

Data File : VL032839.D
Acq On : 29 Nov 2018 18:00
Operator : SY/AP
Sample : J6088-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-4DL

Quant Time: Nov 30 06:25:01 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1466789	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3665355	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3455517	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2625257 10.16 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	8909	0.042	ppbv	89
3) Chlorodifluoromethane	3.02	51	26044	0.224	ppbv #	87
4) Chloromethane	3.18	50	3032	0.047	ppbv	97
9) Propene	3.05	41	4090	0.088	ppbv #	58
11) Trichlorofluoromethane	4.01	101	14987	0.075	ppbv	93
13) Ethanol	3.67	45	27662	1.815	ppbv	94
15) Acetone	3.92	43	207978	1.553	ppbv	100
19) Isopropyl Alcohol	4.06	45	8657	0.097	ppbv #	95
20) Methylene Chloride	4.42	84	18464	0.266	ppbv #	83
26) Hexane	5.79	57	33043	0.238	ppbv #	44
34) 2-Butanone	5.36	43	33093	0.174	ppbv	100
38) Trichloroethene	7.97	130	5573	0.047	ppbv #	61
39) 1,2-Dichloropropane	7.30	63	901066	8.103	ppbv #	22
53) Toluene	9.96	91	45927	0.151	ppbv #	63

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

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Instrument :

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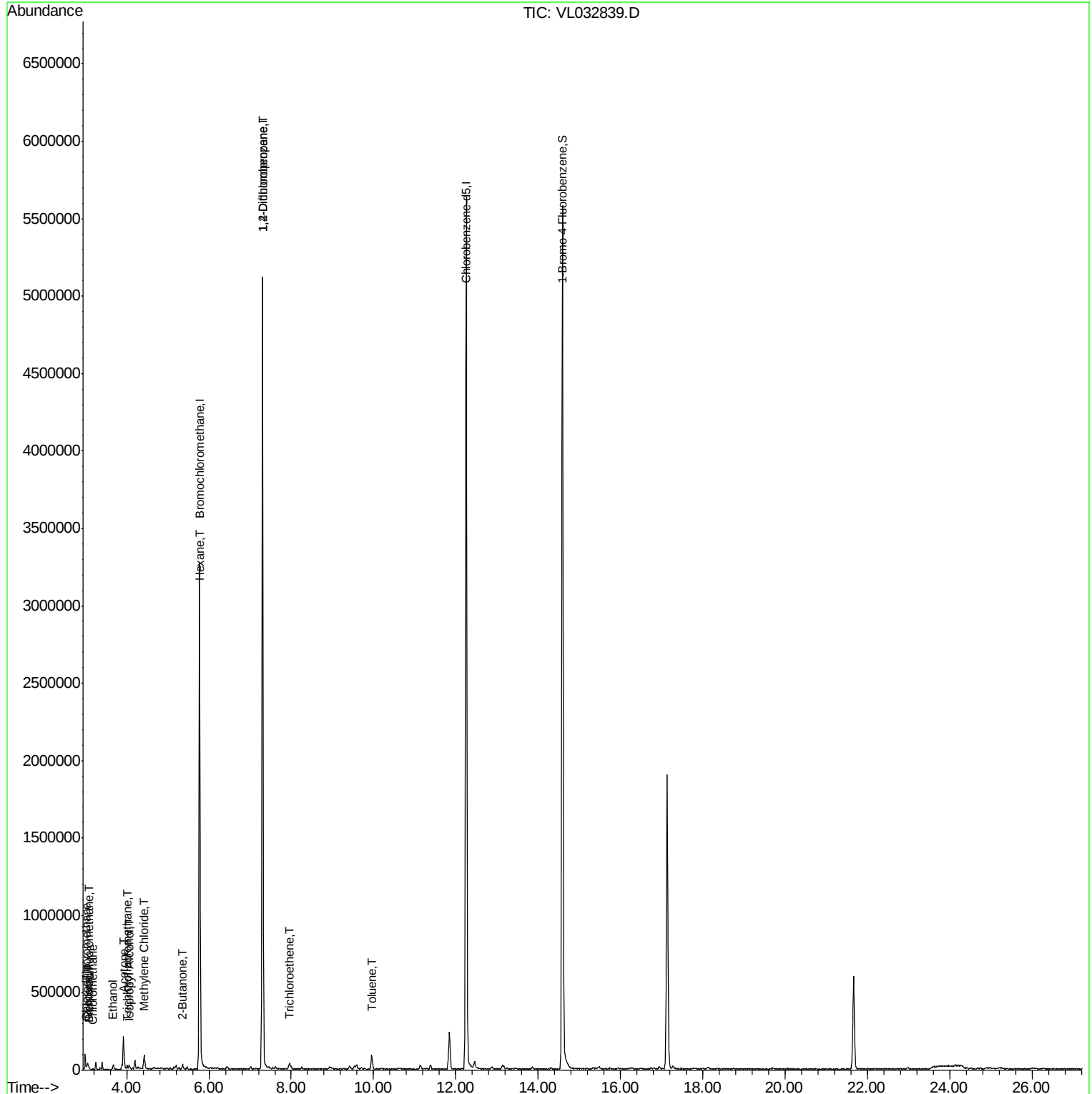
Quant Time: Nov 30 06:25:01 2018

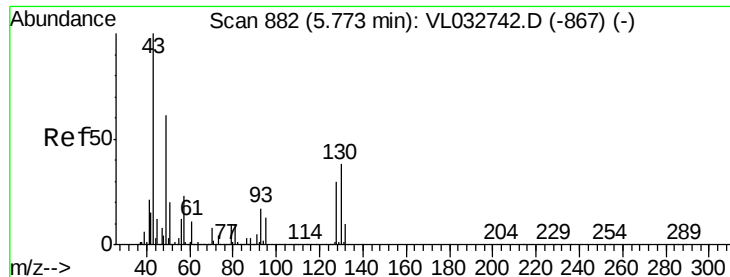
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

Lab File: VL032839.D

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Instrument :

MSVOA_L

ClientSampleId :

IAS-4DL

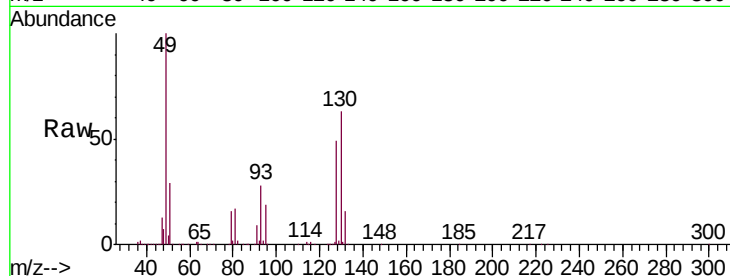
Tgt Ion: 49 Resp: 1466789

Ion Ratio Lower Upper

49 100

128 51.3 24.9 74.6

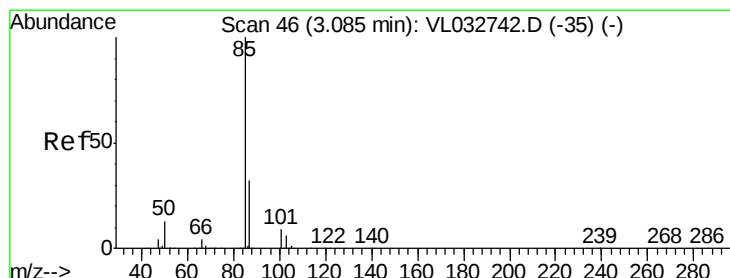
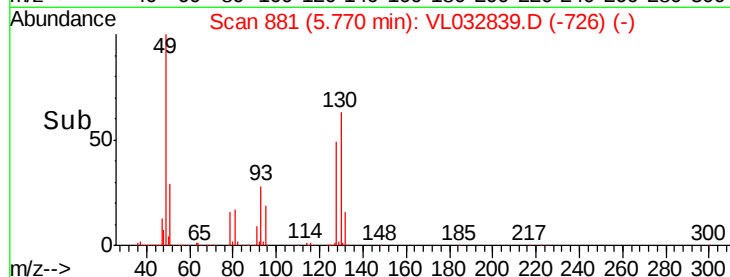
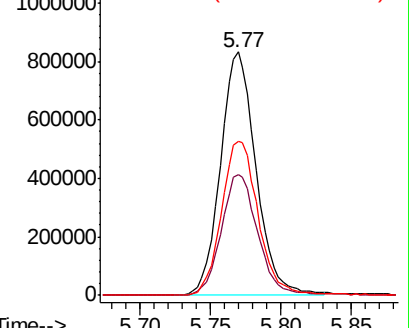
130 66.3 31.4 94.2



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



#2

Dichlorodifluoromethane

Concen: 0.042 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032839.D

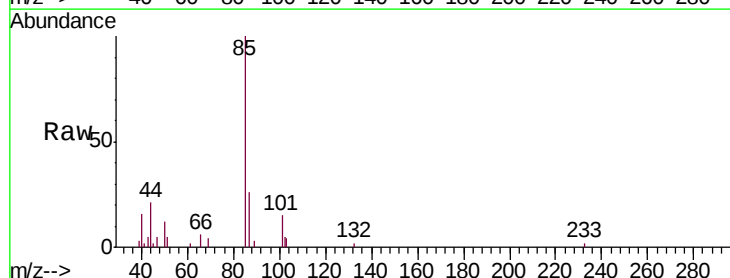
Acq: 29 Nov 2018 18:00

Tgt Ion: 85 Resp: 8909

Ion Ratio Lower Upper

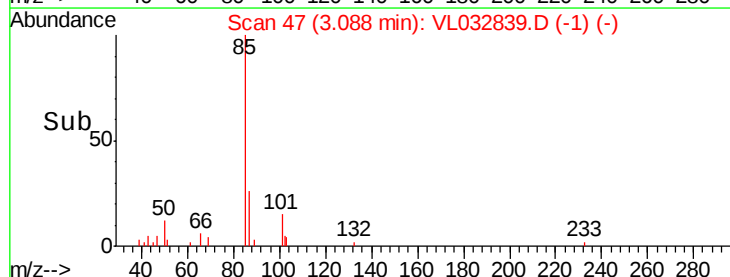
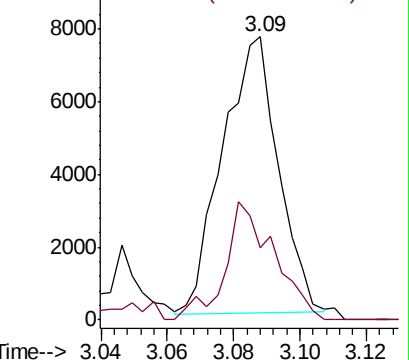
85 100

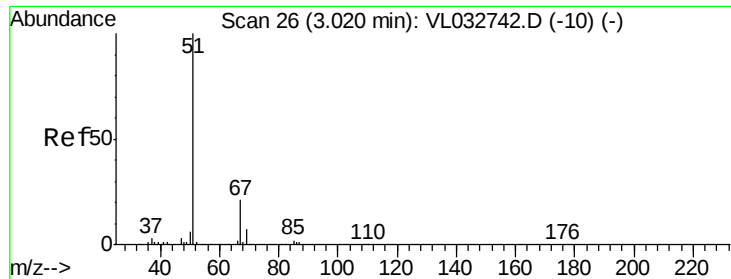
87 26.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

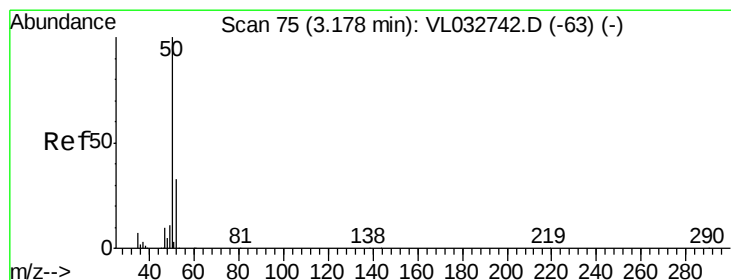
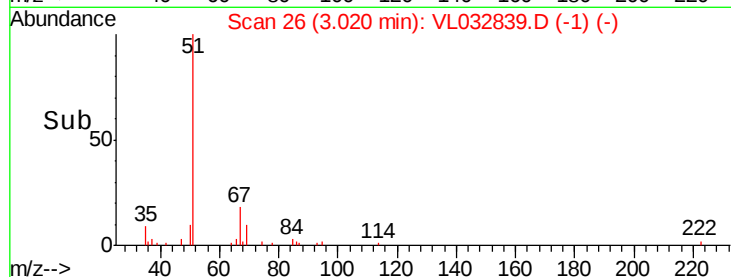
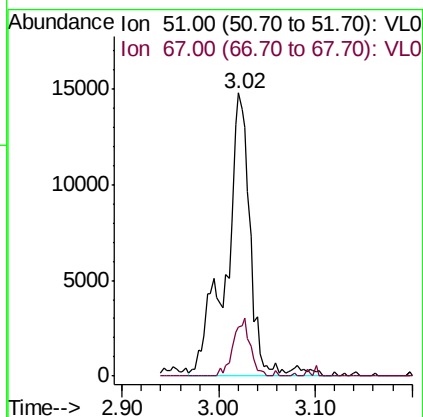
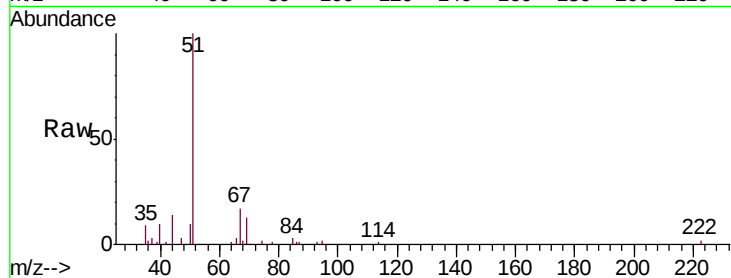




#3
 Chlorodifluoromethane
 Concen: 0.224 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. 0.00 min
 Lab File: VL032839.D
 Acq: 29 Nov 2018 18:00

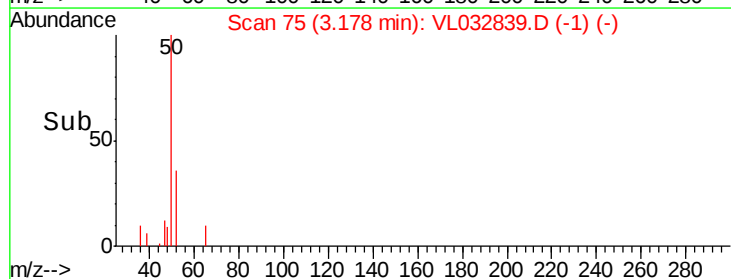
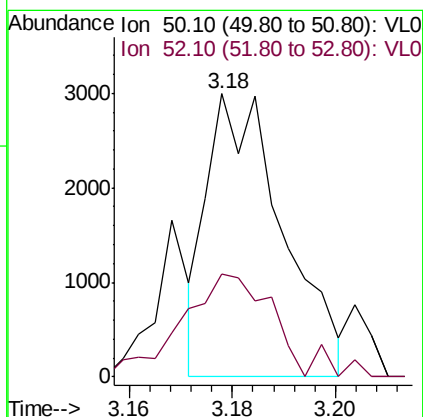
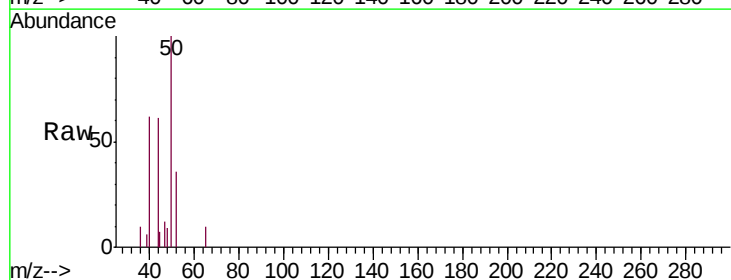
Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-4DL

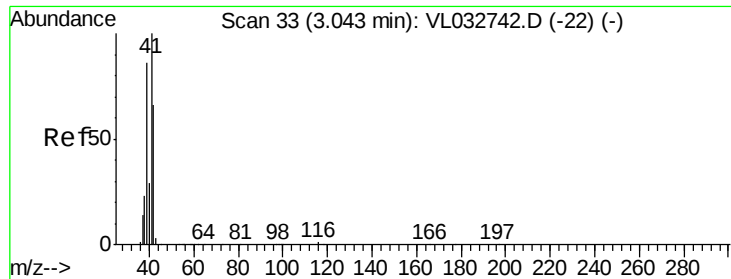
Tgt Ion: 51 Resp: 26044
 Ion Ratio Lower Upper
 51 100
 67 14.3 16.1 24.1#



#4
 Chloromethane
 Concen: 0.047 ppbv
 RT: 3.18 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VL032839.D
 Acq: 29 Nov 2018 18:00

Tgt Ion: 50 Resp: 3032
 Ion Ratio Lower Upper
 50 100
 52 34.8 26.6 40.0





#9

Propene

Concen: 0.088 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032839.D

Acq: 29 Nov 2018 18:00

Instrument :

MSVOA_L

ClientSampleId :

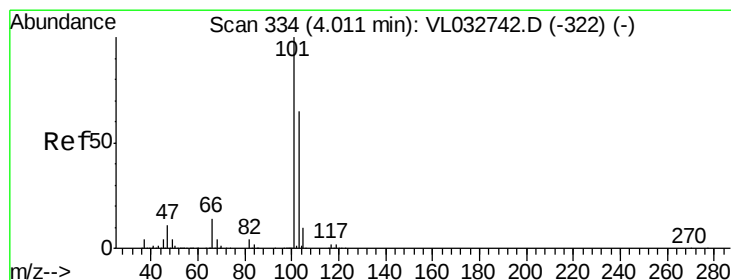
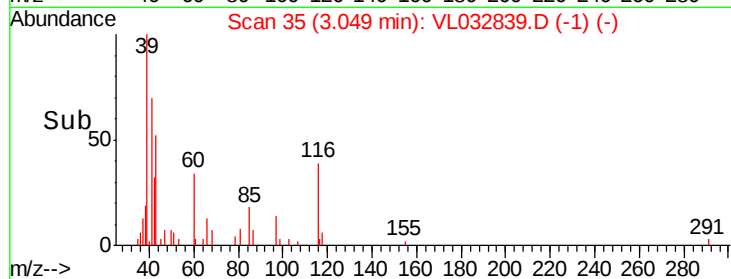
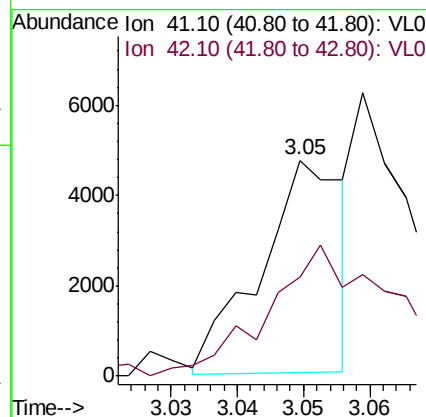
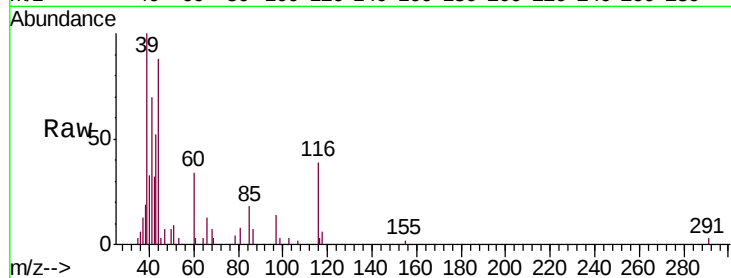
IAS-4DL

Tgt Ion: 41 Resp: 4090

Ion Ratio Lower Upper

41 100

42 102.6 55.0 82.6#



#11

Trichlorofluoromethane

Concen: 0.075 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL032839.D

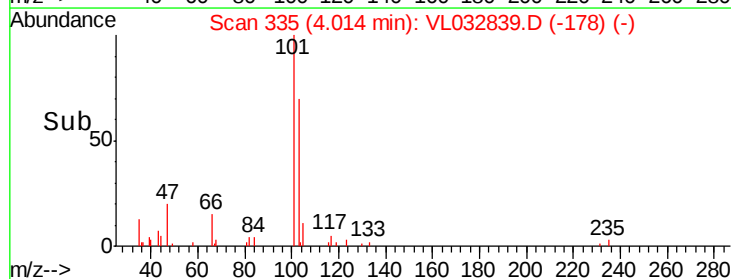
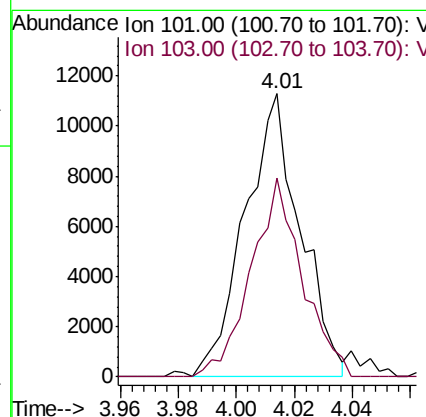
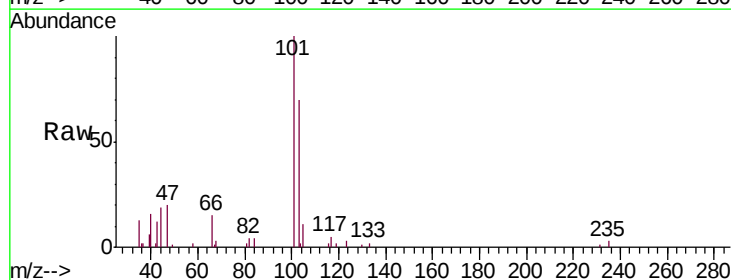
Acq: 29 Nov 2018 18:00

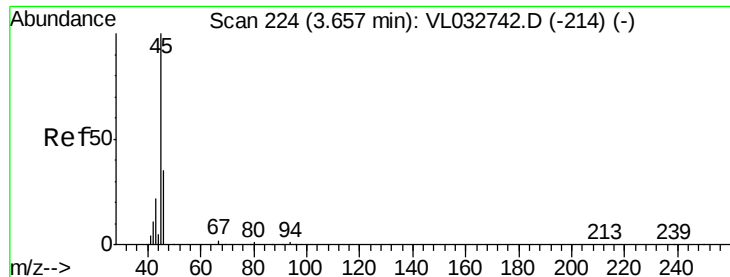
Tgt Ion: 101 Resp: 14987

Ion Ratio Lower Upper

101 100

103 70.1 51.6 77.4





#13

Ethanol

Concen: 1.815 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL032839.D

Acq: 29 Nov 2018 18:00

Instrument :

MSVOA_L

ClientSampleId :

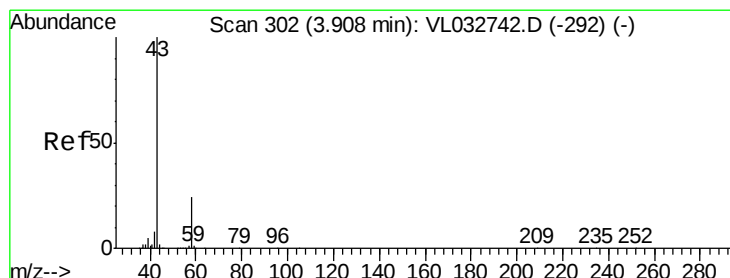
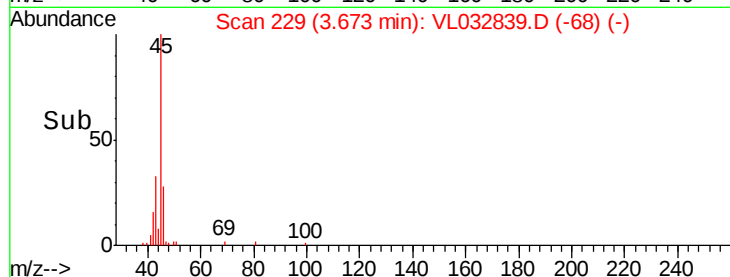
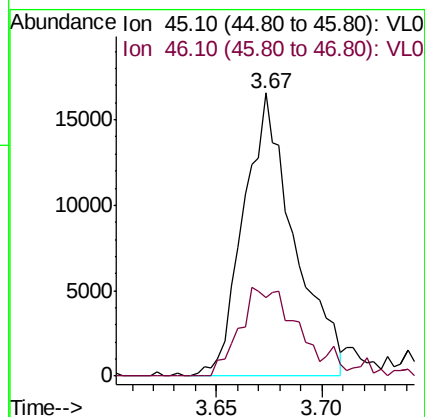
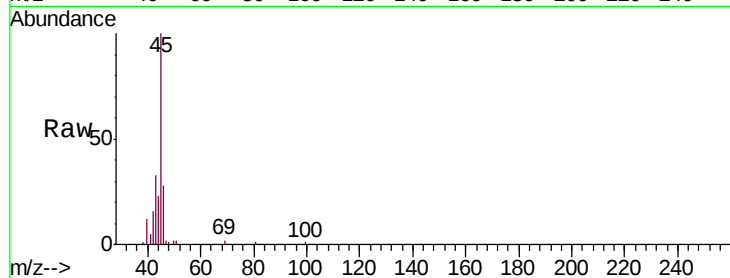
IAS-4DL

Tgt Ion: 45 Resp: 27662

Ion Ratio Lower Upper

45 100

46 39.5 14.5 57.9



#15

Acetone

Concen: 1.553 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL032839.D

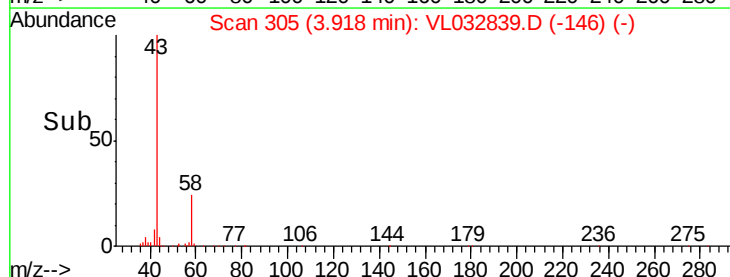
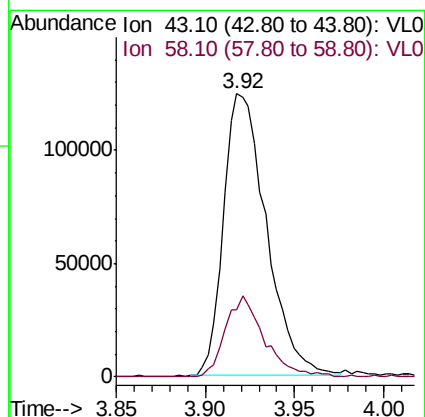
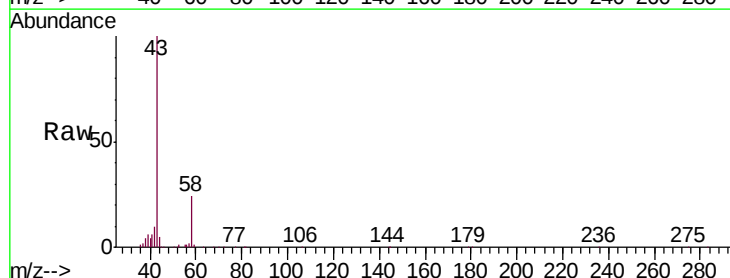
Acq: 29 Nov 2018 18:00

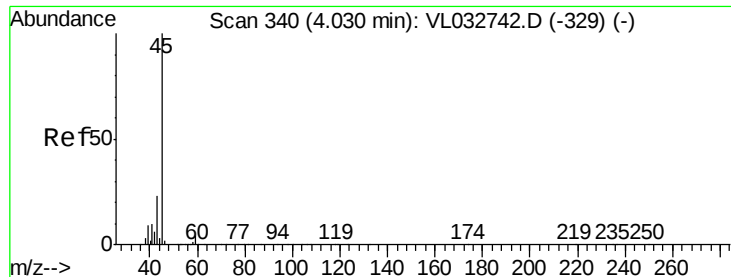
Tgt Ion: 43 Resp: 207978

Ion Ratio Lower Upper

43 100

58 26.3 21.1 31.7





#19

Isopropyl Alcohol

Concen: 0.097 ppbv

RT: 4.06 min Scan# 348

Delta R.T. 0.03 min

Lab File: VL032839.D

Acq: 29 Nov 2018 18:00

Instrument :

MSVOA_L

ClientSampleID :

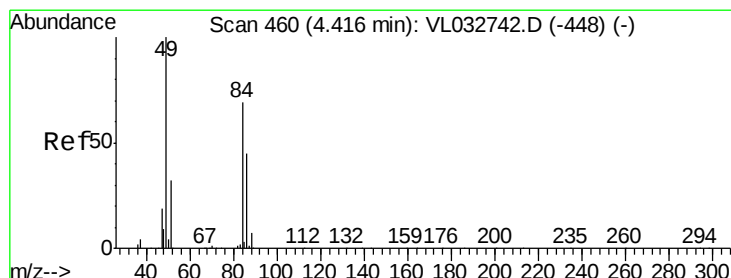
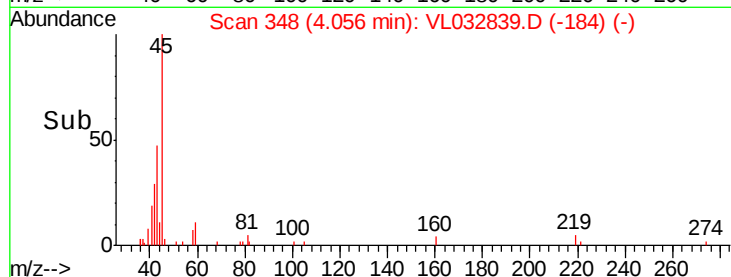
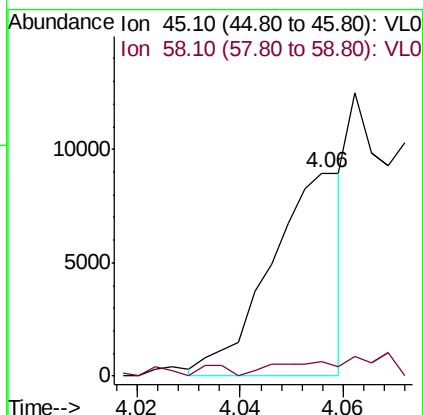
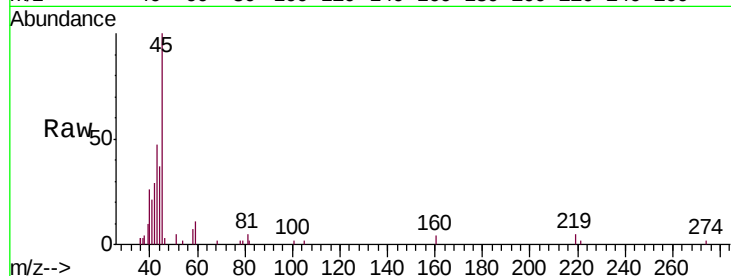
IAS-4DL

Tgt Ion: 45 Resp: 8657

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



#20

Methylene Chloride

Concen: 0.266 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032839.D

Acq: 29 Nov 2018 18:00

Tgt Ion: 84 Resp: 18464

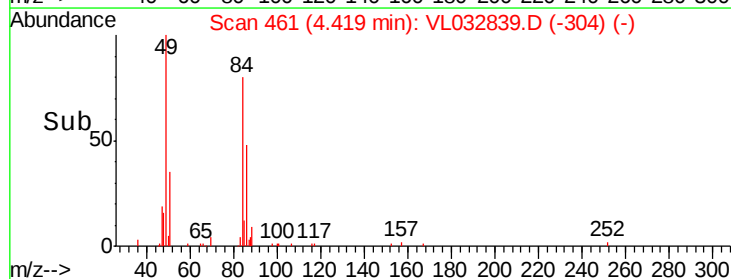
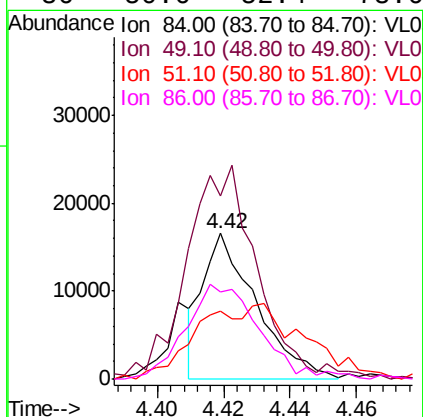
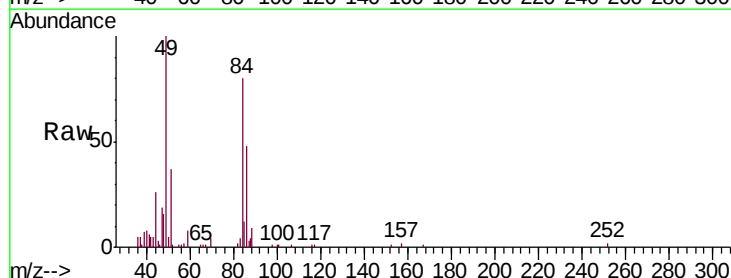
Ion Ratio Lower Upper

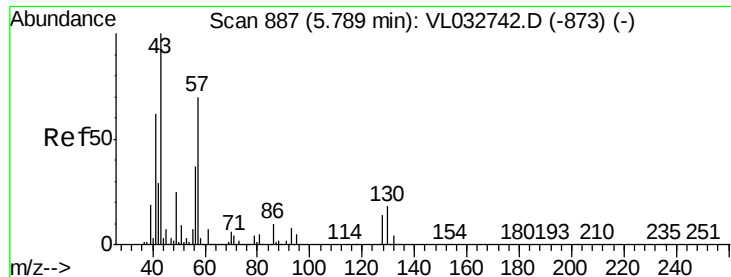
84 100

49 121.6 115.8 173.6

51 38.7 36.9 55.3

86 50.6 52.4 78.6#

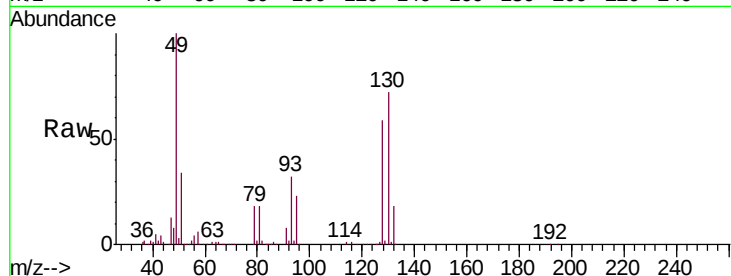




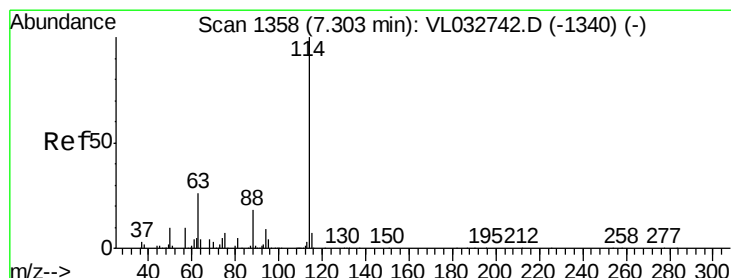
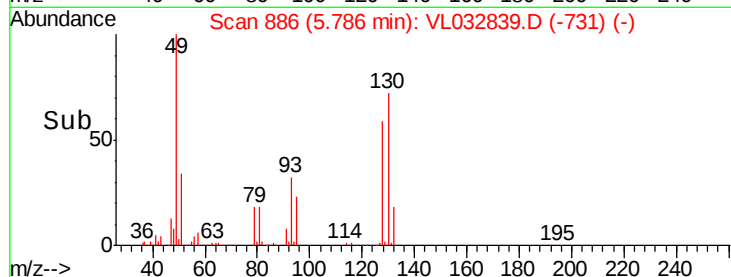
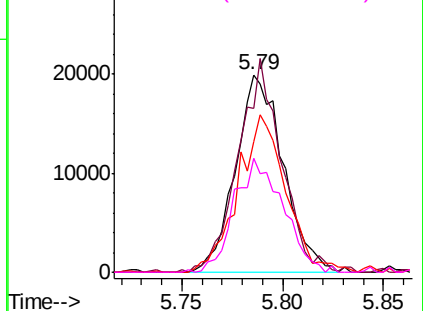
#26
Hexane
Concen: 0.238 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032839.D
Acq: 29 Nov 2018 18:00

Instrument :
MSVOA_L
ClientSampleId :
IAS-4DL

Tgt Ion: 57 Resp: 33043
Ion Ratio Lower Upper
57 100
41 98.6 70.3 105.5
43 81.0 174.0 261.0#
56 58.8 42.3 63.5

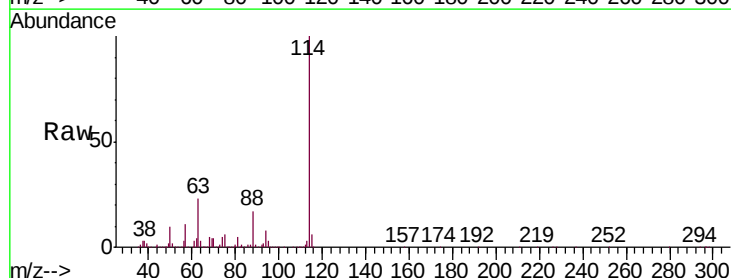


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

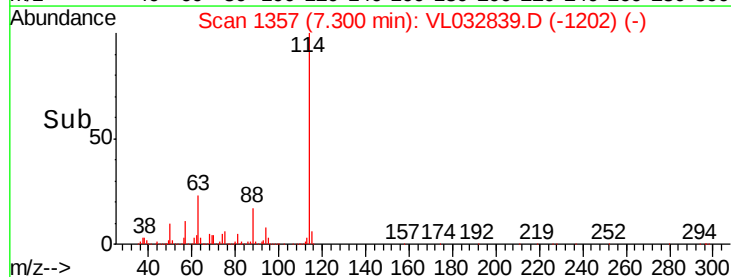
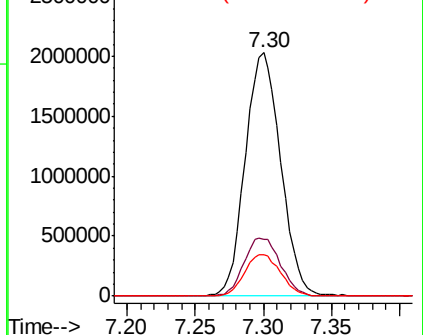


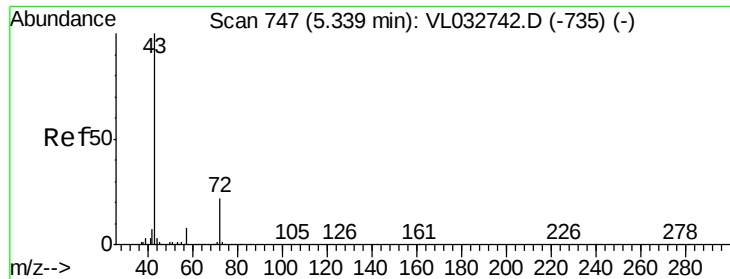
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VL032839.D
Acq: 29 Nov 2018 18:00

Tgt Ion:114 Resp: 3665355
Ion Ratio Lower Upper
114 100
63 24.8 20.9 31.3
88 17.4 14.4 21.6



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

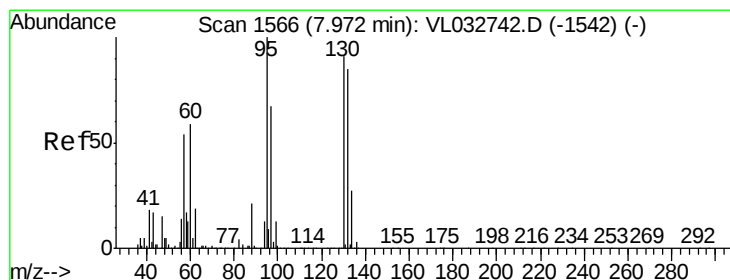
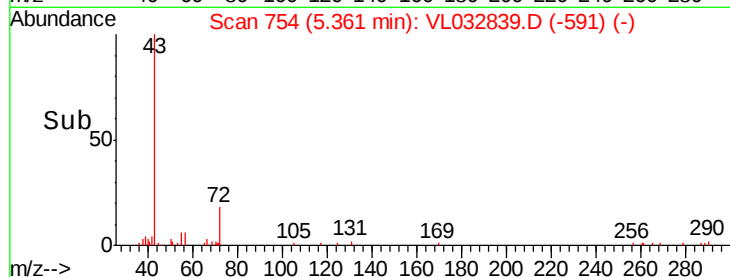
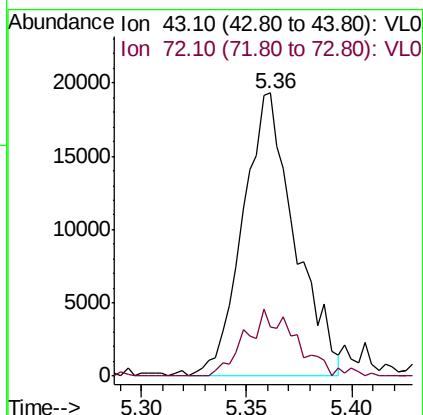
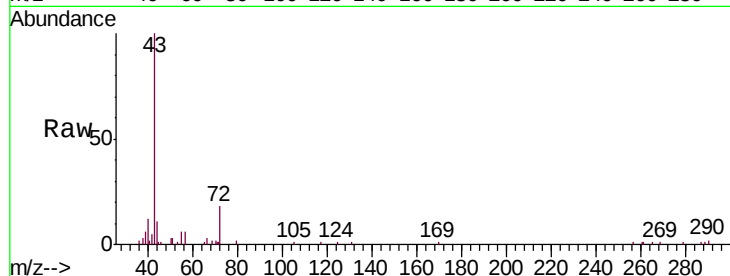




#34
2-Butanone
Concen: 0.174 ppbv
RT: 5.36 min Scan# 754
Delta R.T. 0.02 min
Lab File: VL032839.D
Acq: 29 Nov 2018 18:00

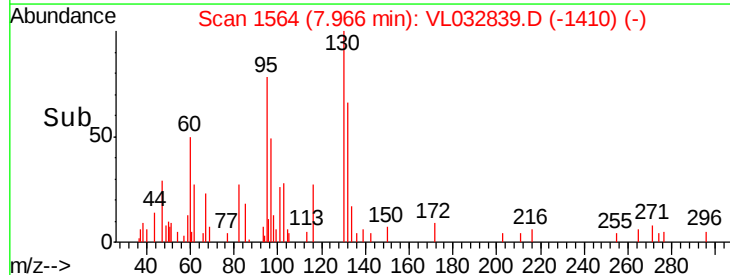
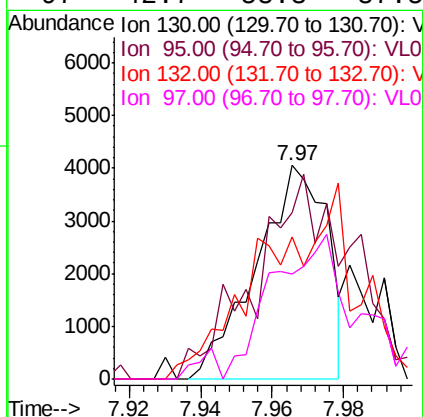
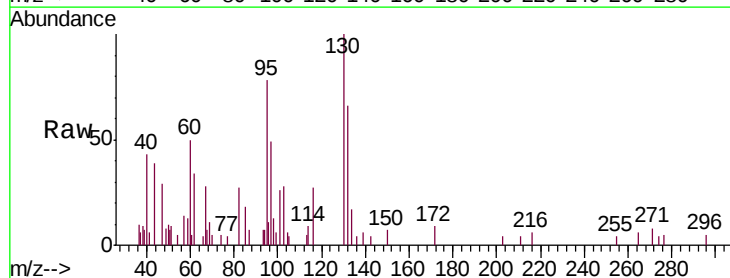
Instrument :
MSVOA_L
ClientSampleId :
IAS-4DL

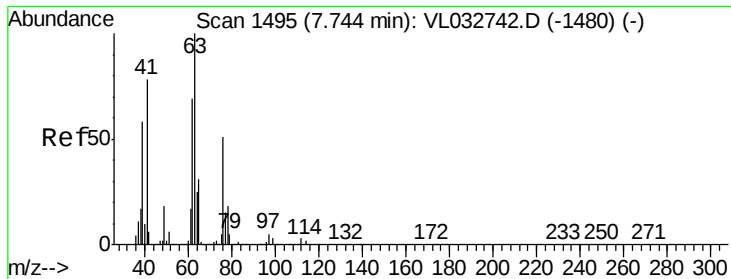
Tgt Ion: 43 Resp: 33093
Ion Ratio Lower Upper
43 100
72 23.2 18.4 27.6



#38
Trichloroethene
Concen: 0.047 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VL032839.D
Acq: 29 Nov 2018 18:00

Tgt Ion: 130 Resp: 5573
Ion Ratio Lower Upper
130 100
95 63.7 87.7 131.5#
132 57.2 74.6 111.8#
97 42.7 58.3 87.5#





#39

1,2-Dichloropropane

Concen: 8.103 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032839.D

Acq: 29 Nov 2018 18:00

Instrument :

MSVOA_L

ClientSampleId :

IAS-4DL

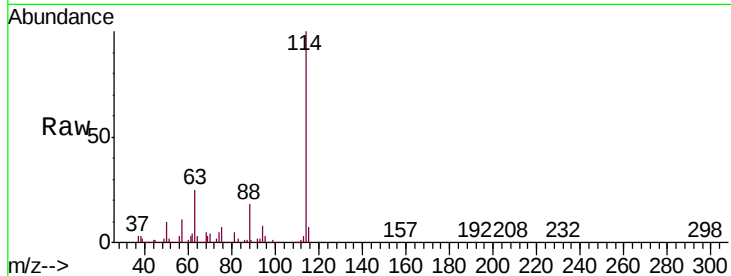
Tgt Ion: 63 Resp: 901066

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

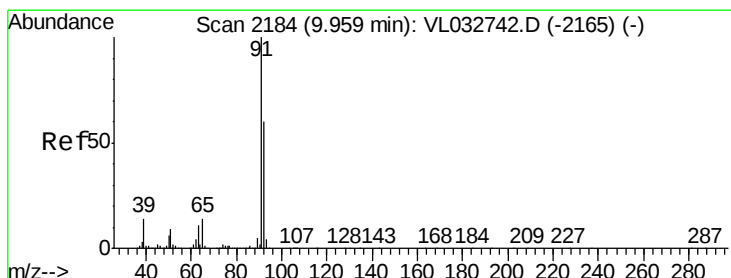
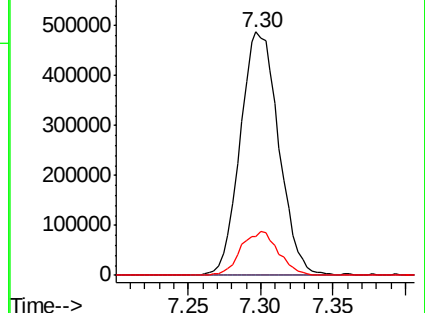
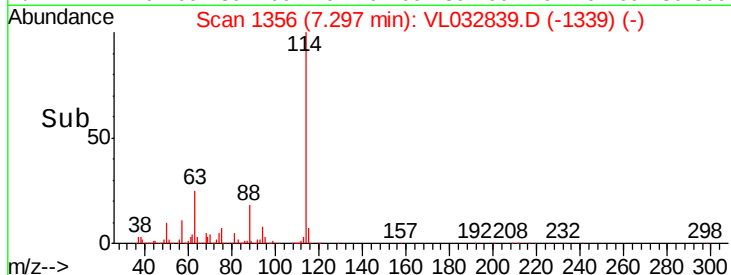
62 15.8 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#53

Toluene

Concen: 0.151 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032839.D

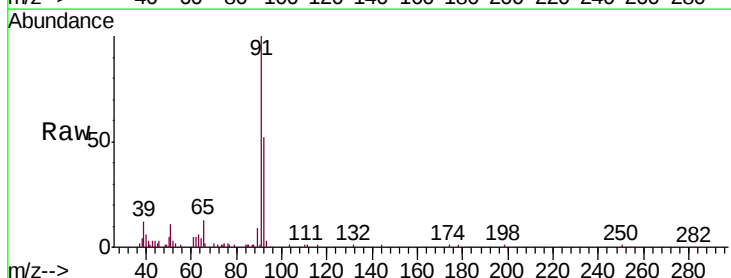
Acq: 29 Nov 2018 18:00

Tgt Ion: 91 Resp: 45927

Ion Ratio Lower Upper

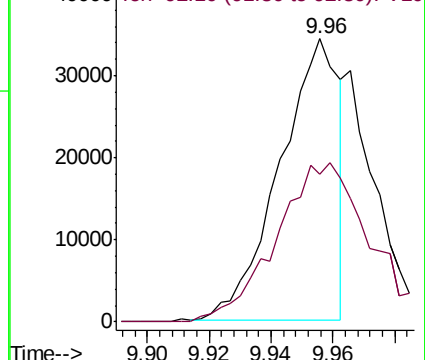
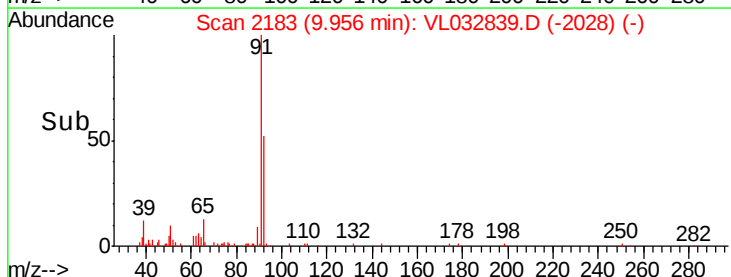
91 100

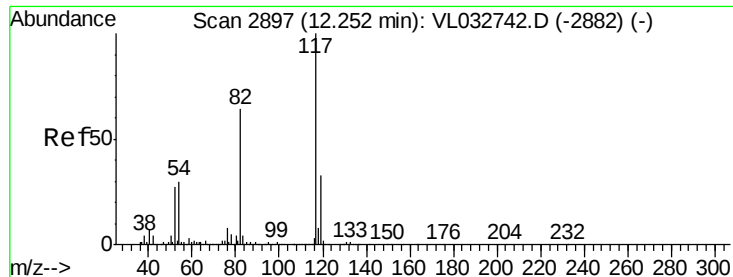
92 87.6 47.9 71.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

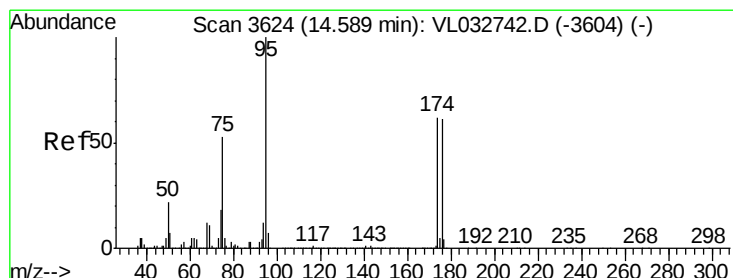
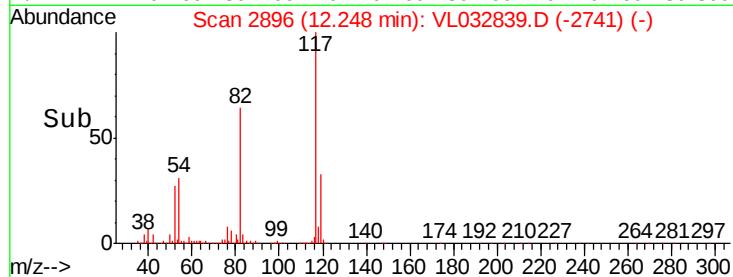
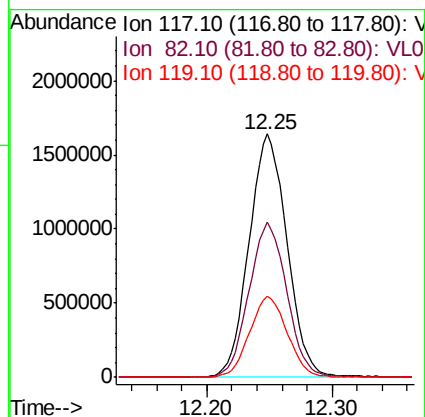
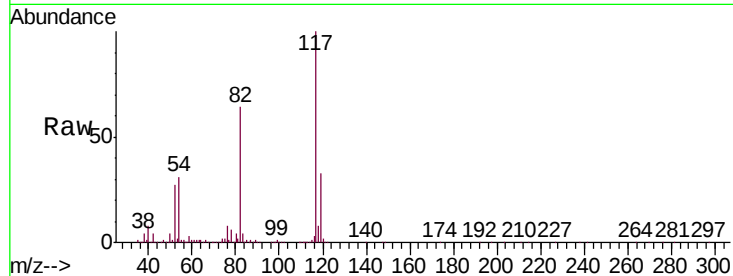




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032839.D
Acq: 29 Nov 2018 18:00

Instrument :
MSVOA_L
ClientSampleId :
IAS-4DL

Tgt Ion: 117 Resp: 345517
Ion Ratio Lower Upper
117 100
82 64.1 51.0 76.6
119 33.4 28.0 42.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.158 ppbv
RT: 14.59 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL032839.D
Acq: 29 Nov 2018 18:00

Tgt Ion: 95 Resp: 2625257
Ion Ratio Lower Upper
95 100
174 67.0 50.7 76.1
175 5.0 3.8 5.6

