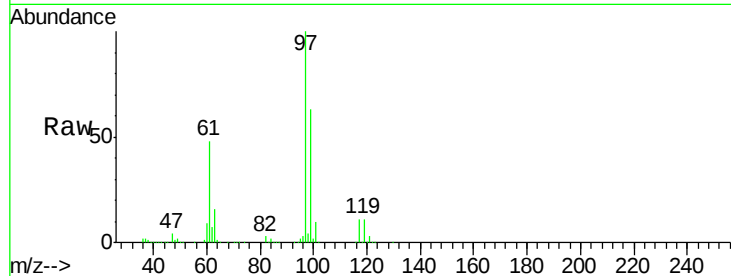
Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion: 97 Resp: 1490389

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	49.7	38.4	57.6

Manual Integrations
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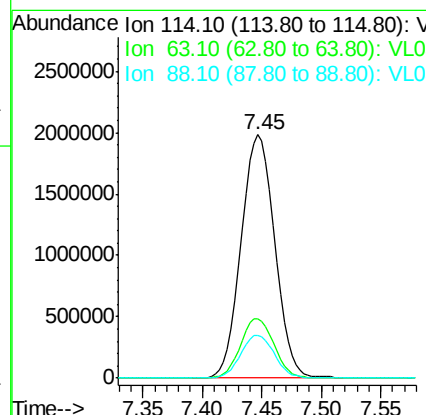
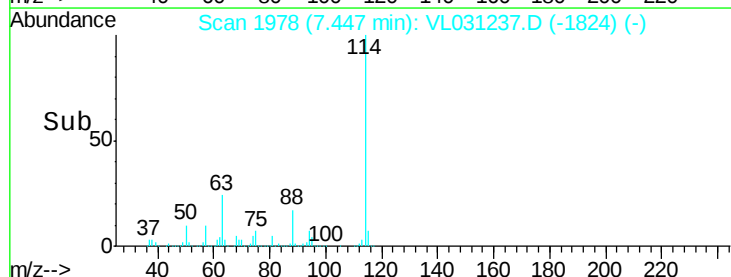
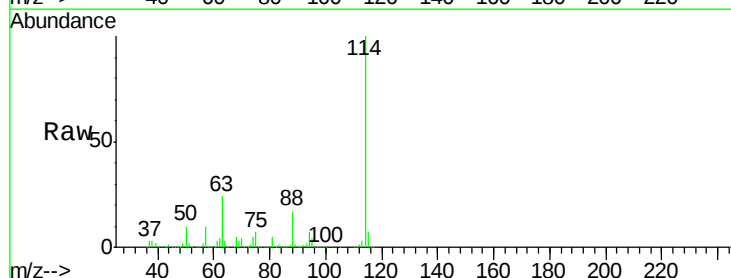
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 12/15/2017 4:07:17 PM

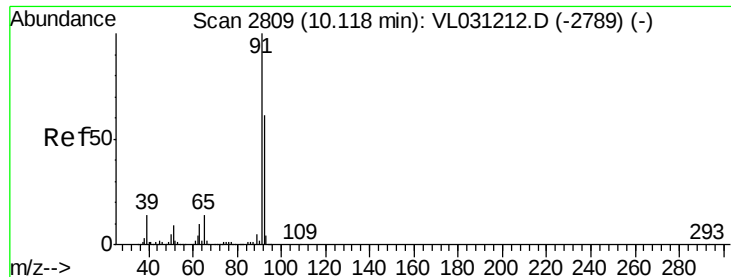


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: VL031237.D
 Acq: 14 Dec 2017 18:26

Tgt Ion: 114 Resp: 3894893

Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.8
88	17.6	14.2	21.4





#53

Toluene

Concen: 0.06 ppbv m

RT: 10.11 min Scan# 2805

Delta R.T. -0.01 min

Lab File: VL031237.D

Acq: 14 Dec 2017 18:26

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion: 91 Resp: 24707

Ion Ratio Lower Upper

91 100

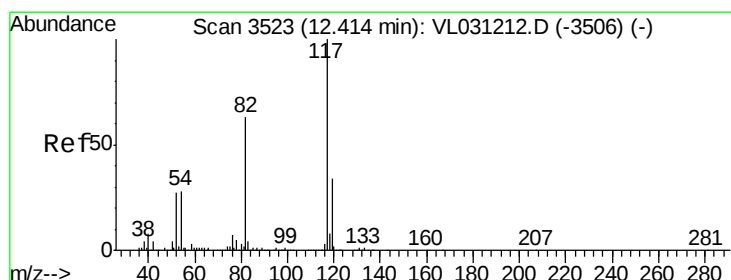
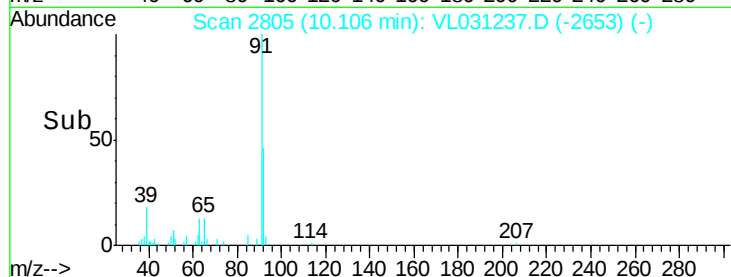
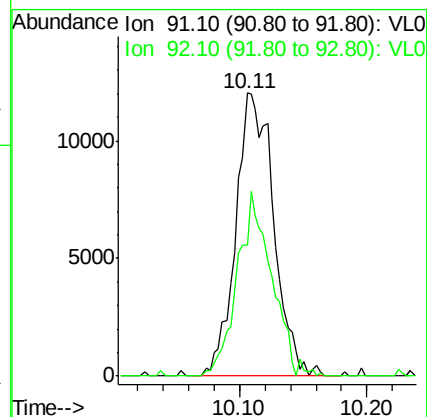
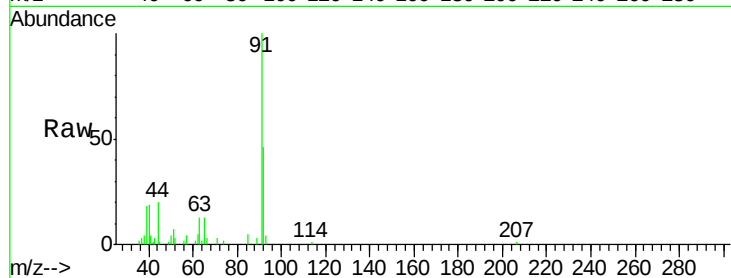
92 59.5 49.1 73.7

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031237.D

Acq: 14 Dec 2017 18:26

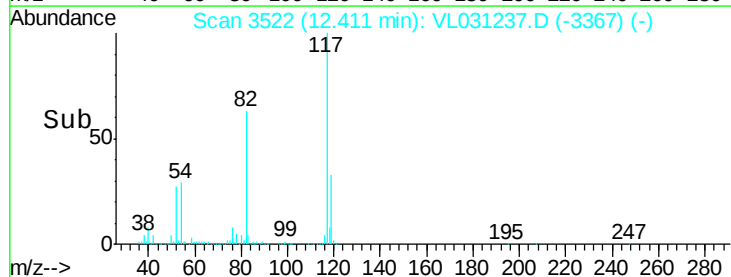
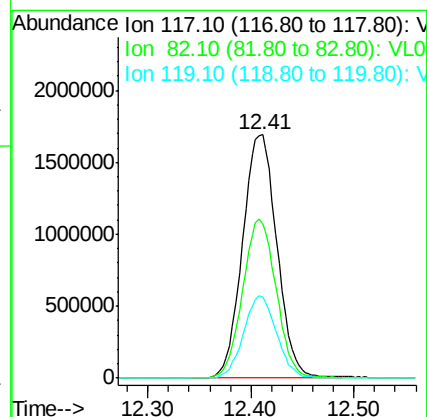
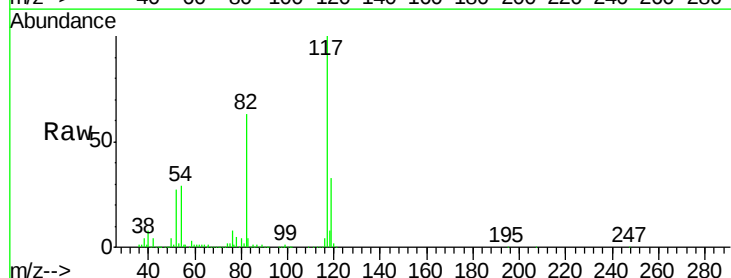
Tgt Ion: 117 Resp: 3921921

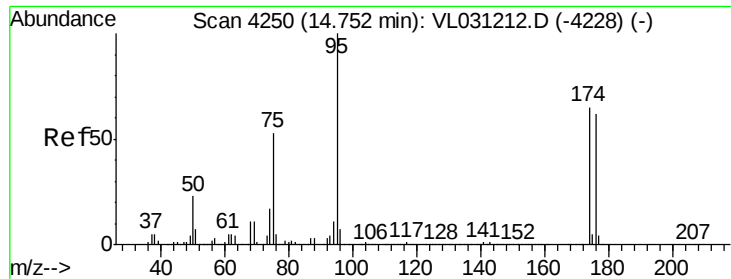
Ion Ratio Lower Upper

117 100

82 63.9 48.1 72.1

119 32.6 23.1 34.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.97 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.01 min
 Lab File: VL031237.D
 Acq: 14 Dec 2017 18:26

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion: 95 Resp: 3061453

Ion	Ratio	Lower	Upper
95	100		
174	62.3	52.5	78.7
175	4.8	4.1	6.1

Manual Integrations
 APPROVED

MMDadoda
 12/15/2017 4:07:17 PM

