

Data File : VL032672.D
Acq On : 19 Oct 2018 7:01
Operator : SY/AP
Sample : J5581-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-2DL

Quant Time: Oct 19 07:58:03 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 01:25:37 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	5.77	49	1535628	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3709839	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3686823	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.59 95 2746713 10.01 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 100.10%

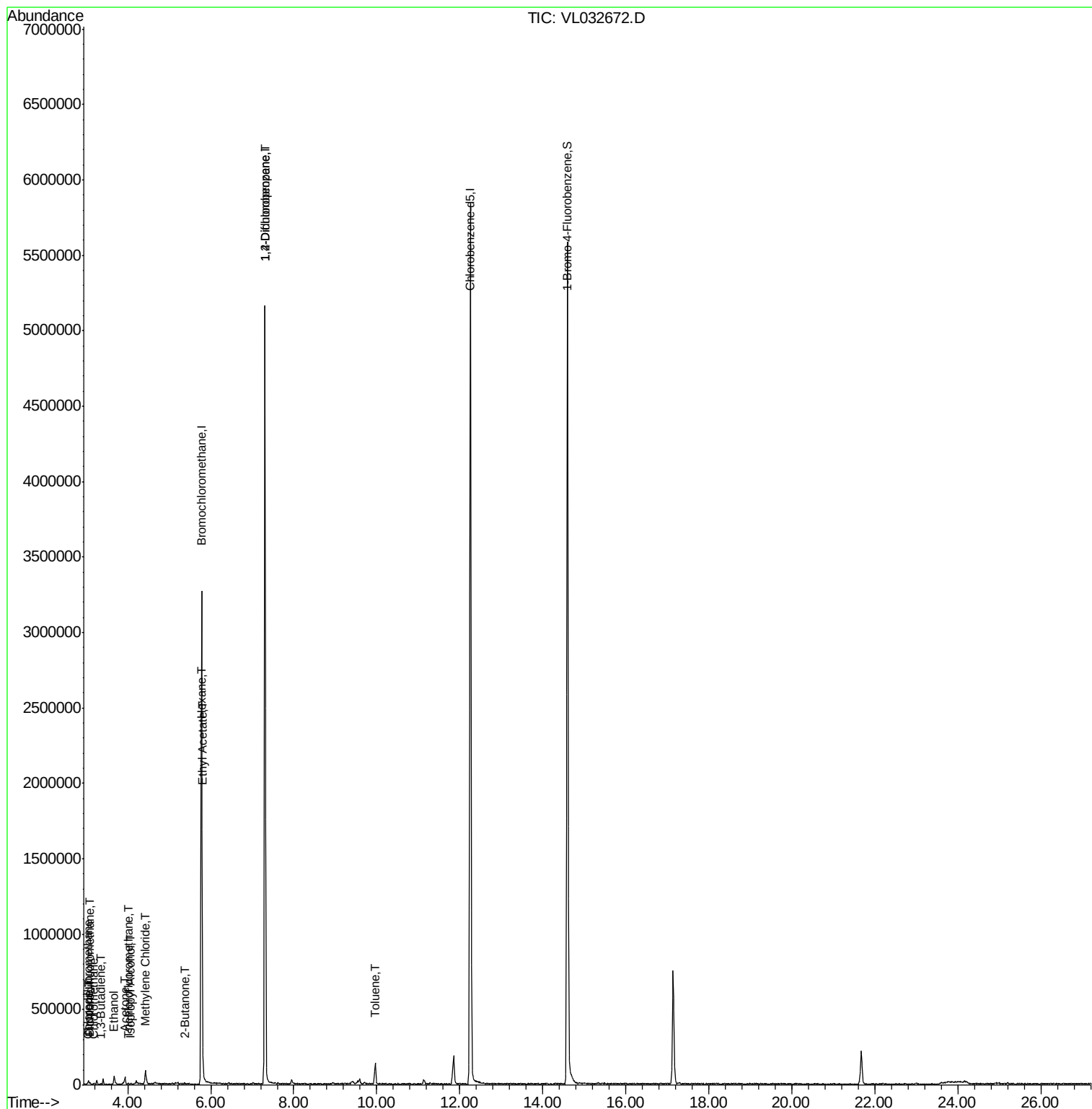
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	10752	0.069	ppbv	98
3) Chlorodifluoromethane	3.03	51	6831	0.057	ppbv	99
4) Chloromethane	3.18	50	3576	0.053	ppbv #	83
9) Propene	3.05	41	1835	0.037	ppbv #	15
11) Trichlorofluoromethane	4.02	101	4529	0.022	ppbv	95
13) Ethanol	3.67	45	55965	3.962	ppbv	98
15) Acetone	3.93	43	45906	0.324	ppbv	99
16) 1,3-Butadiene	3.35	39	1632	0.031	ppbv #	1
19) Isopropyl Alcohol	4.07	45	4605	0.046	ppbv #	1
20) Methylene Chloride	4.42	84	14919	0.207	ppbv	95
25) Ethyl Acetate	5.80	43	44083	0.135	ppbv #	81
26) Hexane	5.80	57	56927	0.369	ppbv #	41
34) 2-Butanone	5.37	43	4838	0.024	ppbv #	73
39) 1,2-Dichloropropane	7.31	63	936605	8.051	ppbv #	26
53) Toluene	9.96	91	106827	0.309	ppbv	97

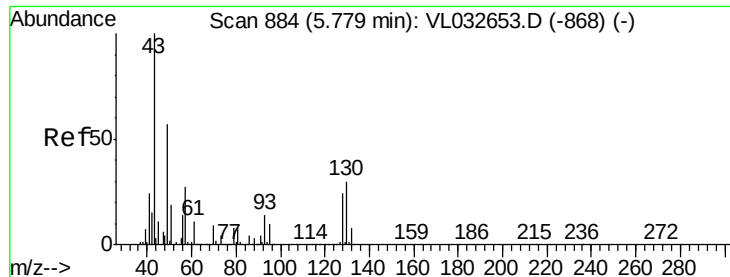
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL032672.D
Acq On : 19 Oct 2018 7:01
Operator : SY/AP
Sample : J5581-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-2DL

Quant Time: Oct 19 07:58:03 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 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

A-2DL

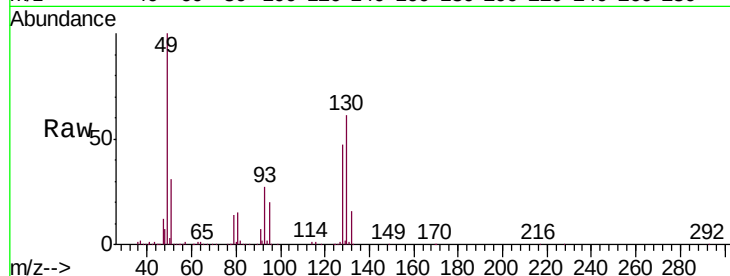
Tgt Ion: 49 Resp: 1535628

Ion Ratio Lower Upper

49 100

128 48.8 22.3 66.8

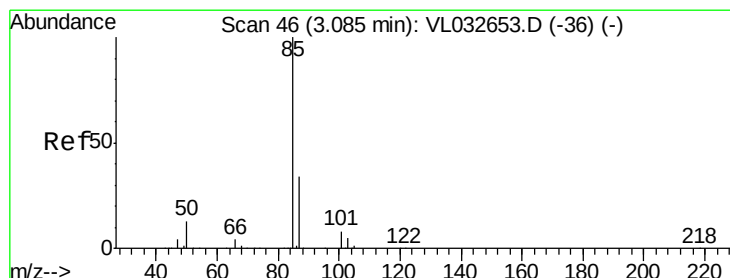
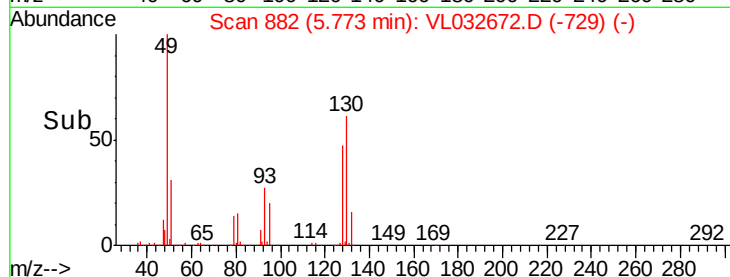
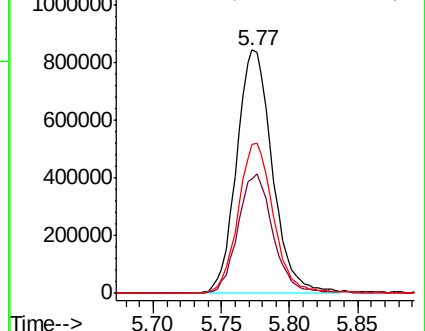
130 61.7 28.4 85.3



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: 0.069 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032672.D

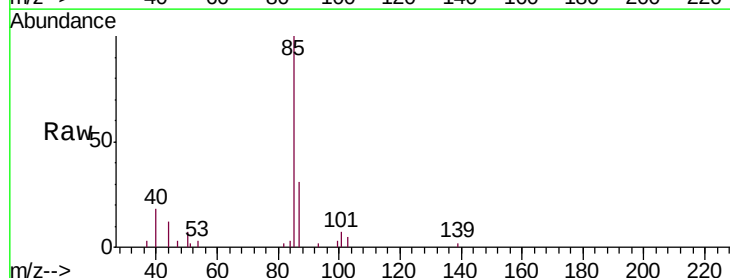
Acq: 19 Oct 2018 7:01

Tgt Ion: 85 Resp: 10752

Ion Ratio Lower Upper

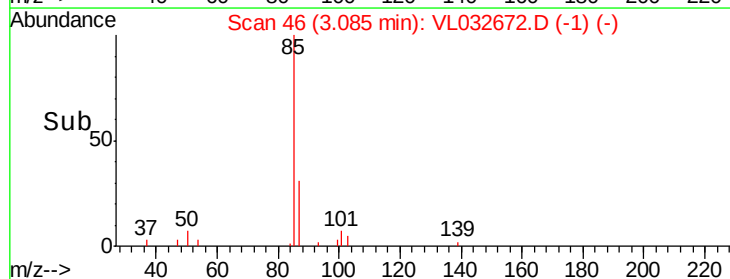
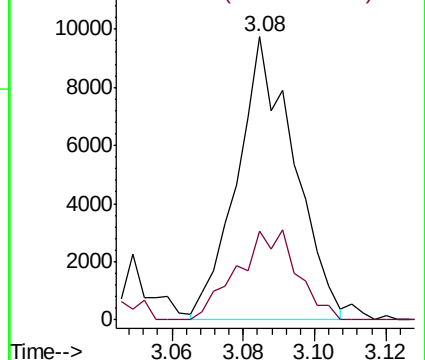
85 100

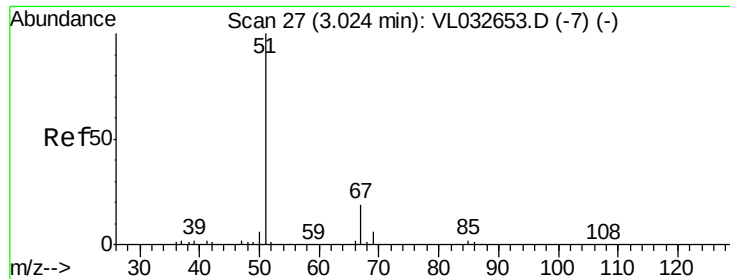
87 31.9 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.057 ppbv

RT: 3.03 min Scan# 28

Delta R.T. 0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

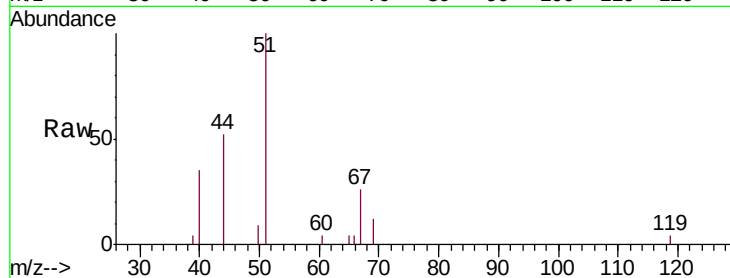
A-2DL

Tgt Ion: 51 Resp: 6831

Ion Ratio Lower Upper

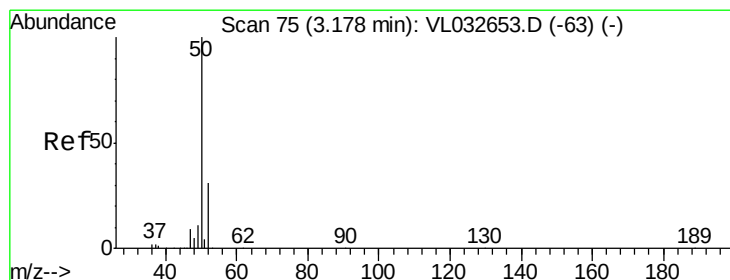
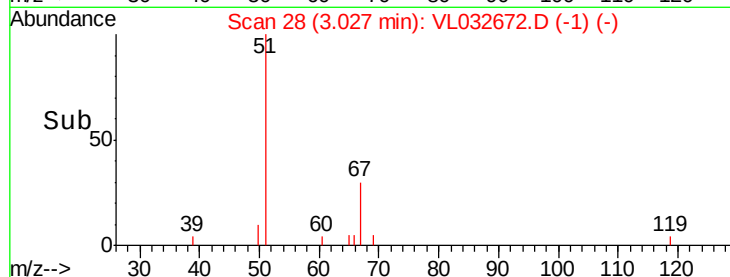
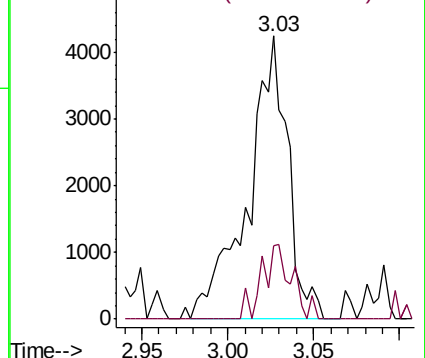
51 100

67 19.6 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.053 ppbv

RT: 3.18 min Scan# 77

Delta R.T. 0.01 min

Lab File: VL032672.D

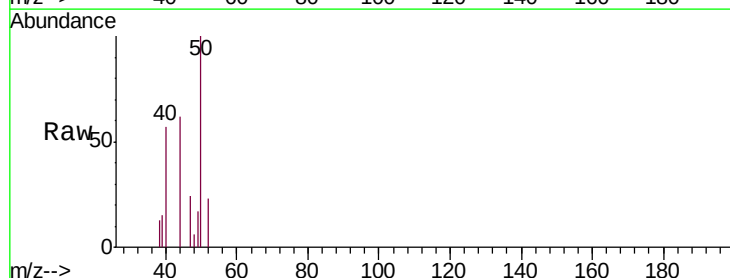
Acq: 19 Oct 2018 7:01

Tgt Ion: 50 Resp: 3576

Ion Ratio Lower Upper

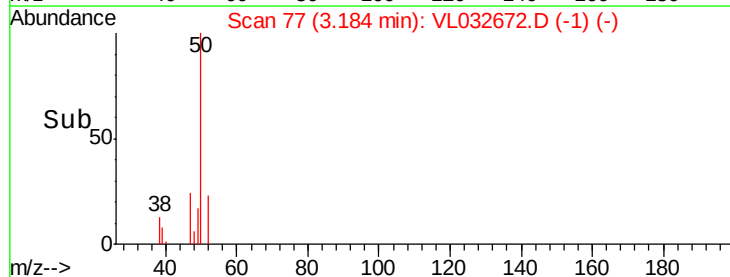
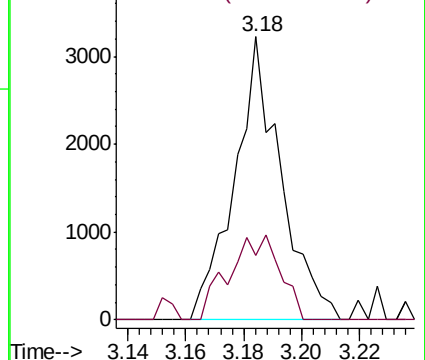
50 100

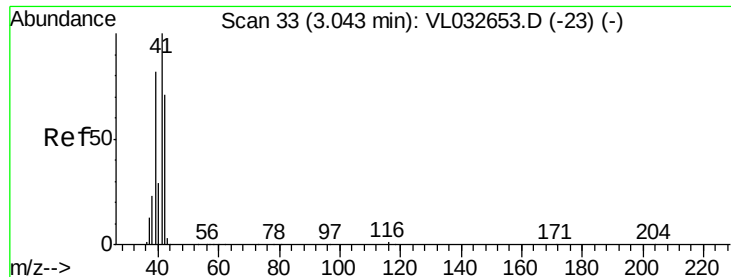
52 22.7 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.037 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

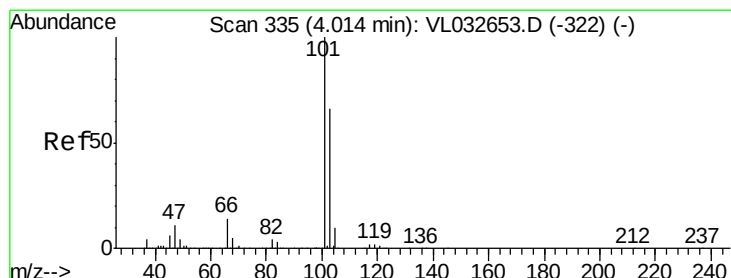
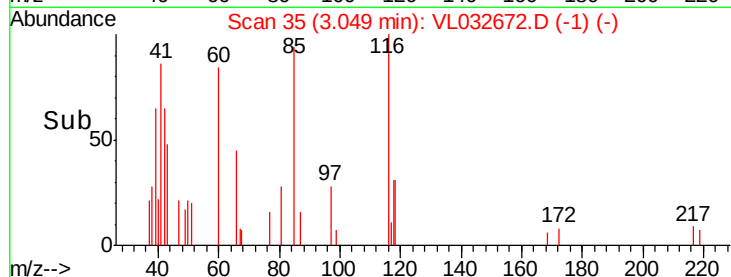
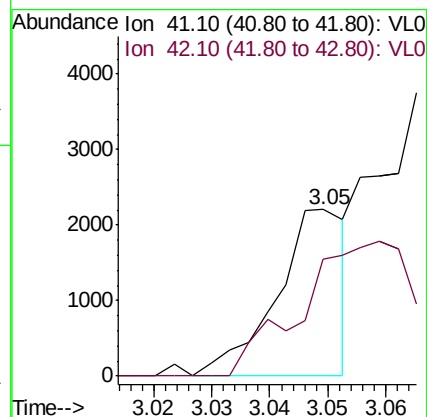
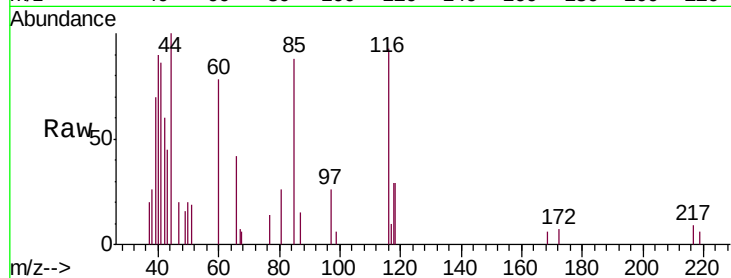
A-2DL

Tgt Ion: 41 Resp: 1835

Ion Ratio Lower Upper

41 100

42 0.0 55.4 83.0#



#11

Trichlorofluoromethane

Concen: 0.022 ppbv

RT: 4.02 min Scan# 336

Delta R.T. 0.00 min

Lab File: VL032672.D

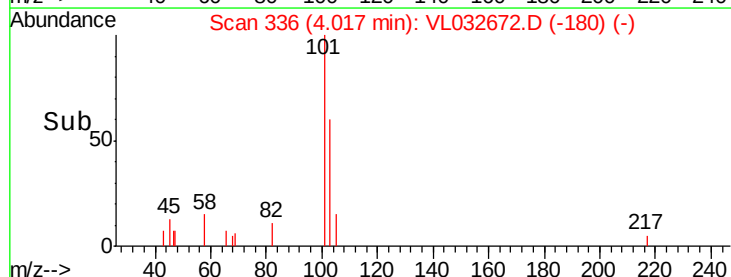
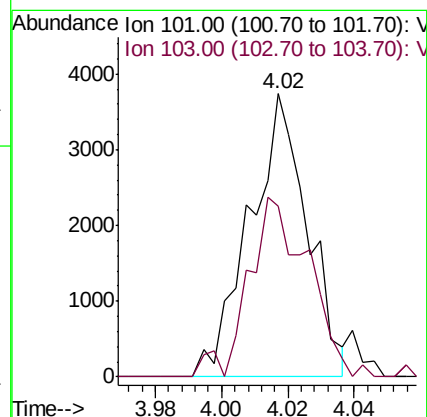
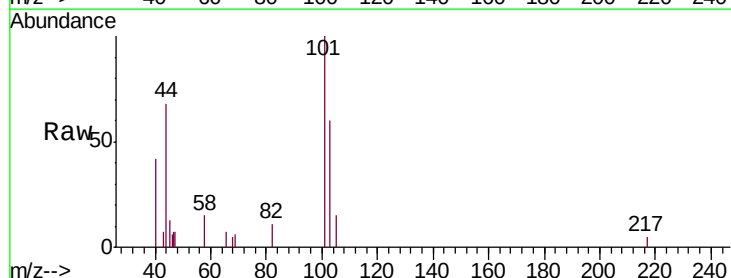
Acq: 19 Oct 2018 7:01

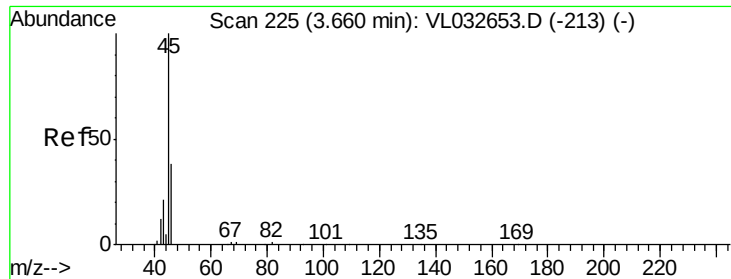
Tgt Ion: 101 Resp: 4529

Ion Ratio Lower Upper

101 100

103 60.1 51.4 77.2

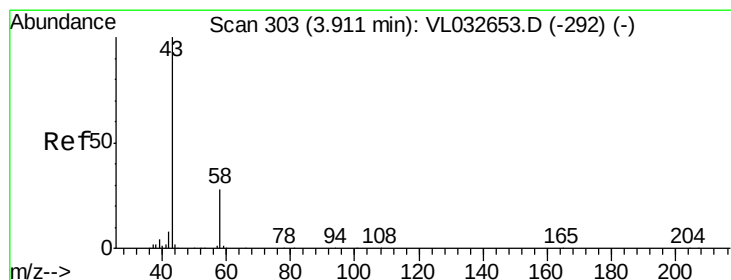
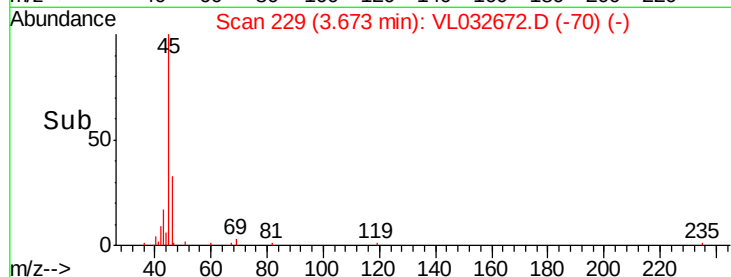
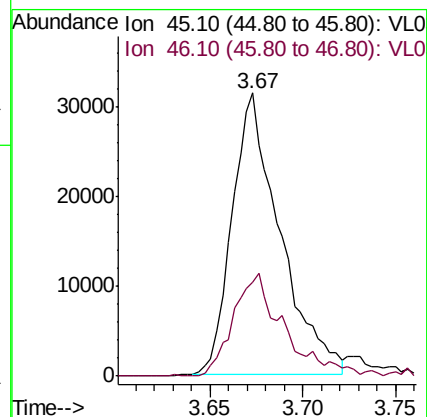
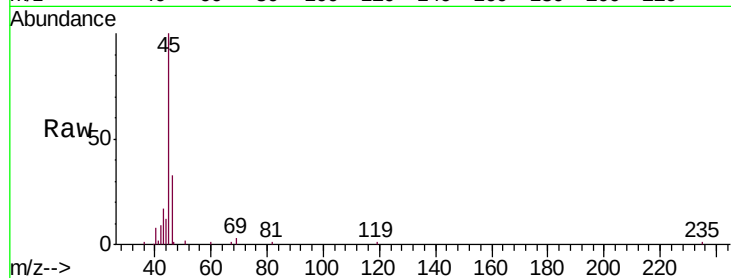




#13
Ethanol
Concen: 3.962 ppbv
RT: 3.67 min Scan# 229
Delta R.T. 0.01 min
Lab File: VL032672.D
Acq: 19 Oct 2018 7:01

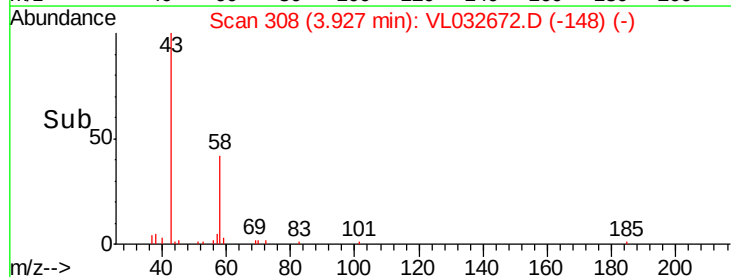
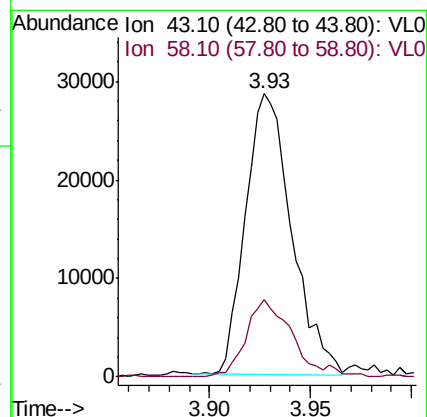
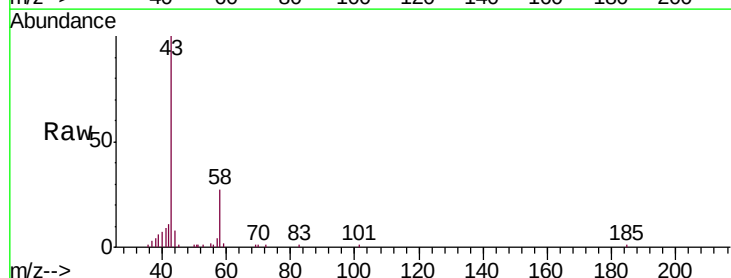
Instrument :
MSVOA_L
ClientSampleId :
A-2DL

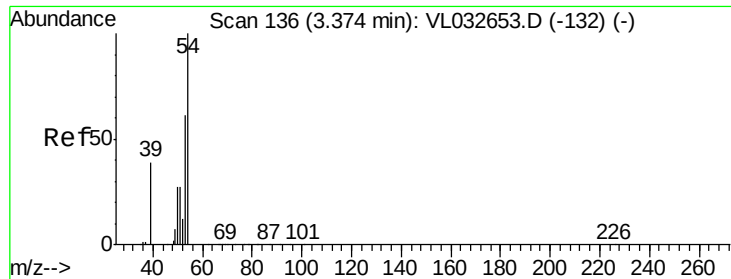
Tgt Ion: 45 Resp: 55965
Ion Ratio Lower Upper
45 100
46 39.6 15.4 61.8



#15
Acetone
Concen: 0.324 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.02 min
Lab File: VL032672.D
Acq: 19 Oct 2018 7:01

Tgt Ion: 43 Resp: 45906
Ion Ratio Lower Upper
43 100
58 27.9 22.1 33.1





#16

1,3-Butadiene

Concen: 0.031 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.03 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

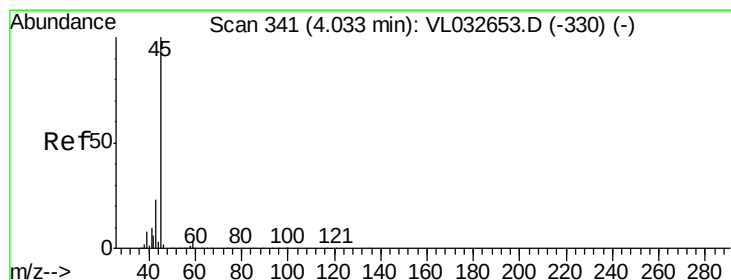
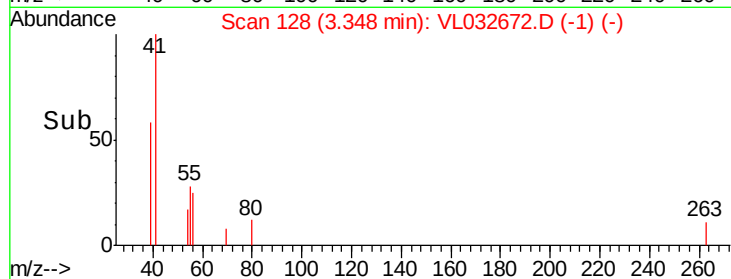
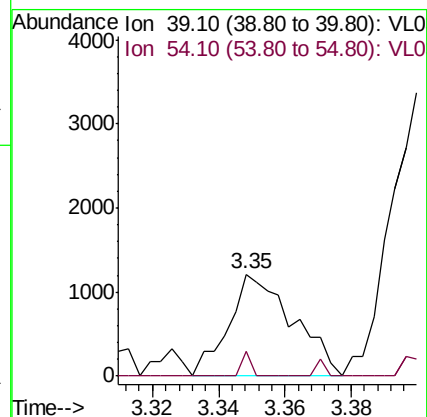
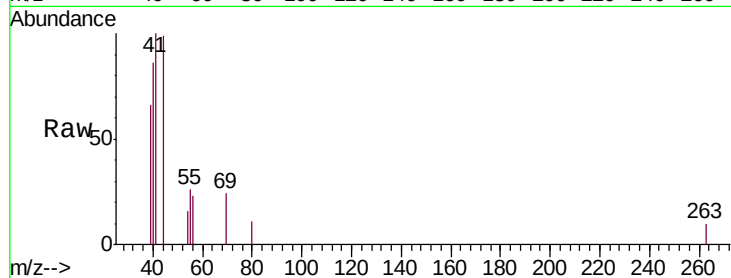
A-2DL

Tgt Ion: 39 Resp: 1632

Ion Ratio Lower Upper

39 100

54 0.0 90.4 135.6#



#19

Isopropyl Alcohol

Concen: 0.046 ppbv

RT: 4.07 min Scan# 351

Delta R.T. 0.03 min

Lab File: VL032672.D

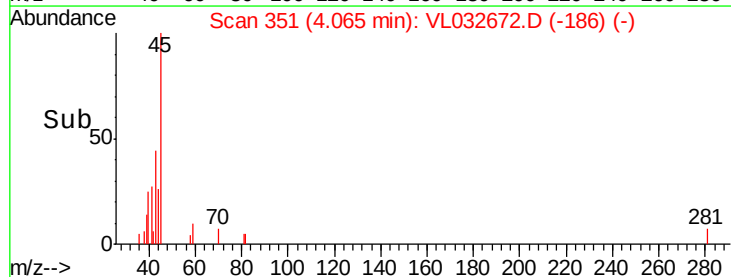
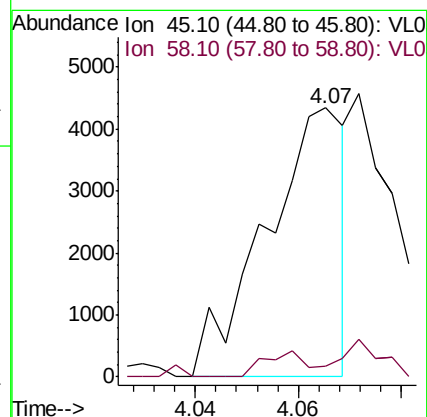
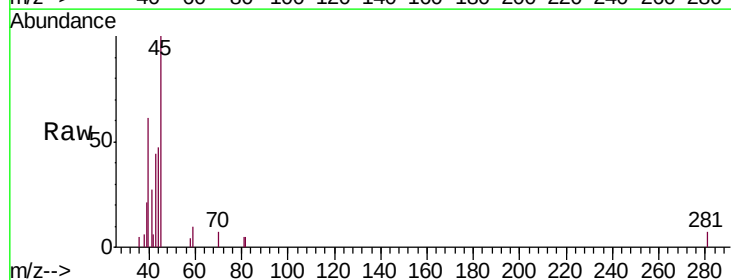
Acq: 19 Oct 2018 7:01

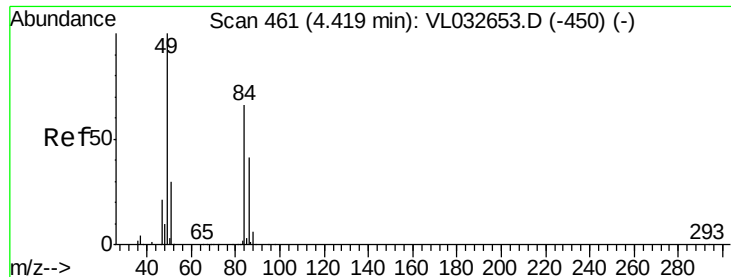
Tgt Ion: 45 Resp: 4605

Ion Ratio Lower Upper

45 100

58 278.2 2.0 3.0#

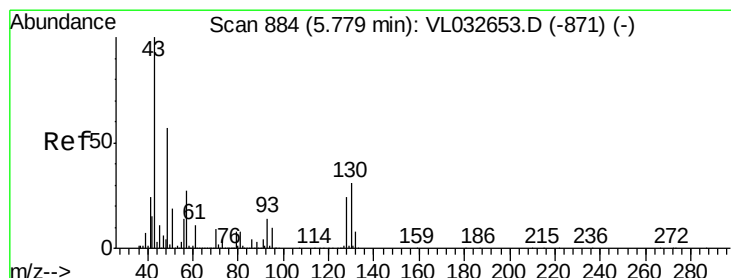
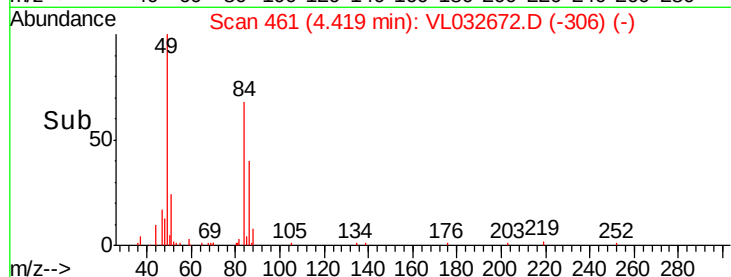
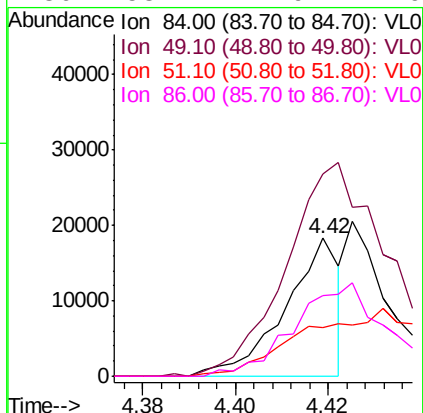
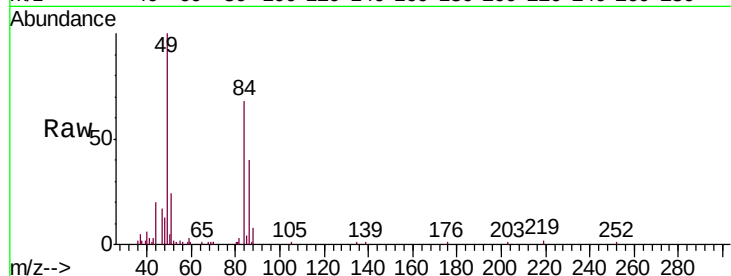




#20
Methylene Chloride
Concen: 0.207 ppbv
RT: 4.42 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL032672.D
Acq: 19 Oct 2018 7:01

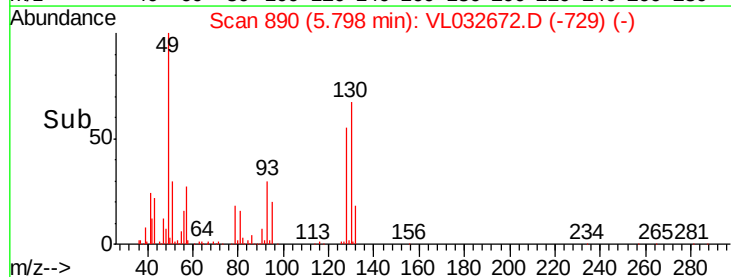
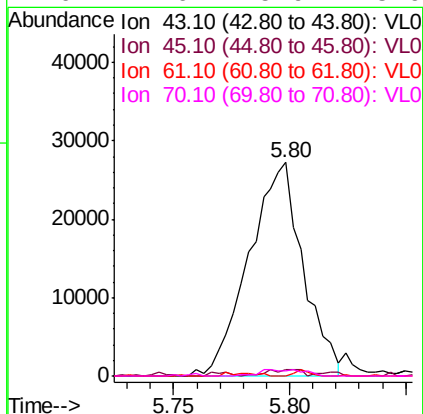
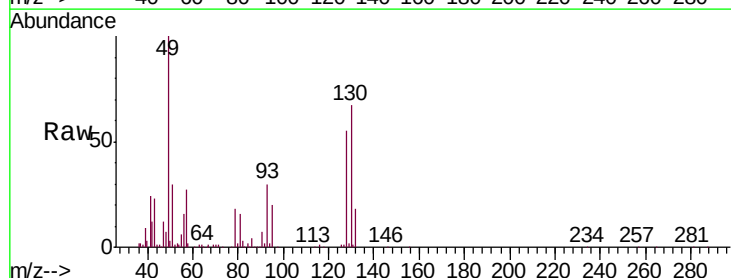
Instrument :
MSVOA_L
ClientSampleId :
A-2DL

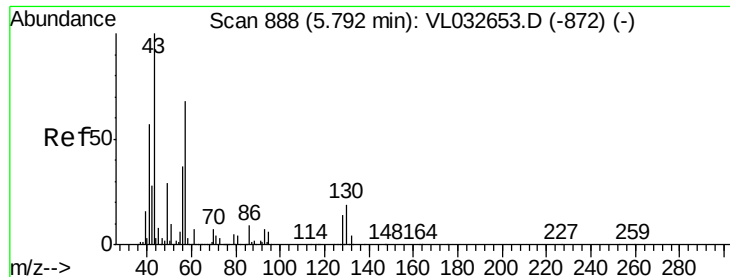
Tgt Ion:	84	Resp:	14919
Ion	Ratio	Lower	Upper
84	100		
49	146.4	113.5	170.3
51	35.4	34.8	52.2
86	58.4	47.9	71.9



#25
Ethyl Acetate
Concen: 0.135 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.02 min
Lab File: VL032672.D
Acq: 19 Oct 2018 7:01

Tgt Ion:	43	Resp:	44083
Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.0	12.0#
61	1.6	8.0	12.0#
70	2.6	5.9	8.9#

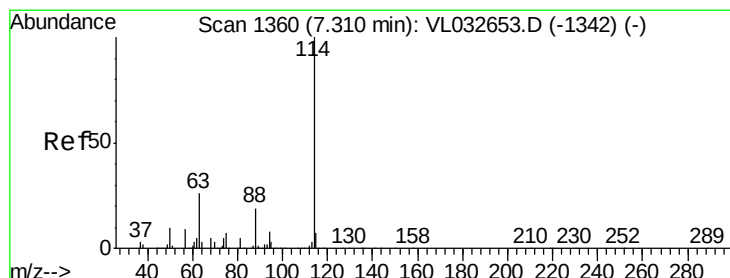
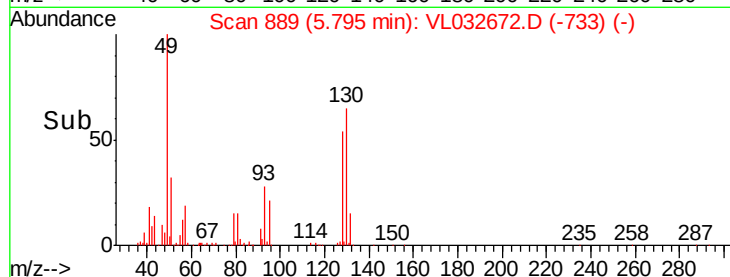
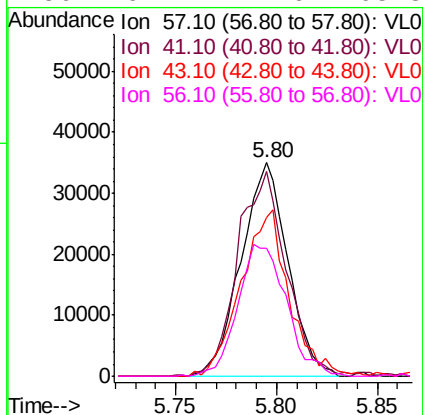
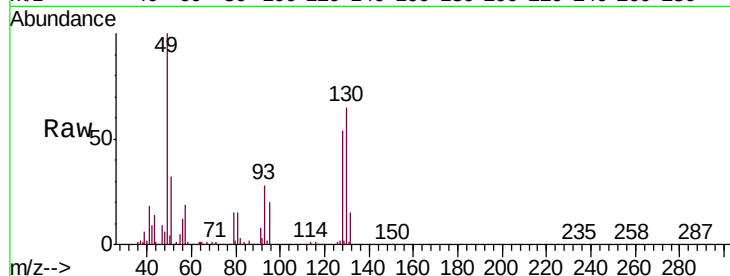




#26
Hexane
Concen: 0.369 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032672.D
Acq: 19 Oct 2018 7:01

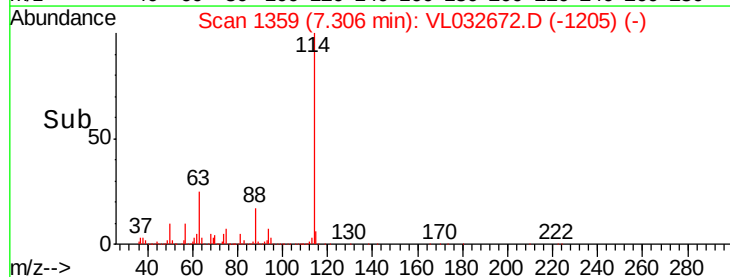
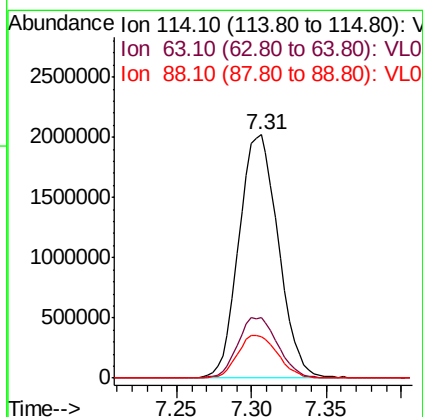
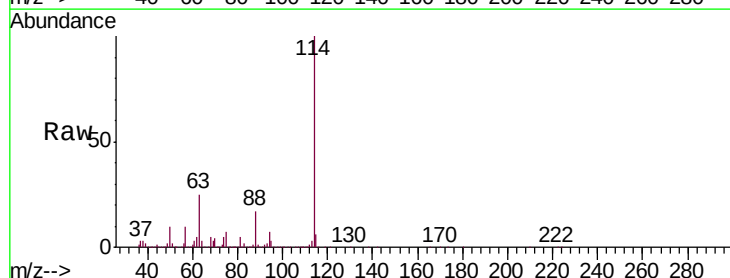
Instrument :
MSVOA_L
ClientSampleId :
A-2DL

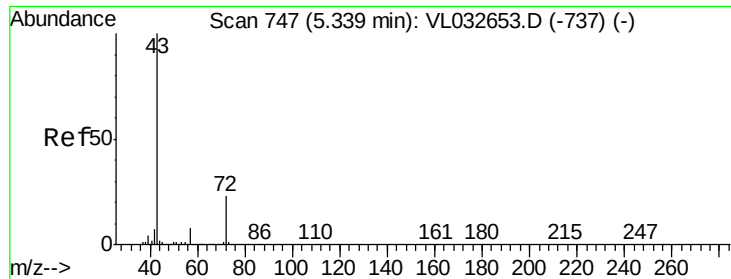
Tgt Ion: 57 Resp: 56927
Ion Ratio Lower Upper
57 100
41 101.0 67.4 101.0
43 80.4 171.9 257.9#
56 64.2 42.6 63.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.31 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL032672.D
Acq: 19 Oct 2018 7:01

Tgt Ion: 114 Resp: 3709839
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 17.9 14.9 22.3

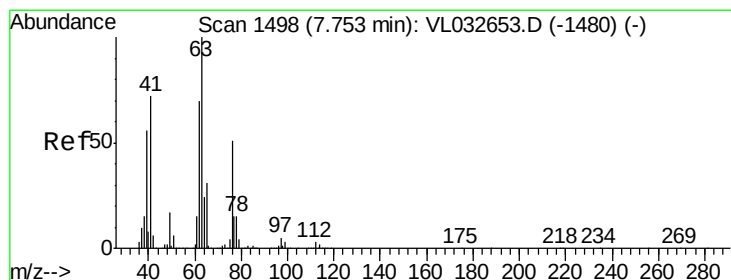
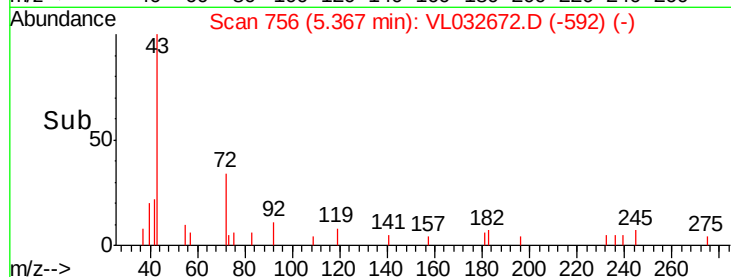
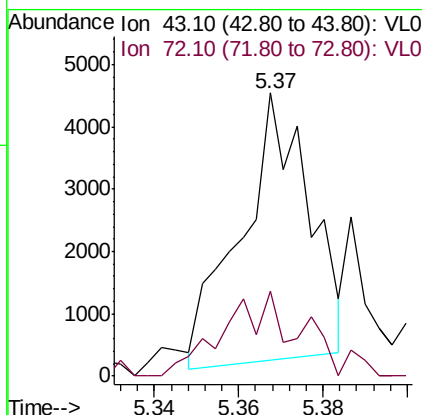
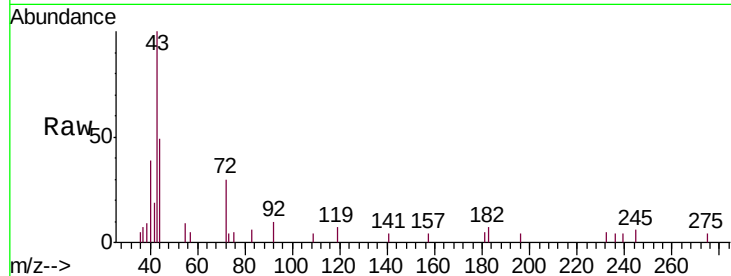




#34
 2-Butanone
 Concen: 0.024 ppbv
 RT: 5.37 min Scan# 756
 Delta R.T. 0.03 min
 Lab File: VL032672.D
 Acq: 19 Oct 2018 7:01

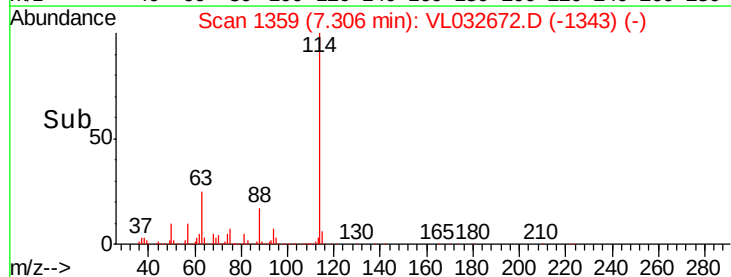
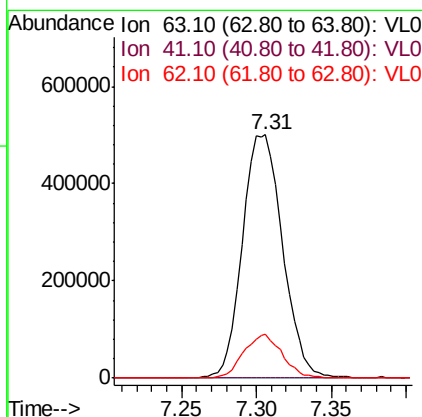
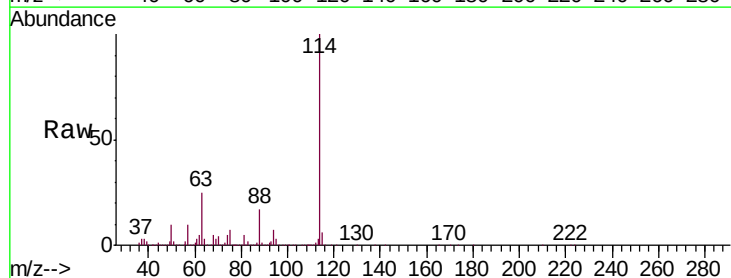
Instrument :
 MSVOA_L
 ClientSampleId :
 A-2DL

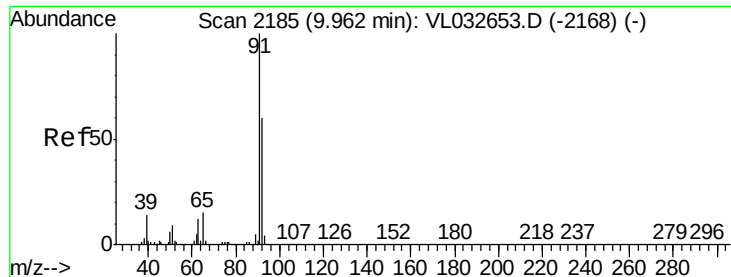
Tgt Ion: 43 Resp: 4838
 Ion Ratio Lower Upper
 43 100
 72 36.4 18.6 27.8#



#39
 1,2-Dichloropropane
 Concen: 8.051 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.45 min
 Lab File: VL032672.D
 Acq: 19 Oct 2018 7:01

Tgt Ion: 63 Resp: 936605
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.2 84.4#
 62 18.2 54.4 81.6#





#53

Toluene

Concen: 0.309 ppbv

RT: 9.96 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampled :

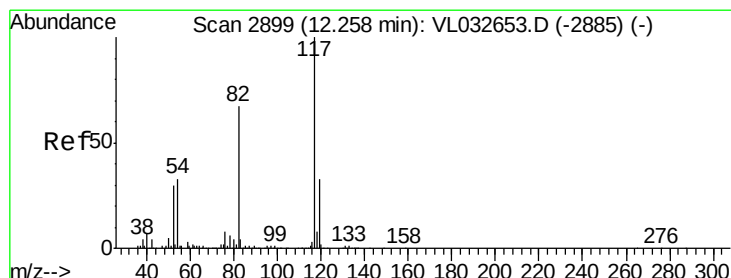
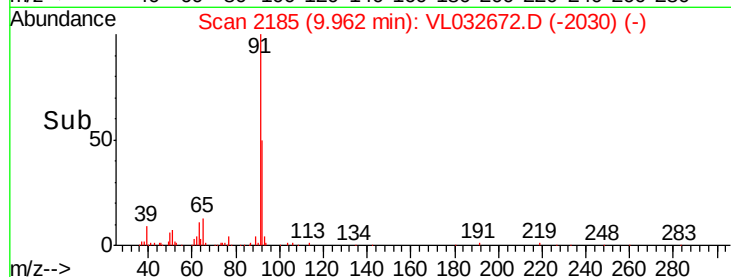
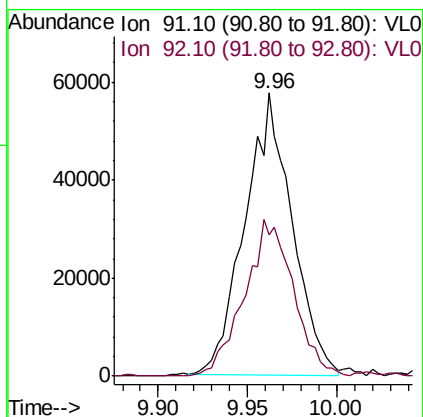
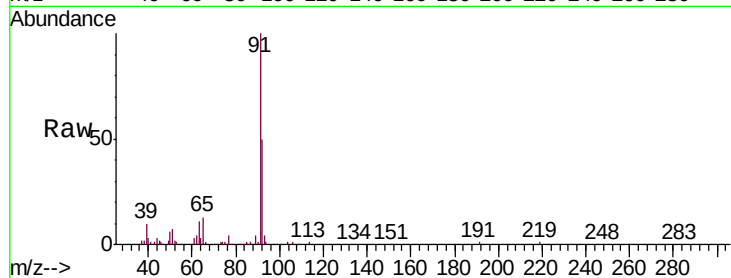
A-2DL

Tgt Ion: 91 Resp: 106827

Ion Ratio Lower Upper

91 100

92 58.3 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: VL032672.D

Acq: 19 Oct 2018 7:01

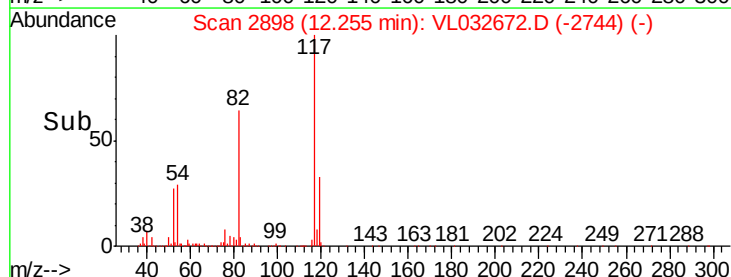
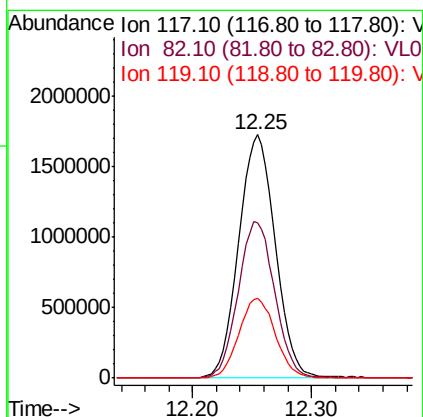
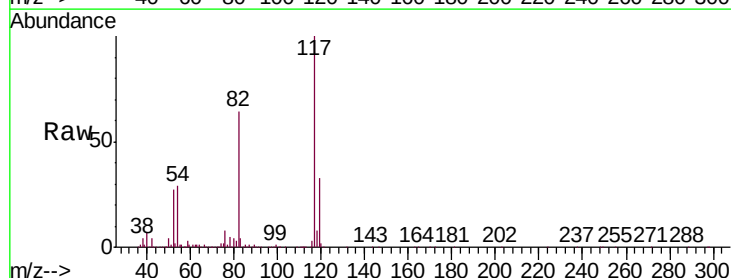
Tgt Ion: 117 Resp: 3686823

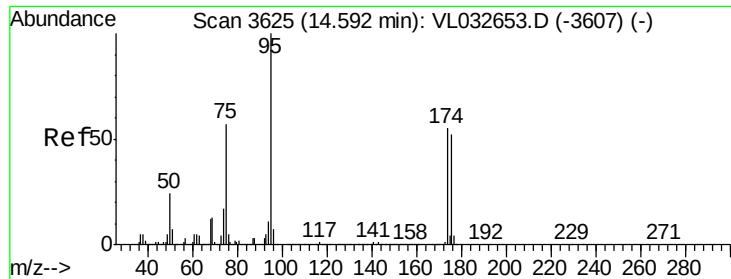
Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

119 32.9 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.006 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032672.D

Acq: 19 Oct 2018 7:01

Instrument :

MSVOA_L

ClientSampleId :

A-2DL

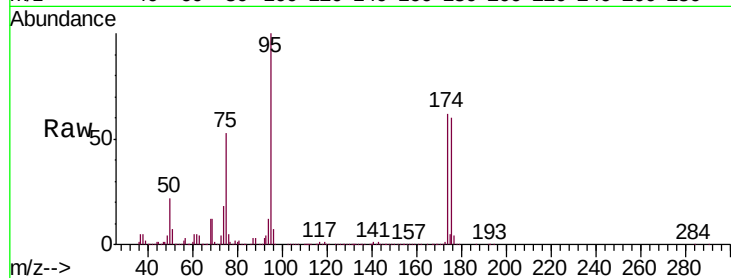
Tgt Ion: 95 Resp: 2746713

Ion Ratio Lower Upper

95 100

174 62.3 46.0 69.0

175 4.6 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

