

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111418\
 Data File : VL032758.D
 Acq On : 14 Nov 2018 14:22
 Operator : SY/AP
 Sample : J5891-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IASC2DL

Manual Integrations
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Quant Time: Nov 15 06:06:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1601351	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4036567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3641111	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2757140	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	106789	0.841	ppbv	94
9) Propene	3.05	41	29300m	0.577	ppbv	
13) Ethanol	3.66	45	1666422	100.140	ppbv	99
15) Acetone	3.92	43	159765	1.092	ppbv #	89
19) Isopropyl Alcohol	4.04	45	183895	1.888	ppbv #	97
20) Methylene Chloride	4.42	84	99468	1.314	ppbv	99
26) Hexane	5.79	57	93793	0.618	ppbv #	47
53) Toluene	9.95	91	482341	1.438	ppbv	97

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

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

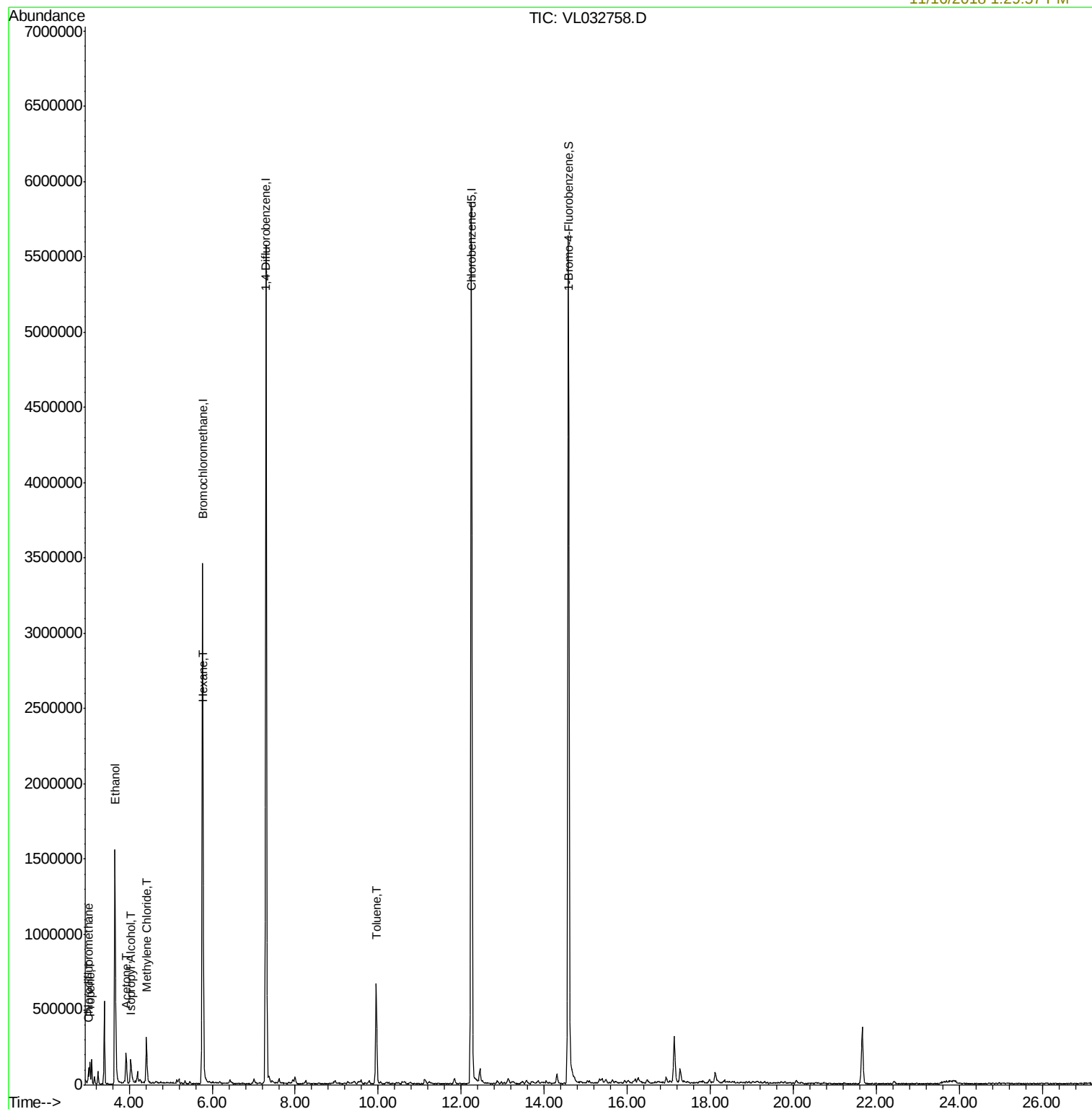
Instrument :
MSVOA_L
ClientSampleId :
IASC2DL

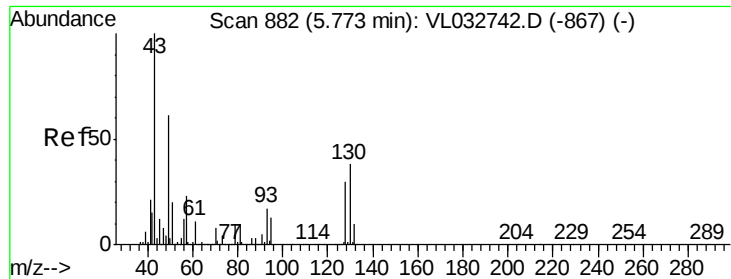
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Quant Time: Nov 15 06:06:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032758.D

Acq: 14 Nov 2018 14:22

Instrument :

MSVOA_L

ClientSampled :

IASC2DL

Tot Ion: 49 Resp: 1601351

Ion Ratio Lower Upper

49 100

128 49.9 24.9 74.6

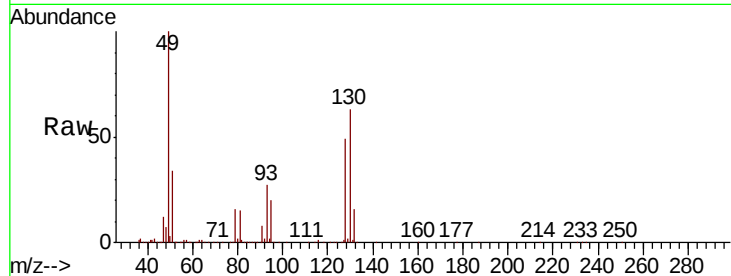
130 64.1 31.4 94.2

Manual Integrations

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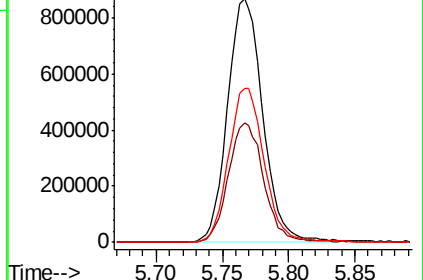
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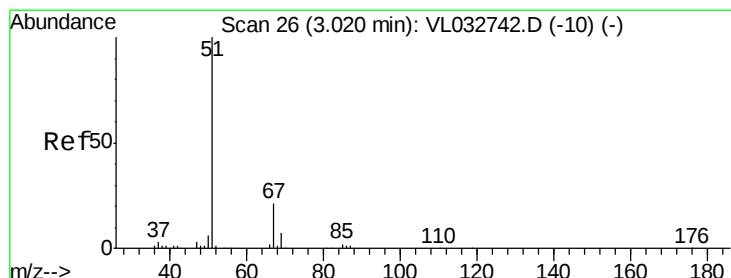
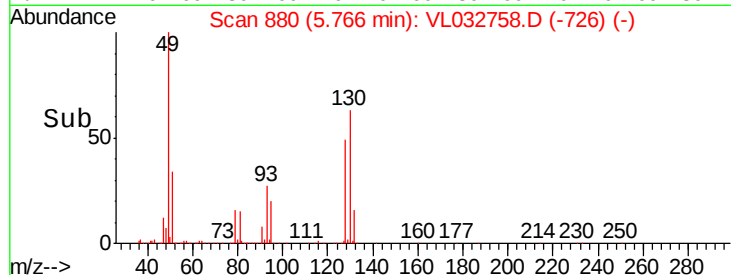
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



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#3

Chlorodifluoromethane

Concen: 0.841 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032758.D

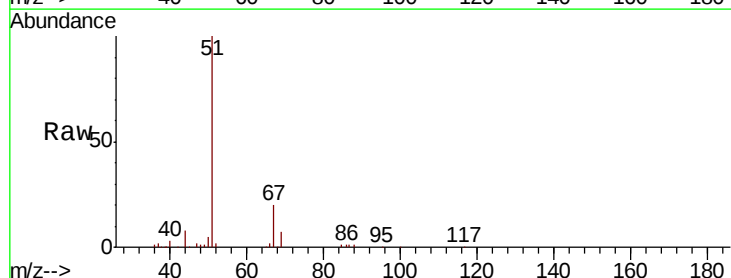
Acq: 14 Nov 2018 14:22

Tgt Ion: 51 Resp: 106789

Ion Ratio Lower Upper

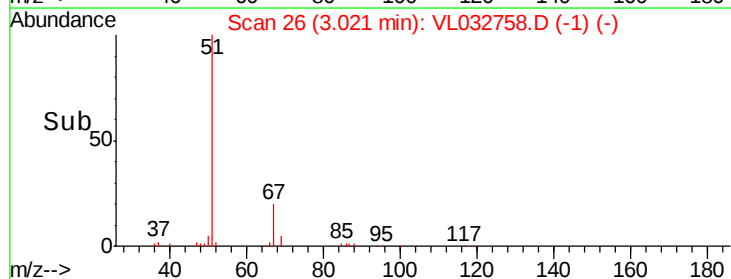
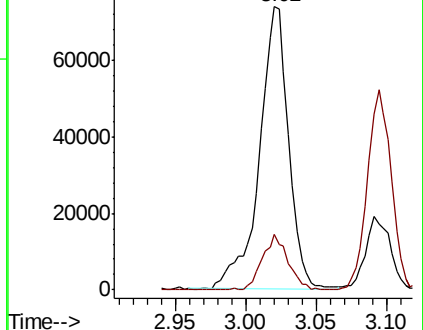
51 100

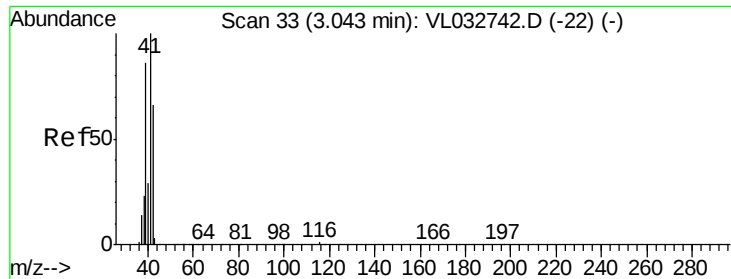
67 17.2 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.577 ppbv m

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032758.D

Acq: 14 Nov 2018 14:22

Instrument :

MSVOA_L

ClientSampleId :

IASC2DL

Tot Ion: 41 Resp: 29300

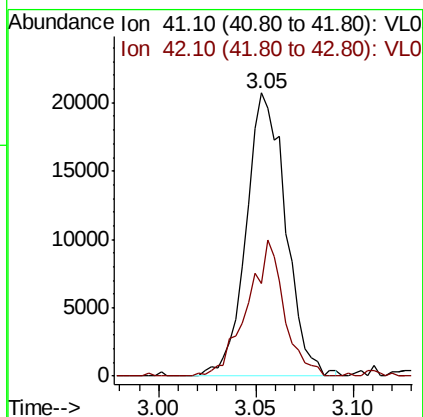
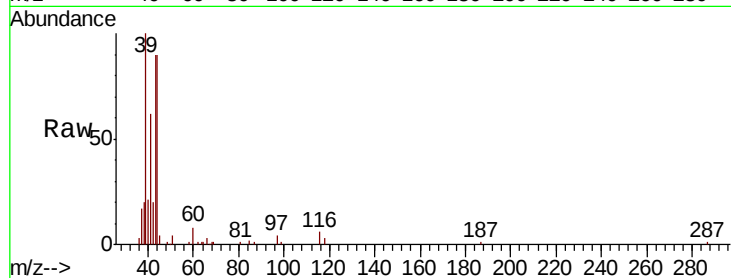
Ion Ratio Lower Upper

41 100

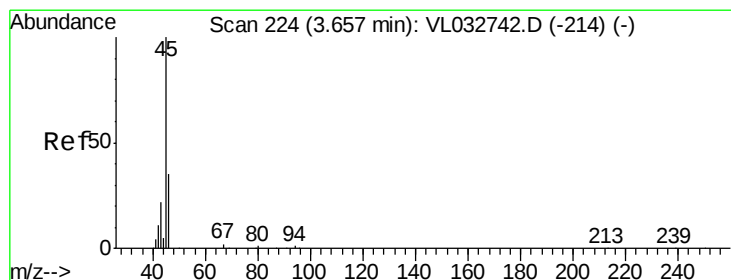
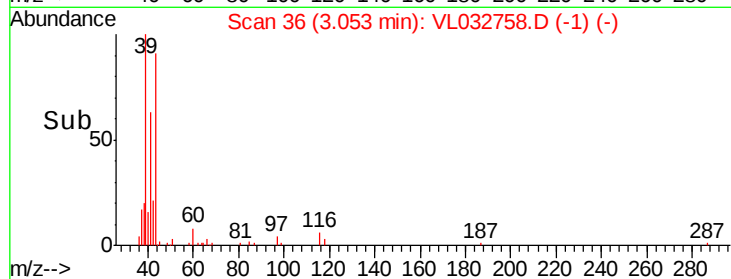
42 55.4 55.0 82.6

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#13

Ethanol

Concen: 100.140 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032758.D

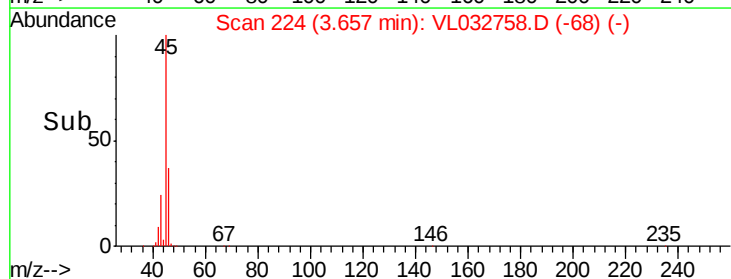
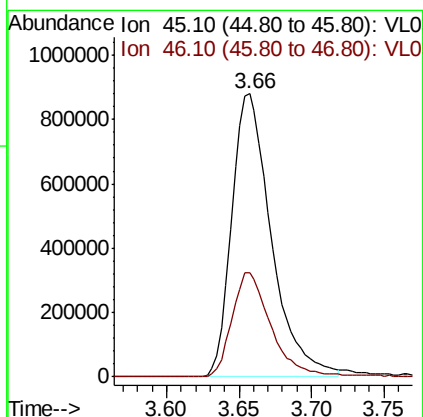
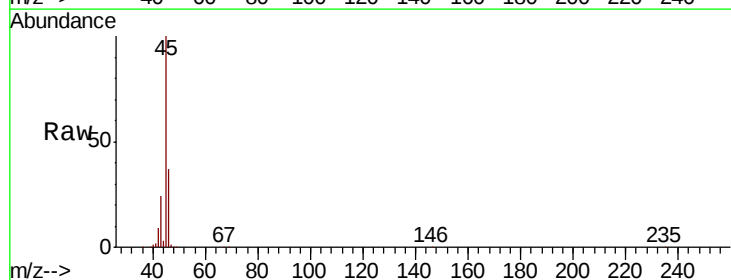
Acq: 14 Nov 2018 14:22

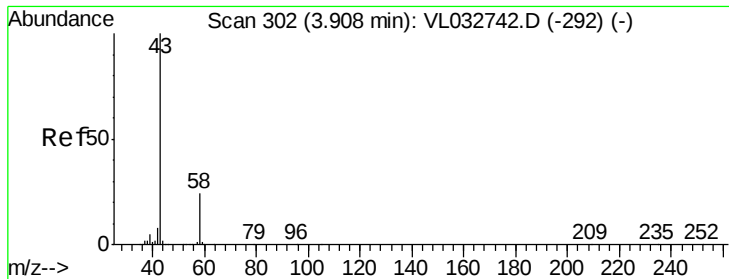
Tgt Ion: 45 Resp: 1666422

Ion Ratio Lower Upper

45 100

46 36.7 14.5 57.9





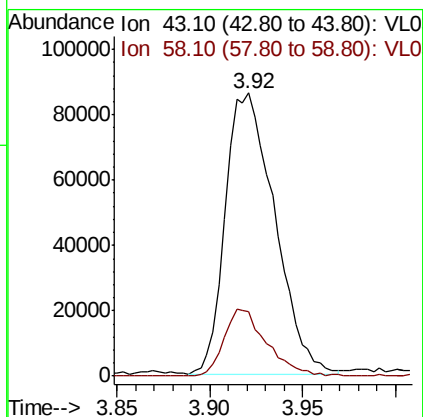
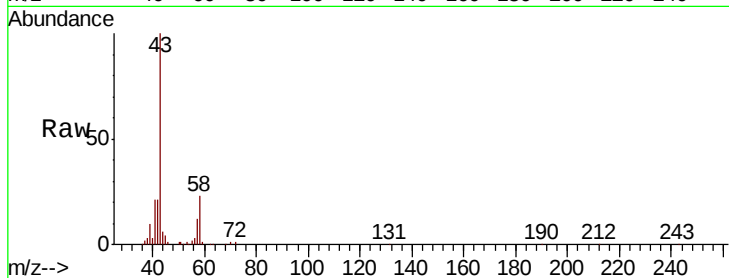
#15
Acetone
Concen: 1.092 ppbv
RT: 3.92 min Scan# 306
Delta R.T. 0.01 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Instrument :
MSVOA_L
ClientSampleId :
IASC2DL

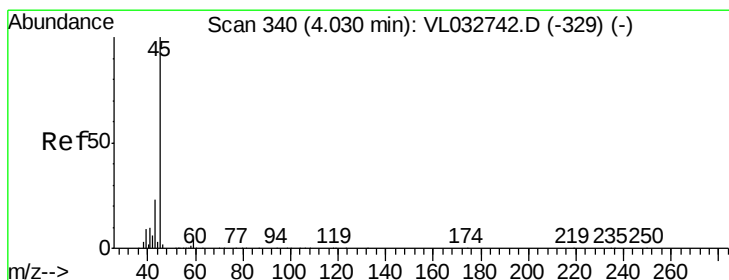
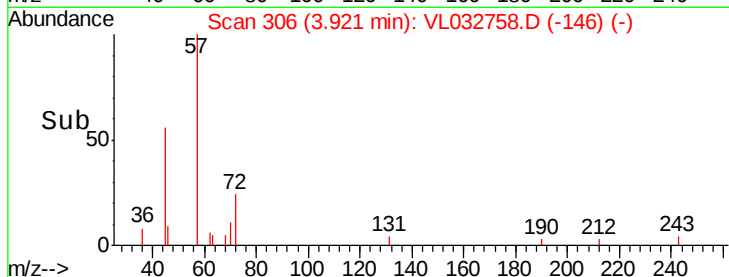
Tot Ion: 43 Resp: 159765
Ion Ratio Lower Upper
43 100
58 20.9 21.1 31.7#

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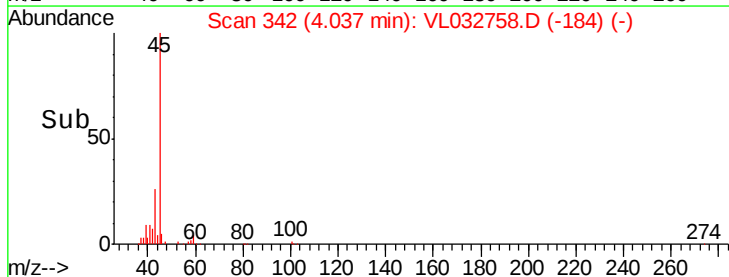
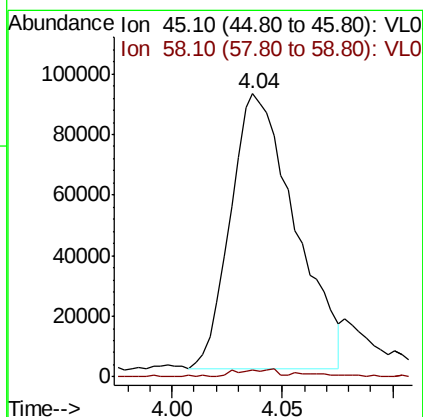
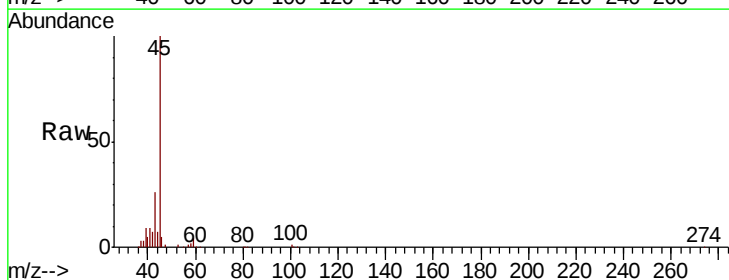


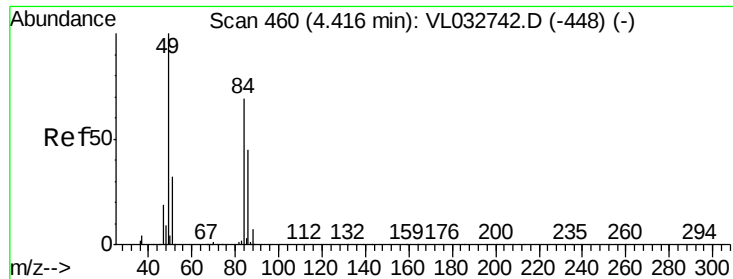
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#19
Isopropyl Alcohol
Concen: 1.888 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Tgt Ion: 45 Resp: 183895
Ion Ratio Lower Upper
45 100
58 2.9 1.4 2.0#





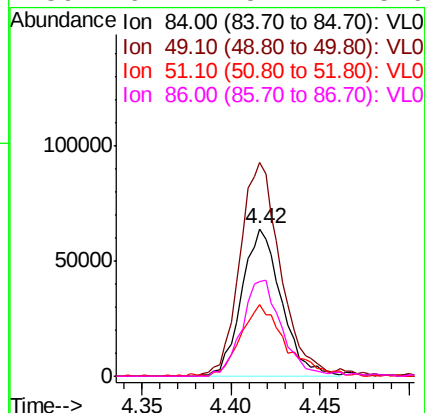
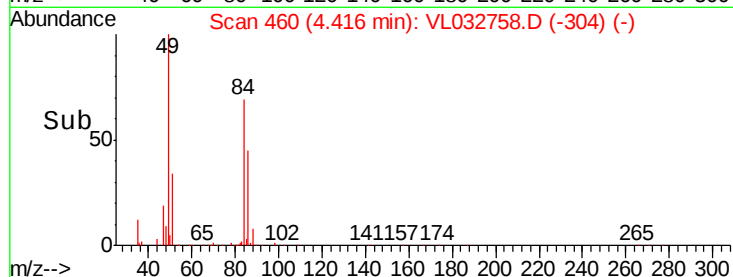
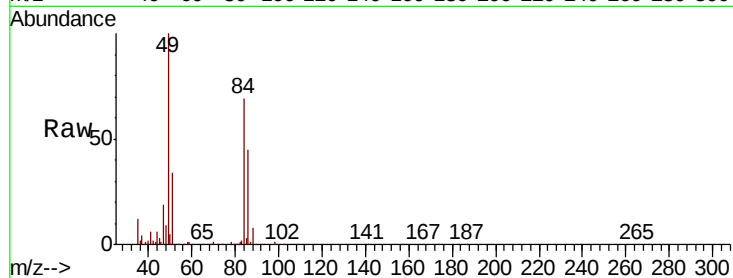
#20
Methvlene Chloride
Concen: 1.314 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Instrument :
MSVOA_L
ClientSampleId :
IASC2DL

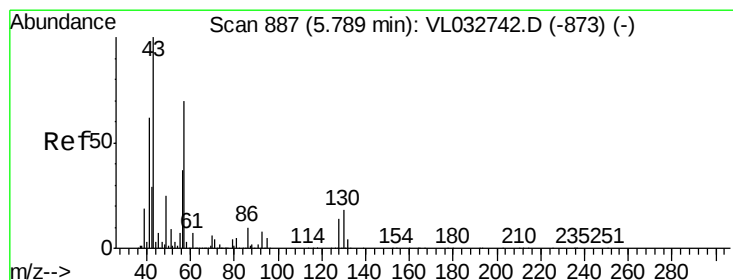
Tot Ion:	84	Resp:	99468
Ion	Ratio	Lower	Upper
84	100		
49	145.0	115.8	173.6
51	47.7	36.9	55.3
86	64.7	52.4	78.6

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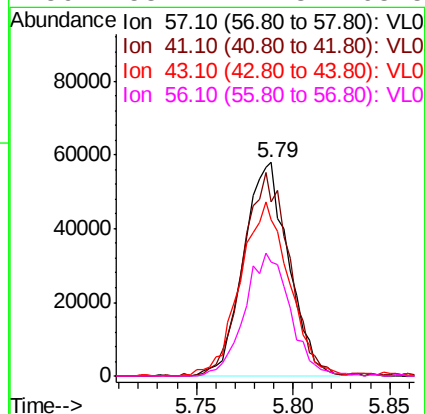
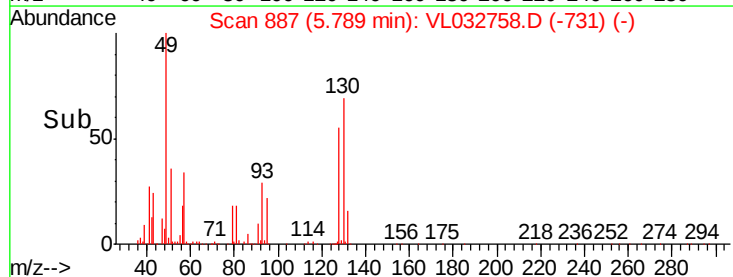
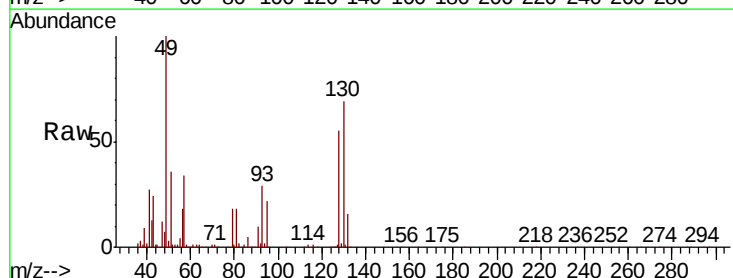


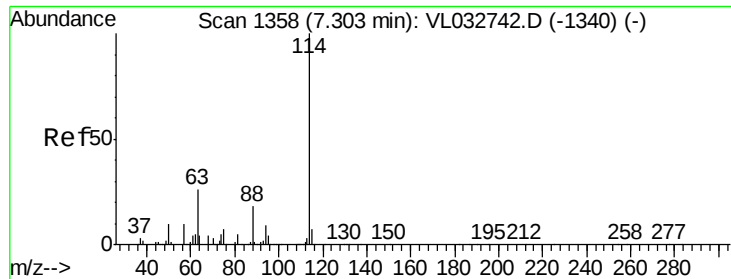
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#26
Hexane
Concen: 0.618 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Tgt Ion:	57	Resp:	93793
Ion	Ratio	Lower	Upper
57	100		
41	98.6	70.3	105.5
43	89.6	174.0	261.0#
56	58.2	42.3	63.5





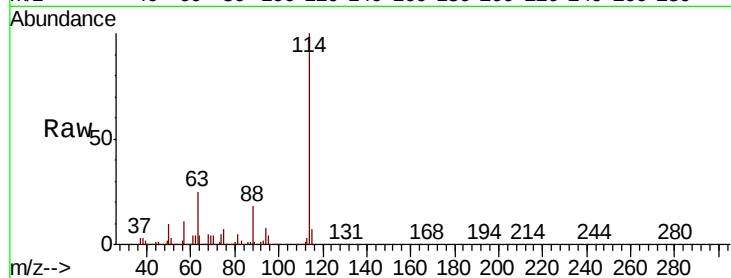
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Instrument :
MSVOA_L
ClientSampleId :
IASC2DL

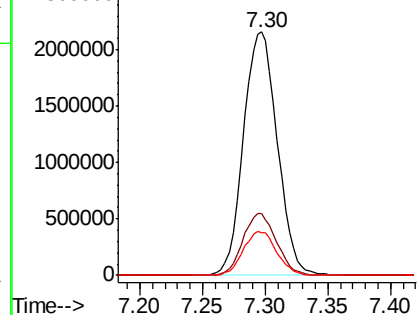
Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.9	31.3
88	18.0	14.4	21.6

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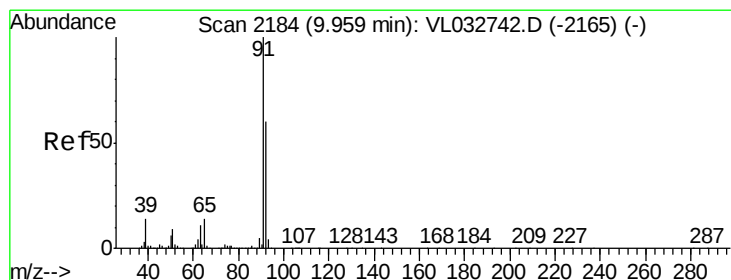
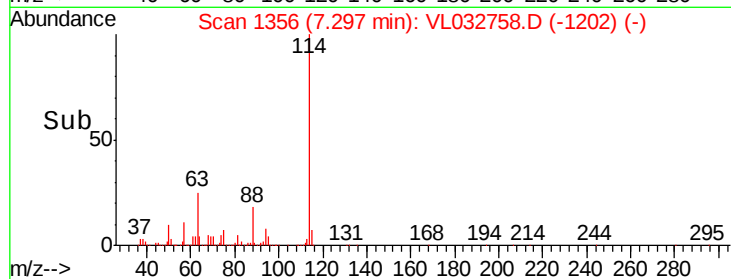
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Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

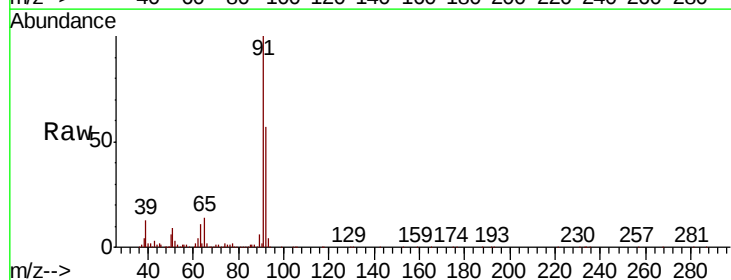


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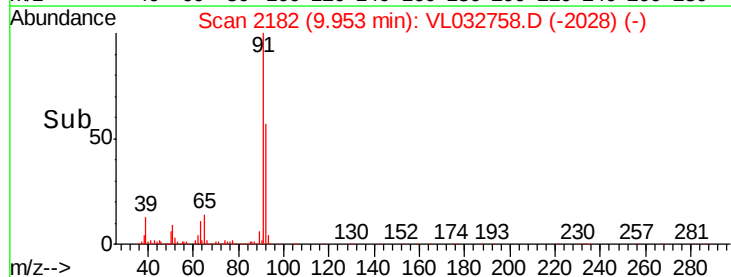
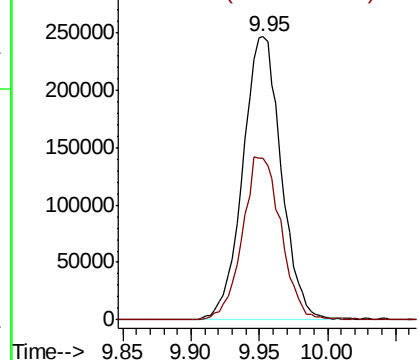


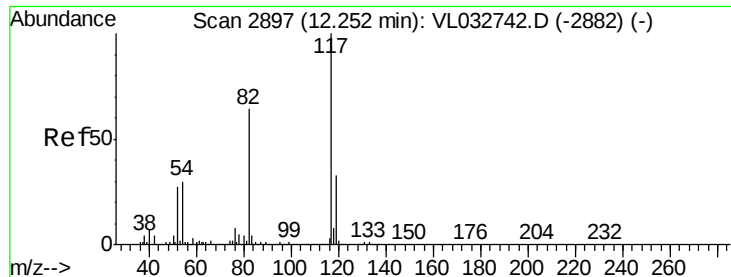
#53
Toluene
Concen: 1.438 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.9	71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0





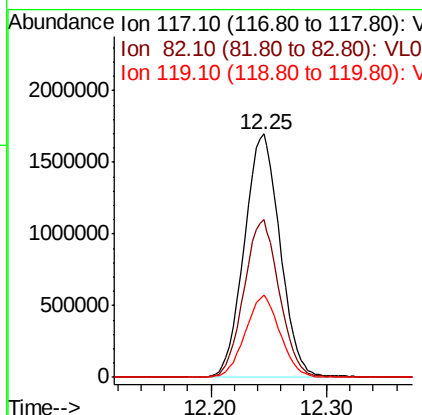
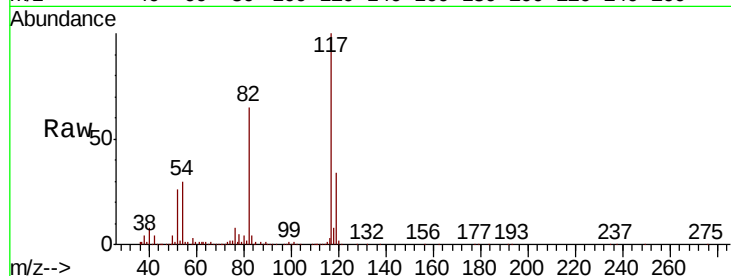
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Instrument :
MSVOA_L
ClientSampleId :
IASC2DL

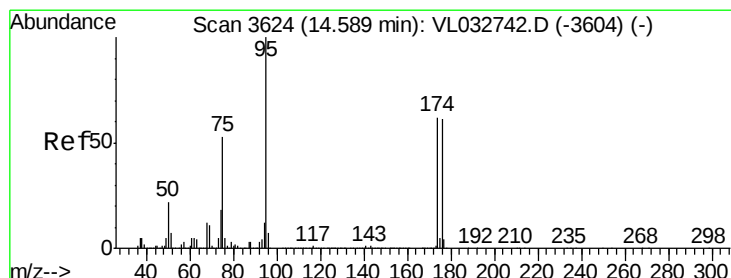
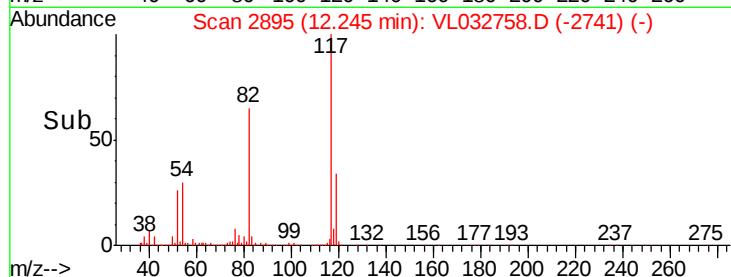
Tot Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.0	76.6
119	32.8	28.0	42.0

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.124 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032758.D
Acq: 14 Nov 2018 14:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	64.9	50.7	76.1
175	4.8	3.8	5.6

