

Data File : VL032756.D
Acq On : 14 Nov 2018 13:03
Operator : SY/AP
Sample : J5891-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IASC1DL

Quant Time: Nov 15 04:54:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-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	5.76	49	1645434	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	4157191	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3779207	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.58 95 2830305 10.01 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.10%

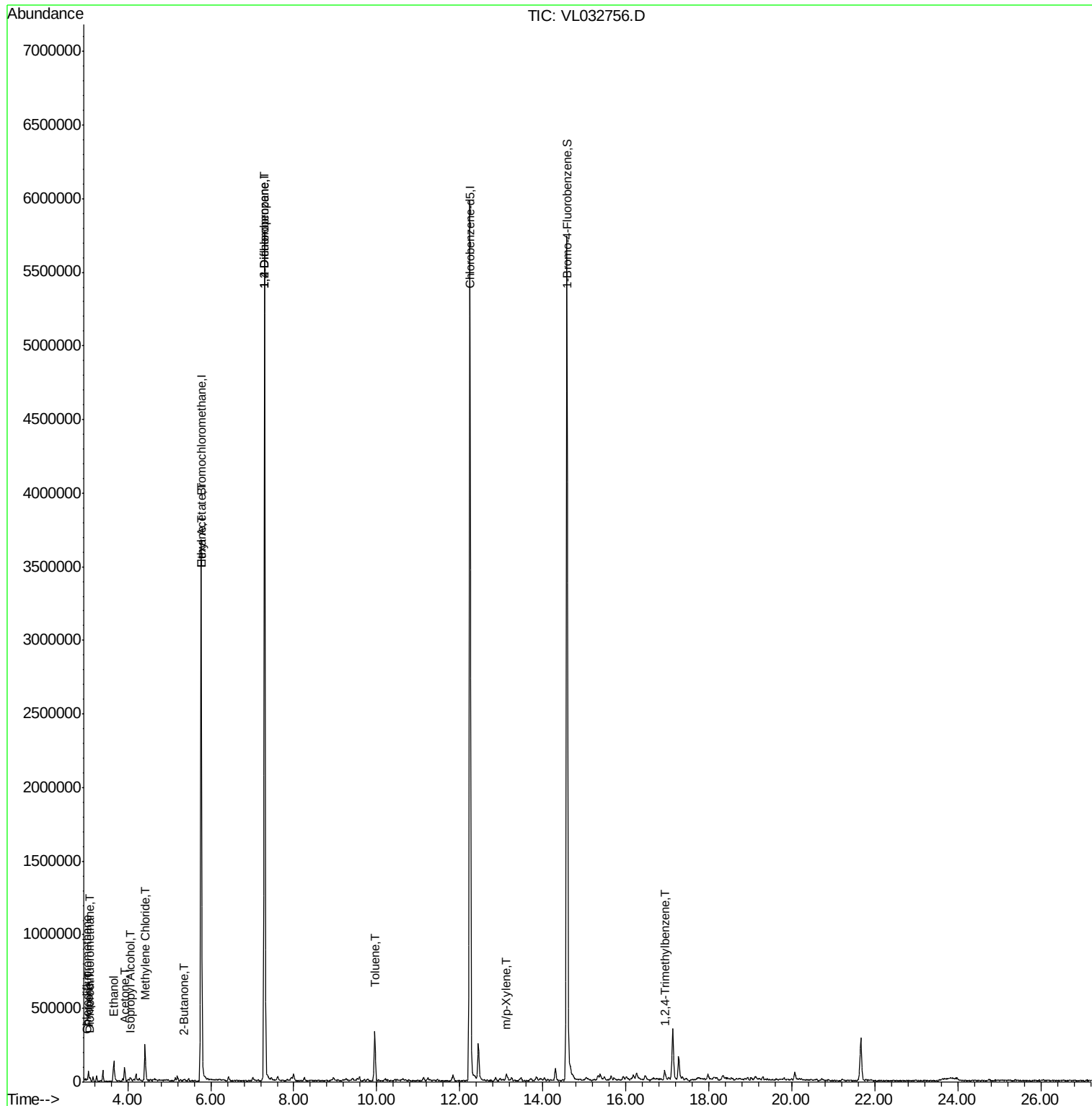
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	11177	0.047	ppbv	97
3) Chlorodifluoromethane	3.02	51	18049	0.138	ppbv #	82
9) Propene	3.06	41	14013	0.268	ppbv #	70
13) Ethanol	3.66	45	149943	8.769	ppbv	96
15) Acetone	3.92	43	77171	0.514	ppbv	97
19) Isopropyl Alcohol	4.05	45	4546	0.045	ppbv #	1
20) Methylene Chloride	4.42	84	81543	1.048	ppbv	96
25) Ethyl Acetate	5.78	43	51304	0.146	ppbv #	82
26) Hexane	5.78	57	68437	0.439	ppbv #	44
34) 2-Butanone	5.36	43	9446	0.044	ppbv	97
39) 1,2-Dichloropropane	7.29	63	1038060	8.230	ppbv #	23
53) Toluene	9.95	91	231167	0.669	ppbv	100
59) m/p-Xylene	13.13	91	26776	0.066	ppbv #	59
74) 1,2,4-Trimethylbenzene	16.93	105	20631	0.044	ppbv #	63

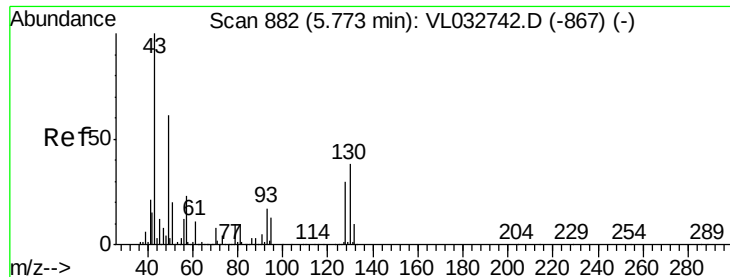
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032756.D

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Instrument :

MSVOA_L

ClientSampleId :

IASC1DL

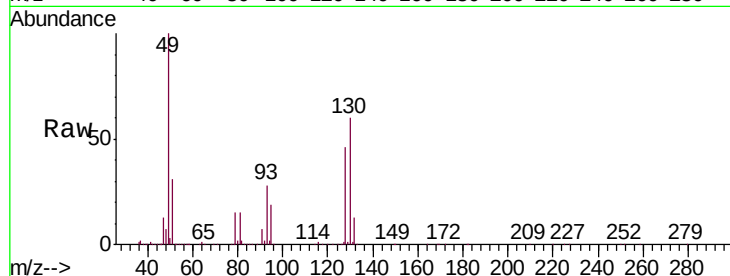
Tgt Ion: 49 Resp: 1645434

Ion Ratio Lower Upper

49 100

128 50.7 24.9 74.6

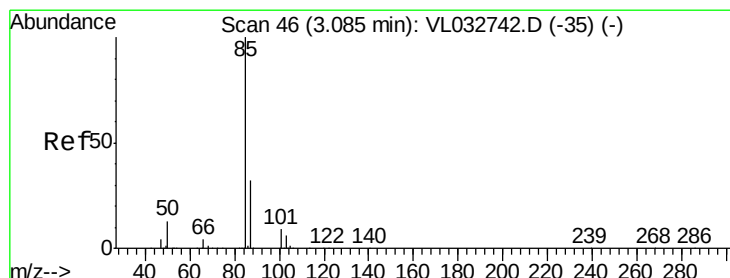
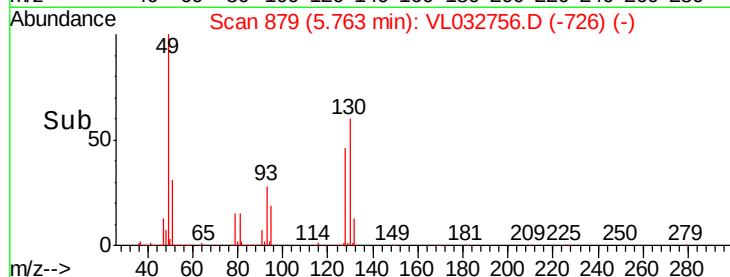
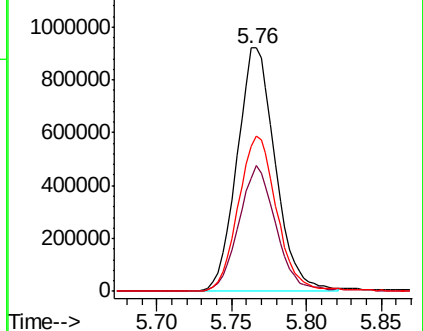
130 64.6 31.4 94.2



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: 0.047 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032756.D

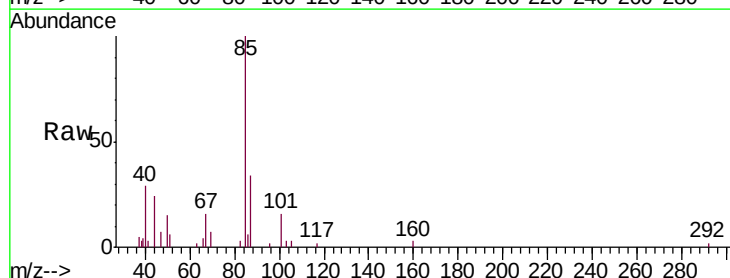
Acq: 14 Nov 2018 13:03

Tgt Ion: 85 Resp: 11177

Ion Ratio Lower Upper

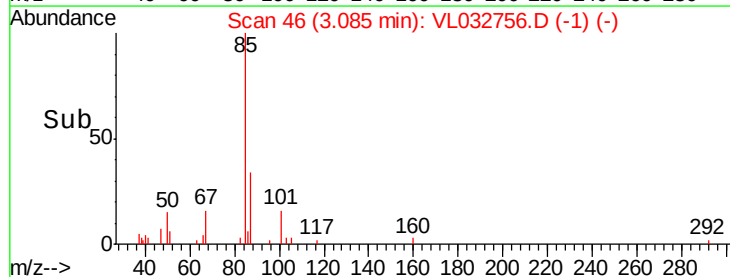
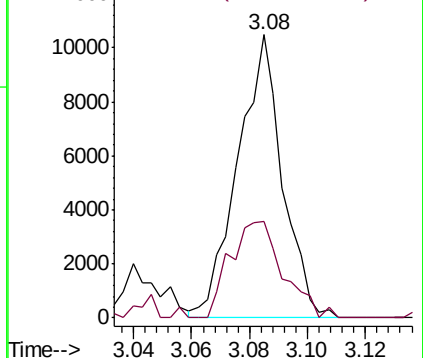
85 100

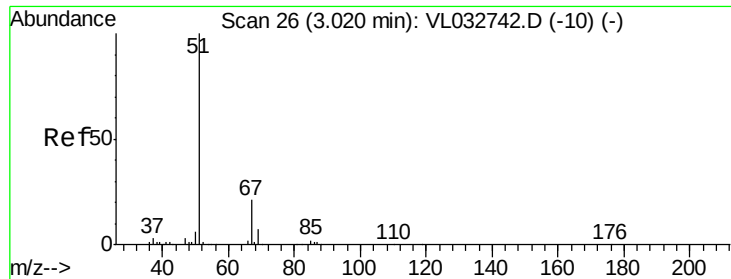
87 34.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.138 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032756.D

Acq: 14 Nov 2018 13:03

Instrument :

MSVOA_L

ClientSampleId :

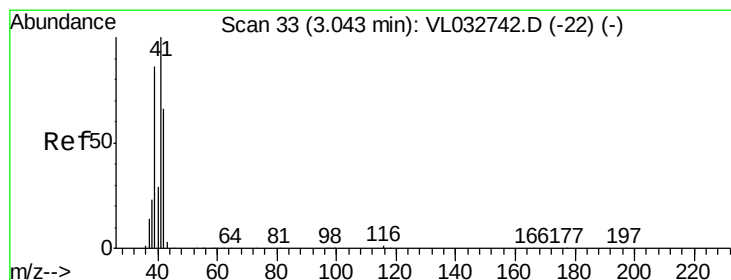
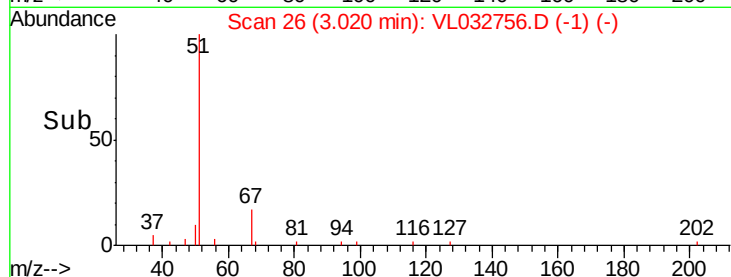
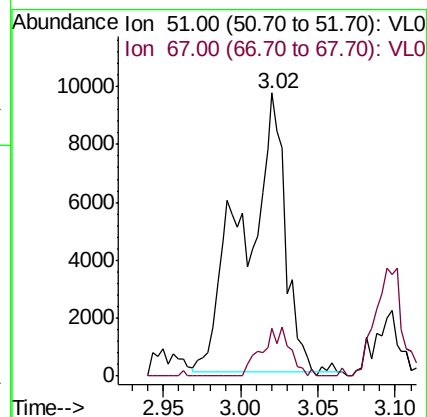
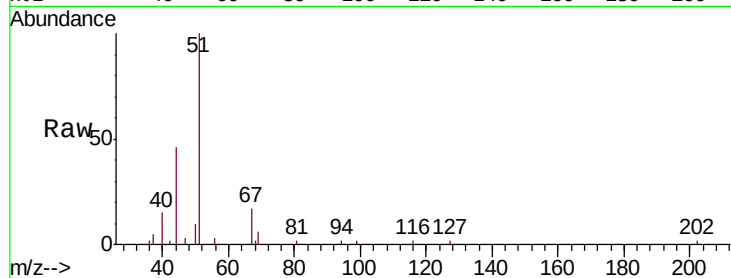
IASC1DL

Tgt Ion: 51 Resp: 18049

Ion Ratio Lower Upper

51 100

67 11.8 16.1 24.1#



#9

Propene

Concen: 0.268 ppbv

RT: 3.06 min Scan# 37

Delta R.T. 0.01 min

Lab File: VL032756.D

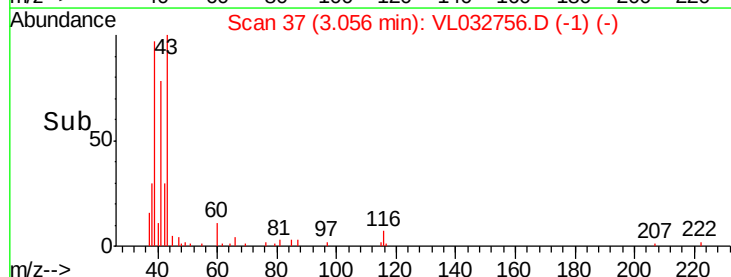
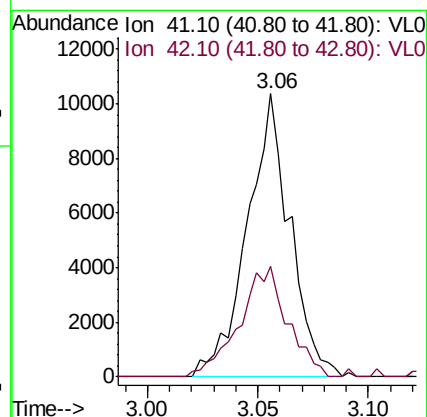
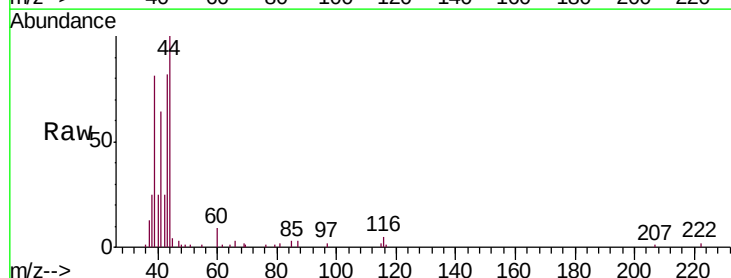
Acq: 14 Nov 2018 13:03

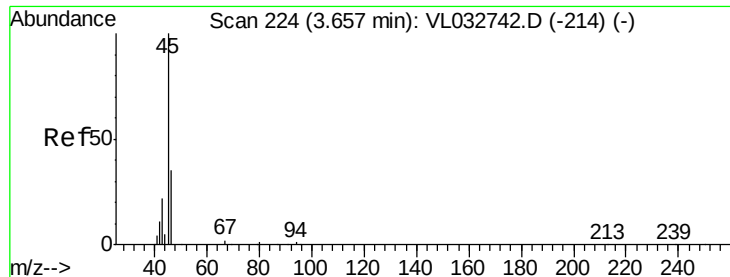
Tgt Ion: 41 Resp: 14013

Ion Ratio Lower Upper

41 100

42 44.2 55.0 82.6#





#13

Ethanol

Concen: 8.769 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032756.D

Acq: 14 Nov 2018 13:03

Instrument :

MSVOA_L

ClientSampleId :

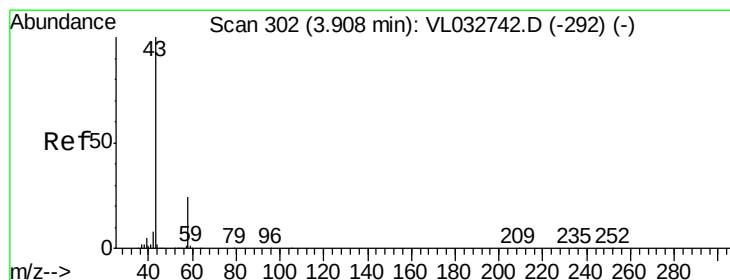
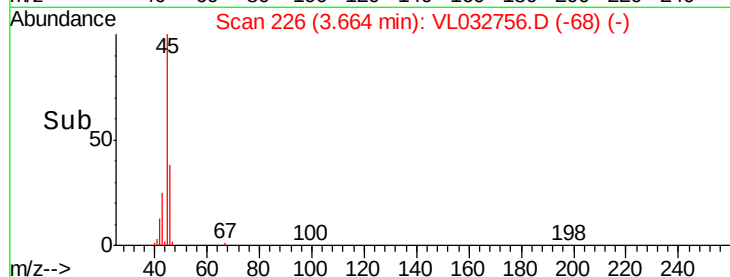
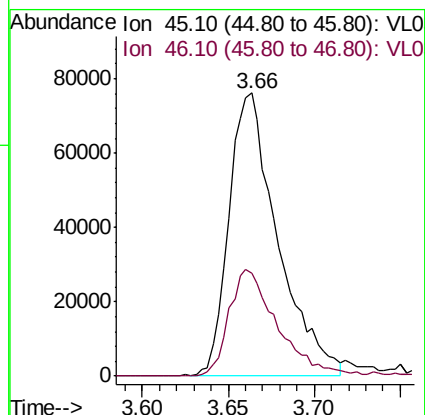
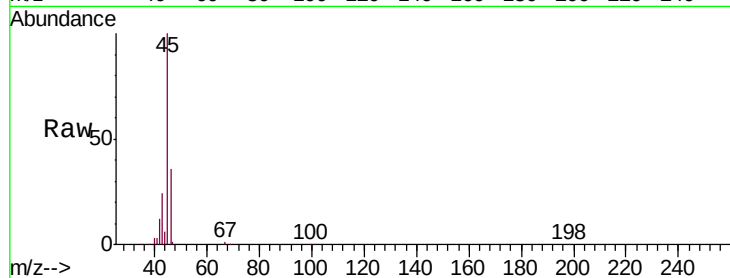
IASC1DL

Tgt Ion: 45 Resp: 149943

Ion Ratio Lower Upper

45 100

46 38.3 14.5 57.9



#15

Acetone

Concen: 0.514 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032756.D

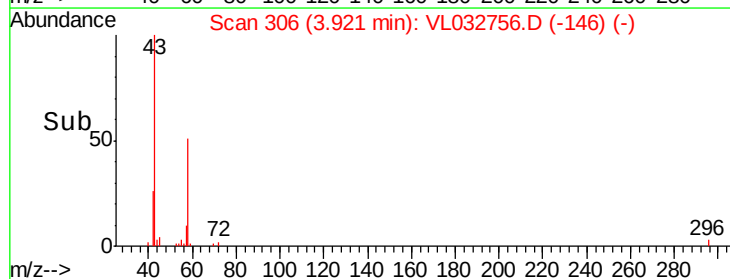
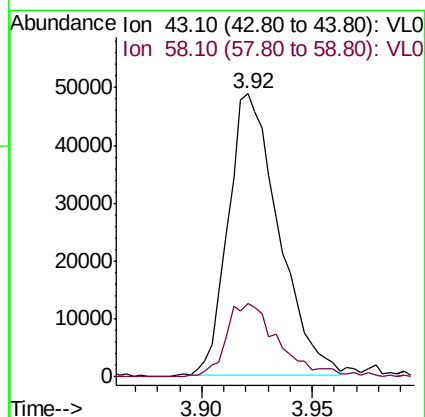
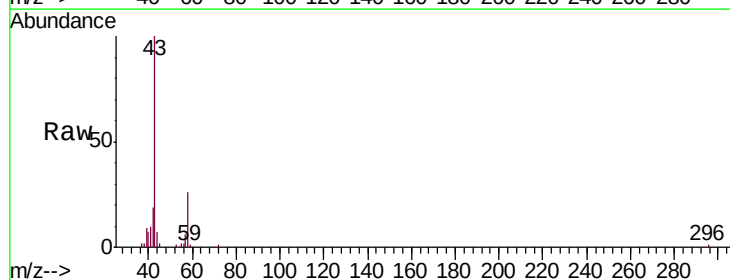
Acq: 14 Nov 2018 13:03

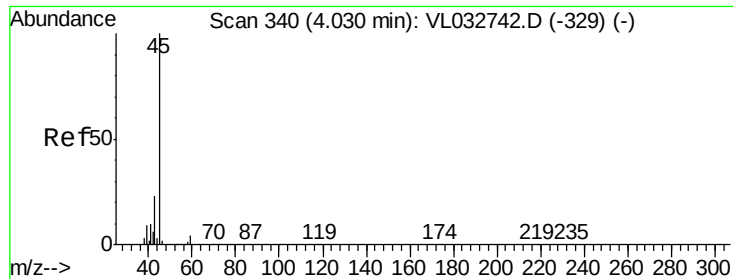
Tgt Ion: 43 Resp: 77171

Ion Ratio Lower Upper

43 100

58 27.9 21.1 31.7





#19

Isopropyl Alcohol

Concen: 0.045 ppbv

RT: 4.05 min Scan# 345

Delta R.T. 0.02 min

Lab File: VL032756.D

Acq: 14 Nov 2018 13:03

Instrument :

MSVOA_L

ClientSampleId :

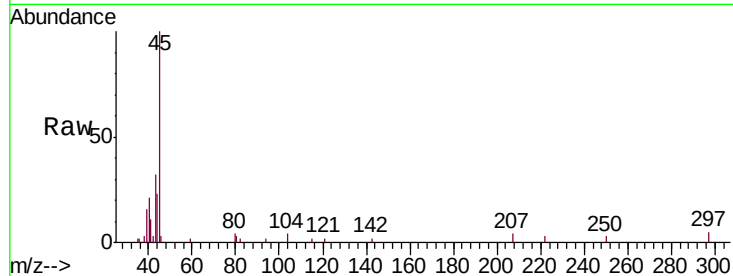
IASC1DL

Tgt Ion: 45 Resp: 4546

Ion Ratio Lower Upper

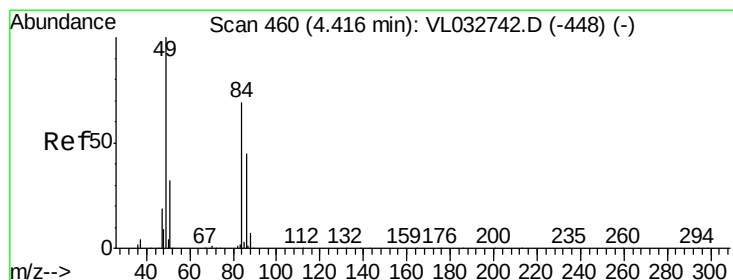
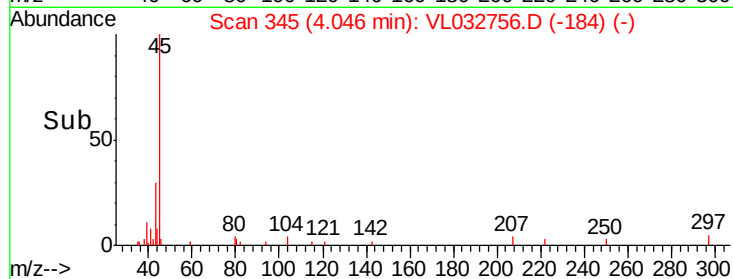
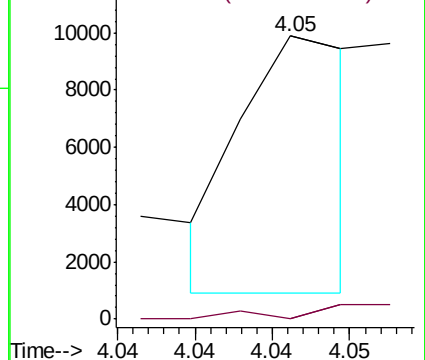
45 100

58 473.0 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.048 ppbv

RT: 4.42 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL032756.D

Acq: 14 Nov 2018 13:03

Tgt Ion: 84 Resp: 81543

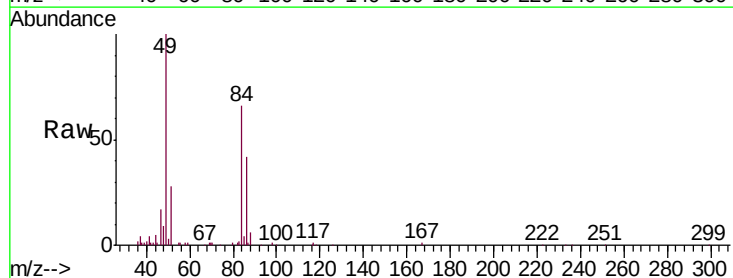
Ion Ratio Lower Upper

84 100

49 151.7 115.8 173.6

51 43.4 36.9 55.3

86 64.4 52.4 78.6

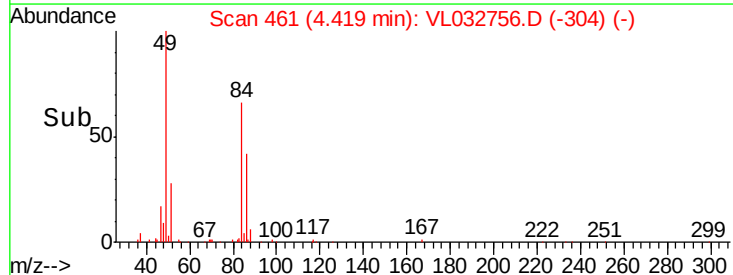
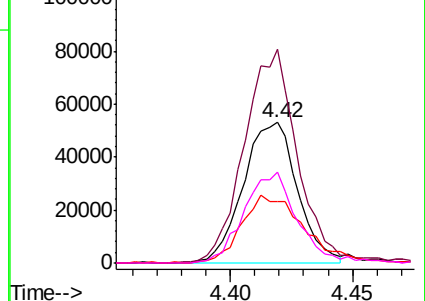


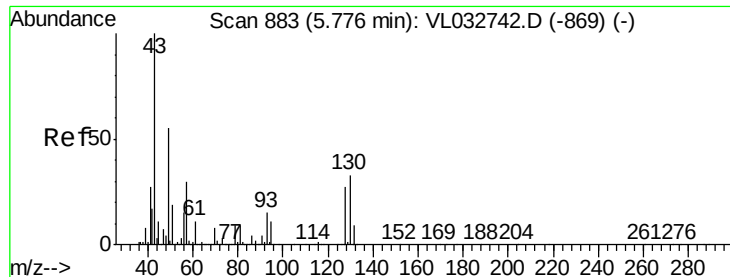
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

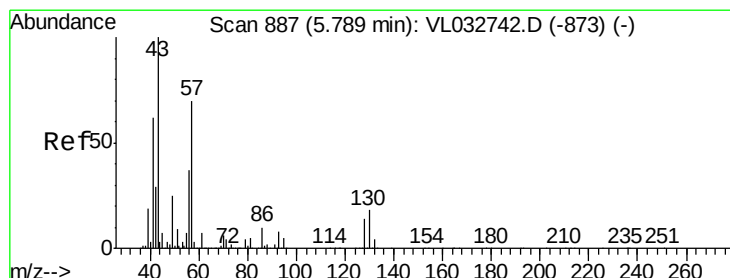
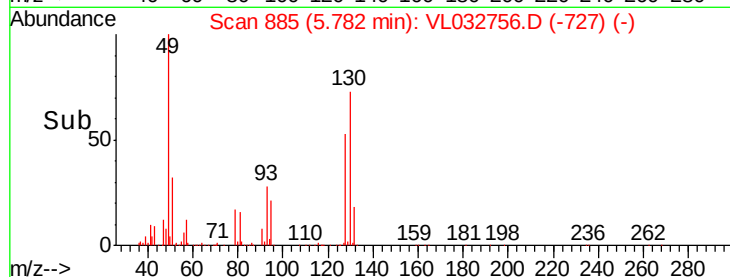
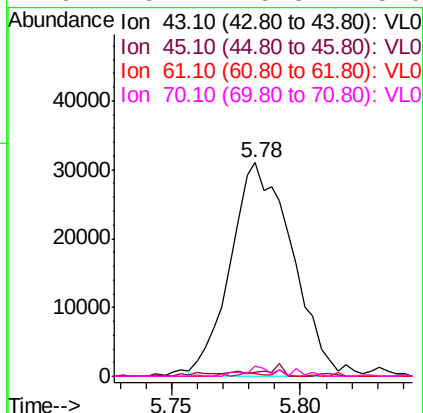
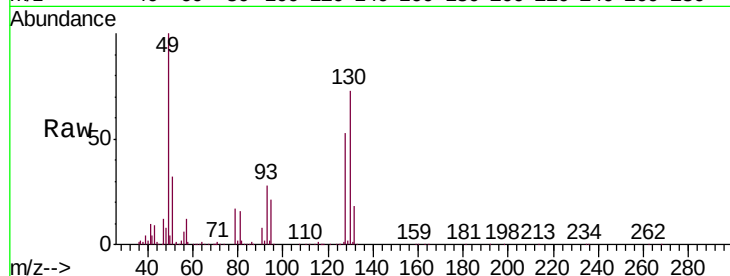




#25
Ethyl Acetate
Concen: 0.146 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL032756.D
Acq: 14 Nov 2018 13:03

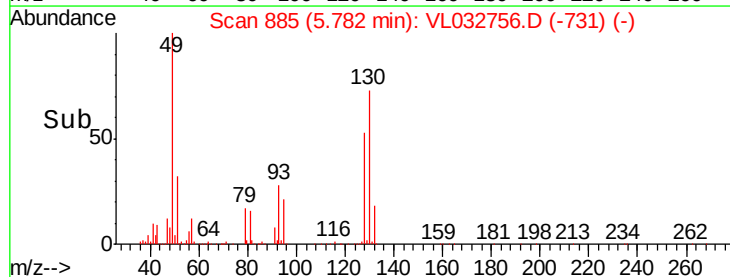
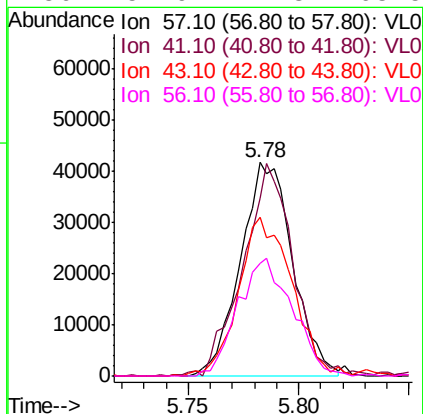
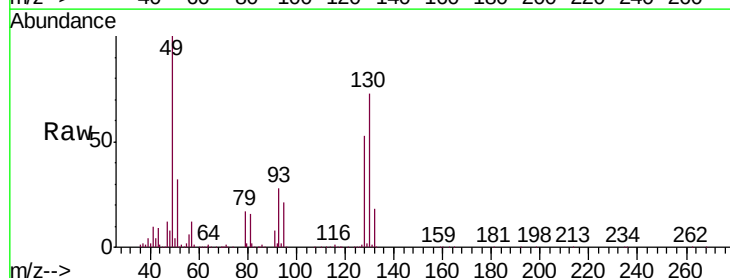
Instrument :
MSVOA_L
ClientSampleId :
IASC1DL

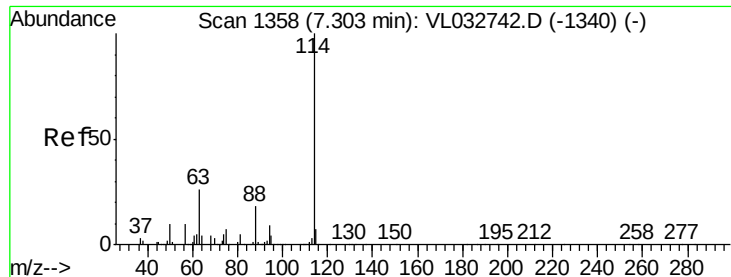
Tgt Ion:	43	Resp:	51304
Ion	Ratio	Lower	Upper
43	100		
45	3.5	7.9	11.9#
61	1.3	7.8	11.6#
70	3.2	5.8	8.6#



#26
Hexane
Concen: 0.439 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032756.D
Acq: 14 Nov 2018 13:03

Tgt Ion:	57	Resp:	68437
Ion	Ratio	Lower	Upper
57	100		
41	95.6	70.3	105.5
43	77.7	174.0	261.0#
56	57.9	42.3	63.5

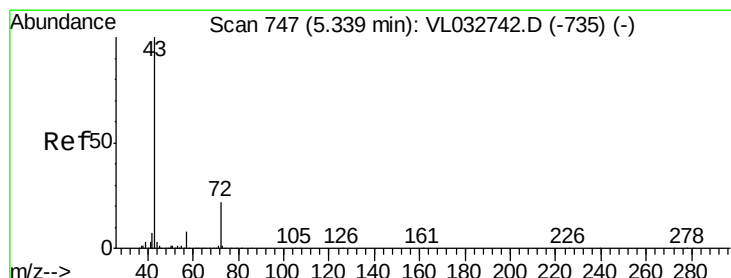
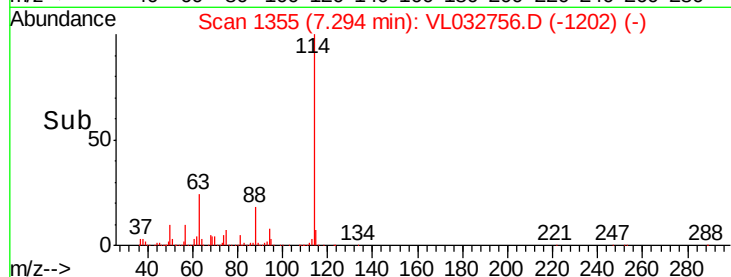
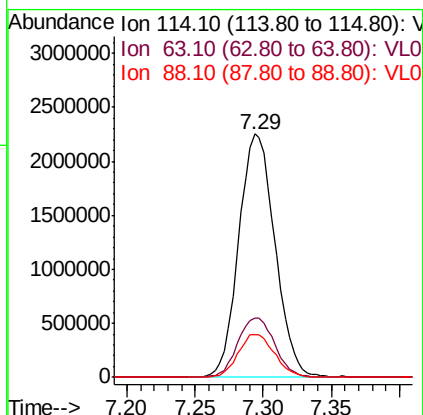
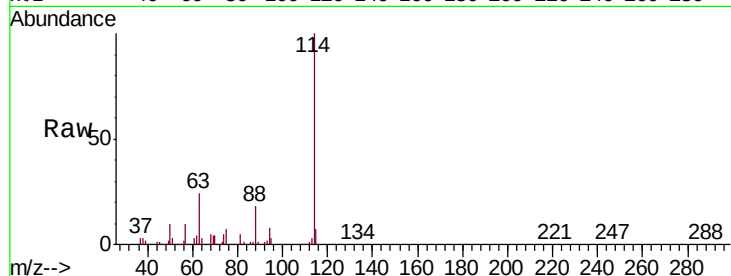




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032756.D
 Acq: 14 Nov 2018 13:03

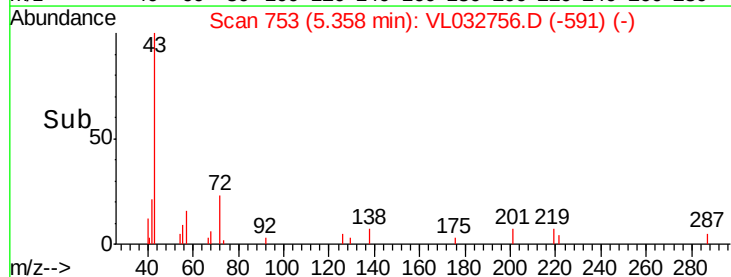
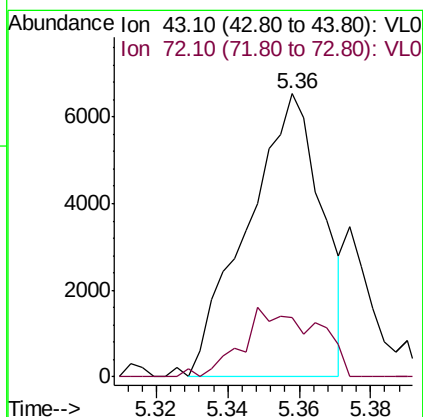
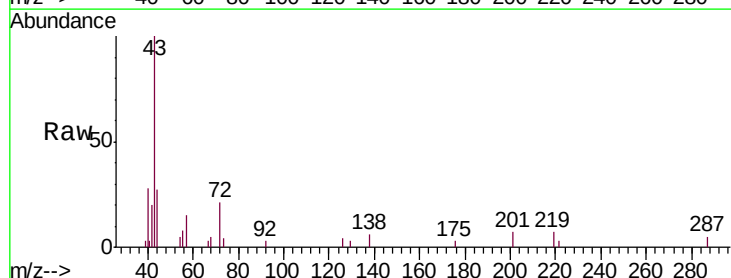
Instrument :
 MSVOA_L
 ClientSampleID :
 IASC1DL

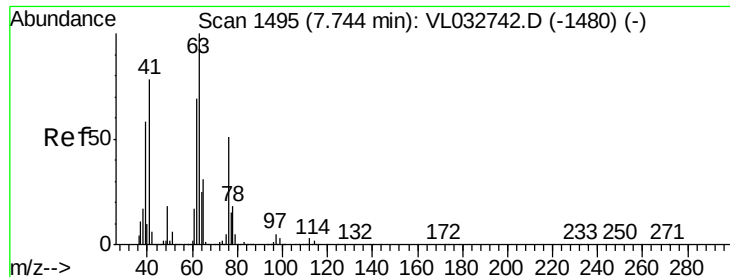
Tgt Ion:114 Resp: 4157191
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.9 31.3
 88 17.8 14.4 21.6



#34
 2-Butanone
 Concen: 0.044 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. 0.02 min
 Lab File: VL032756.D
 Acq: 14 Nov 2018 13:03

Tgt Ion: 43 Resp: 9446
 Ion Ratio Lower Upper
 43 100
 72 24.3 18.4 27.6





#39

1,2-Dichloropropane

Concen: 8.230 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032756.D

Acq: 14 Nov 2018 13:03

Instrument :

MSVOA_L

ClientSampleId :

IASC1DL

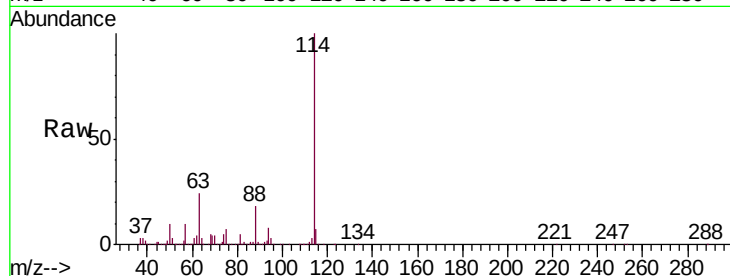
Tgt Ion: 63 Resp: 1038060

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

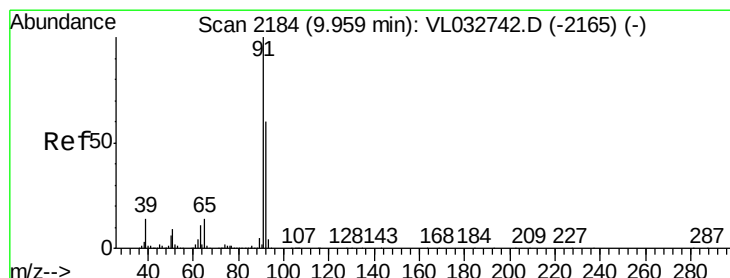
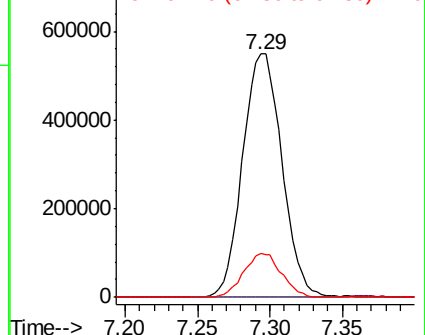
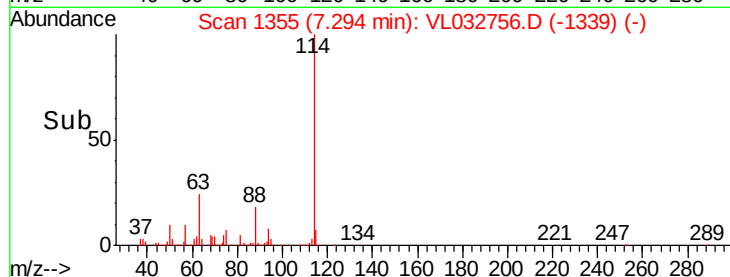
62 18.1 55.4 83.2#



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: 0.669 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032756.D

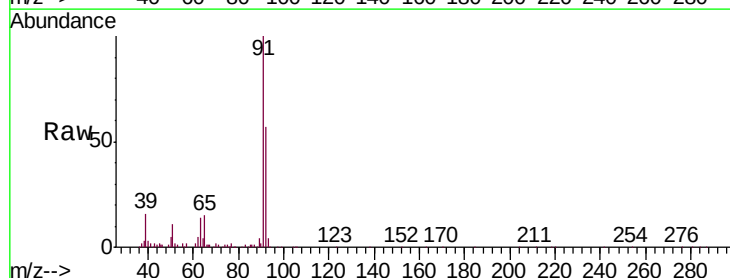
Acq: 14 Nov 2018 13:03

Tgt Ion: 91 Resp: 231167

Ion Ratio Lower Upper

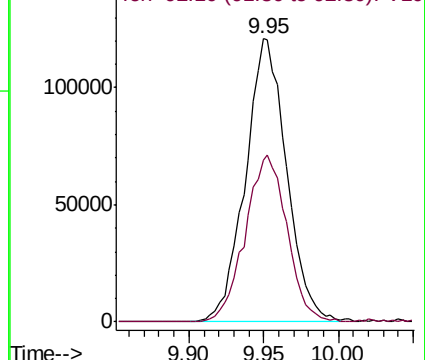
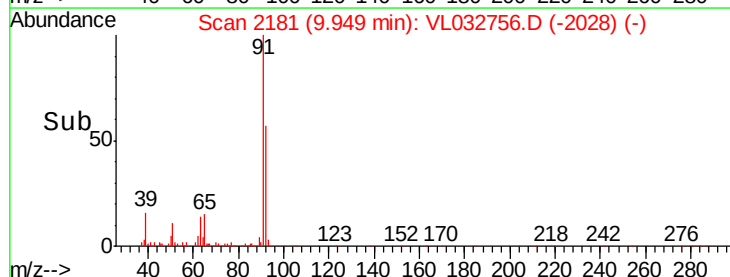
91 100

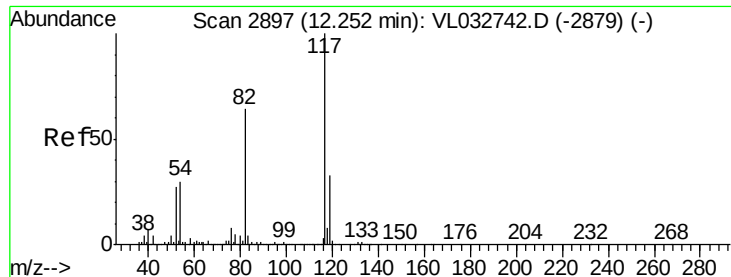
92 60.2 47.9 71.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

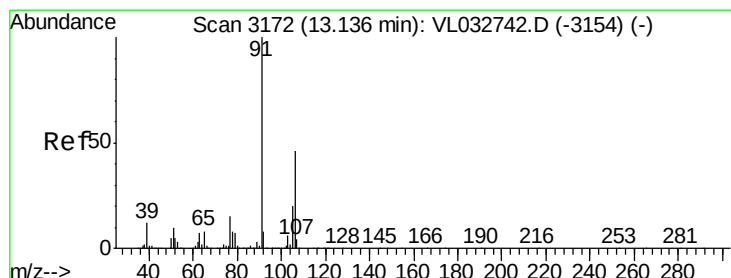
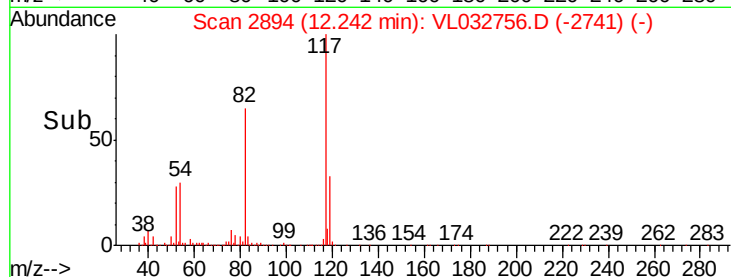
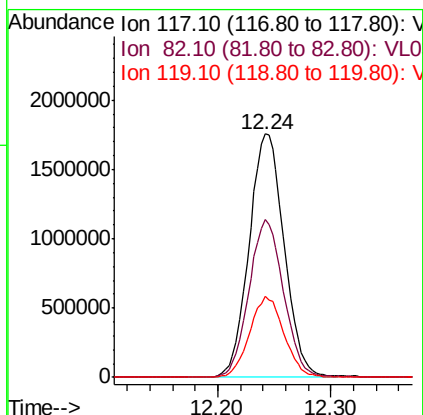
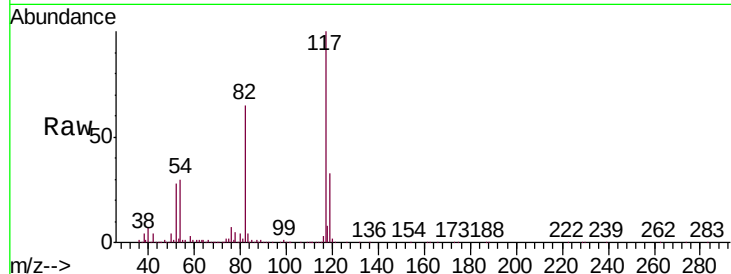




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032756.D
Acq: 14 Nov 2018 13:03

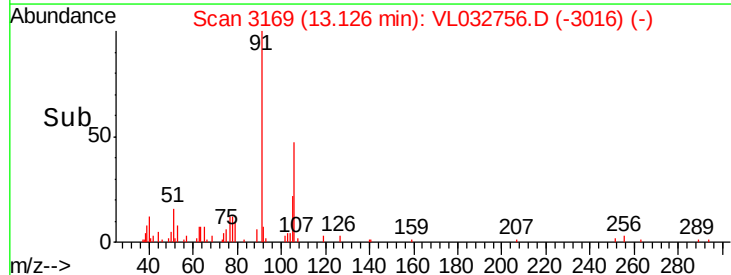
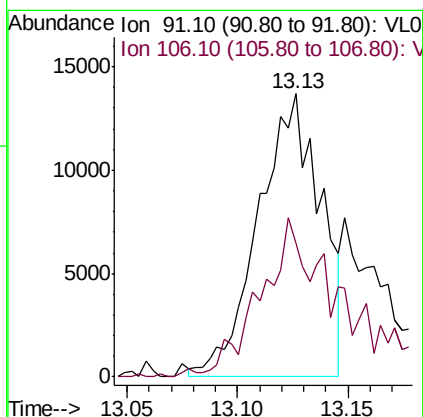
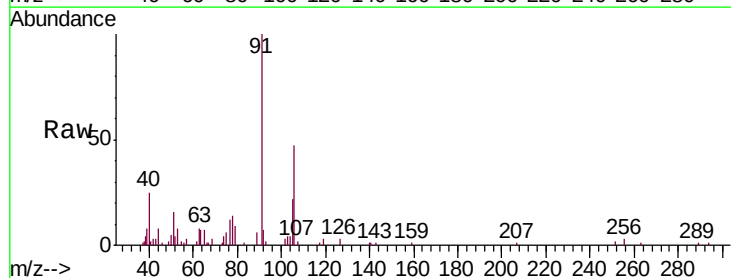
Instrument :
MSVOA_L
ClientSampleId :
IASC1DL

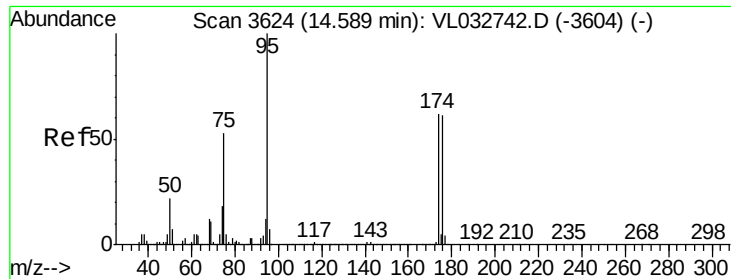
Tgt Ion:117 Resp: 3779207
Ion Ratio Lower Upper
117 100
82 64.7 51.0 76.6
119 32.7 28.0 42.0



#59
m/p-Xylene
Concen: 0.066 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL032756.D
Acq: 14 Nov 2018 13:03

Tgt Ion: 91 Resp: 26776
Ion Ratio Lower Upper
91 100
106 71.6 36.1 54.1#

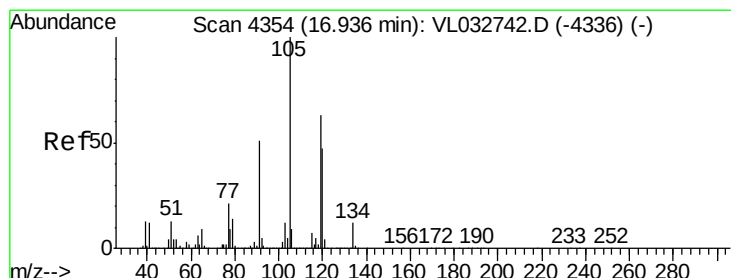
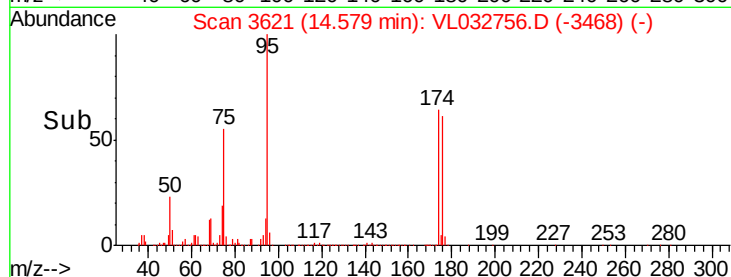
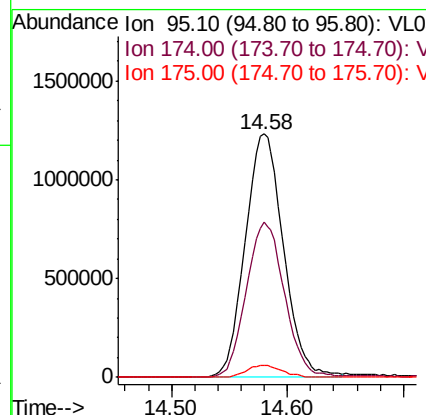
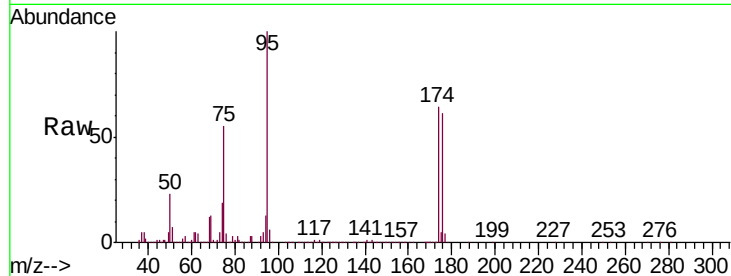




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.013 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032756.D
 Acq: 14 Nov 2018 13:03

Instrument :
 MSVOA_L
 ClientSampleId :
 IASC1DL

Tgt Ion: 95 Resp: 2830305
 Ion Ratio Lower Upper
 95 100
 174 64.2 50.7 76.1
 175 4.8 3.8 5.6



#74
 1,2,4-Trimethylbenzene
 Concen: 0.044 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.01 min
 Lab File: VL032756.D
 Acq: 14 Nov 2018 13:03

Tgt Ion: 105 Resp: 20631
 Ion Ratio Lower Upper
 105 100
 120 35.8 37.6 56.4#
 91 7.9 42.5 63.7#
 77 13.7 17.4 26.2#

