

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031864.D
 Acq On : 12 Apr 2018 12:59
 Operator : SY/AP
 Sample : J2191-07DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-040218DL

Manual Integrations
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 4/15/2018 3:06:48 PM

Quant Time: Apr 14 02:04:38 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	1236870	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2525624	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2471394	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	1988055	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	143513	0.563	ppbv	96
9) Propene	3.13	41	43989m	0.884	ppbv	
11) Trichlorofluoromethane	4.11	101	123588	0.494	ppbv	87
13) Ethanol	3.75	45	285508	16.913	ppbv	96
15) Acetone	4.02	43	90614m	0.476	ppbv	
20) Methylene Chloride	4.52	84	99240	1.431	ppbv	87
24) 1,1-Dichloroethane	5.21	63	96714	0.503	ppbv	99
31) cis-1,2-Dichloroethene	5.77	61	39910m	0.318	ppbv	
32) 1,1,1-Trichloroethane	6.76	97	199873	0.875	ppbv	99
38) Trichloroethene	8.10	130	327992	3.557	ppbv	97

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

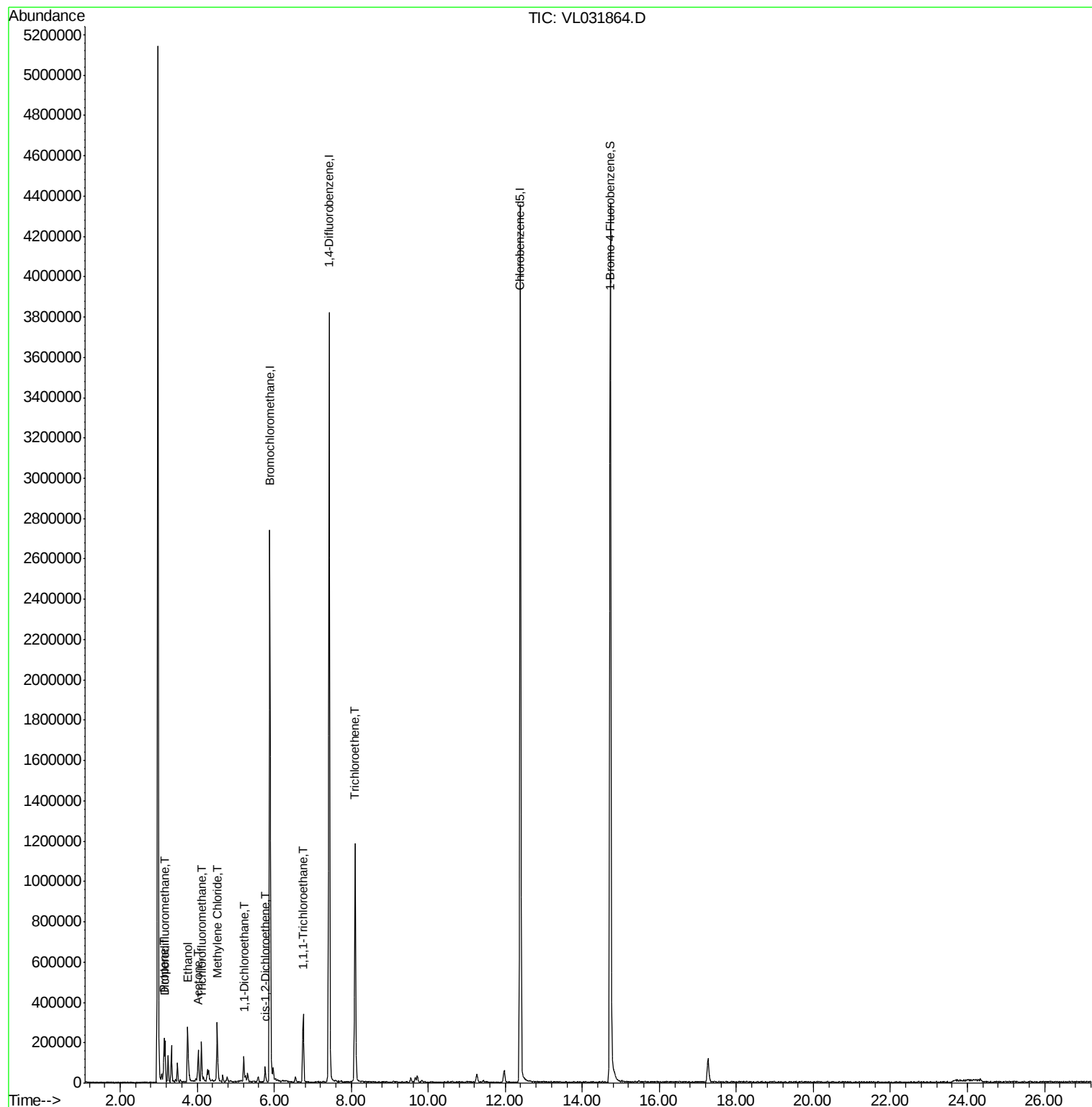
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
Data File : VL031864.D
Acq On : 12 Apr 2018 12:59
Operator : SY/AP
Sample : J2191-07DL 4X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

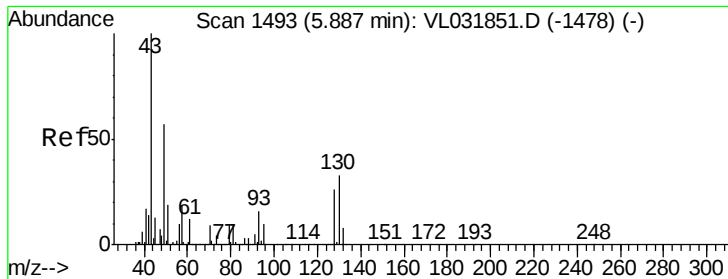
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DL

Manual Integrations
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Quant Time: Apr 14 02:04:38 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: VL031864.D

Acq: 12 Apr 2018 12:59

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-040218DL

Tot Ion: 49 Resp: 1236870

Ion Ratio Lower Upper

49 100

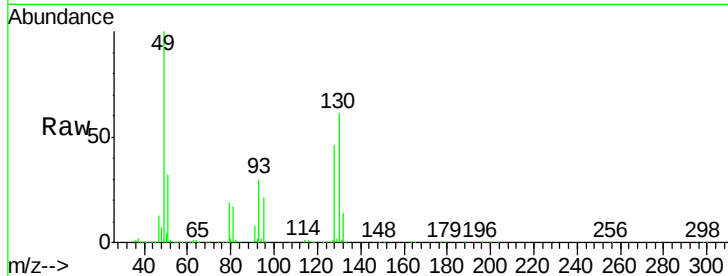
128 48.2 23.9 71.7

130 61.6 30.9 92.7

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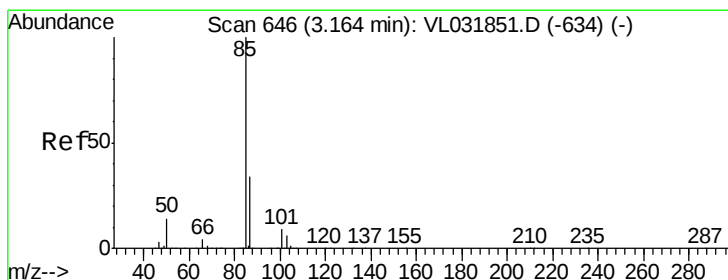
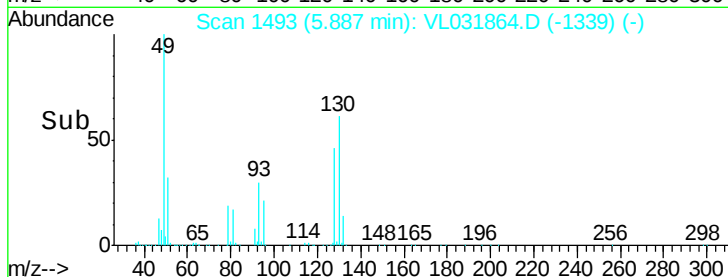
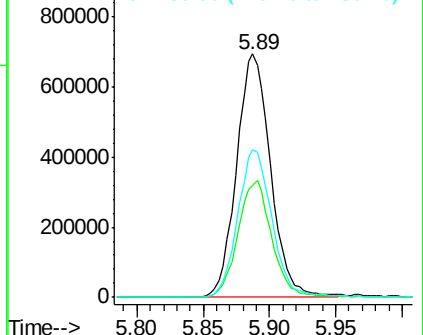
4/15/2018 3:06:48 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.563 ppbv

RT: 3.16 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL031864.D

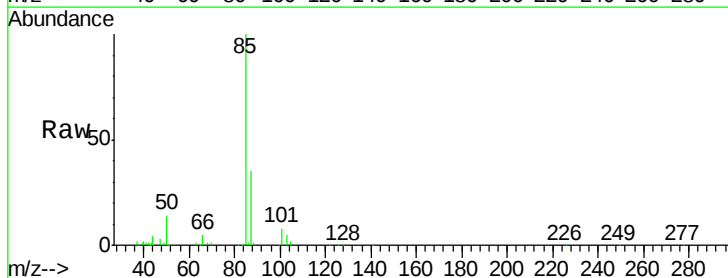
Acq: 12 Apr 2018 12:59

Tgt Ion: 85 Resp: 143513

Ion Ratio Lower Upper

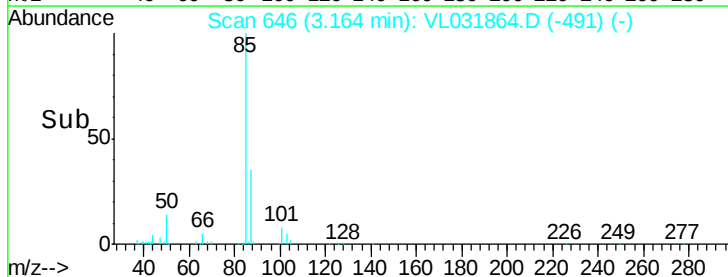
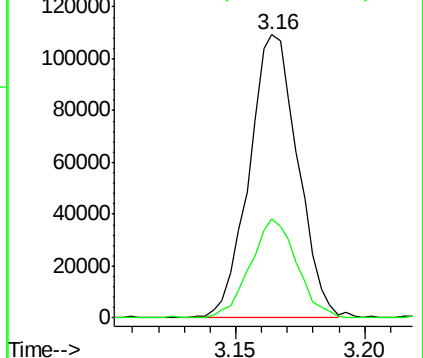
85 100

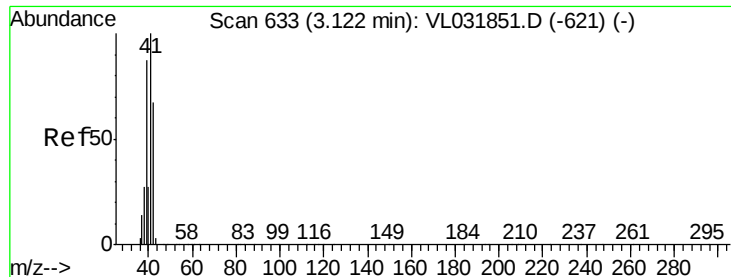
87 34.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.884 ppbv m

RT: 3.13 min Scan# 637

Delta R.T. 0.01 min

Lab File: VL031864.D

Acq: 12 Apr 2018 12:59

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-040218DL

Tot Ion: 41 Resp: 43989

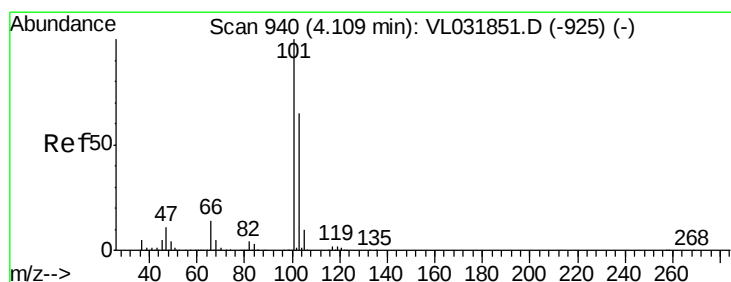
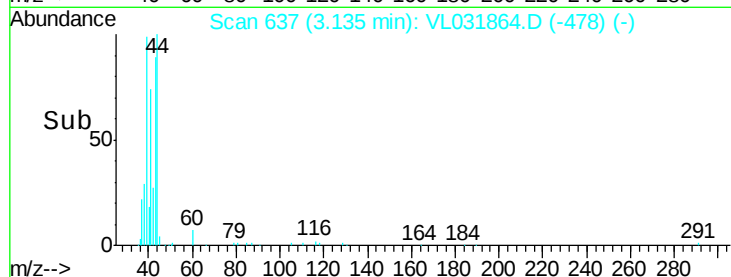
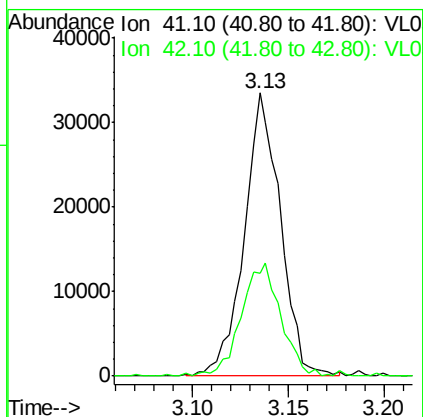
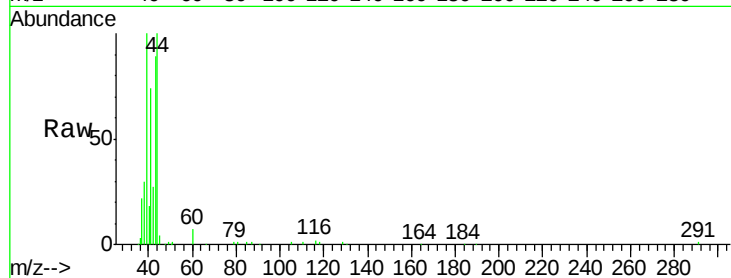
Ion Ratio Lower Upper

41 100

42 66.9 55.0 82.4

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#11

Trichlorofluoromethane

Concen: 0.494 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.00 min

Lab File: VL031864.D

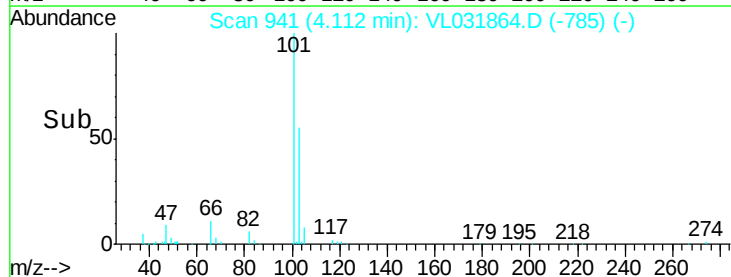
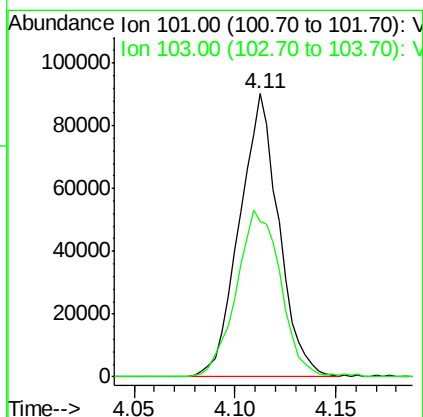
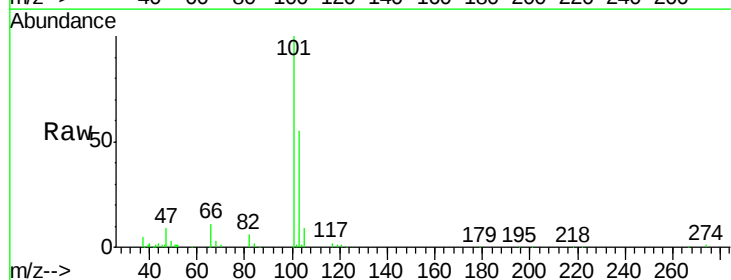
Acq: 12 Apr 2018 12:59

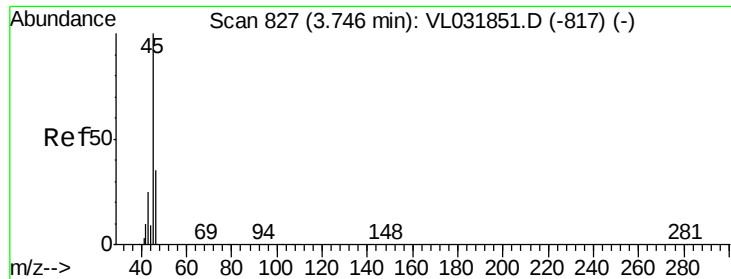
Tgt Ion: 101 Resp: 123588

Ion Ratio Lower Upper

101 100

103 54.7 51.8 77.8





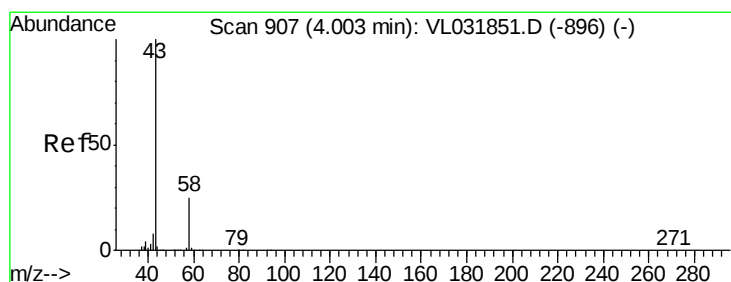
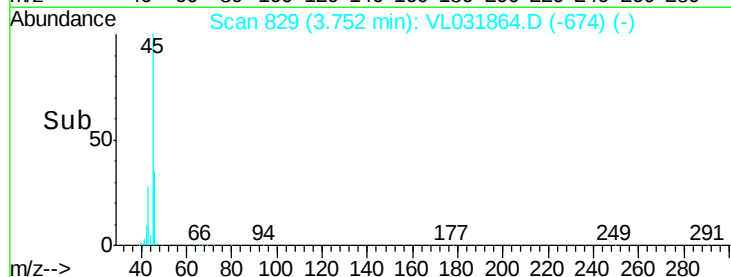
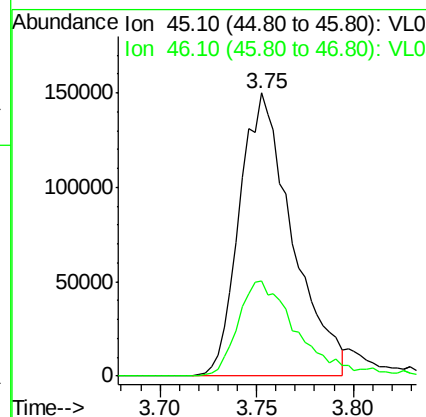
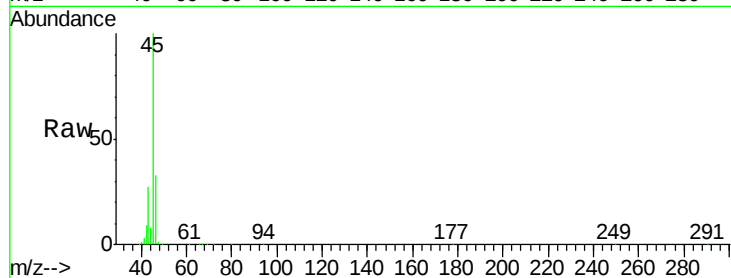
#13
Ethanol
Concen: 16.913 ppbv
RT: 3.75 min Scan# 829
Delta R.T. -0.00 min
Lab File: VL031864.D
Acq: 12 Apr 2018 12:59

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DL

Tot Ion	45	Resp	285508
Ion Ratio	100	Lower	Upper
46	39.2	14.6	58.6

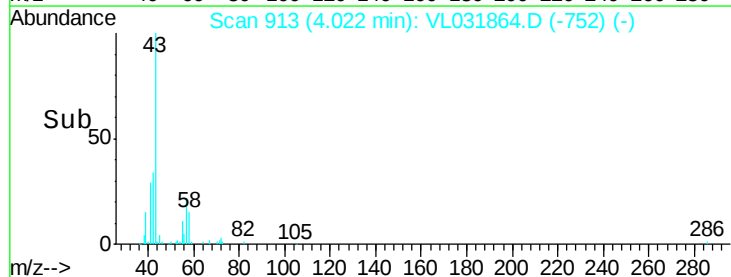
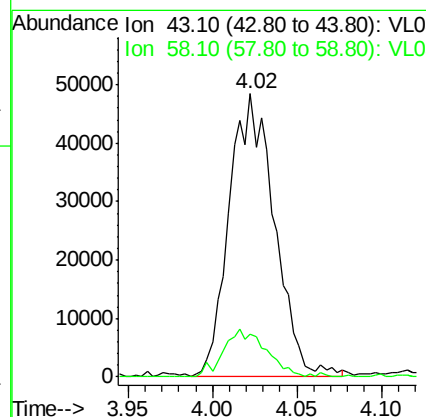
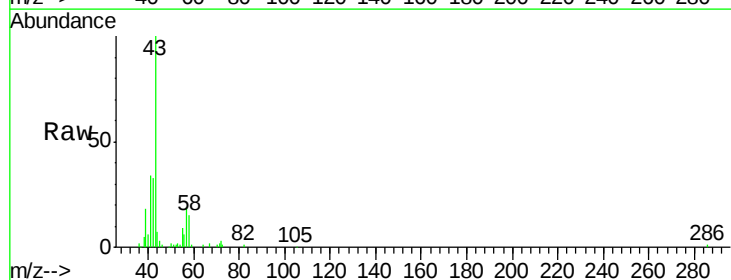
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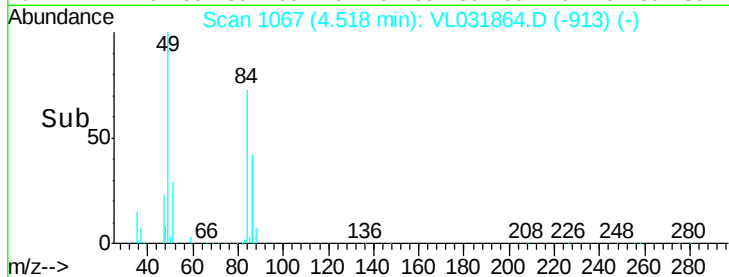
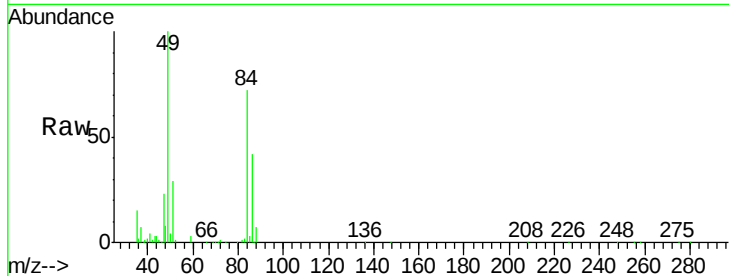
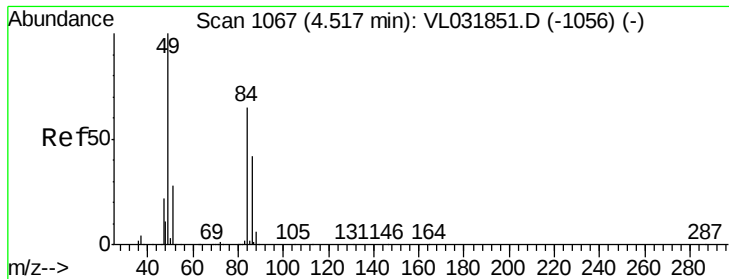
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#15
Acetone
Concen: 0.476 ppbv m
RT: 4.02 min Scan# 913
Delta R.T. 0.02 min
Lab File: VL031864.D
Acq: 12 Apr 2018 12:59

Tgt Ion	43	Resp	90614
Ion Ratio	100	Lower	Upper
58	16.1	20.9	31.3#





#20

Methylene Chloride

Concen: 1.431 ppbv

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VL031864.D

Acq: 12 Apr 2018 12:59

Tot Ion	84	Resp	99240
Ion	Ratio	Lower	Upper
84	100		
49	138.2	125.6	188.4
51	40.3	36.4	54.6
86	57.4	53.7	80.5

Instrument :

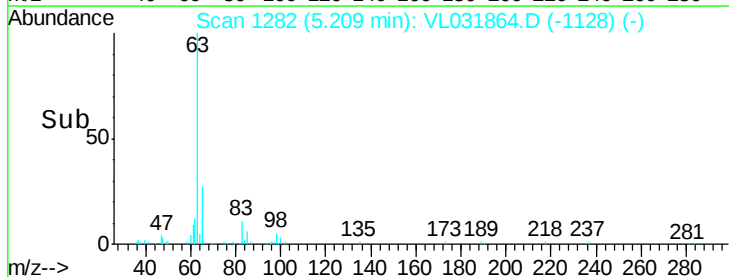
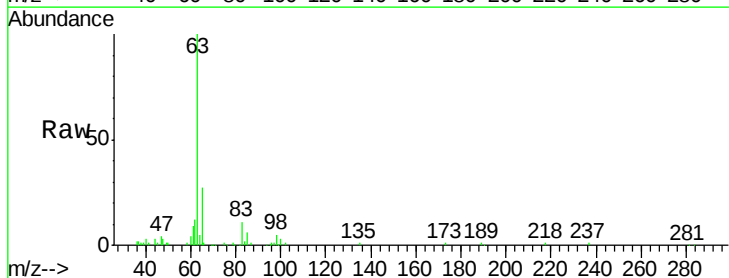
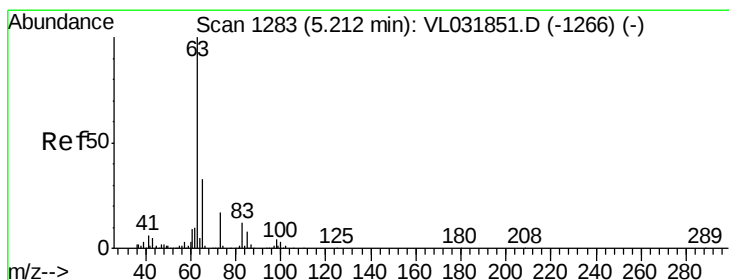
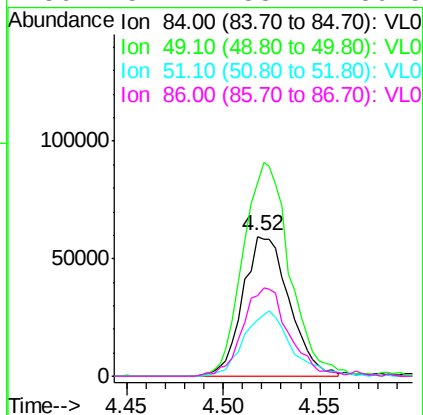
MSVOA_L

ClientSampleId :

GAC-EFF-040218DL

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 0.503 ppbv

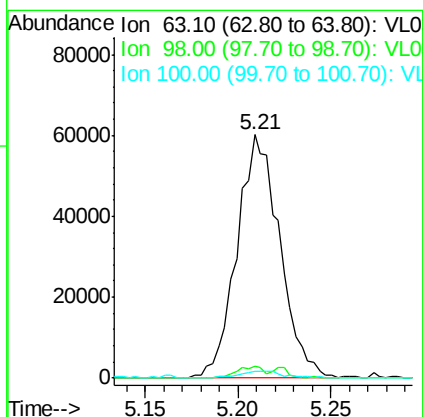
RT: 5.21 min Scan# 1282

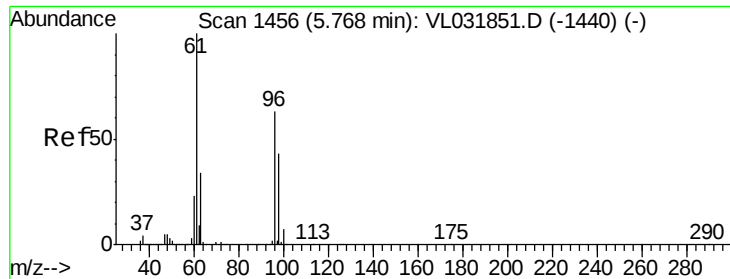
Delta R.T. -0.00 min

Lab File: VL031864.D

Acq: 12 Apr 2018 12:59

Tgt Ion	63	Resp	96714
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.4	7.2
100	2.9	1.5	4.4





#31

cis-1,2-Dichloroethene

Concen: 0.318 ppbv m

RT: 5.77 min Scan# 1455

Delta R.T. -0.00 min

Lab File: VL031864.D

Acq: 12 Apr 2018 12:59

Instrument :

MSVOA_L

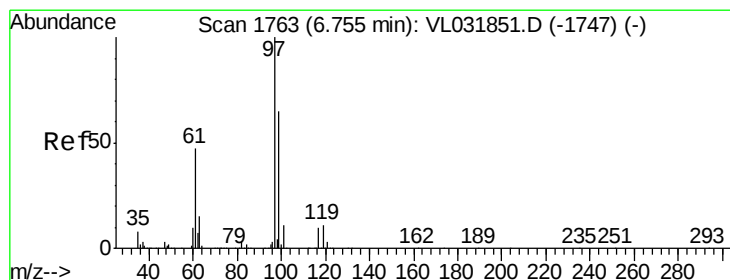
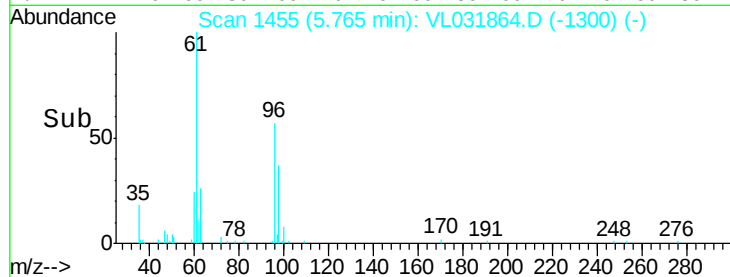
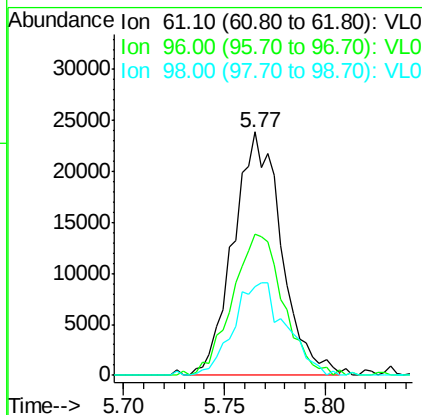
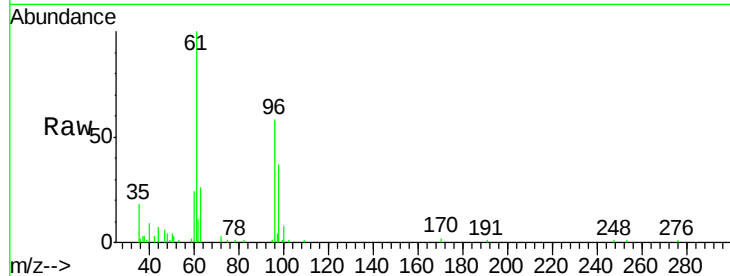
ClientSampleId :

GAC-EFF-040218DL

Tot Ion:	61	Resp:	39910
Ion	Ratio	Lower	Upper
61	100		
96	58.1	47.6	71.4
98	36.6	30.3	45.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.875 ppbv

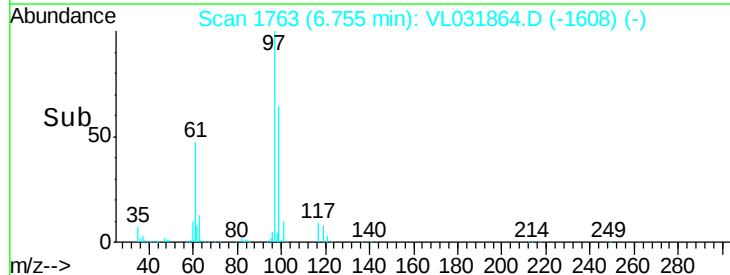
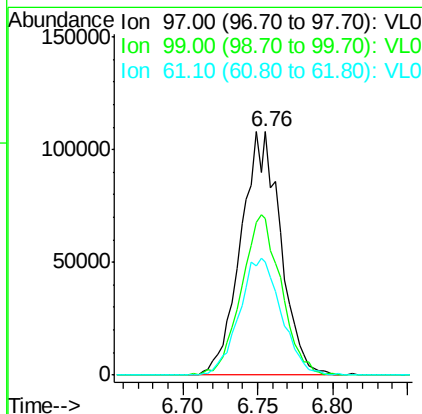
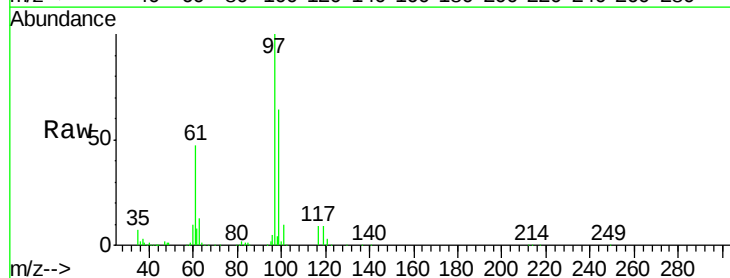
RT: 6.76 min Scan# 1763

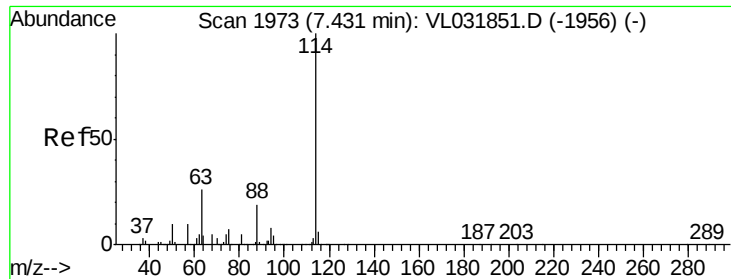
Delta R.T. -0.00 min

Lab File: VL031864.D

Acq: 12 Apr 2018 12:59

Tgt Ion:	97	Resp:	199873
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.5	77.3
61	50.7	40.0	60.0





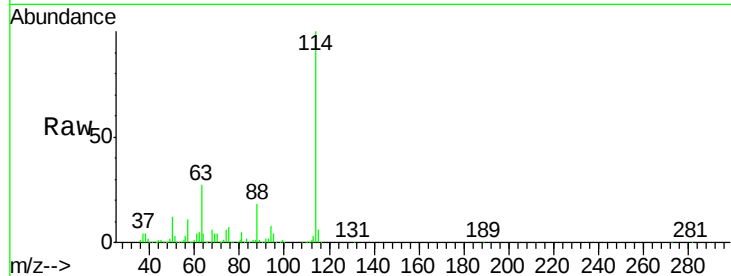
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VL031864.D
 Acq: 12 Apr 2018 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-040218DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.8	32.6
88	18.7	14.6	22.0

Manual Integrations
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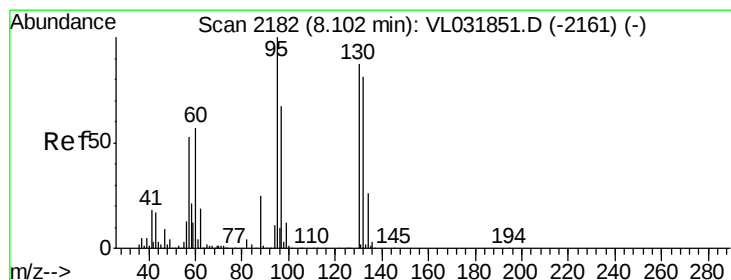
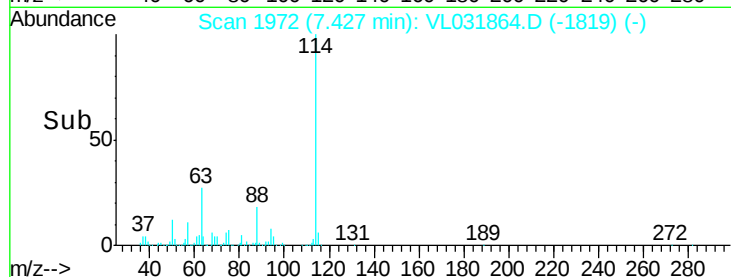
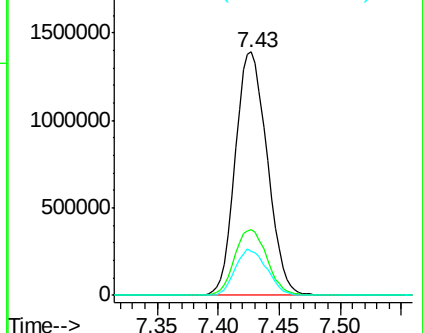
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38
 Trichloroethene
 Concen: 3.557 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL031864.D
 Acq: 12 Apr 2018 12:59

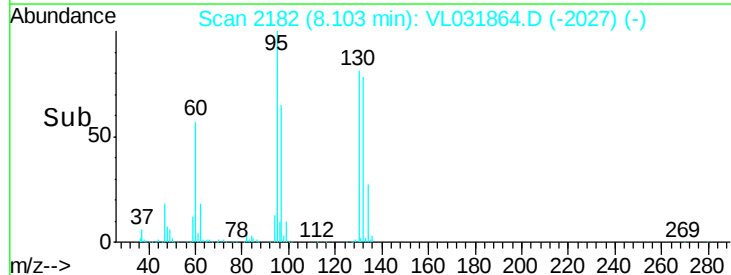
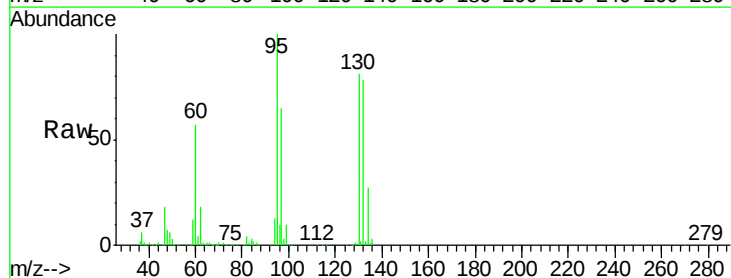
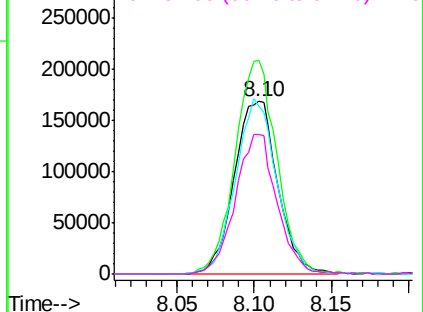
Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.7	96.6	144.8
132	96.4	79.1	118.7
97	80.9	61.5	92.3

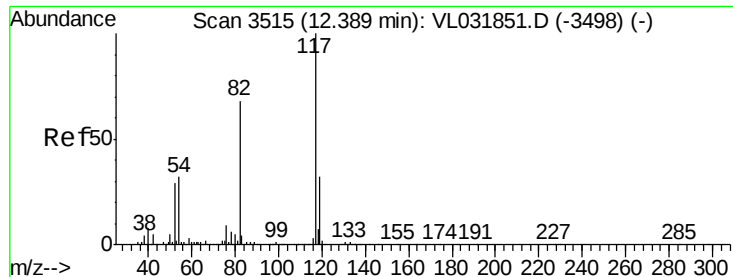
Abundance Ion 130.00 (129.70 to 130.70): V

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





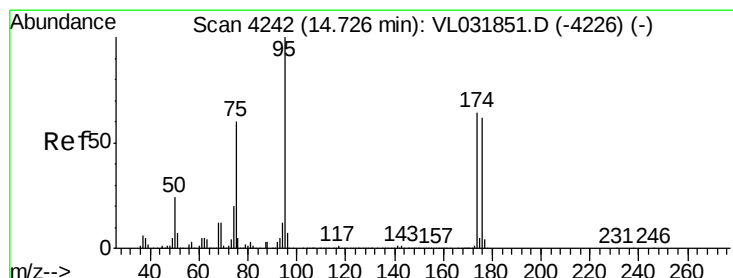
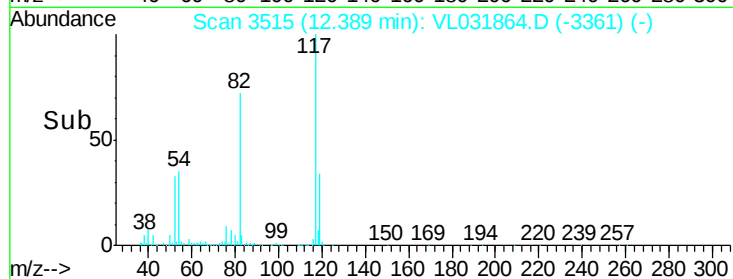
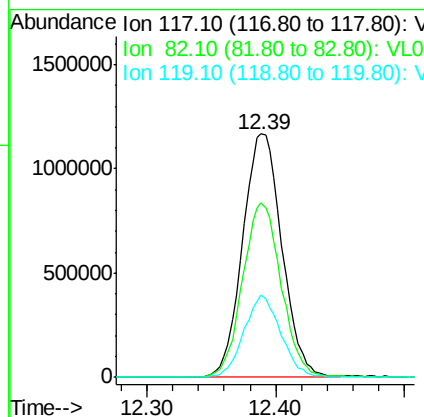
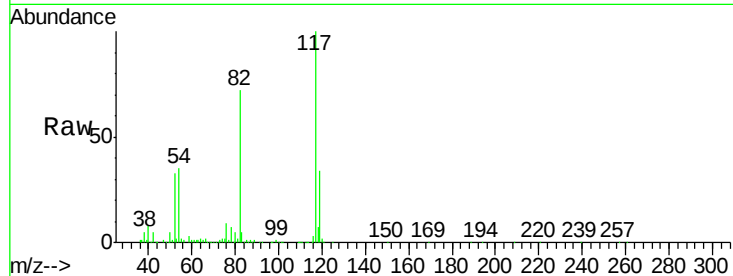
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031864.D
Acq: 12 Apr 2018 12:59

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-040218DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	71.0	54.6	81.8
119	32.0	26.0	39.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.004 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. -0.00 min
Lab File: VL031864.D
Acq: 12 Apr 2018 12:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.5	52.3	78.5
175	4.7	3.9	5.9

