

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101818\
 Data File : VL032668.D
 Acq On : 19 Oct 2018 4:23
 Operator : SY/AP
 Sample : J5578-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Manual Integrations
 APPROVED

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Quant Time: Oct 19 08:04:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 08:04:19 2018
 QLast Update : Fri Oct 19 01:25:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1561109	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3761687	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3700674	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.59	95	2774615	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	37863	0.238	ppbv #	85
11) Trichlorofluoromethane	4.02	101	77210	0.372	ppbv	91
13) Ethanol	3.68	45	15616	1.087	ppbv	87
15) Acetone	3.93	43	67269	0.467	ppbv	99
20) Methylene Chloride	4.42	84	14995	0.205	ppbv #	92
53) Toluene	9.97	91	34237m	0.098	ppbv	

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

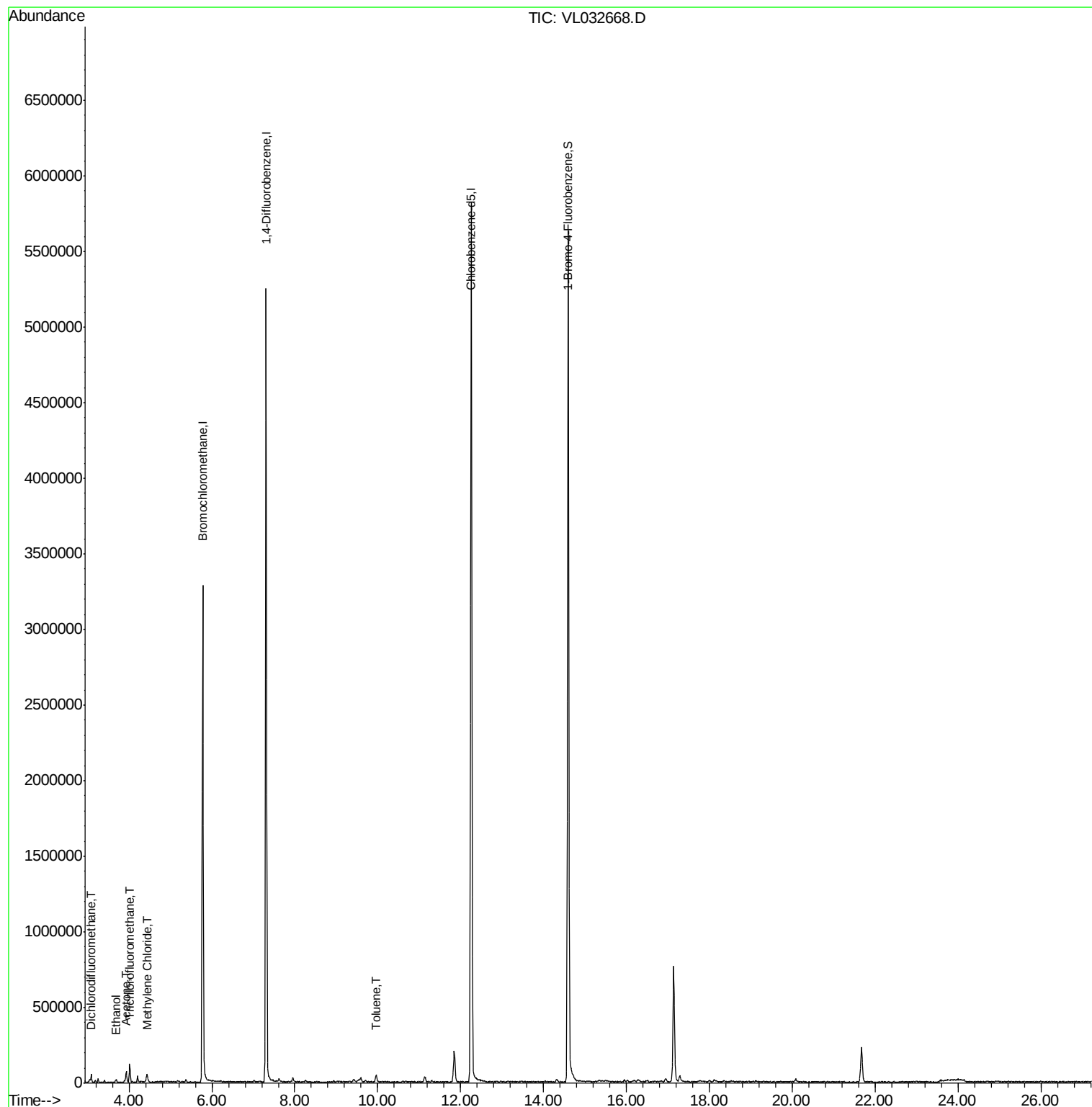
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101818\
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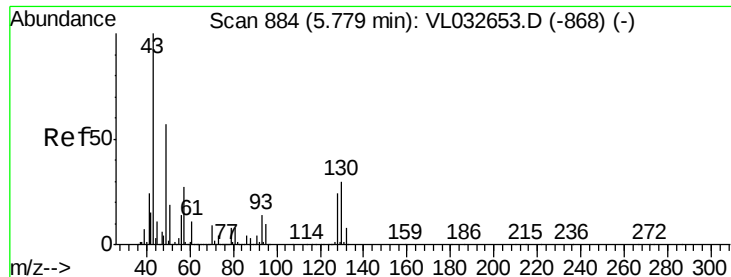
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032668.D

Acq: 19 Oct 2018 4:23

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

Tot Ion: 49 Resp: 1561109

Ion Ratio Lower Upper

49 100

128 48.4 22.3 66.8

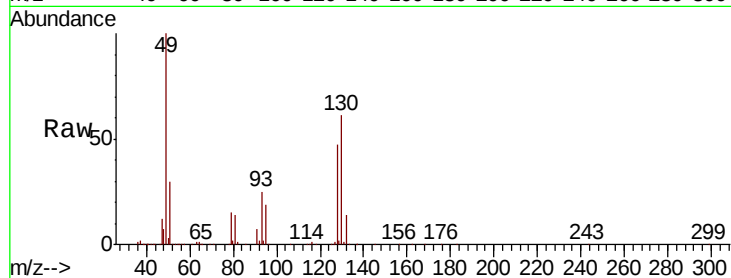
130 62.3 28.4 85.3

Manual Integrations

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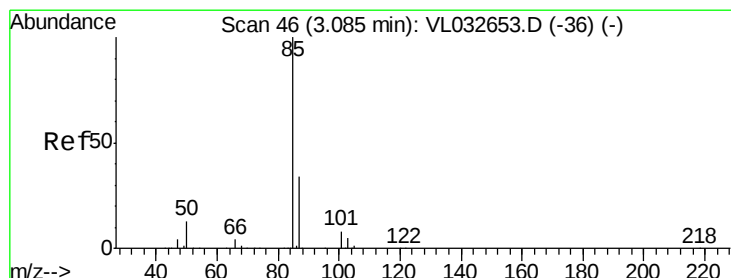
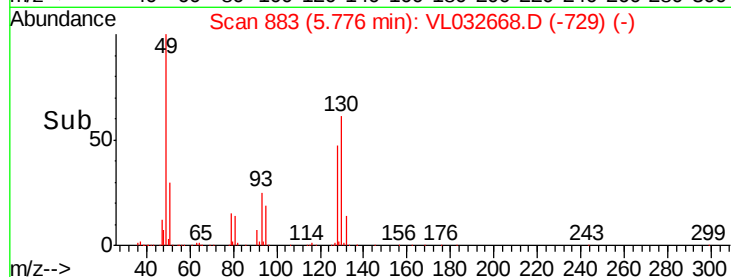
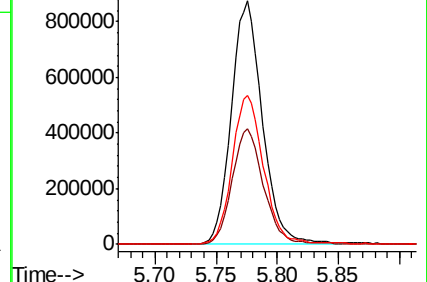
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.238 ppbv

RT: 3.09 min Scan# 48

Delta R.T. 0.01 min

Lab File: VL032668.D

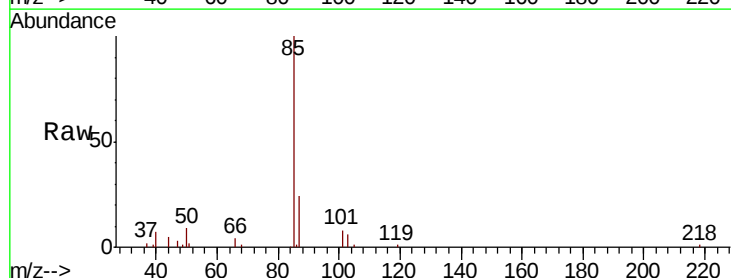
Acq: 19 Oct 2018 4:23

Tgt Ion: 85 Resp: 37863

Ion Ratio Lower Upper

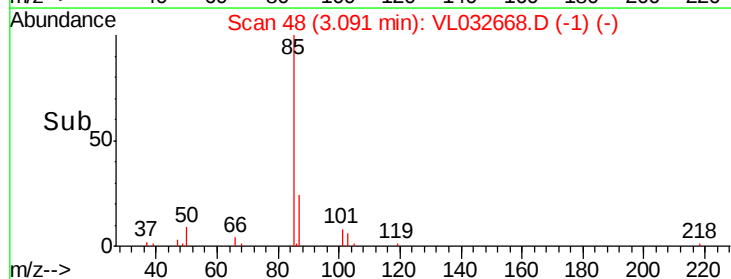
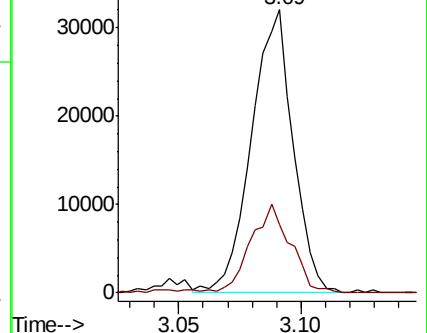
85 100

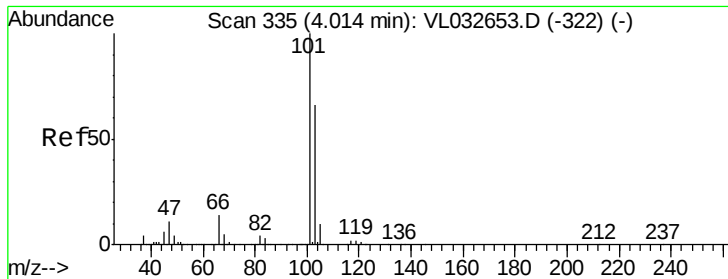
87 24.0 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





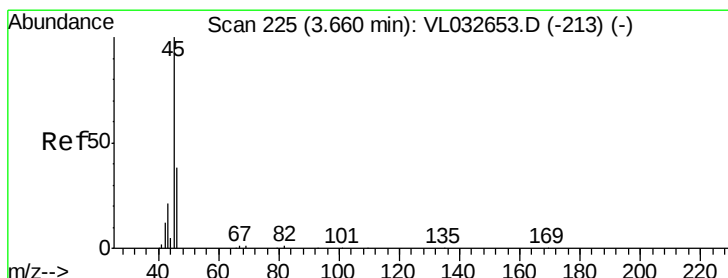
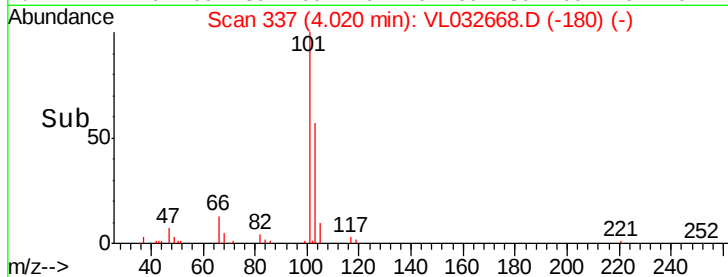
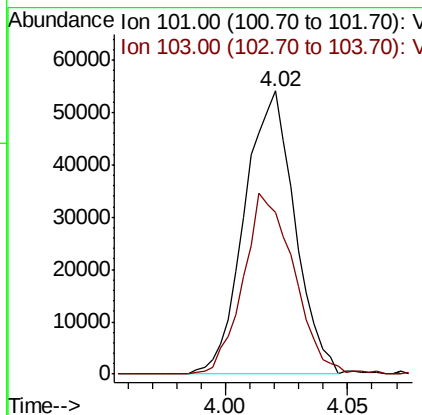
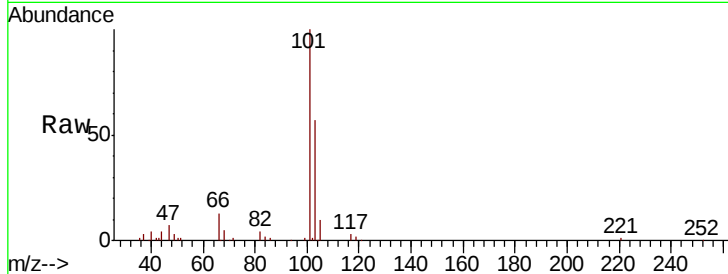
#11
 Trichlorofluoromethane
 Concen: 0.372 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VL032668.D
 Acq: 19 Oct 2018 4:23

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion: 101 Resp: 77210
 Ion Ratio Lower Upper
 101 100
 103 57.3 51.4 77.2

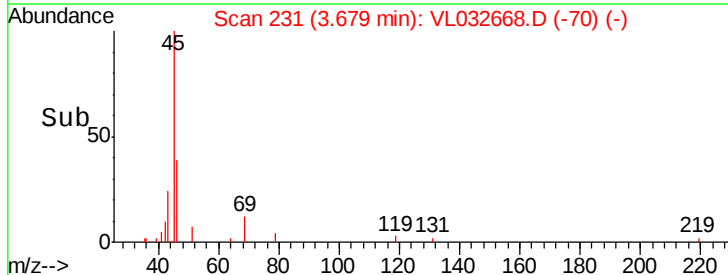
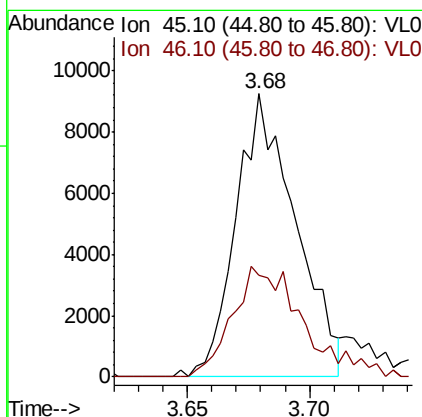
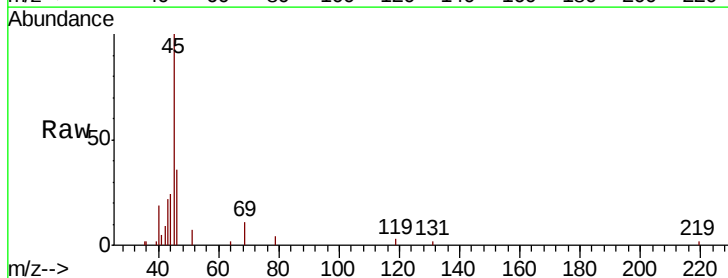
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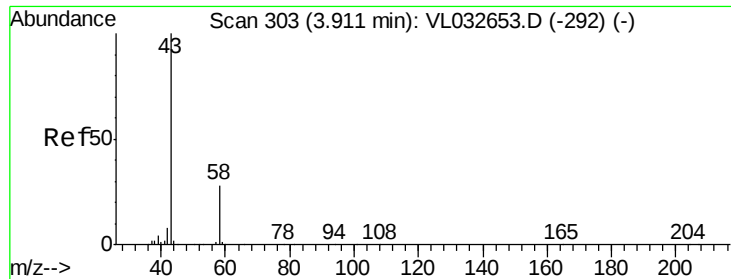
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#13
 Ethanol
 Concen: 1.087 ppbv
 RT: 3.68 min Scan# 231
 Delta R.T. 0.02 min
 Lab File: VL032668.D
 Acq: 19 Oct 2018 4:23

Tgt Ion: 45 Resp: 15616
 Ion Ratio Lower Upper
 45 100
 46 46.3 15.4 61.8





#15

Acetone

Concen: 0.467 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.02 min

Lab File: VL032668.D

Acq: 19 Oct 2018 4:23

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion: 43 Resp: 67269

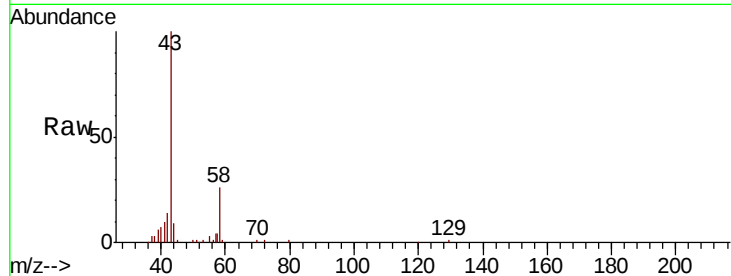
Ion Ratio Lower Upper

43 100

58 28.3 22.1 33.1

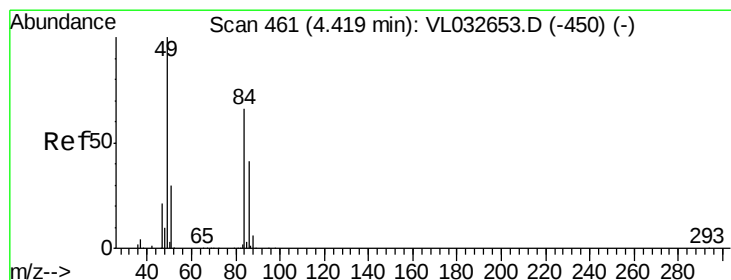
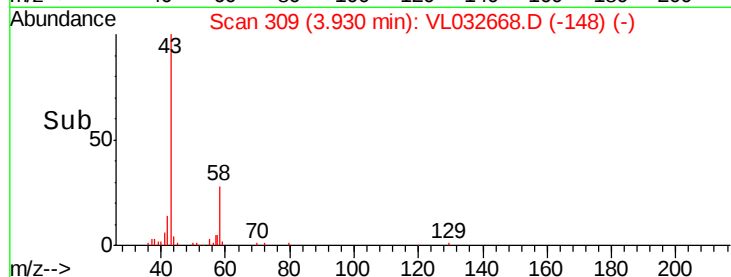
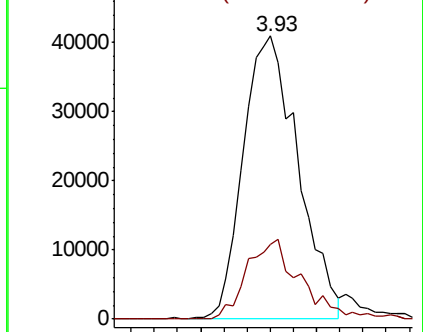
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.205 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032668.D

Acq: 19 Oct 2018 4:23

Tgt Ion: 84 Resp: 14995

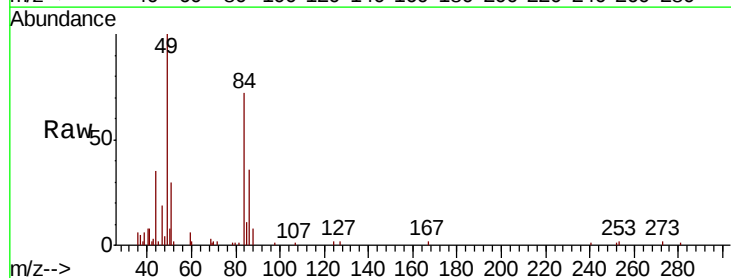
Ion Ratio Lower Upper

84 100

49 134.3 113.5 170.3

51 41.5 34.8 52.2

86 47.4 47.9 71.9#

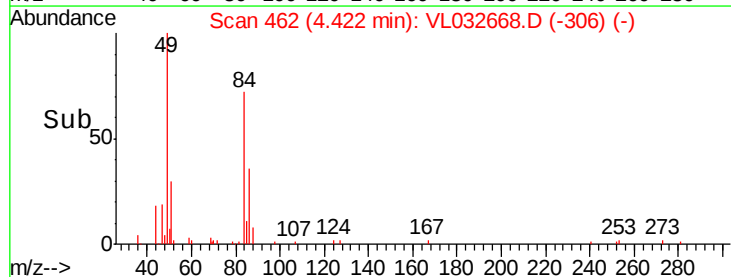
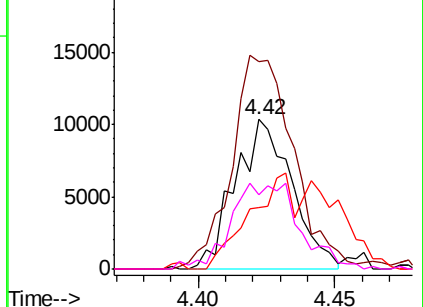


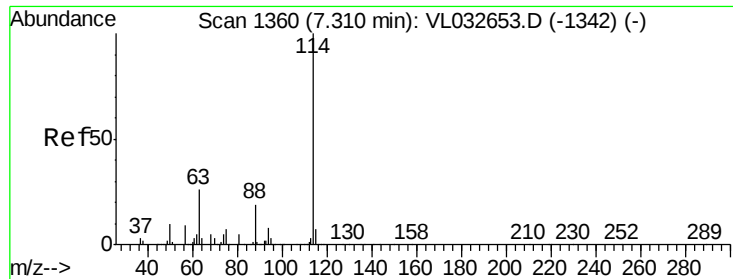
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





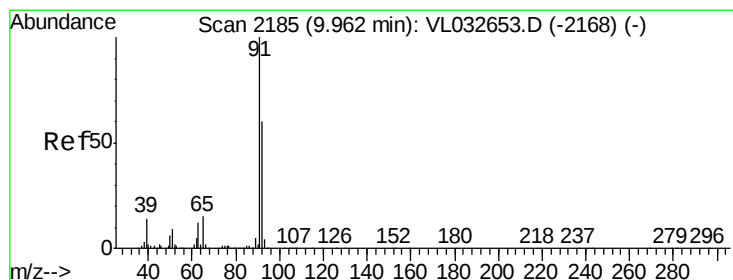
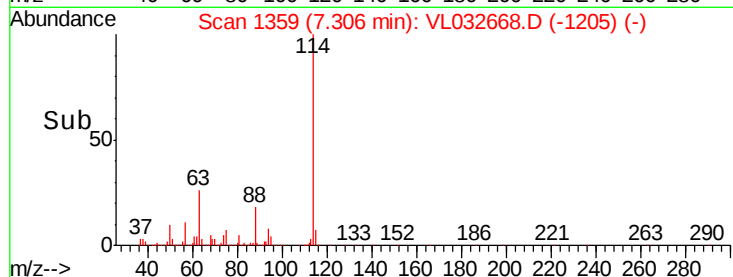
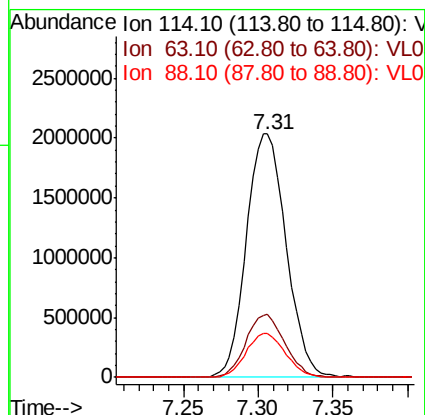
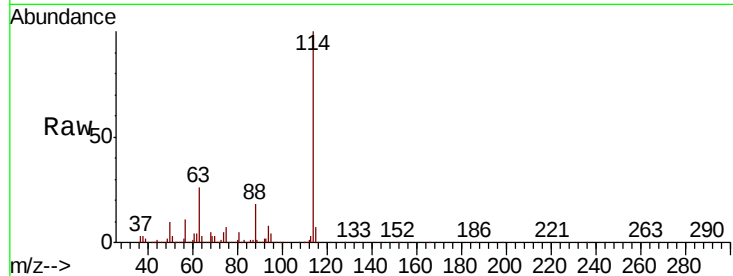
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL032668.D
 Acq: 19 Oct 2018 4:23

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.5	21.7	32.5
88	17.9	14.9	22.3

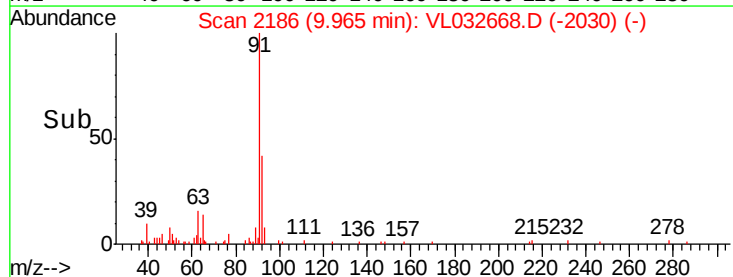
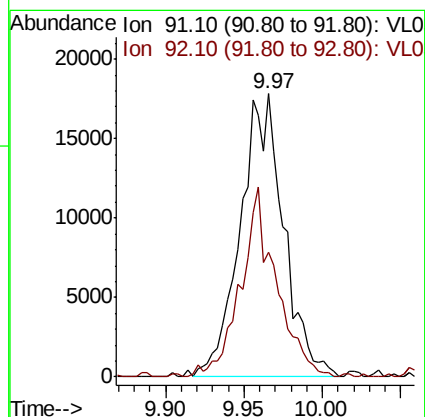
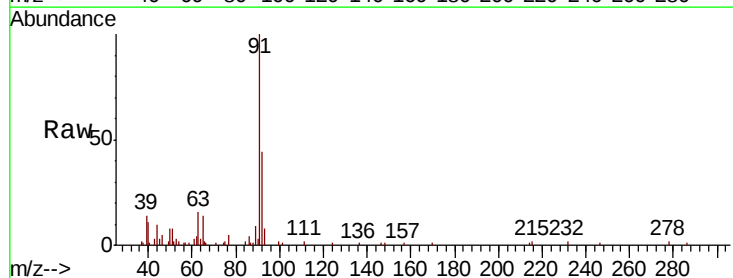
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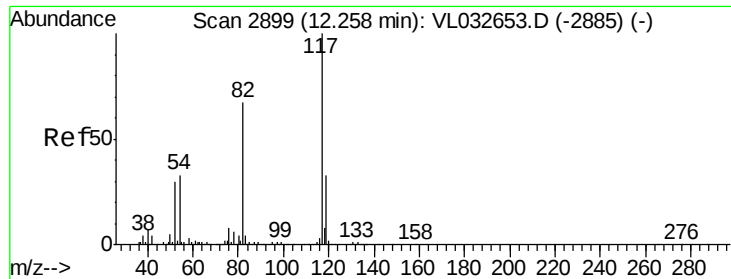
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#53
 Toluene
 Concen: 0.098 ppbv m
 RT: 9.97 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VL032668.D
 Acq: 19 Oct 2018 4:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	48.4	72.6





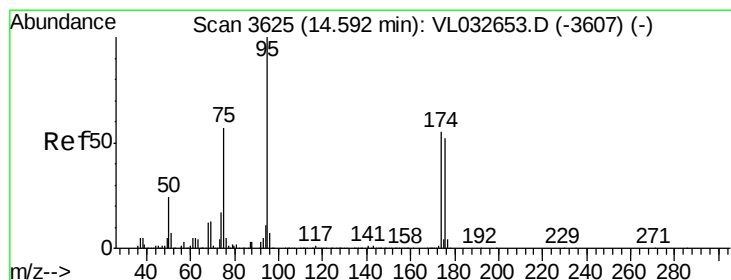
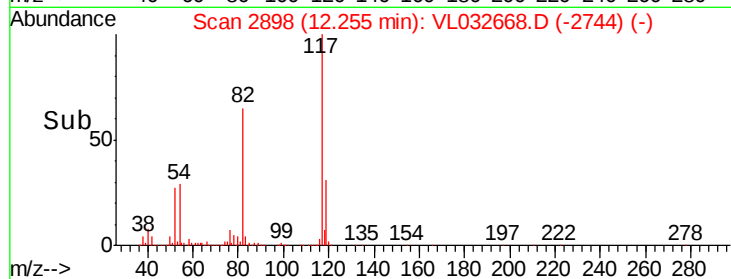
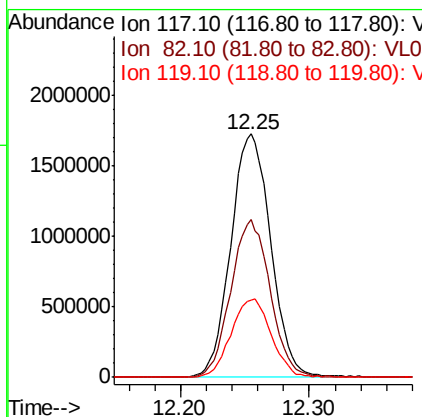
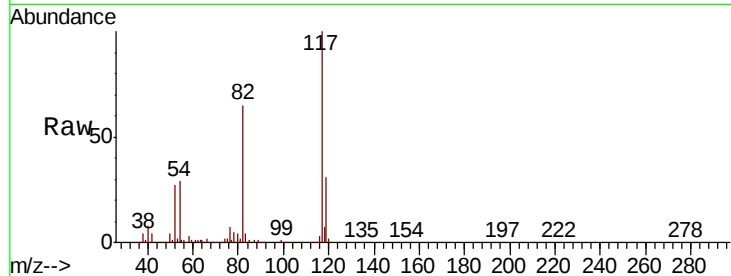
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032668.D
Acq: 19 Oct 2018 4:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tot Ion:117 Resp: 3700674
Ion Ratio Lower Upper
117 100
82 64.6 52.7 79.1
119 32.8 26.7 40.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.070 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032668.D
Acq: 19 Oct 2018 4:23

Tgt Ion: 95 Resp: 2774615
Ion Ratio Lower Upper
95 100
174 63.6 46.0 69.0
175 4.7 3.4 5.0

