

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031868.D
 Acq On : 12 Apr 2018 16:46
 Operator : SY/AP
 Sample : J2191-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218DL

Manual Integrations
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 4/15/2018 3:07:28 PM

Quant Time: Apr 14 03:16:34 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1255837	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2625011	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2548166	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.73	95	2048740	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.16	85	101932	0.394	ppbv	95
9) Propene	3.13	41	26594m	0.527	ppbv	
11) Trichlorofluoromethane	4.11	101	209152	0.824	ppbv	97
13) Ethanol	3.76	45	167452	9.769	ppbv	95
15) Acetone	4.02	43	327819	1.696	ppbv	96
20) Methylene Chloride	4.52	84	30979m	0.440	ppbv	
24) 1,1-Dichloroethane	5.21	63	47025	0.241	ppbv #	94
26) Hexane	5.91	57	37742	0.269	ppbv #	43
30) Cyclohexane	7.40	84	33657m	0.335	ppbv	
31) cis-1,2-Dichloroethene	5.76	61	18165m	0.143	ppbv	
32) 1,1,1-Trichloroethane	6.76	97	68007	0.293	ppbv	99
38) Trichloroethene	8.10	130	68443m	0.714	ppbv	
53) Toluene	10.10	91	232038	0.881	ppbv	96

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

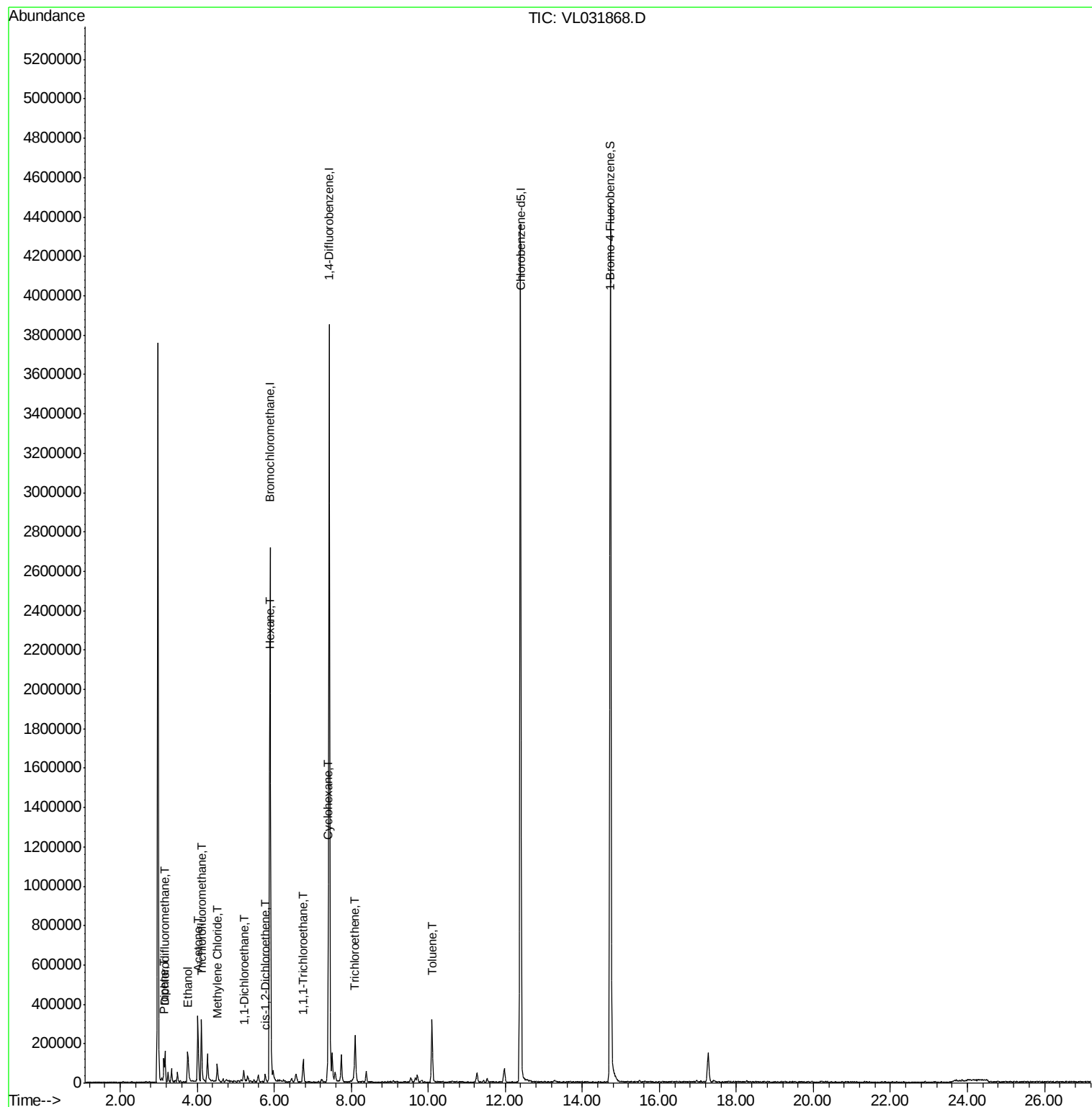
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
Data File : VL031868.D
Acq On : 12 Apr 2018 16:46
Operator : SY/AP
Sample : J2191-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

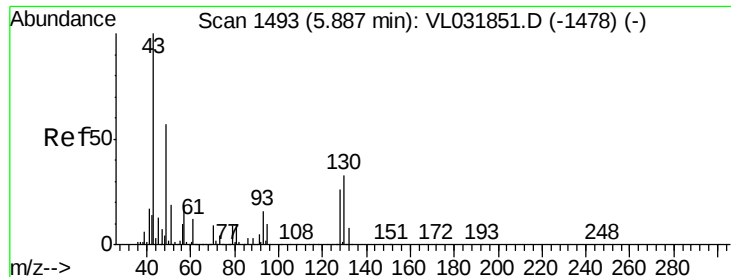
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218DL

Manual Integrations
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Quant Time: Apr 14 03:16:34 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL031868.D

Acq: 12 Apr 2018 16:46

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218DL

Tot Ion: 49 Resp: 1255837

Ion Ratio Lower Upper

49 100

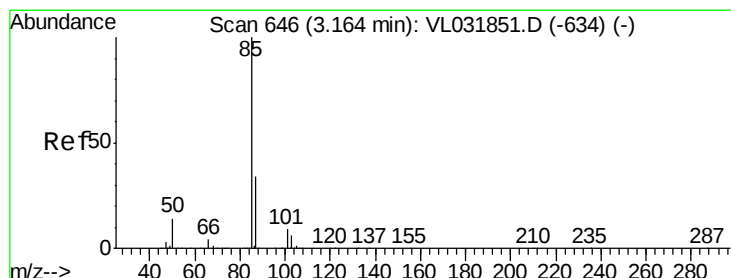
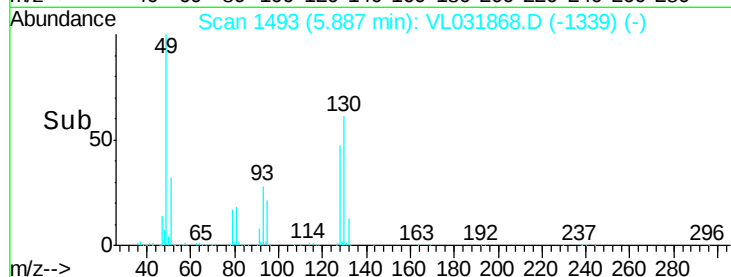
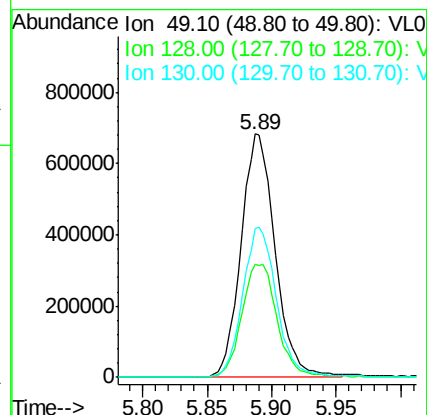
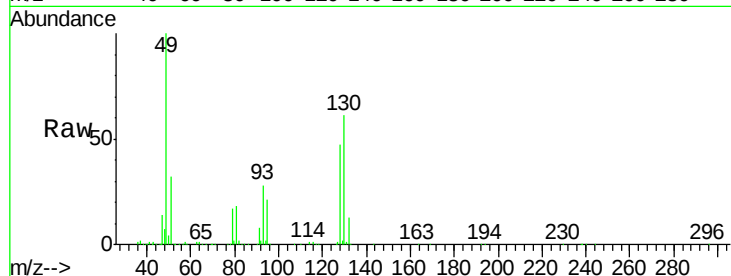
128 48.8 23.9 71.7

130 62.2 30.9 92.7

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#2

Dichlorodifluoromethane

Concen: 0.394 ppbv

RT: 3.16 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL031868.D

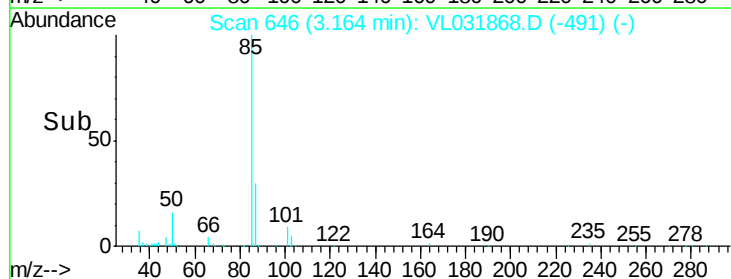
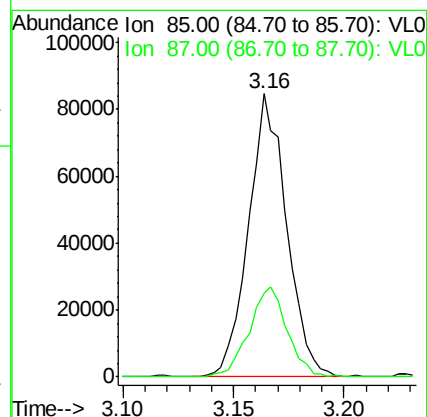
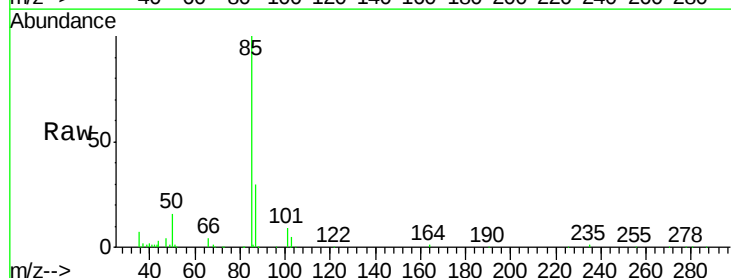
Acq: 12 Apr 2018 16:46

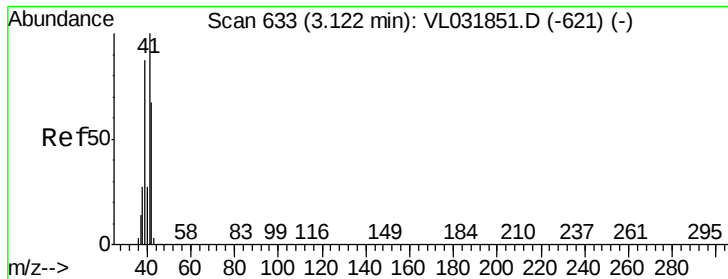
Tgt Ion: 85 Resp: 101932

Ion Ratio Lower Upper

85 100

87 29.7 25.9 38.9





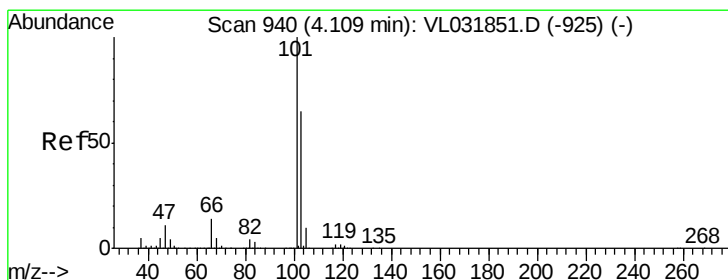
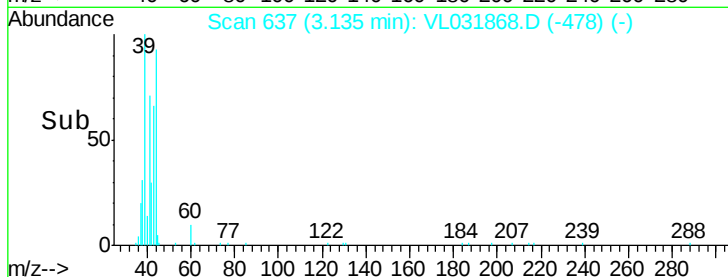
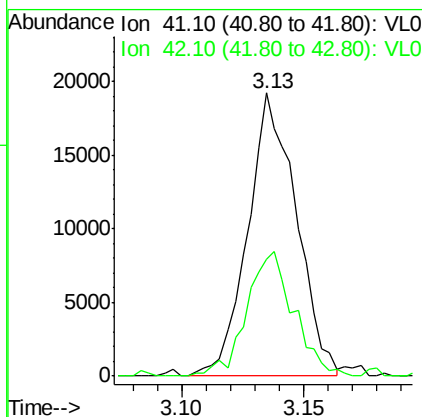
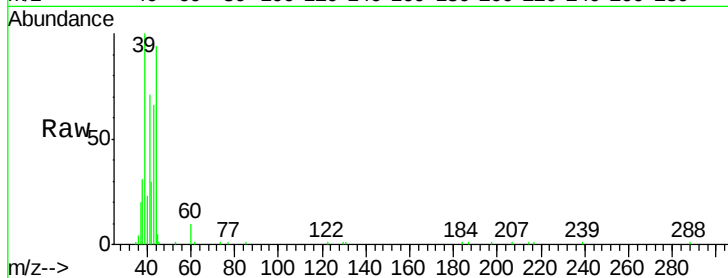
#9
 Propene
 Concen: 0.527 ppbv m
 RT: 3.13 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VL031868.D
 Acq: 12 Apr 2018 16:46

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218DL

Tot Ion: 41 Resp: 26594
 Ion Ratio Lower Upper
 41 100
 42 48.0 55.0 82.4#

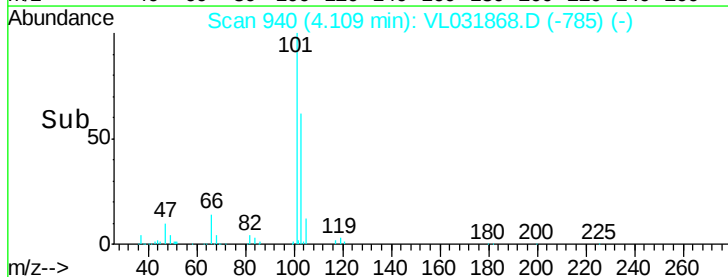
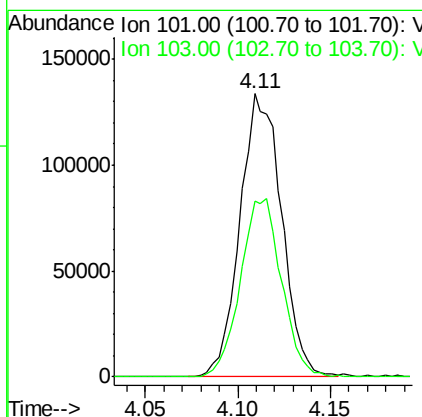
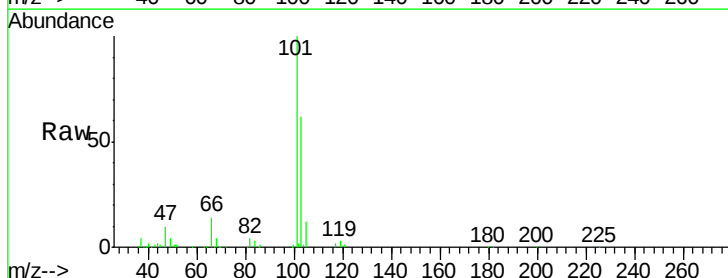
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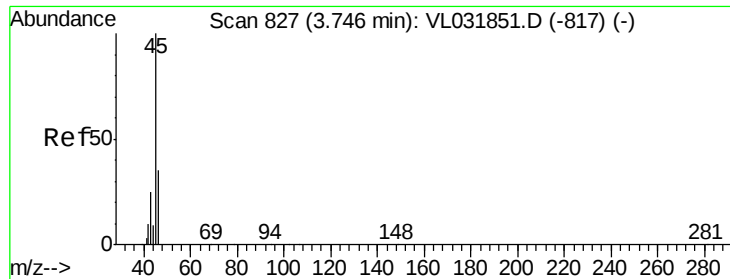
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#11
 Trichlorofluoromethane
 Concen: 0.824 ppbv
 RT: 4.11 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VL031868.D
 Acq: 12 Apr 2018 16:46

Tgt Ion: 101 Resp: 209152
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.8 77.8





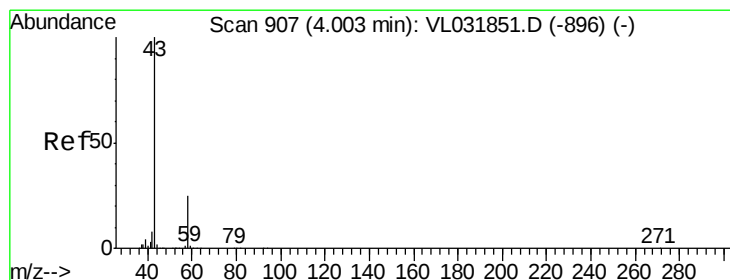
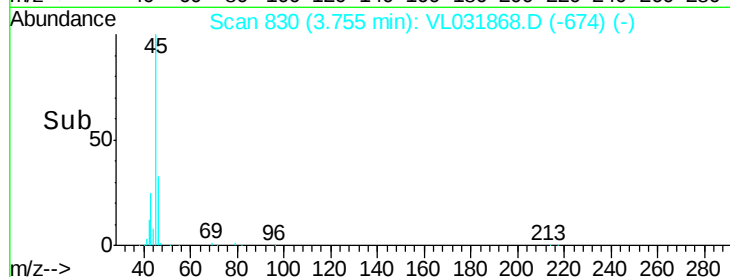
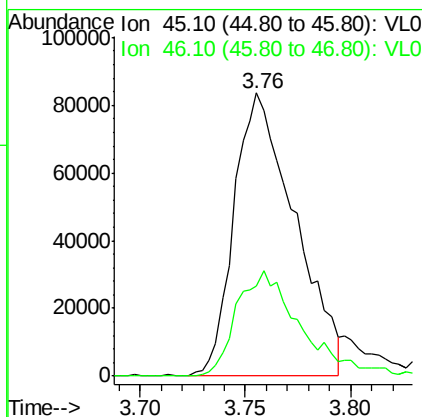
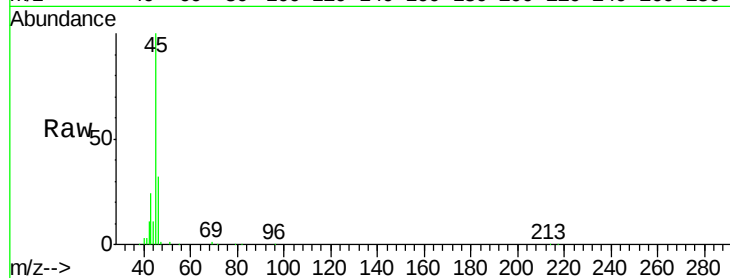
#13
Ethanol
Concen: 9.769 ppbv
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031868.D
Acq: 12 Apr 2018 16:46

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218DL

Tot Ion	45	46	Ratio	Lower	Upper
167452	100	39.6		14.6	58.6

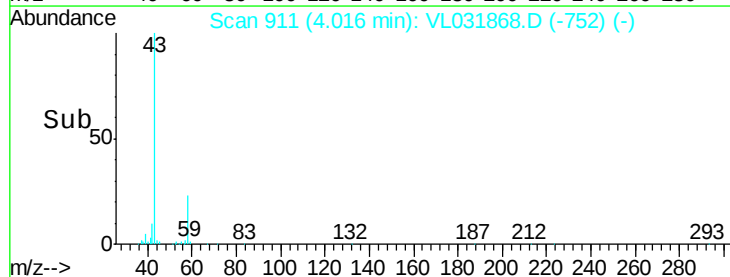
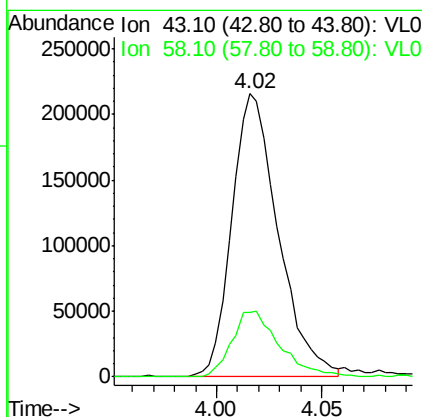
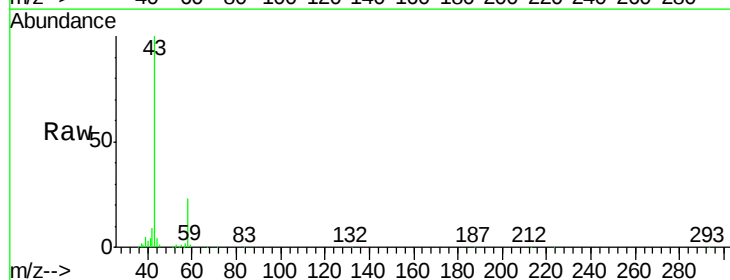
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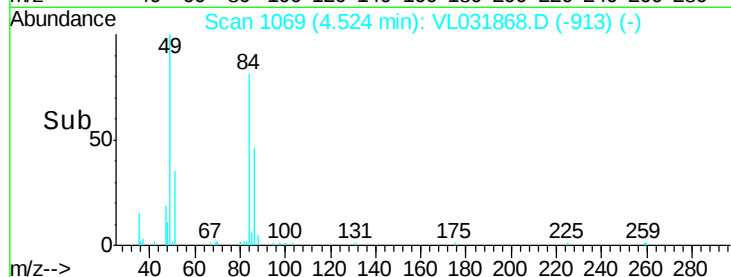
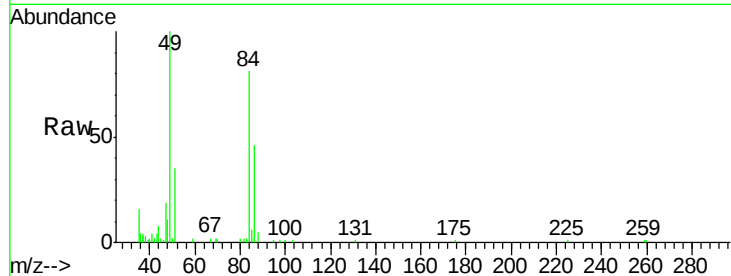
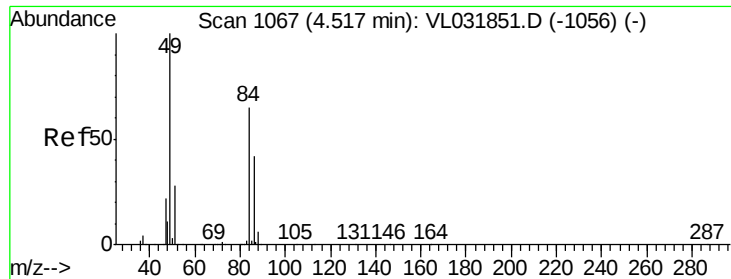
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#15
Acetone
Concen: 1.696 ppbv
RT: 4.02 min Scan# 911
Delta R.T. 0.01 min
Lab File: VL031868.D
Acq: 12 Apr 2018 16:46

Tgt Ion	43	58	Ratio	Lower	Upper
327819	100	24.0		20.9	31.3





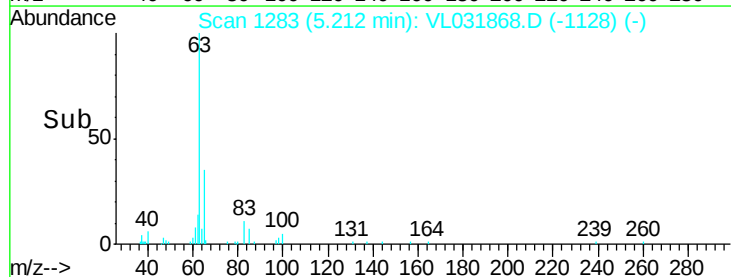
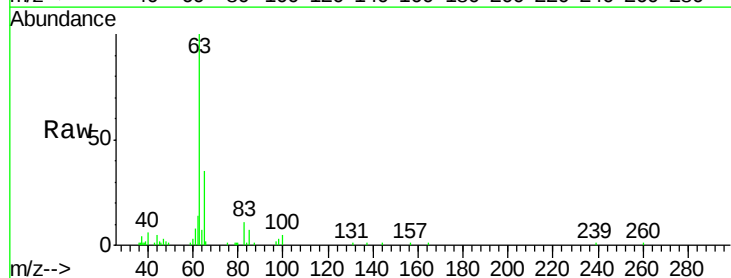
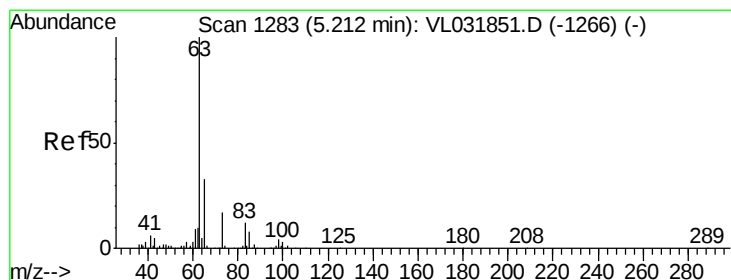
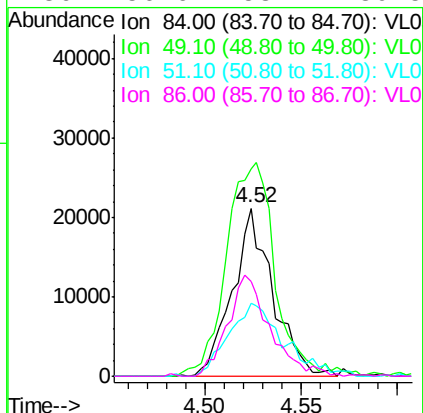
#20
Methvlene Chloride
Concen: 0.440 ppbv m
RT: 4.52 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VL031868.D
Acq: 12 Apr 2018 16:46

Tot Ion	Ratio	Resp	Lower	Upper
84	100			
49	123.1	125.6	188.4#	
51	43.2	36.4	54.6	
86	56.6	53.7	80.5	

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218DL

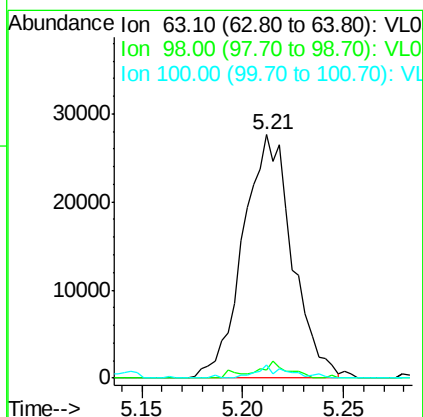
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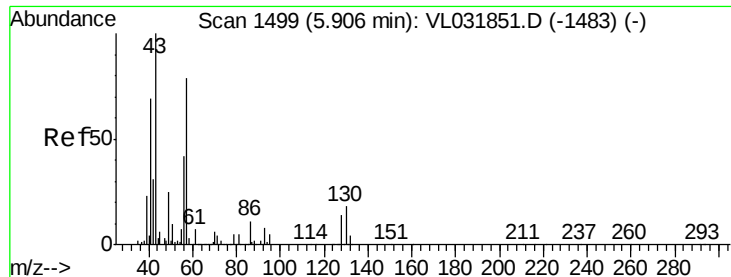
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#24
1,1-Dichloroethane
Concen: 0.241 ppbv
RT: 5.21 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VL031868.D
Acq: 12 Apr 2018 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
98	3.1	2.4	7.2	
100	5.4	1.5	4.4#	





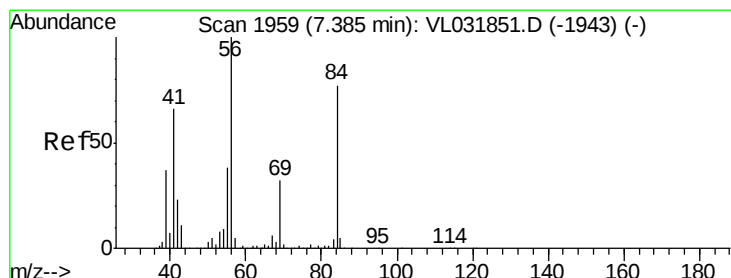
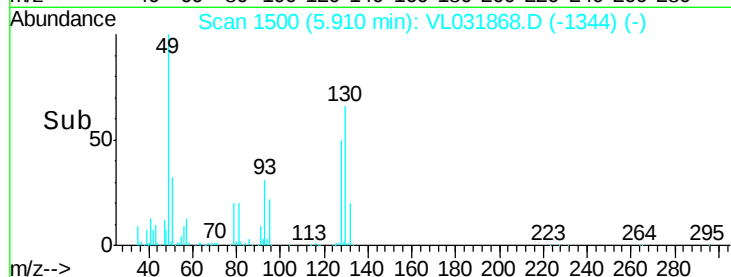
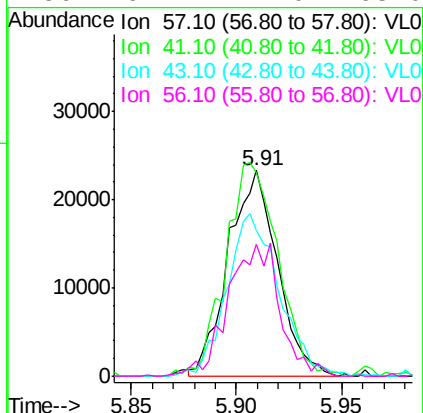
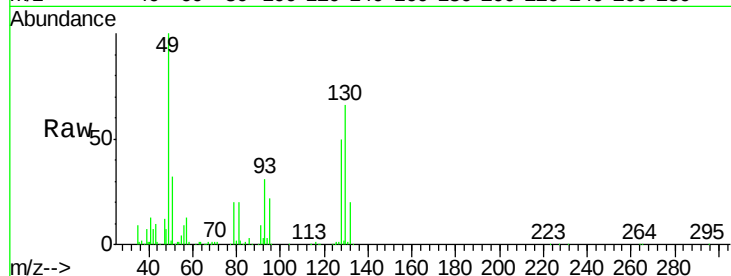
#26
Hexane
Concen: 0.269 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031868.D
Acq: 12 Apr 2018 16:46

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218DL

Tot Ion: 57 Resp: 37742
Ion Ratio Lower Upper
57 100
41 110.7 72.0 108.0#
43 84.8 169.8 254.8#
56 67.7 42.0 63.0#

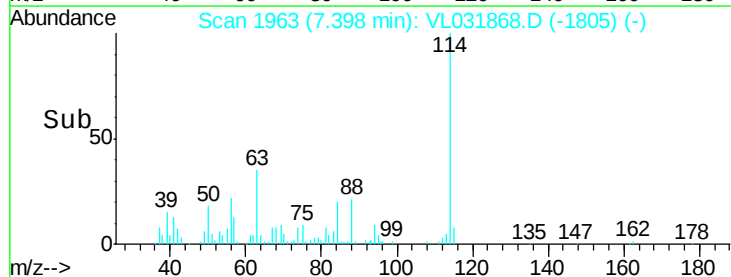
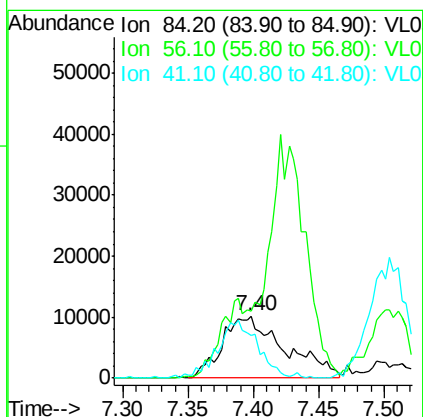
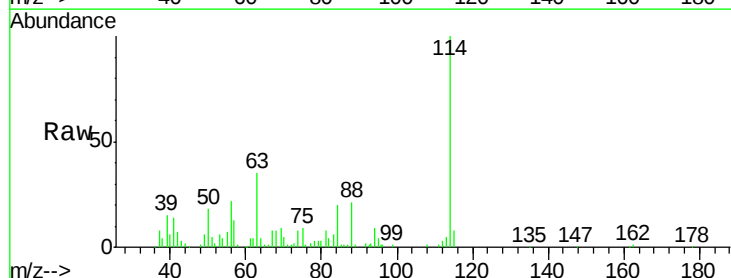
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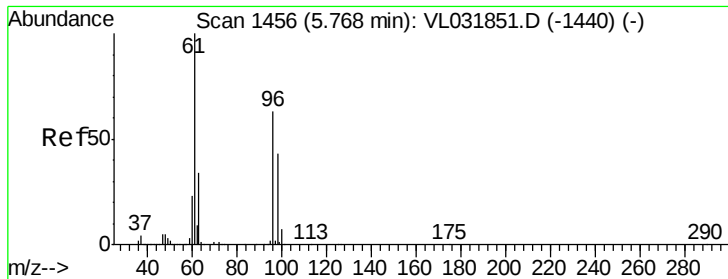
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#30
Cyclohexane
Concen: 0.335 ppbv m
RT: 7.40 min Scan# 1963
Delta R.T. 0.01 min
Lab File: VL031868.D
Acq: 12 Apr 2018 16:46

Tgt Ion: 84 Resp: 33657
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 60.9 68.2 102.2#





#31

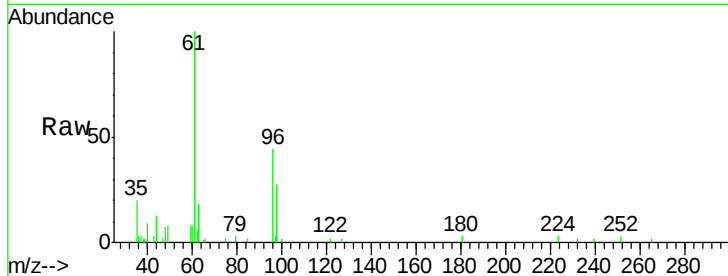
cis-1,2-Dichloroethene
 Concen: 0.143 ppbv m
 RT: 5.76 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: VL031868.D
 Acq: 12 Apr 2018 16:46

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218DL

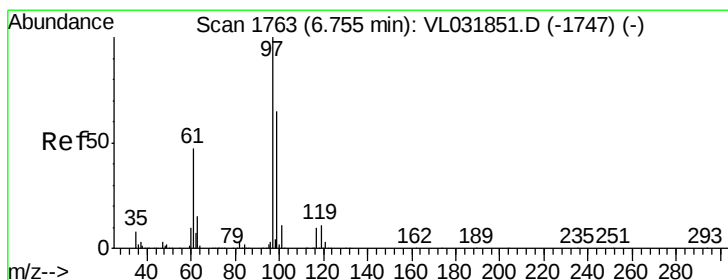
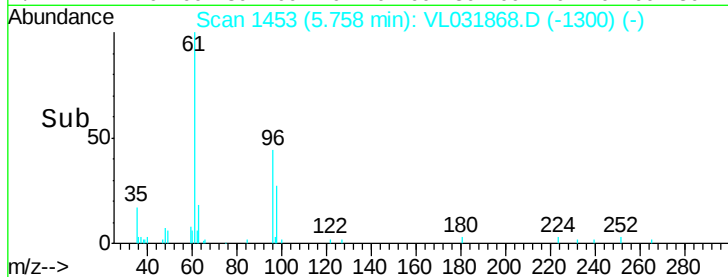
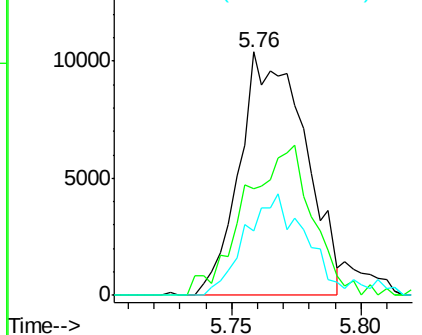
Tot Ion	Ratio	Lower	Upper
61	100		
96	43.8	47.6	71.4#
98	26.6	30.3	45.5#

Manual Integrations
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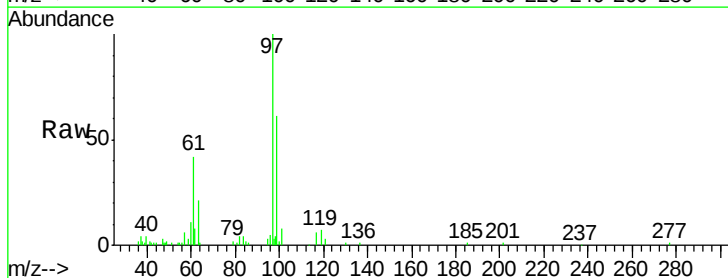
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



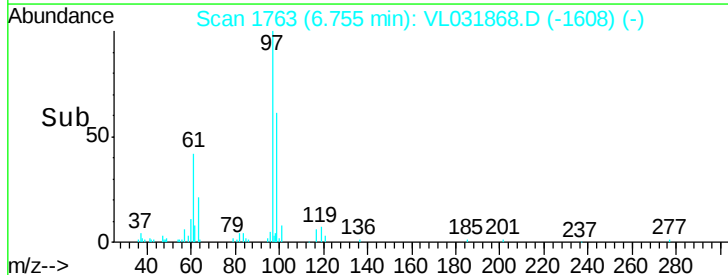
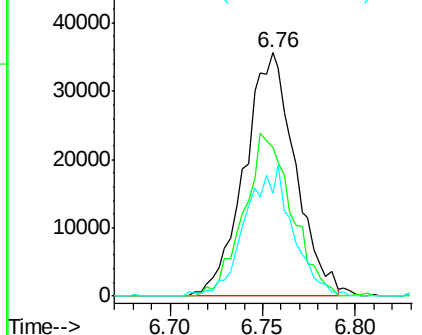
#32

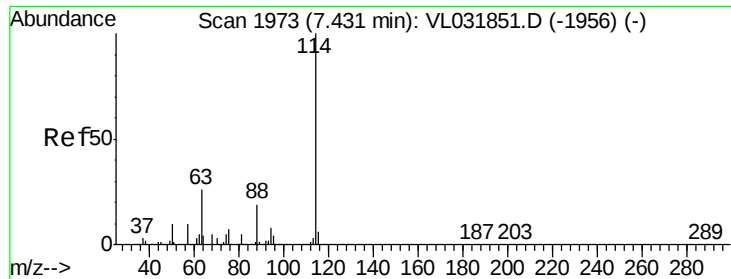
1,1,1-Trichloroethane
 Concen: 0.293 ppbv
 RT: 6.76 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VL031868.D
 Acq: 12 Apr 2018 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.5	77.3
61	49.6	40.0	60.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.43 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VL031868.D

Acq: 12 Apr 2018 16:46

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218DL

Tot Ion:114 Resp: 2625011

Ion Ratio Lower Upper

114 100

63 27.5 21.8 32.6

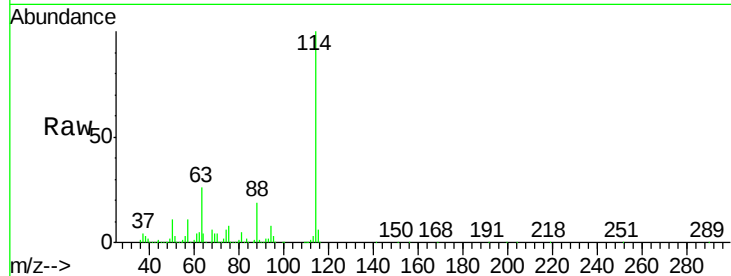
88 18.8 14.6 22.0

Manual Integrations

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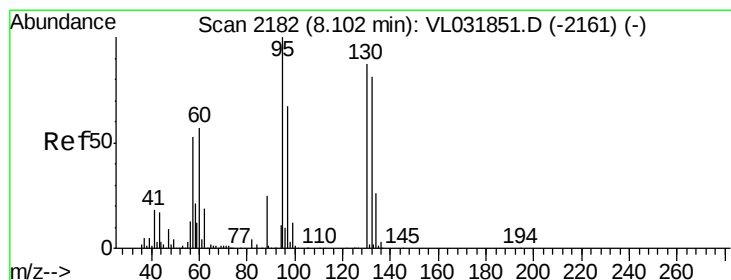
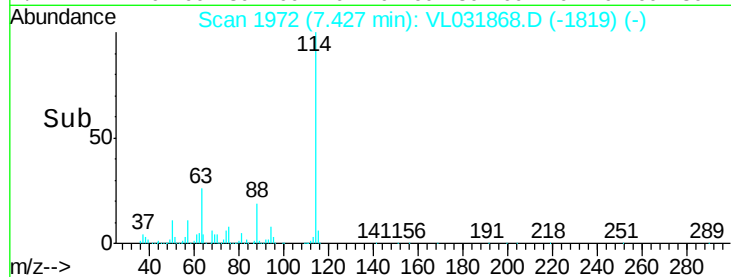
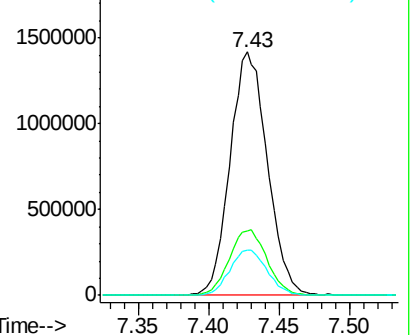
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 0.714 ppbv m

RT: 8.10 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL031868.D

Acq: 12 Apr 2018 16:46

Tgt Ion:130 Resp: 68443

Ion Ratio Lower Upper

130 100

95 102.7 96.6 144.8

132 79.2 79.1 118.7

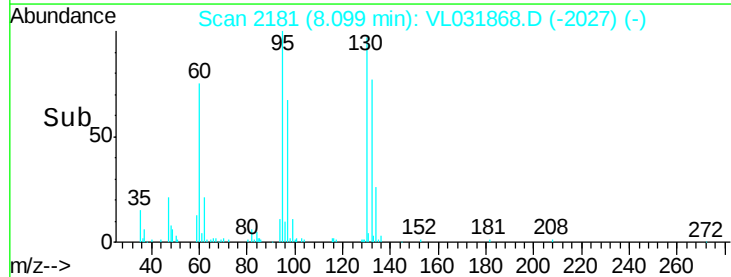
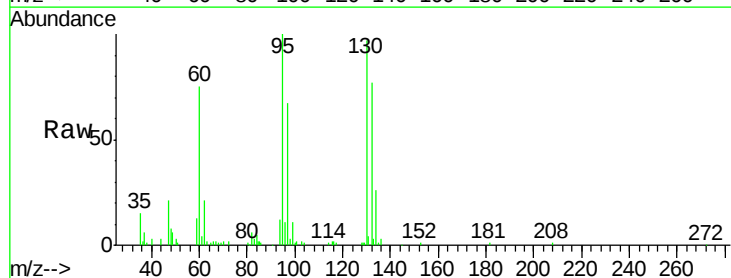
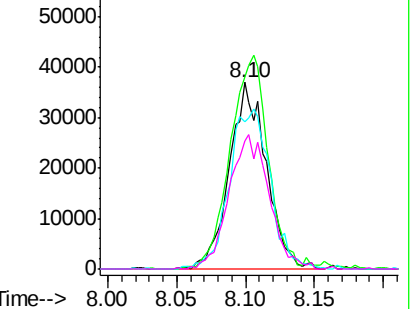
97 68.4 61.5 92.3

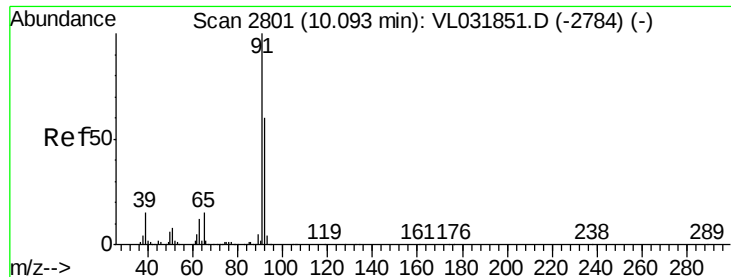
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#53

Toluene

Concen: 0.881 ppbv

RT: 10.10 min Scan# 2802

Delta R.T. 0.00 min

Lab File: VL031868.D

Acq: 12 Apr 2018 16:46

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218DL

Tot Ion: 91 Resp: 232038

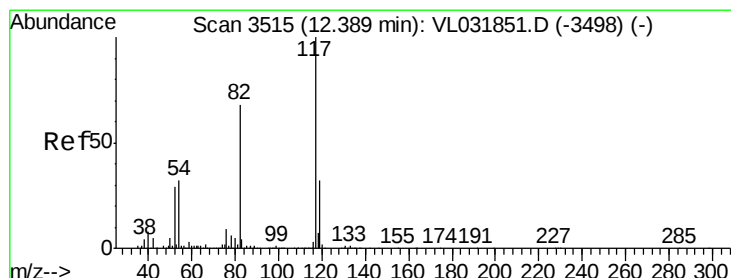
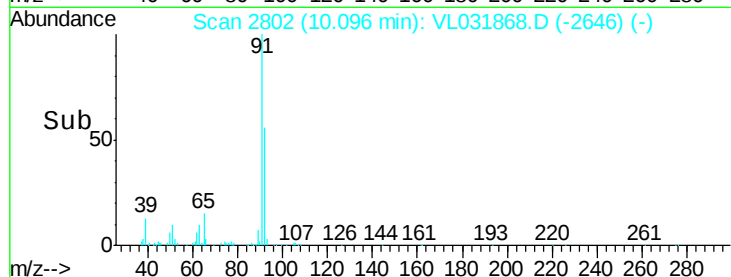
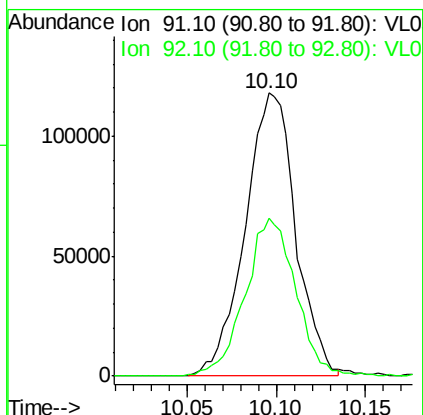
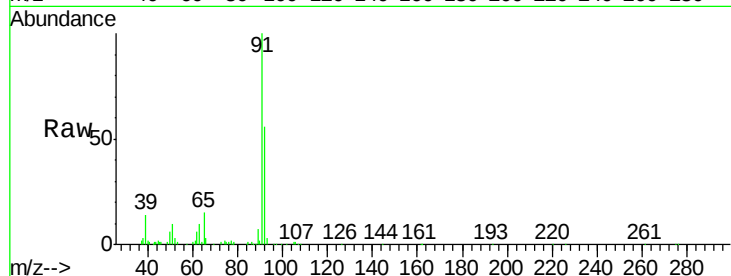
Ion Ratio Lower Upper

91 100

92 56.5 47.4 71.2

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.39 min Scan# 3516

Delta R.T. -0.00 min

Lab File: VL031868.D

Acq: 12 Apr 2018 16:46

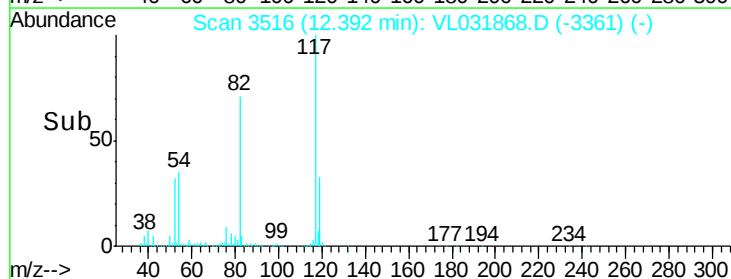
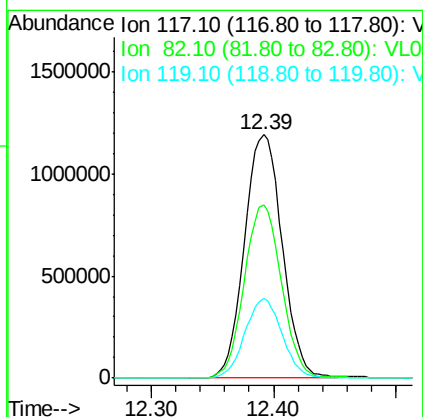
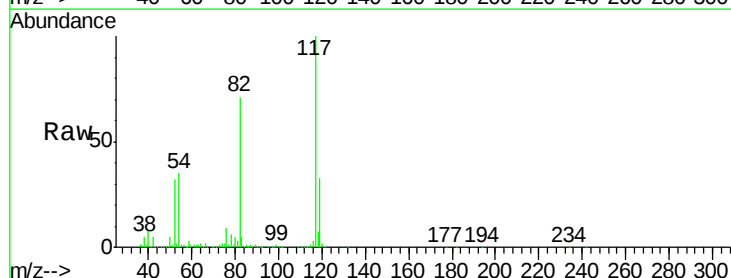
Tgt Ion: 117 Resp: 2548166

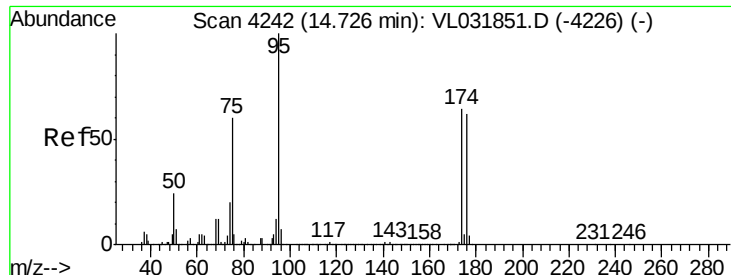
Ion Ratio Lower Upper

117 100

82 70.5 54.6 81.8

119 32.3 26.0 39.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.999 ppbv
 RT: 14.73 min Scan# 4243
 Delta R.T. -0.00 min
 Lab File: VL031868.D
 Acq: 12 Apr 2018 16:46

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218DL

Tot Ion: 95 Resp: 2048740
 Ion Ratio Lower Upper
 95 100
 174 65.4 52.3 78.5
 175 4.7 3.9 5.9

Manual Integrations
 APPROVED

MMDadoda
 4/15/2018 3:07:28 PM

