

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032030.D
 Acq On : 1 Jun 2018 20:55
 Operator : SY/AP
 Sample : J3137-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 3:35:47 PM

Quant Time: Jun 02 02:28:49 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1109441	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2232053	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.37	117	2266406	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1780184	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.99	43	252852	1.89	ppbv	97
19) Isopropyl Alcohol	4.13	45	19647	0.22	ppbv #	95
20) Methylene Chloride	4.50	84	23152	0.38	ppbv #	84
29) Chloroform	5.95	83	21782	0.10	ppbv	97
35) Carbon Tetrachloride	7.25	117	39431m	0.21	ppbv	
53) Toluene	10.07	91	25282	0.12	ppbv	97

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

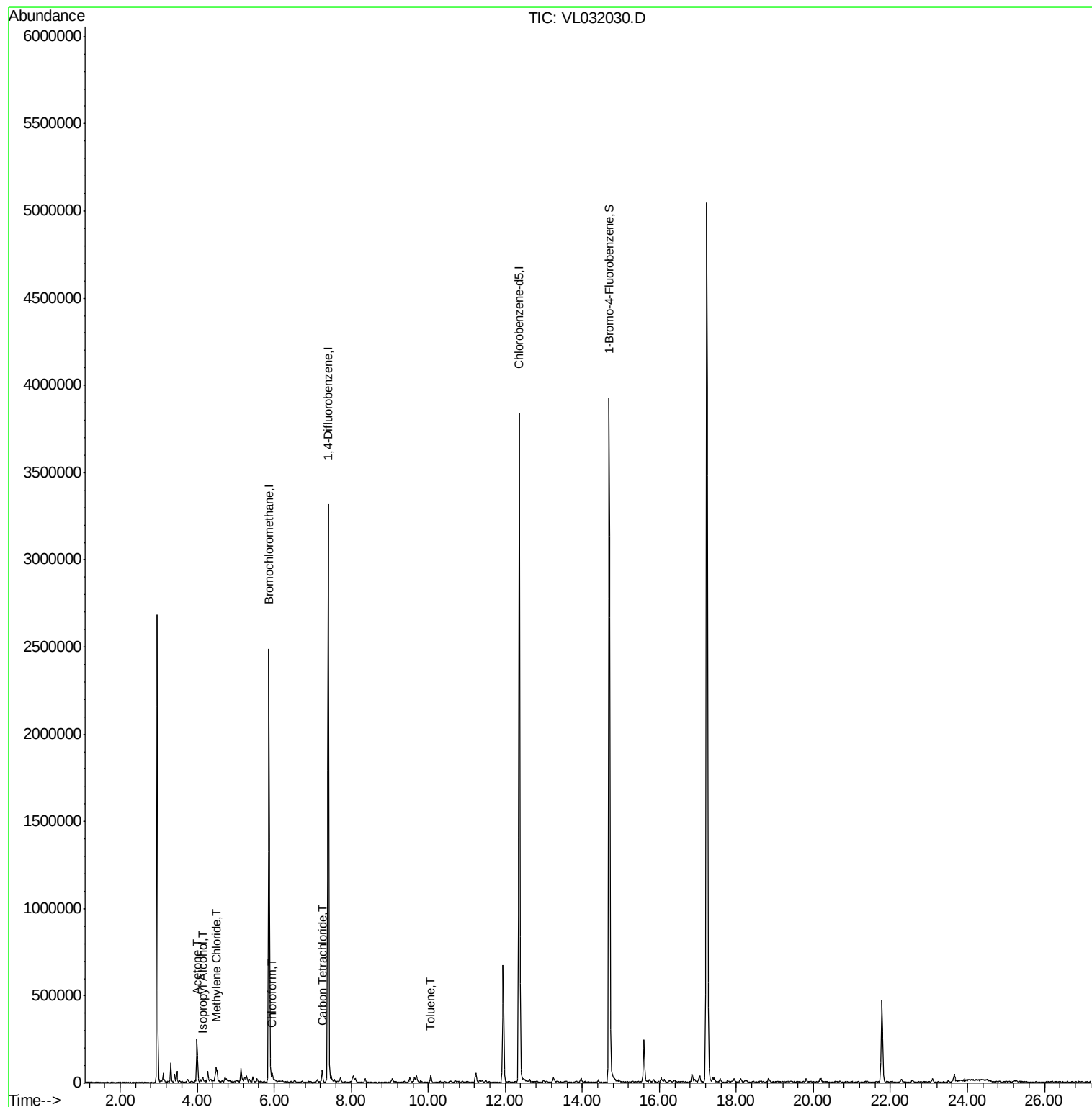
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
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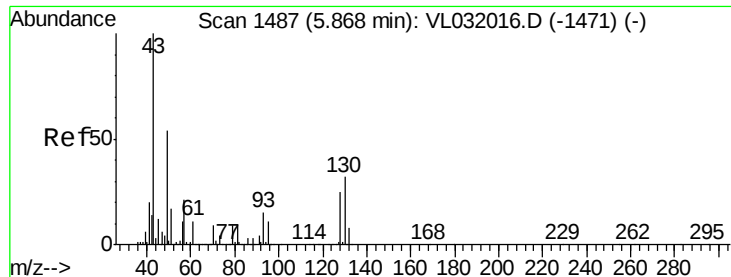
Instrument :
MSVOA_L
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SS-1

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#1

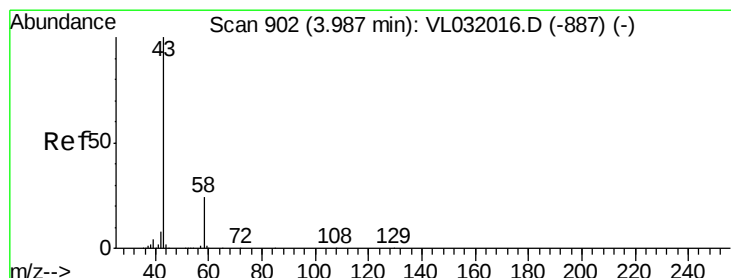
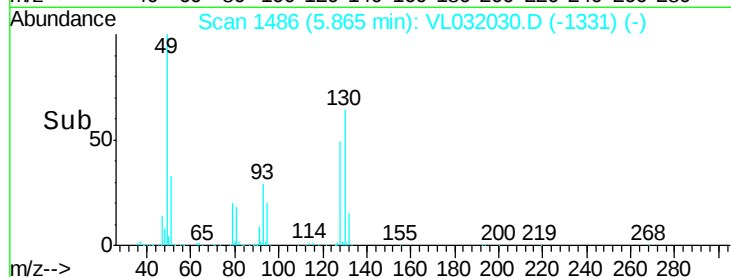
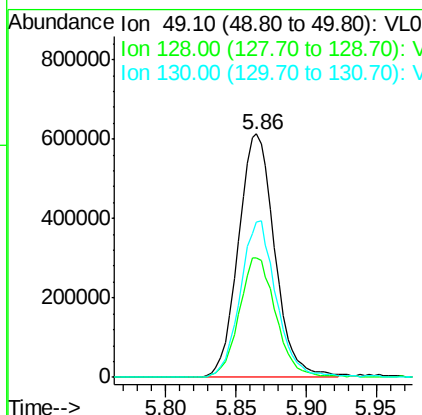
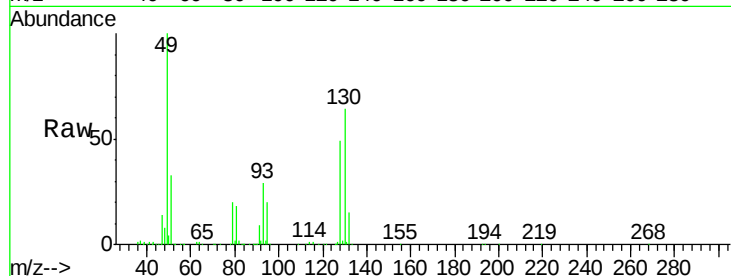
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.86 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VL032030.D
 Acq: 1 Jun 2018 20:55

Instrument :
 MSVOA_L
 ClientSampled :
 SS-1

Tot Ion: 49 Resp: 1109441
 Ion Ratio Lower Upper
 49 100
 128 50.0 24.1 72.3
 130 64.1 30.9 92.8

Manual Integrations
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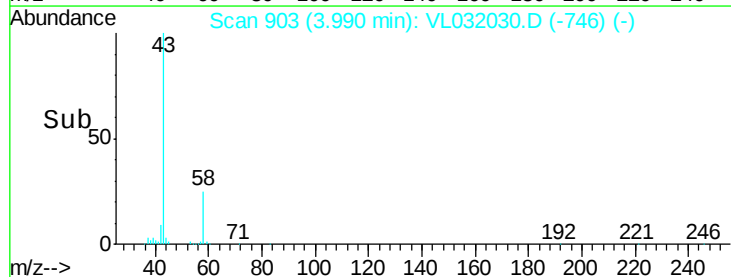
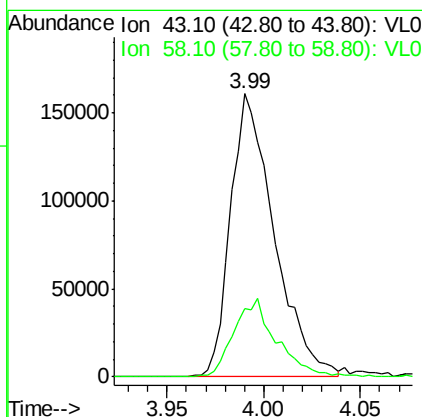
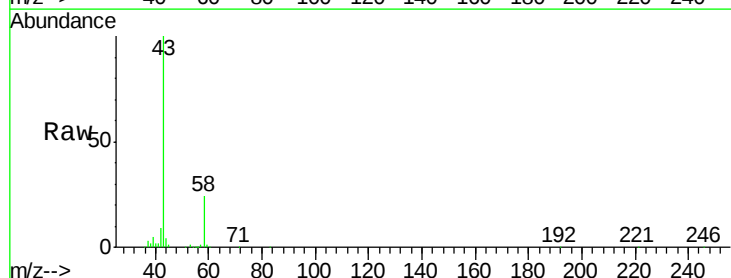
MMDadoda
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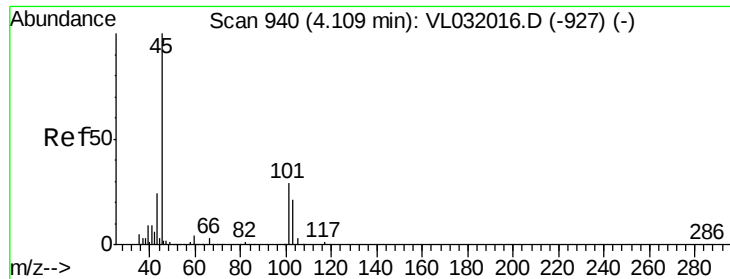


#15

Acetone
 Concen: 1.89 ppbv
 RT: 3.99 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VL032030.D
 Acq: 1 Jun 2018 20:55

Tgt Ion: 43 Resp: 252852
 Ion Ratio Lower Upper
 43 100
 58 27.5 20.7 31.1





#19

Isopropyl Alcohol

Concen: 0.22 ppbv

RT: 4.13 min Scan# 948

Delta R.T. 0.03 min

Lab File: VL032030.D

Acq: 1 Jun 2018 20:55

Instrument :

MSVOA_L

ClientSampled :

SS-1

Tot Ion: 45 Resp: 19647

Ion Ratio Lower Upper

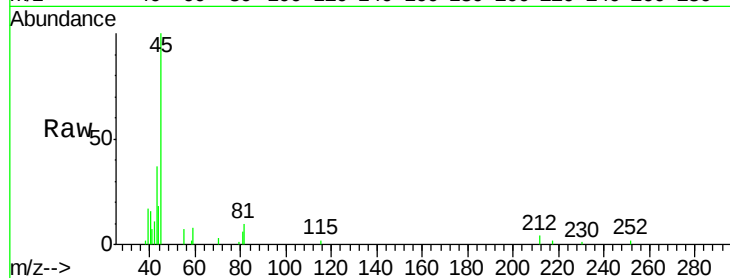
45 100

58 0.0 1.5 2.3#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

15000

10000

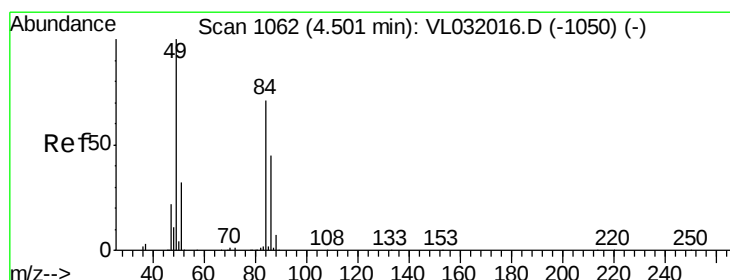
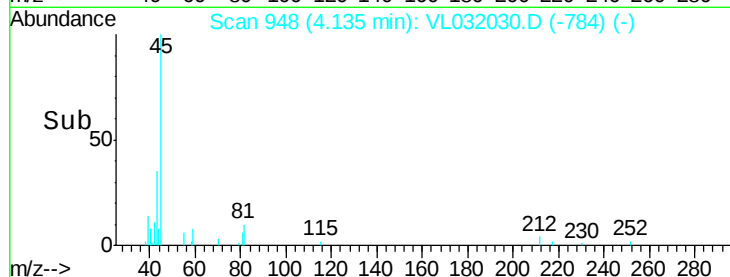
5000

0

Time-->

4.10 4.15

4.13



#20

Methylene Chloride

Concen: 0.38 ppbv

RT: 4.50 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VL032030.D

Acq: 1 Jun 2018 20:55

Tgt Ion: 84 Resp: 23152

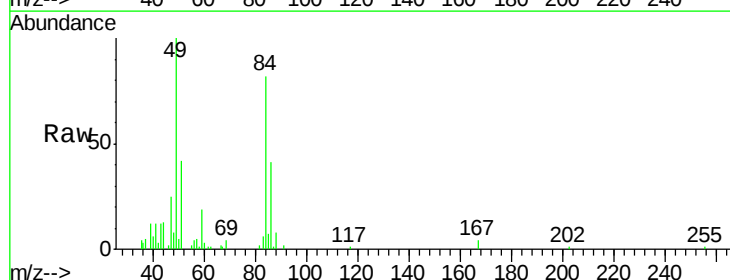
Ion Ratio Lower Upper

84 100

49 119.2 113.0 169.4

51 49.1 36.4 54.6

86 50.3 51.0 76.6#



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

25000

20000

15000

10000

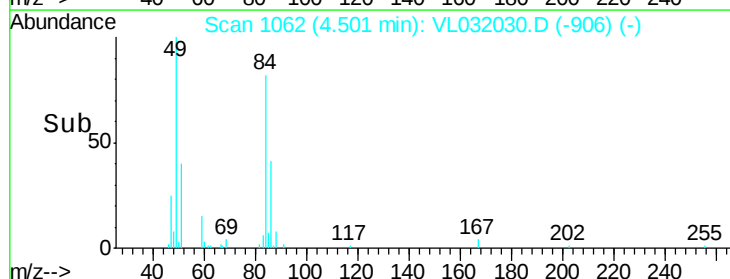
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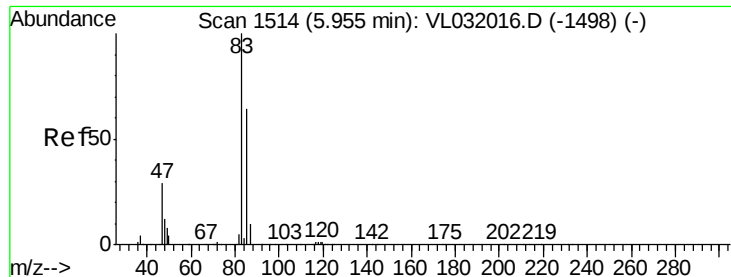
0

Time-->

4.45 4.50 4.55

4.50





#29

Chloroform

Concen: 0.10 ppbv

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VL032030.D

Acq: 1 Jun 2018 20:55

Instrument :

MSVOA_L

ClientSampleId :

SS-1

Tot Ion: 83 Resp: 21782

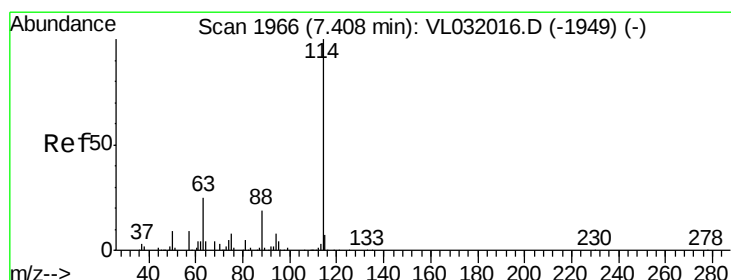
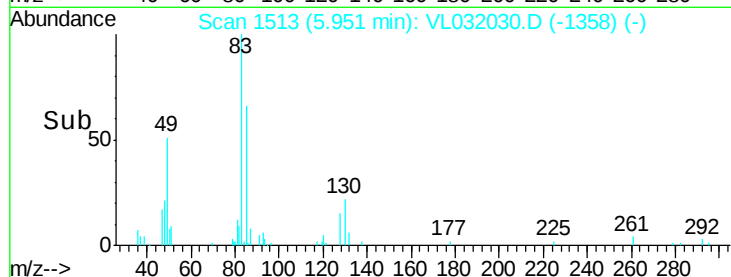
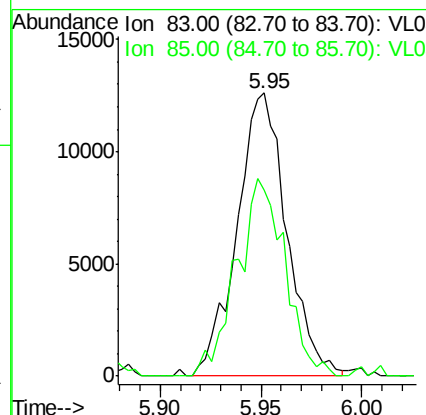
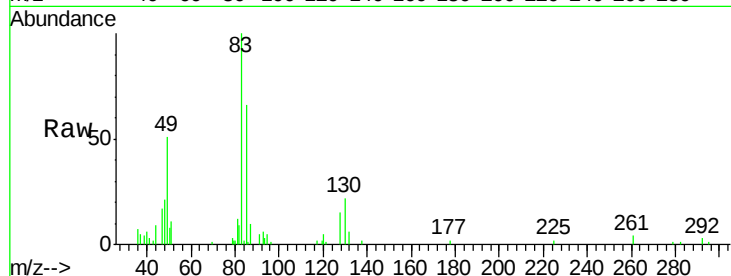
Ion Ratio Lower Upper

83 100

85 65.8 50.9 76.3

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#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.01 min

Lab File: VL032030.D

Acq: 1 Jun 2018 20:55

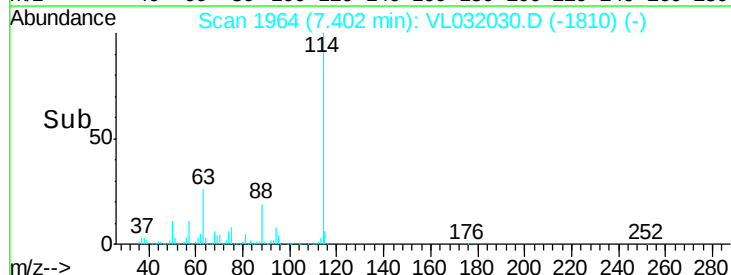
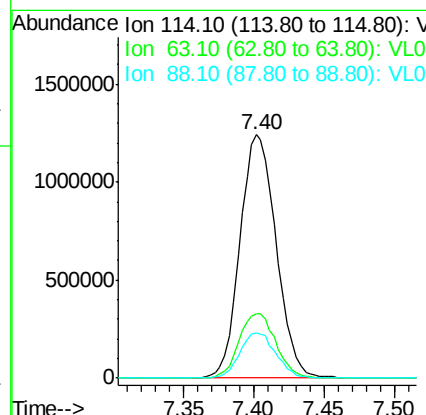
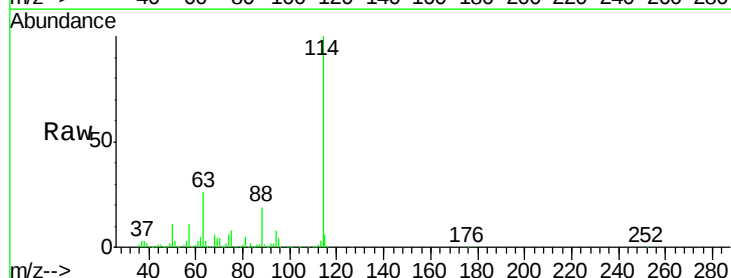
Tgt Ion: 114 Resp: 2232053

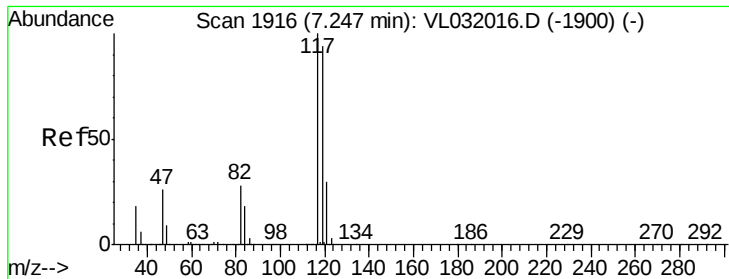
Ion Ratio Lower Upper

114 100

63 27.2 21.1 31.7

88 18.5 14.8 22.2





#35

Carbon Tetrachloride

Concen: 0.21 ppbv m

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VL032030.D

Acq: 1 Jun 2018 20:55

Instrument :

MSVOA_L

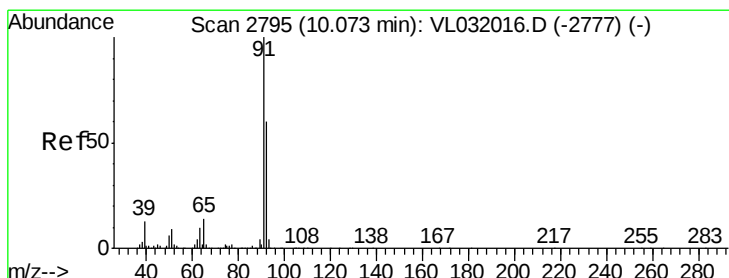
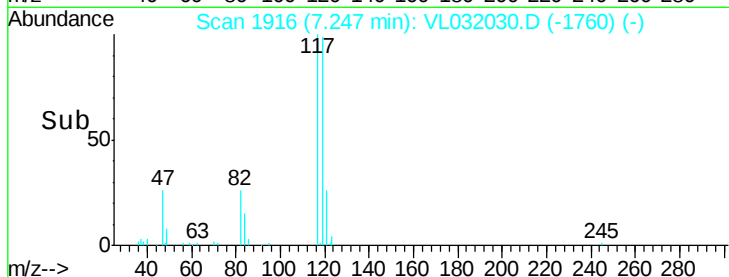
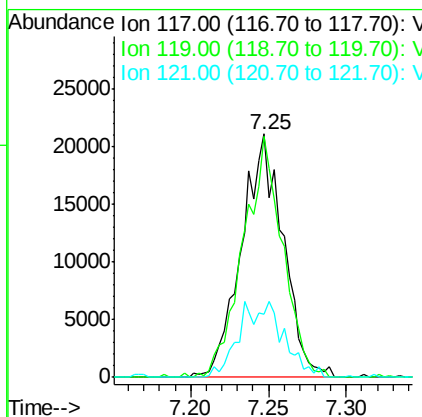
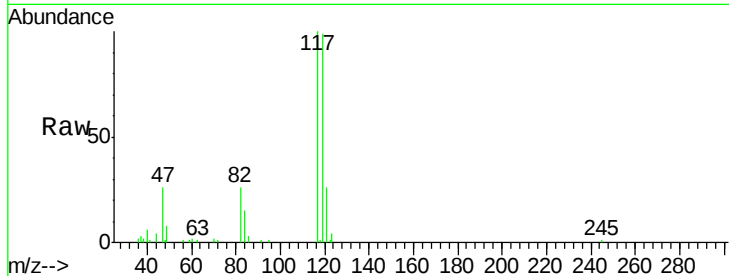
ClientSampleId :

SS-1

Tot Ion:	117	Resp:	39431
Ion Ratio	Lower	Upper	
117	100		
119	99.1	75.3	112.9
121	25.7	24.1	36.1

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#53

Toluene

Concen: 0.12 ppbv

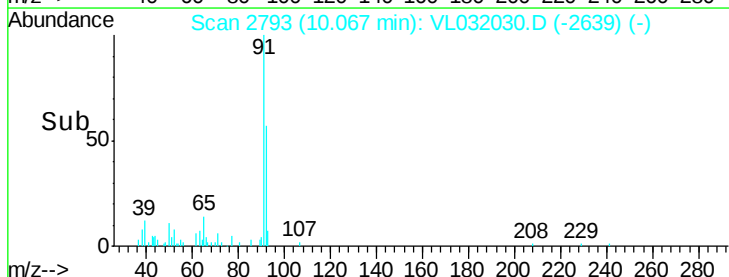
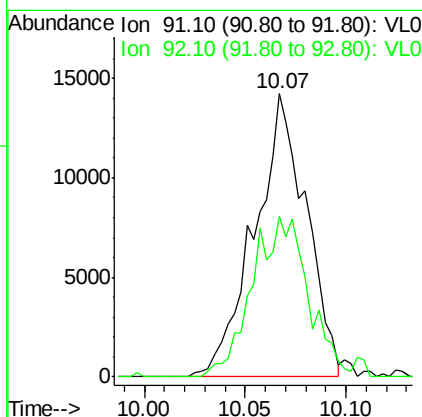
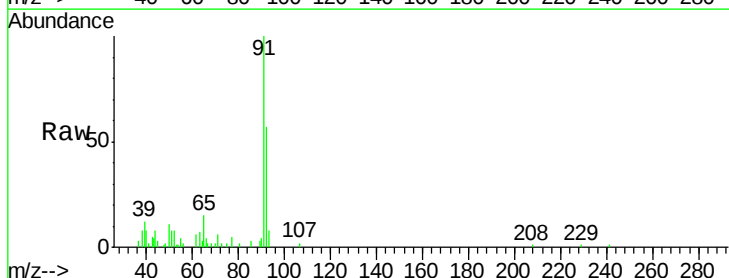
RT: 10.07 min Scan# 2793

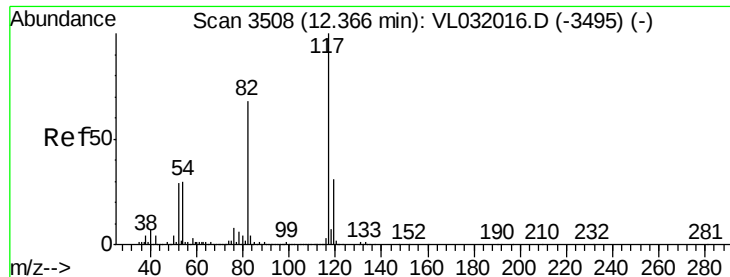
Delta R.T. -0.01 min

Lab File: VL032030.D

Acq: 1 Jun 2018 20:55

Tgt Ion:	91	Resp:	25282
Ion Ratio	Lower	Upper	
91	100		
92	62.8	48.2	72.2





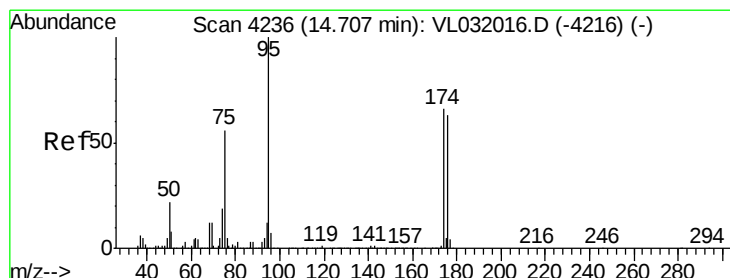
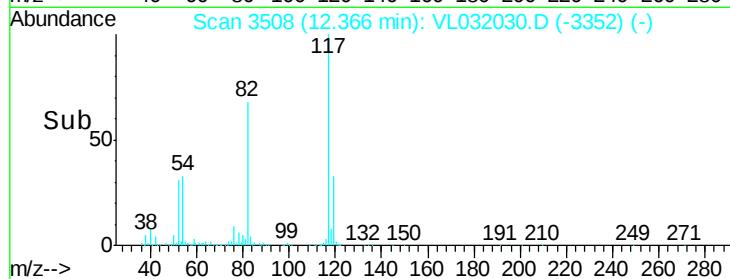
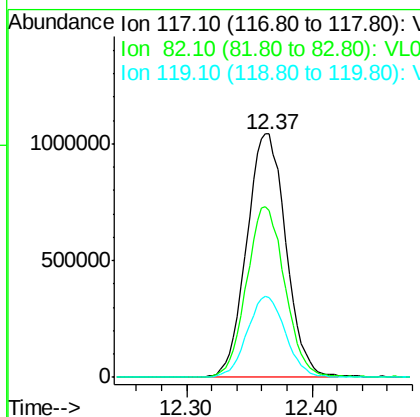
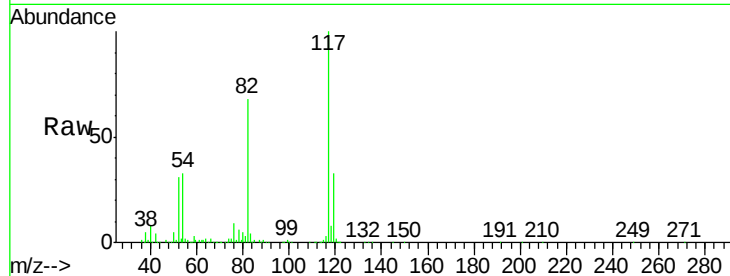
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.37 min Scan# 3508
Delta R.T. 0.00 min
Lab File: VL032030.D
Acq: 1 Jun 2018 20:55

Instrument :
MSVOA_L
ClientSampleId :
SS-1

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.0	52.7	79.1
119	32.6	25.5	38.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.17 ppbv
RT: 14.70 min Scan# 4233
Delta R.T. -0.01 min
Lab File: VL032030.D
Acq: 1 Jun 2018 20:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.8	53.2	79.8
175	4.8	3.7	5.5

