

Data File : VL032754.D

Acq On : 14 Nov 2018 11:45

Operator : SY/AP

Sample : J5891-01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IASC1

Quant Time: Nov 15 04:53:14 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1328910	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3276052	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3057145	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2256604	9.87	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds

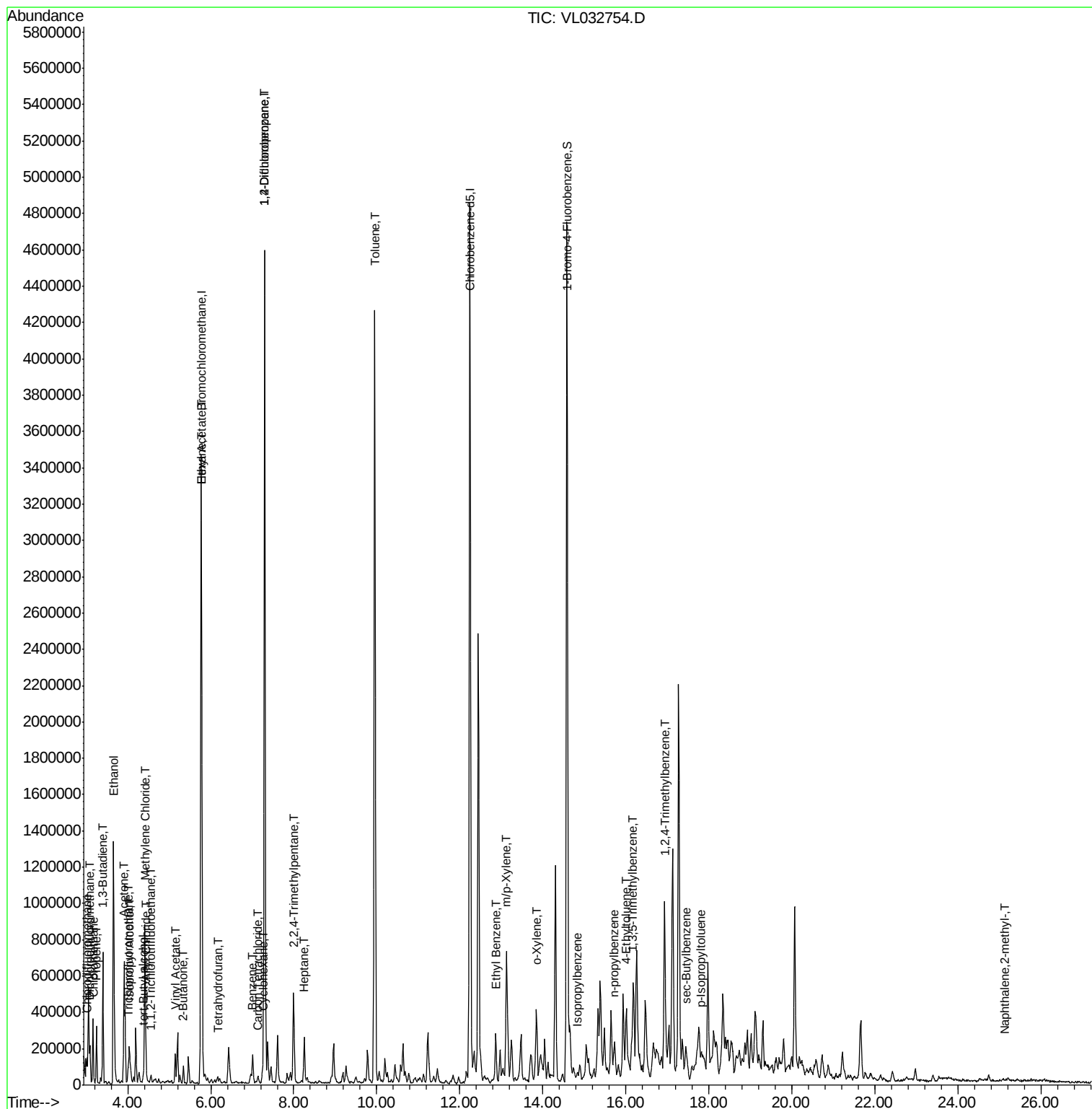
						Qvalue
2) Dichlorodifluoromethane	3.08	85	106842	0.559	ppbv	99
3) Chlorodifluoromethane	3.02	51	160811	1.526	ppbv #	86
4) Chloromethane	3.18	50	31810	0.545	ppbv	94
9) Propene	3.25	41	73005	1.732	ppbv	93
10) Heptane	8.25	43	79755	0.495	ppbv	92
11) Trichlorofluoromethane	4.01	101	53982	0.300	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.56	101	12484	0.085	ppbv	84
13) Ethanol	3.66	45	1415455	102.497	ppbv	98
15) Acetone	3.91	43	741819	6.113	ppbv	96
16) 1,3-Butadiene	3.40	39	88651	1.886	ppbv #	12
17) tert-Butyl alcohol	4.37	59	6255	0.164	ppbv #	73
19) Isopropyl Alcohol	4.04	45	229318	2.836	ppbv #	97
20) Methylene Chloride	4.41	84	299889	4.773	ppbv	97
21) Allyl Chloride	4.44	41	5490	0.054	ppbv #	1
23) Vinyl Acetate	5.15	43	59762	0.270	ppbv #	14
25) Ethyl Acetate	5.79	43	361159	1.277	ppbv #	81
26) Hexane	5.79	57	476955	3.788	ppbv #	44
30) Cyclohexane	7.25	84	8258	0.075	ppbv #	1
34) 2-Butanone	5.34	43	96412	0.567	ppbv	99
35) Carbon Tetrachloride	7.14	117	21579	0.082	ppbv #	80
36) Benzene	7.01	78	119182	0.457	ppbv	94
39) 1,2-Dichloropropane	7.29	63	831235	8.363	ppbv #	23
41) Tetrahydrofuran	6.17	42	7317	0.075	ppbv #	30
44) 2,2,4-Trimethylpentane	7.99	57	379361	0.870	ppbv #	85
53) Toluene	9.95	91	3204888	11.776	ppbv	100
58) Ethyl Benzene	12.87	91	206015	0.560	ppbv	96
59) m/p-Xylene	13.13	91	677354	2.068	ppbv	99
60) o-Xylene	13.85	91	267129	0.811	ppbv	99
62) Isopropylbenzene	14.83	105	30845	0.069	ppbv	93
64) n-propylbenzene	15.73	120	19427	0.166	ppbv #	21
67) sec-Butylbenzene	17.46	105	19958	0.035	ppbv #	53
69) p-Isopropyltoluene	17.82	119	21238	0.046	ppbv #	59
72) 4-Ethyltoluene	16.00	105	123927	0.343	ppbv #	90
73) 1,3,5-Trimethylbenzene	16.16	105	133016	0.377	ppbv	92
74) 1,2,4-Trimethylbenzene	16.93	105	445781	1.180	ppbv #	68
80) Naphthalene,2-methyl-	25.13	142	4038	0.065	ppbv #	87

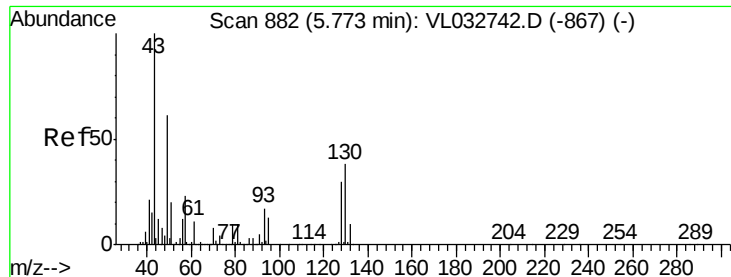
(#)=qualifier out of range (m)=manual integration (+)=signals summed

Data File : VL032754.D
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Instrument :
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ClientSampled :
IASC1

Quant Time: Nov 15 04:53:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
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QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

IASC1

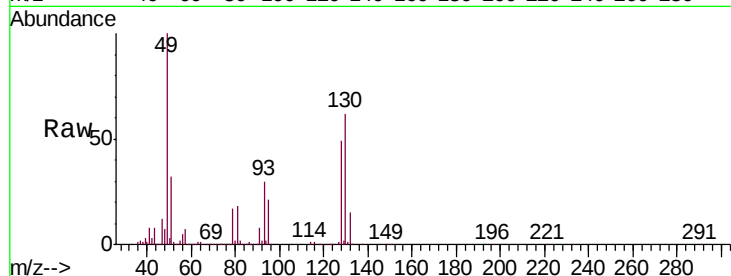
Tgt Ion: 49 Resp: 1328910

Ion Ratio Lower Upper

49 100

128 49.9 24.9 74.6

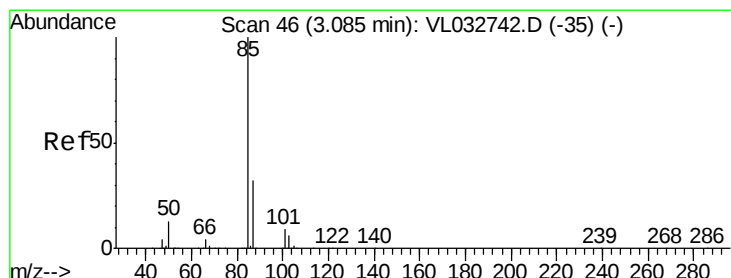
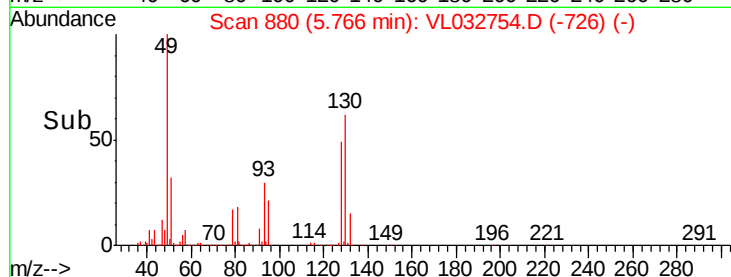
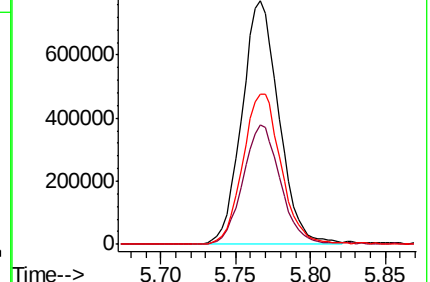
130 64.5 31.4 94.2



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: 0.559 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032754.D

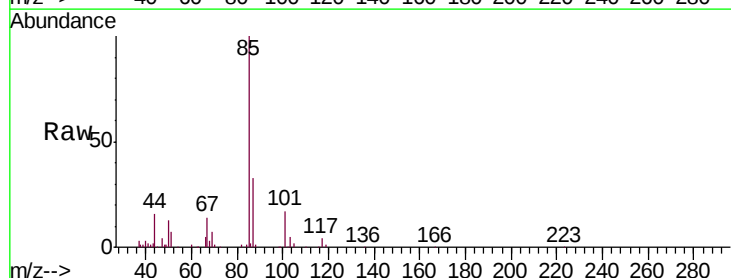
Acq: 14 Nov 2018 11:45

Tgt Ion: 85 Resp: 106842

Ion Ratio Lower Upper

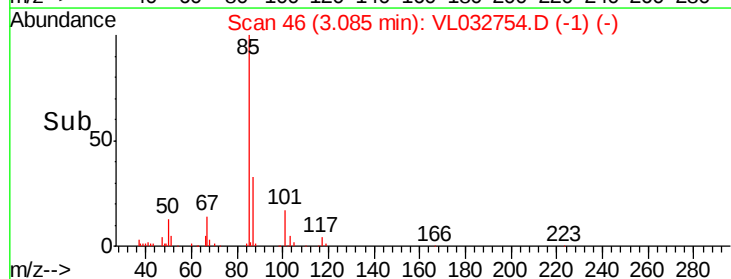
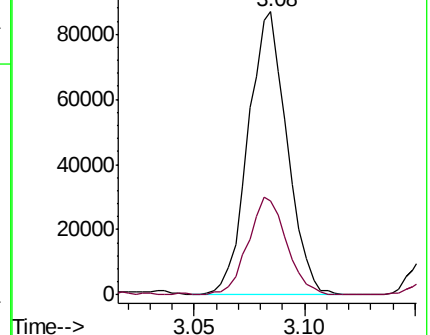
85 100

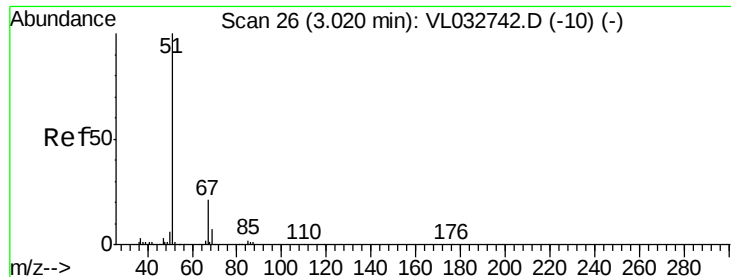
87 33.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

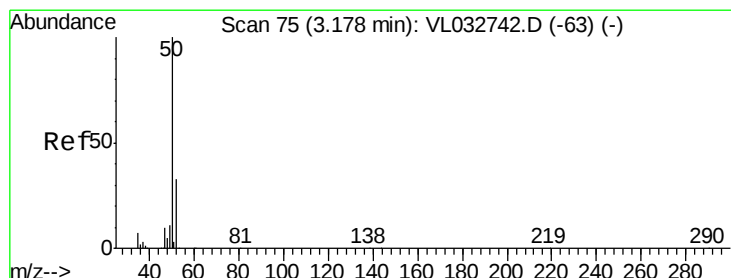
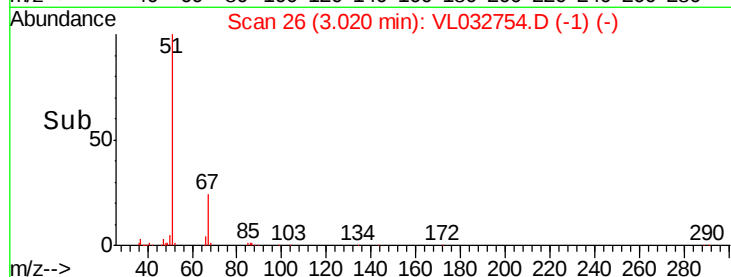
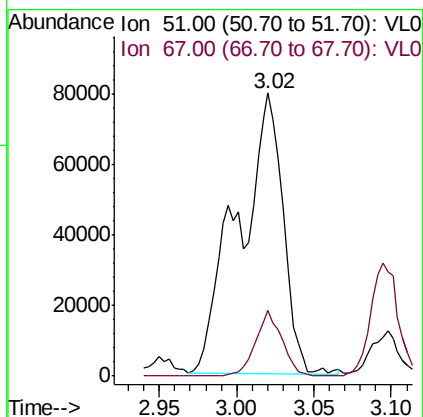
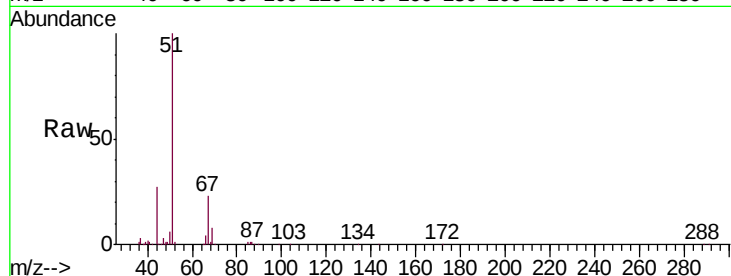




#3
 Chlorodifluoromethane
 Concen: 1.526 ppbv
 RT: 3.02 min Scan# 26
 Delta R.T. 0.00 min
 Lab File: VL032754.D
 Acq: 14 Nov 2018 11:45

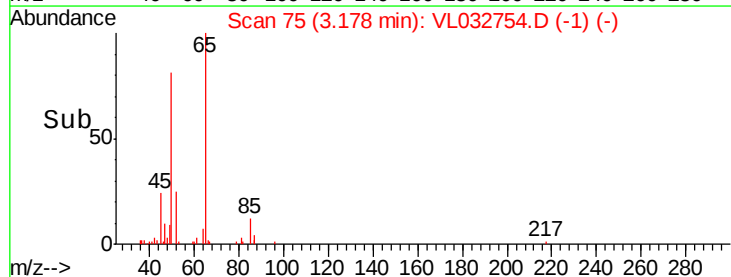
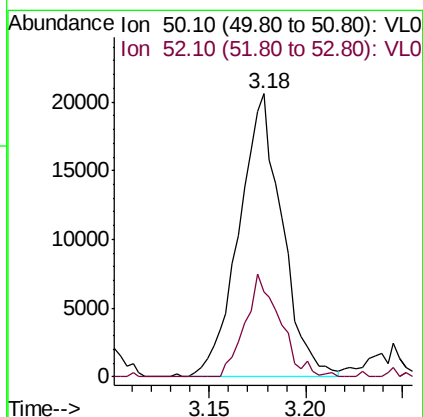
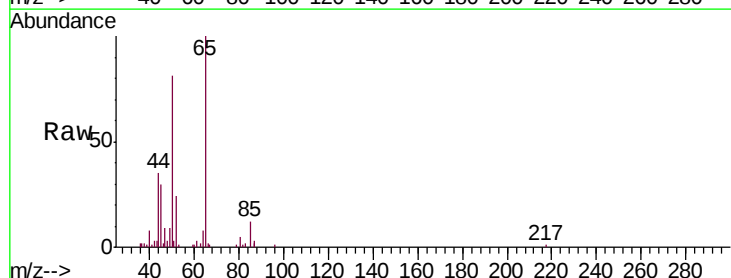
Instrument :
 MSVOA_L
 ClientSampleId :
 IASC1

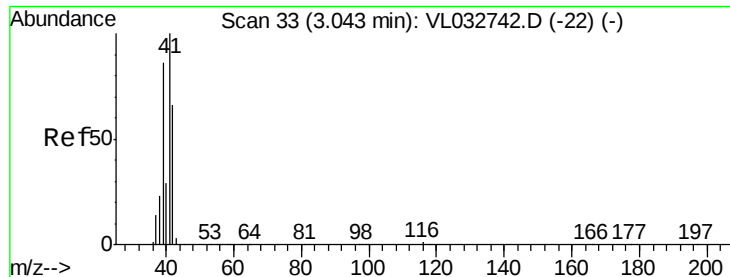
Tgt Ion: 51 Resp: 160811
 Ion Ratio Lower Upper
 51 100
 67 13.9 16.1 24.1#



#4
 Chloromethane
 Concen: 0.545 ppbv
 RT: 3.18 min Scan# 75
 Delta R.T. 0.00 min
 Lab File: VL032754.D
 Acq: 14 Nov 2018 11:45

Tgt Ion: 50 Resp: 31810
 Ion Ratio Lower Upper
 50 100
 52 29.8 26.6 40.0





#9

Propene

Concen: 1.732 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

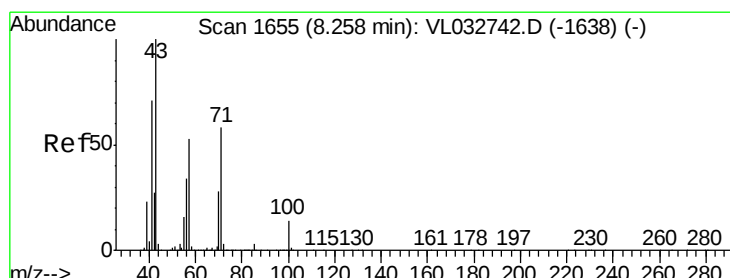
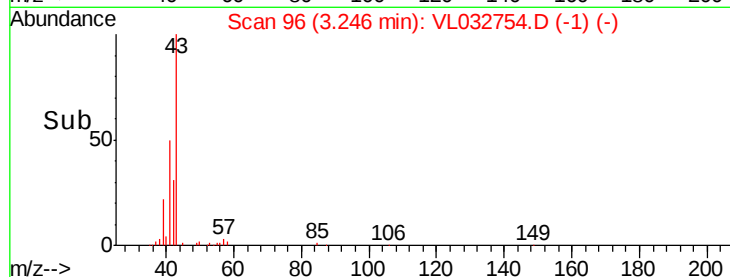
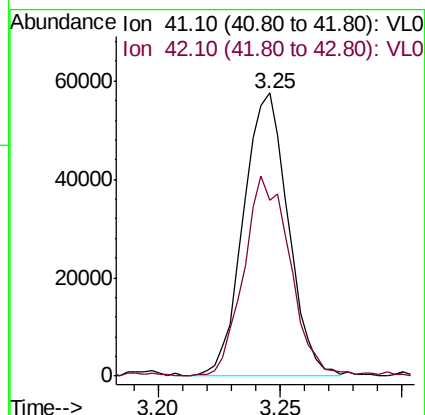
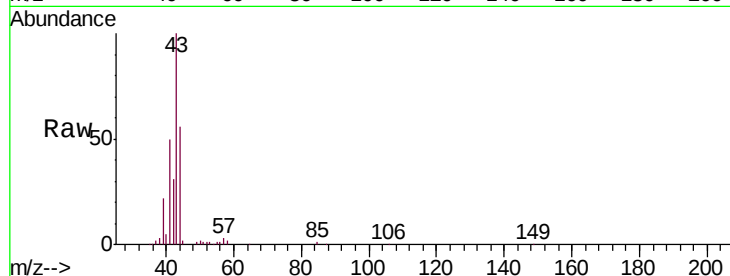
IASC1

Tgt Ion: 41 Resp: 73005

Ion Ratio Lower Upper

41 100

42 74.5 55.0 82.6



#10

Heptane

Concen: 0.495 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032754.D

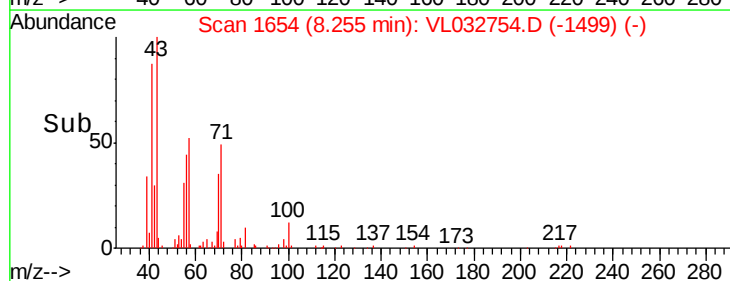
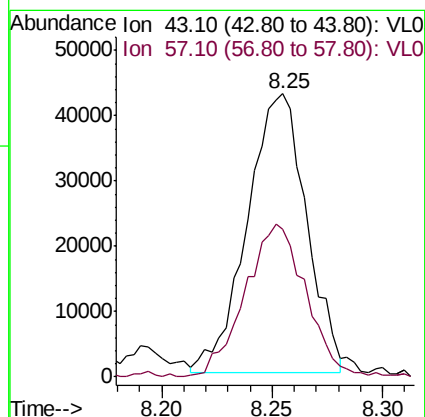
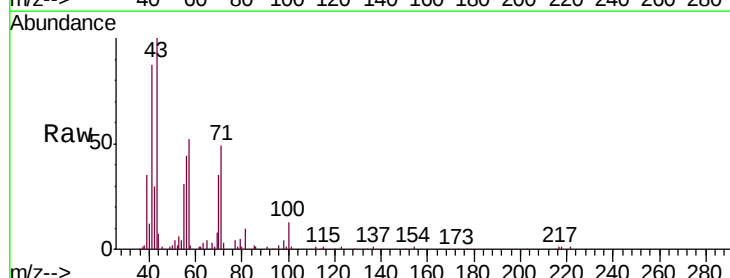
Acq: 14 Nov 2018 11:45

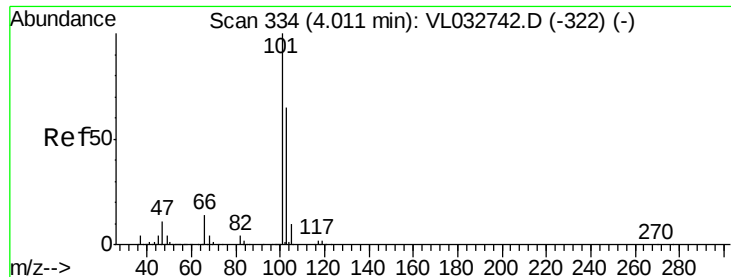
Tgt Ion: 43 Resp: 79755

Ion Ratio Lower Upper

43 100

57 57.6 41.8 62.8





#11

Trichlorofluoromethane

Concen: 0.300 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

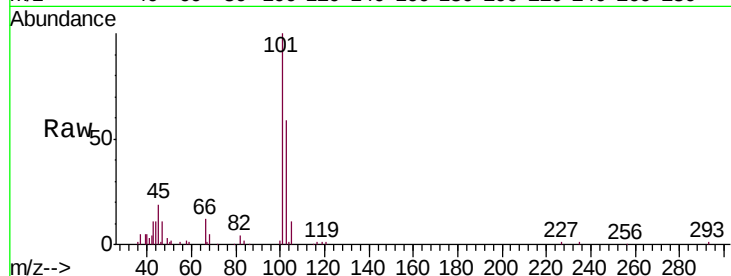
IASC1

Tgt Ion:101 Resp: 53982

Ion Ratio Lower Upper

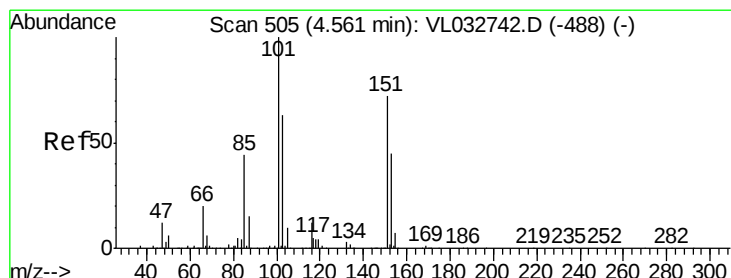
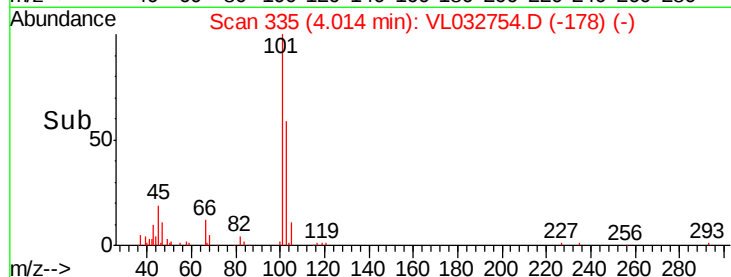
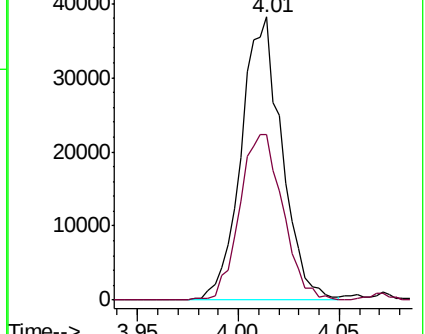
101 100

103 58.7 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.085 ppbv

RT: 4.56 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL032754.D

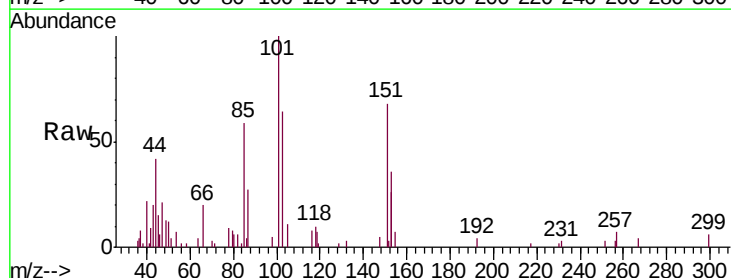
Acq: 14 Nov 2018 11:45

Tgt Ion:101 Resp: 12484

Ion Ratio Lower Upper

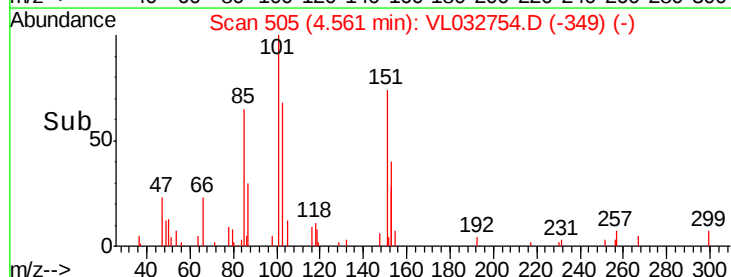
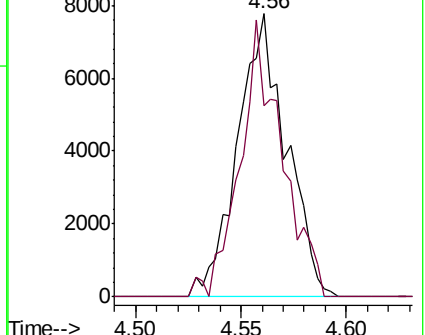
101 100

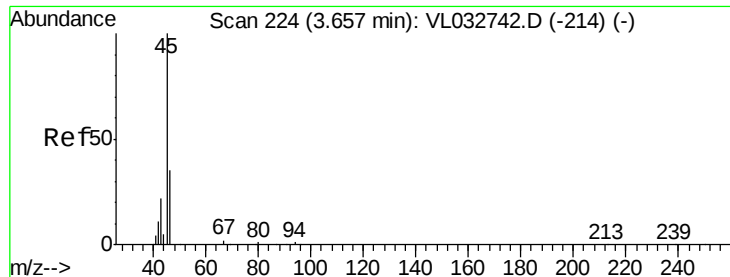
151 83.8 56.7 85.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 102.497 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

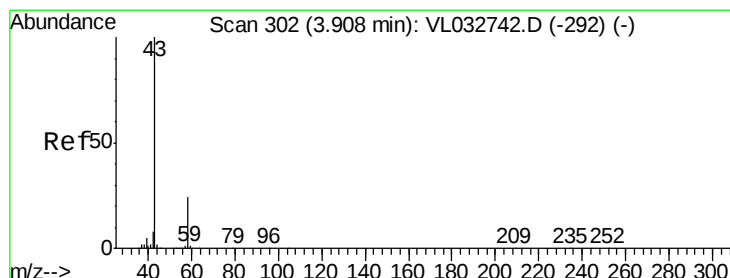
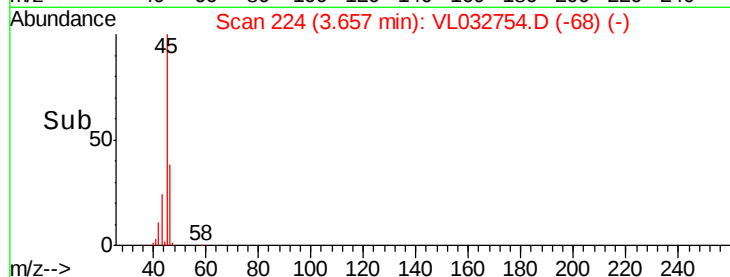
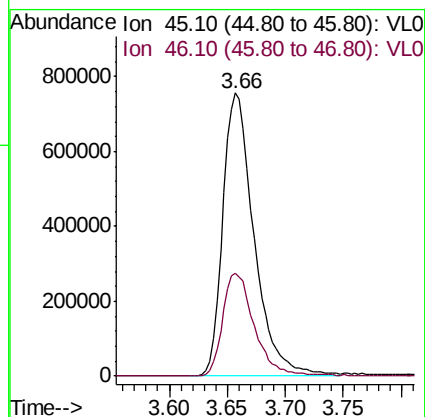
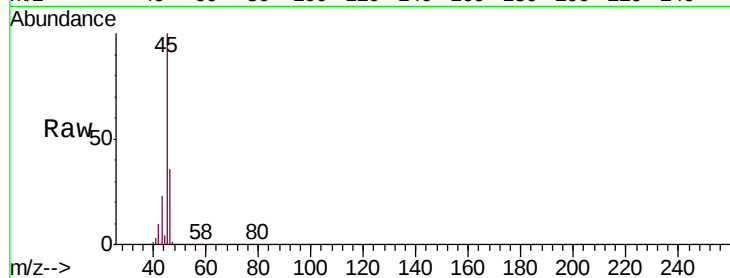
IASC1

Tgt Ion: 45 Resp: 1415455

Ion Ratio Lower Upper

45 100

46 37.5 14.5 57.9



#15

Acetone

Concen: 6.113 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032754.D

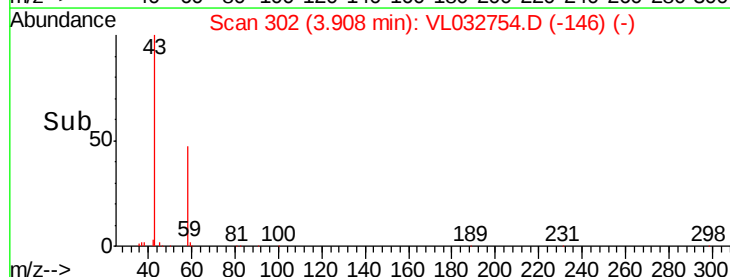
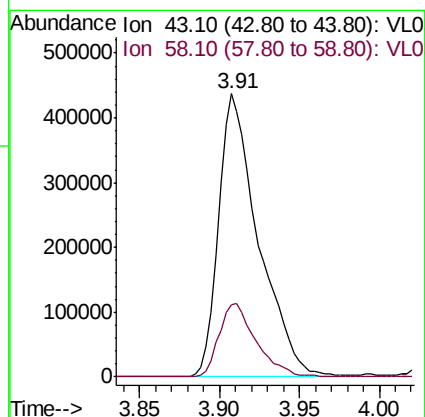
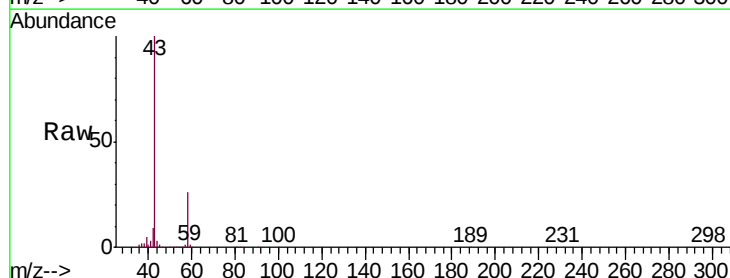
Acq: 14 Nov 2018 11:45

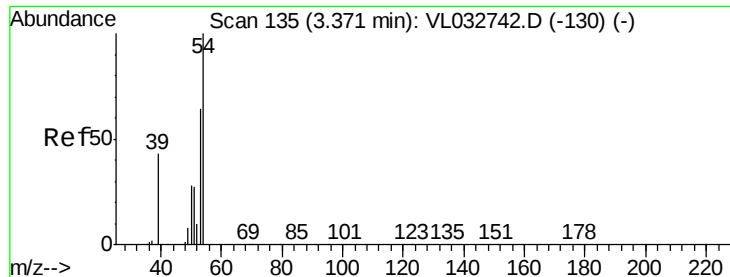
Tgt Ion: 43 Resp: 741819

Ion Ratio Lower Upper

43 100

58 24.5 21.1 31.7





#16

1,3-Butadiene

Concen: 1.886 ppbv

RT: 3.40 min Scan# 144

Delta R.T. 0.03 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

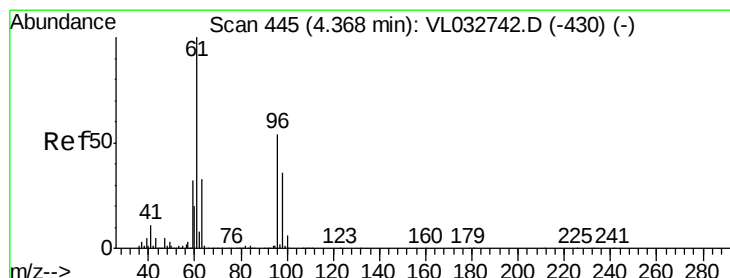
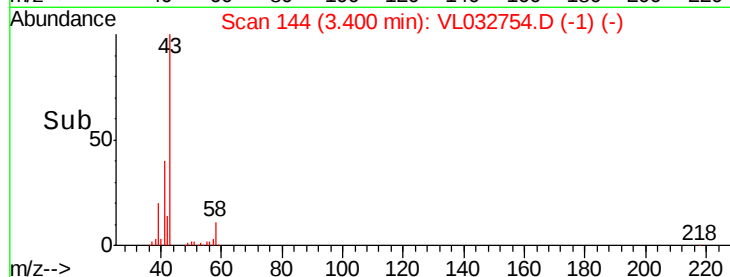
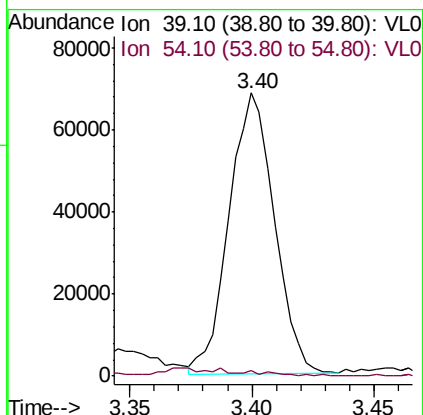
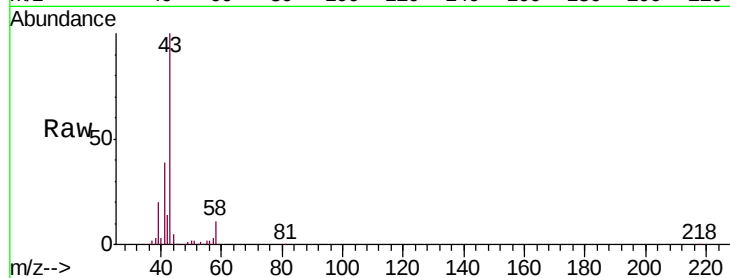
IASC1

Tgt Ion: 39 Resp: 88651

Ion Ratio Lower Upper

39 100

54 5.4 68.9 103.3#



#17

tert-Butyl alcohol

Concen: 0.164 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL032754.D

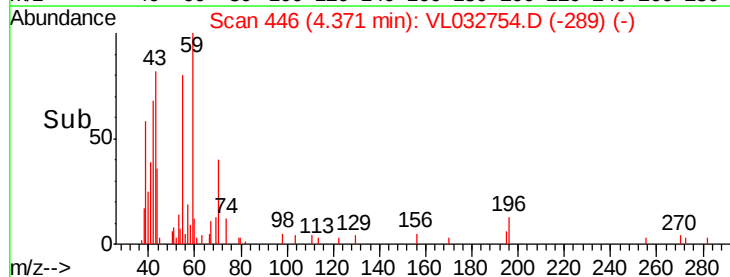
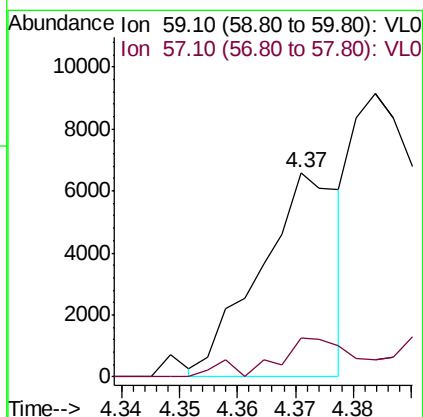
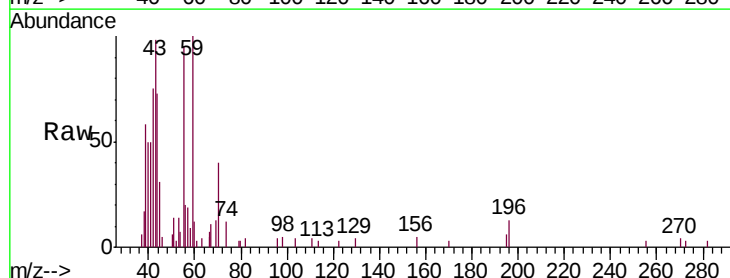
Acq: 14 Nov 2018 11:45

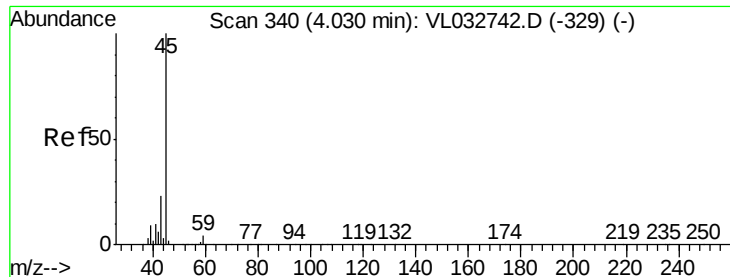
Tgt Ion: 59 Resp: 6255

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#19

Isopropyl Alcohol

Concen: 2.836 ppbv

RT: 4.04 min Scan# 342

Delta R.T. 0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

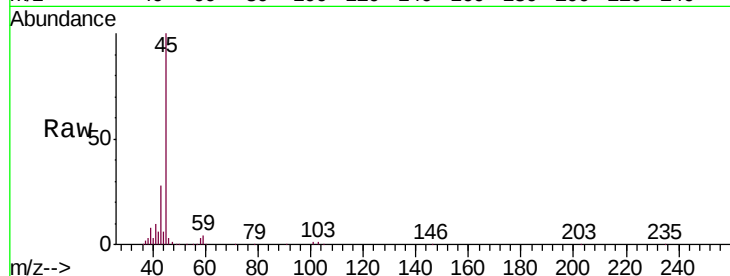
IASC1

Tgt Ion: 45 Resp: 229318

Ion Ratio Lower Upper

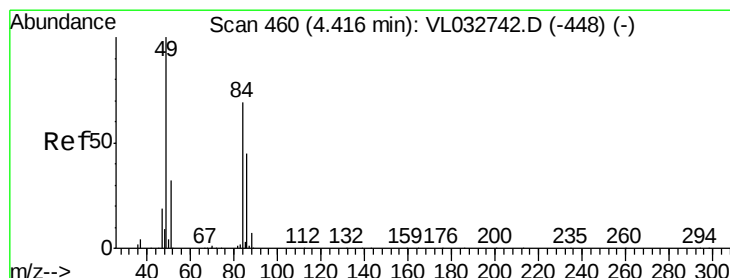
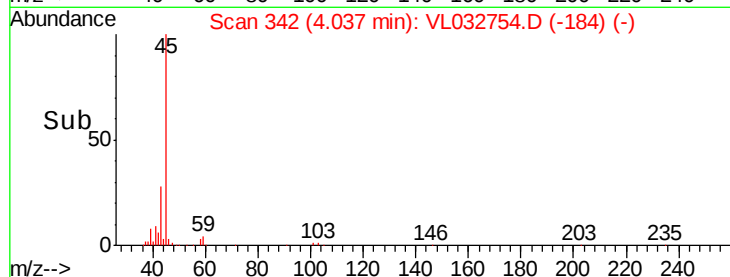
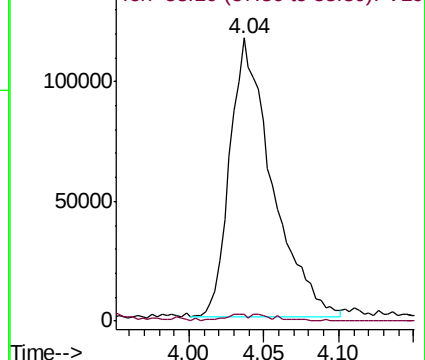
45 100

58 2.9 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: 4.773 ppbv

RT: 4.41 min Scan# 459

Delta R.T. -0.00 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Tgt Ion: 84 Resp: 299889

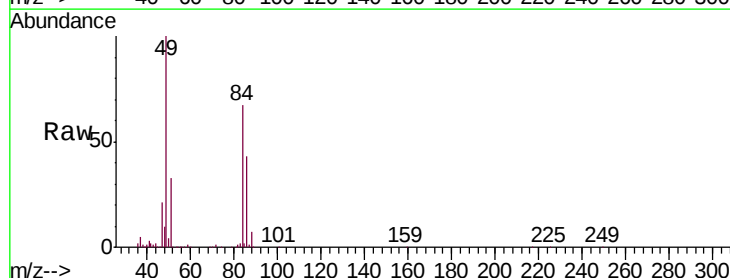
Ion Ratio Lower Upper

84 100

49 149.1 115.8 173.6

51 48.0 36.9 55.3

86 64.2 52.4 78.6

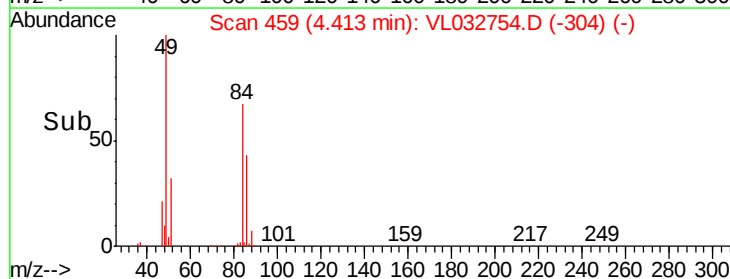
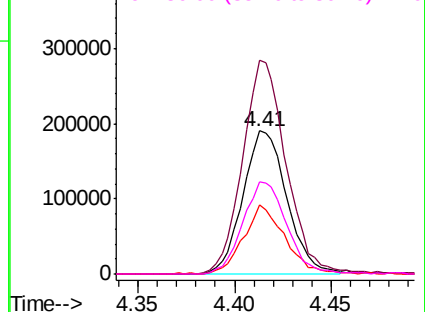


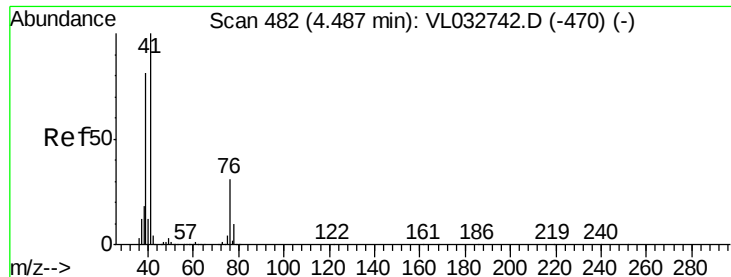
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#21

Allyl Chloride

Concen: 0.054 ppbv

RT: 4.44 min Scan# 468

Delta R.T. -0.04 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

IASC1

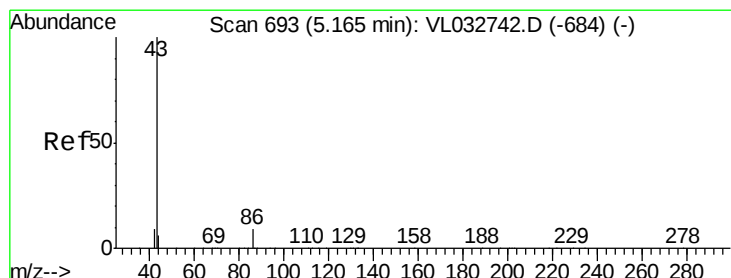
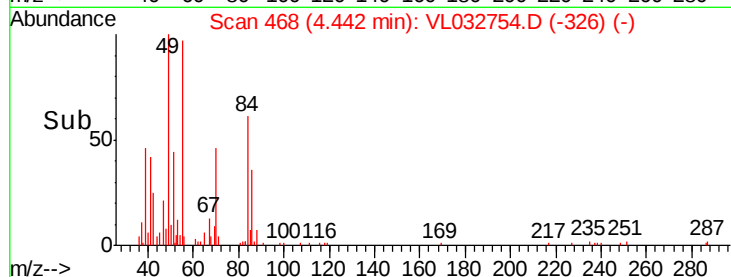
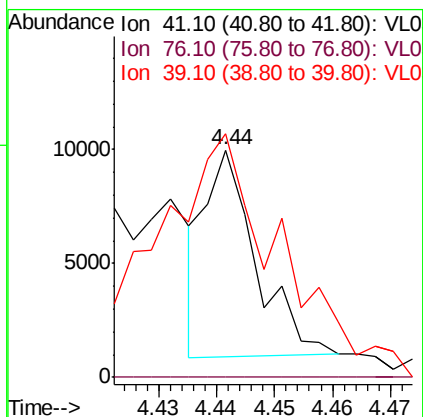
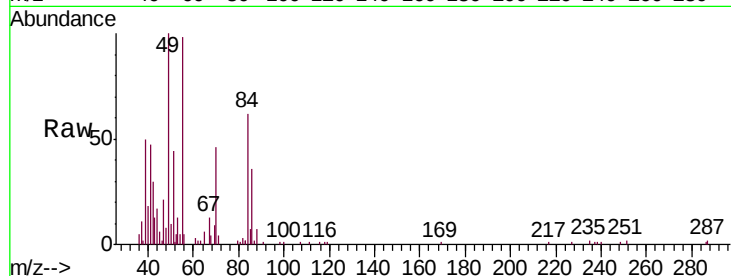
Tgt Ion: 41 Resp: 5490

Ion Ratio Lower Upper

41 100

76 0.0 24.4 36.6#

39 308.2 63.5 95.3#



#23

Vinyl Acetate

Concen: 0.270 ppbv

RT: 5.15 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Tgt Ion: 43 Resp: 59762

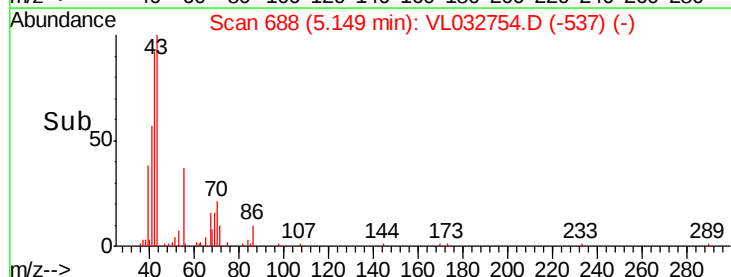
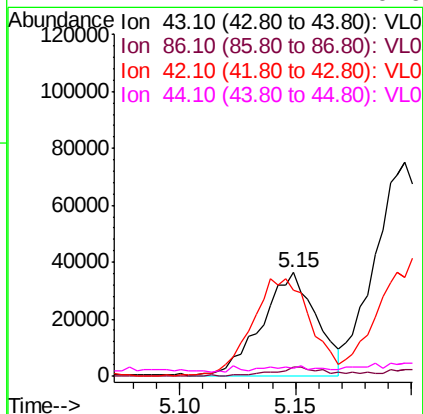
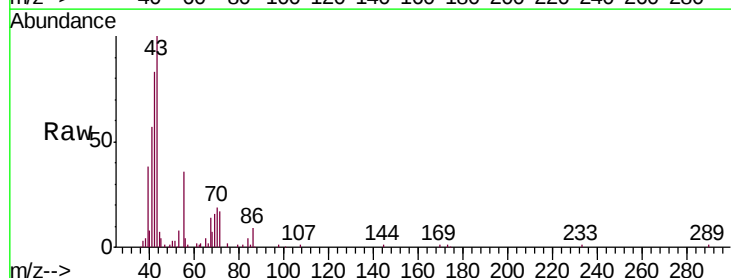
Ion Ratio Lower Upper

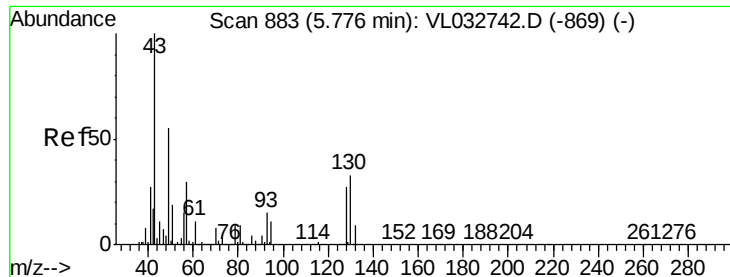
43 100

86 8.7 6.2 9.4

42 82.3 7.8 11.6#

44 2.4 4.4 6.6#





#25

Ethyl Acetate

Concen: 1.277 ppbv

RT: 5.79 min Scan# 886

Delta R.T. 0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

IASC1

Tgt Ion: 43 Resp: 361159

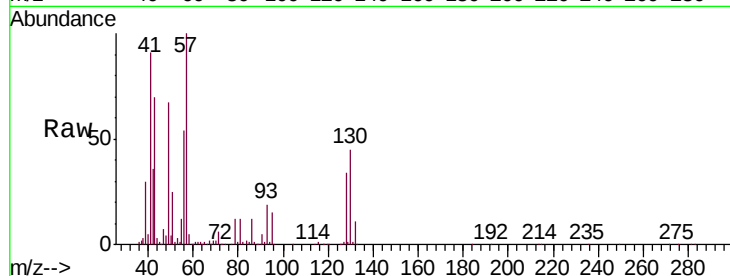
Ion Ratio Lower Upper

43 100

45 2.3 7.9 11.9#

61 1.7 7.8 11.6#

70 2.7 5.8 8.6#

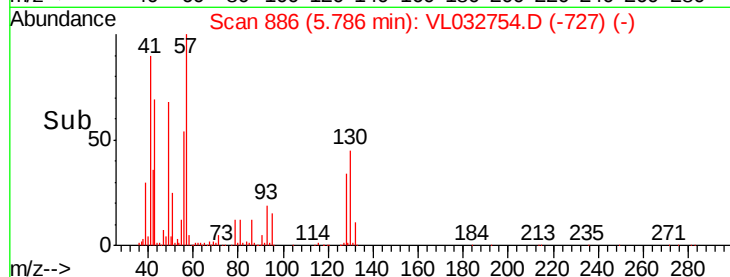
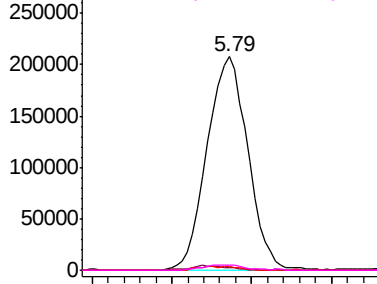


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 3.788 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Tgt Ion: 57 Resp: 476955

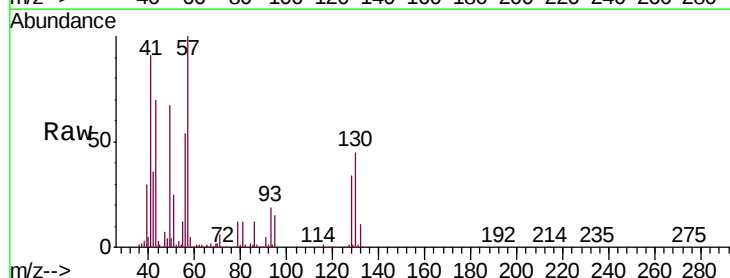
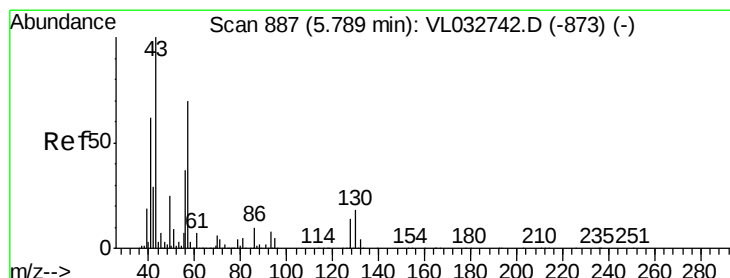
Ion Ratio Lower Upper

57 100

41 92.9 70.3 105.5

43 75.8 174.0 261.0#

56 55.0 42.3 63.5

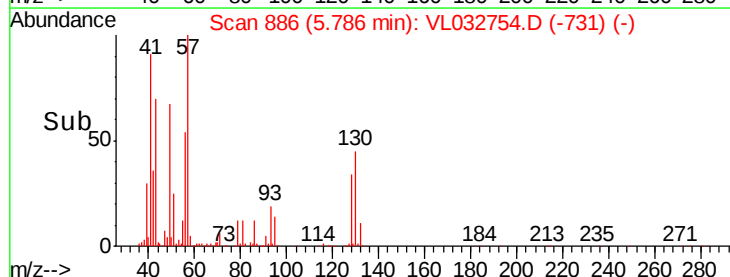
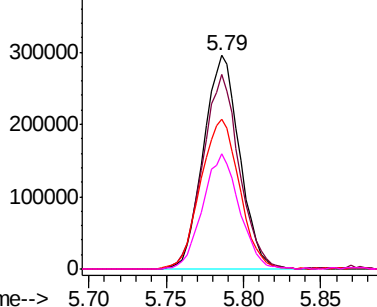


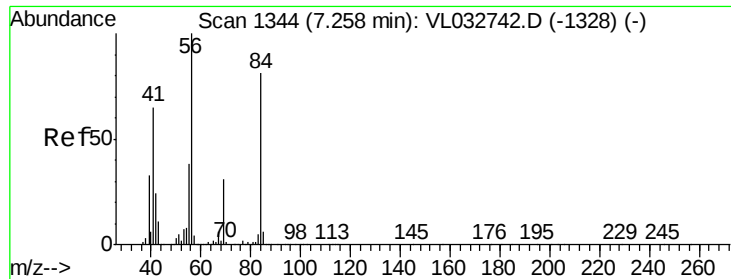
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

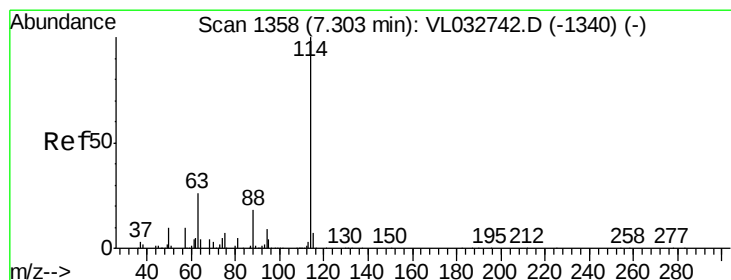
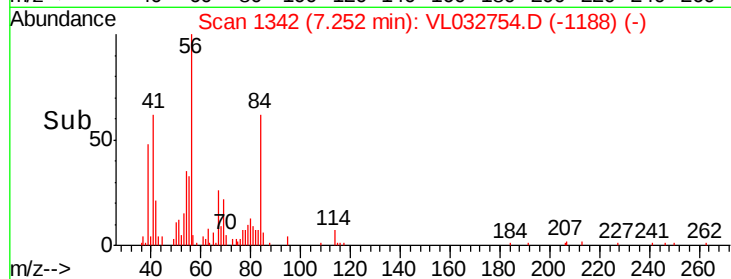
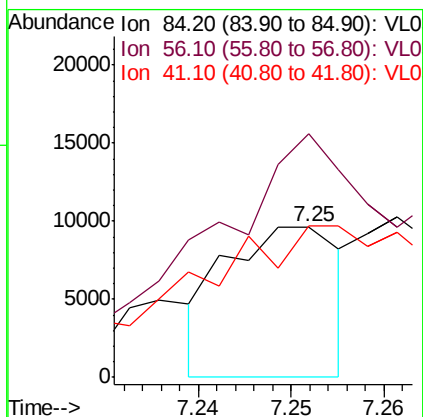
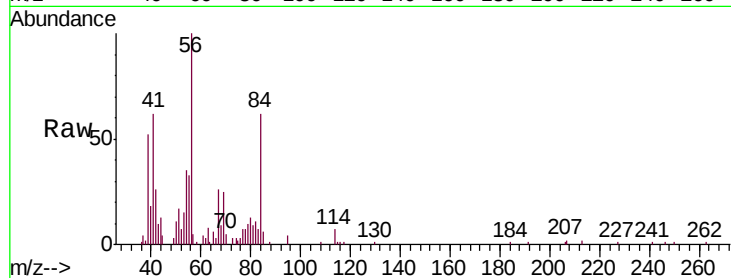




#30
Cyclohexane
Concen: 0.075 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.01 min
Lab File: VL032754.D
Acq: 14 Nov 2018 11:45

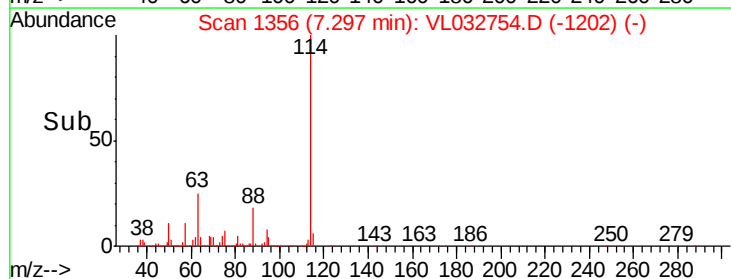
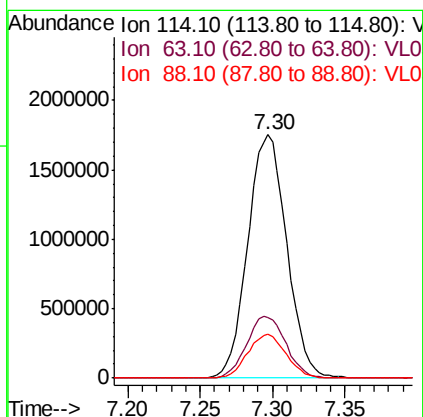
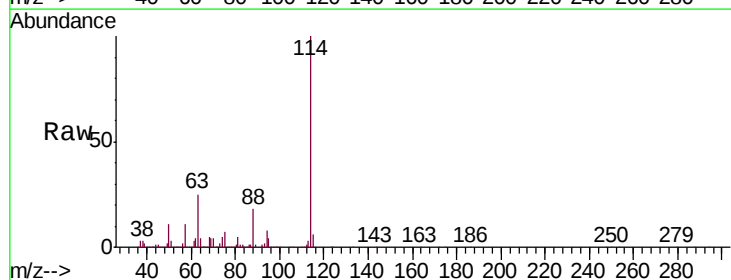
Instrument :
MSVOA_L
ClientSampleId :
IASC1

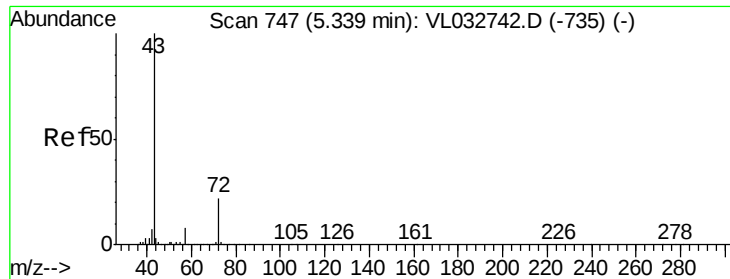
Tgt Ion: 84 Resp: 8258
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 294.6 65.3 97.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032754.D
Acq: 14 Nov 2018 11:45

Tgt Ion: 114 Resp: 3276052
Ion Ratio Lower Upper
114 100
63 25.7 20.9 31.3
88 17.9 14.4 21.6

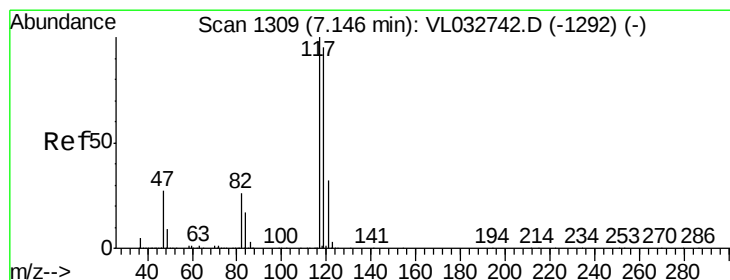
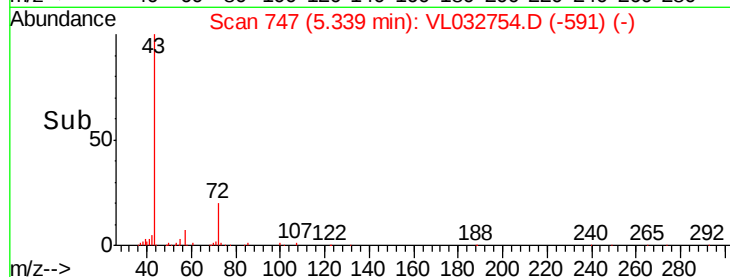
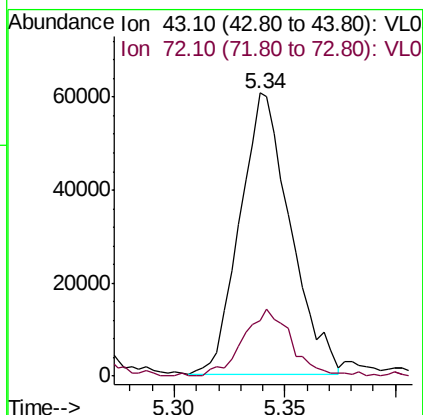
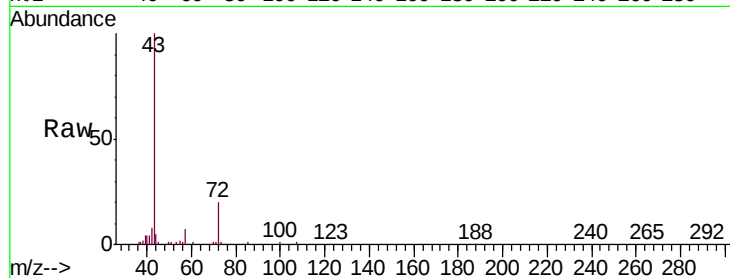




#34
2-Butanone
Concen: 0.567 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL032754.D
Acq: 14 Nov 2018 11:45

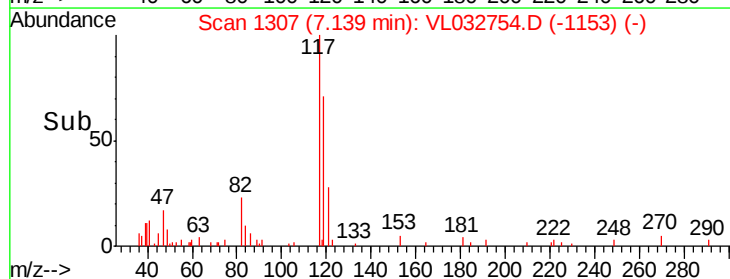
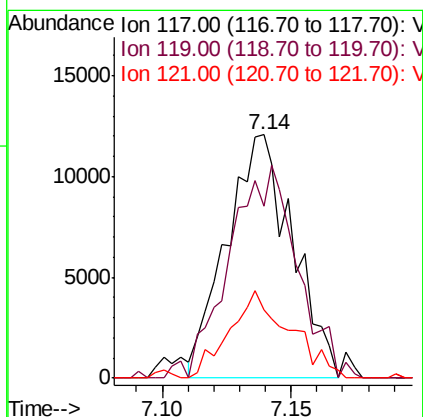
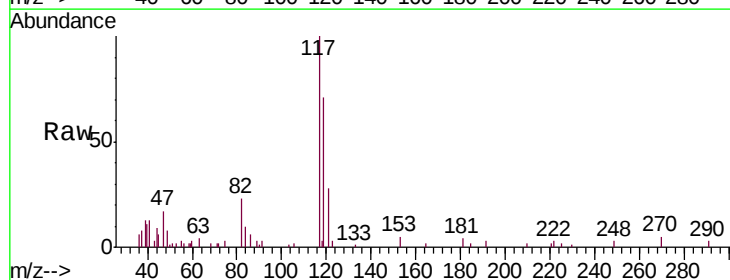
Instrument :
MSVOA_L
ClientSampleId :
IASC1

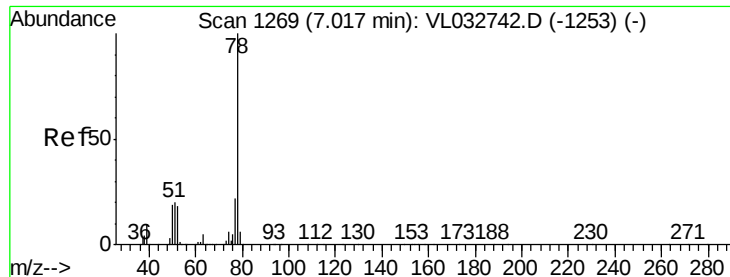
Tgt Ion: 43 Resp: 96412
Ion Ratio Lower Upper
43 100
72 23.7 18.4 27.6



#35
Carbon Tetrachloride
Concen: 0.082 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VL032754.D
Acq: 14 Nov 2018 11:45

Tgt Ion: 117 Resp: 21579
Ion Ratio Lower Upper
117 100
119 70.7 76.1 114.1#
121 28.0 25.4 38.0





#36

Benzene

Concen: 0.457 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

IASC1

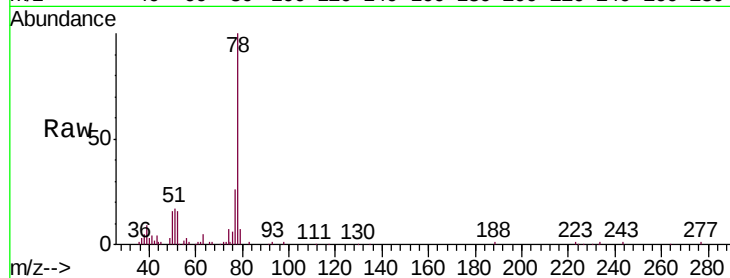
Tgt Ion: 78 Resp: 119182

Ion Ratio Lower Upper

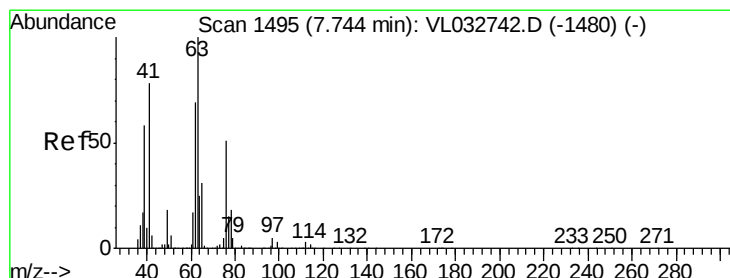
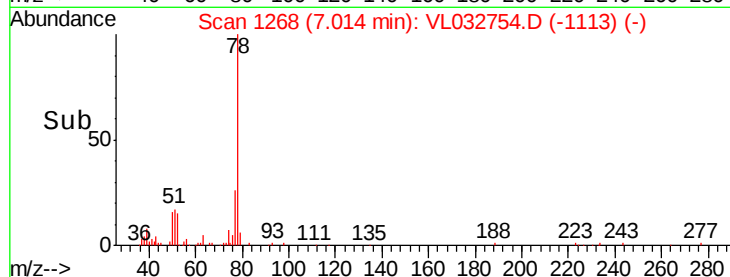
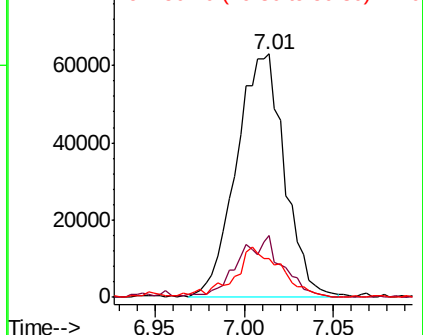
78 100

77 24.6 17.8 26.8

50 15.9 15.4 23.0



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 8.363 ppbv

RT: 7.29 min Scan# 1355

Delta R.T. -0.45 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

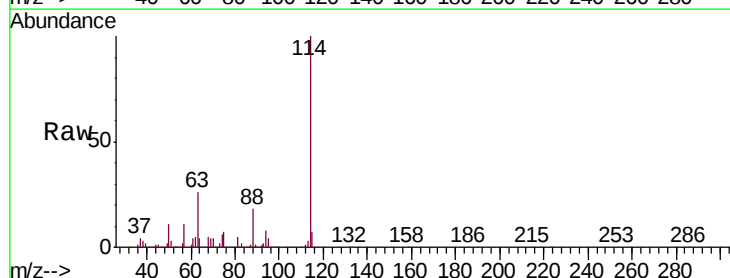
Tgt Ion: 63 Resp: 831235

Ion Ratio Lower Upper

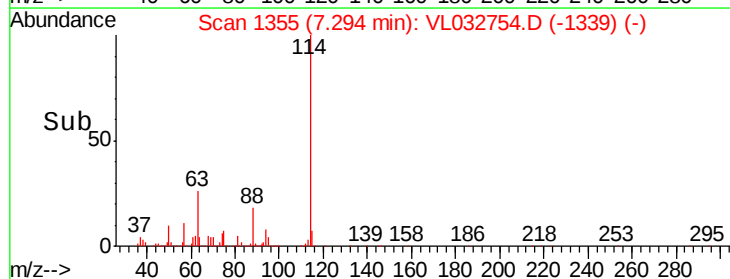
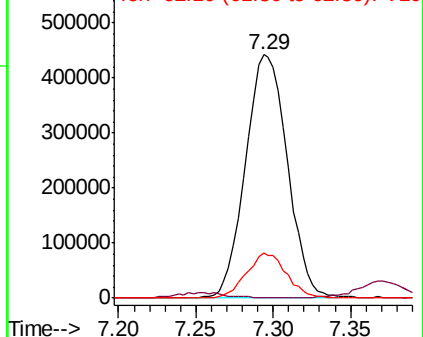
63 100

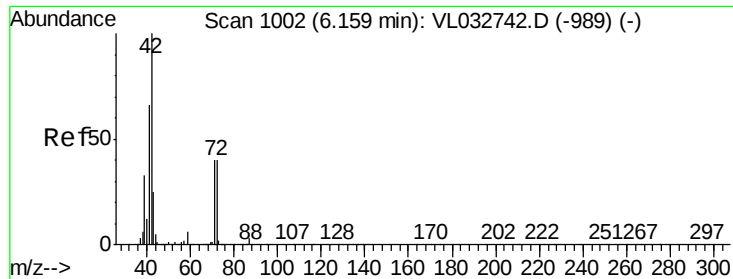
41 0.0 62.0 93.0#

62 18.4 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





#41

Tetrahydrofuran

Concen: 0.075 ppbv

RT: 6.17 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

IASC1

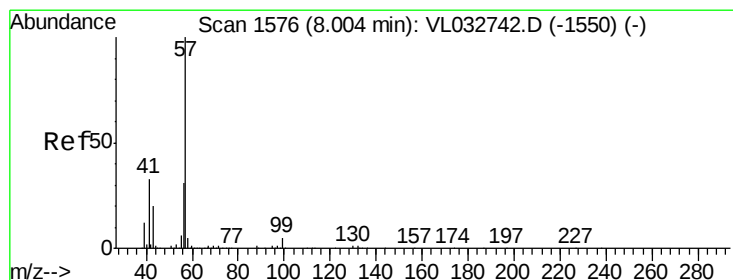
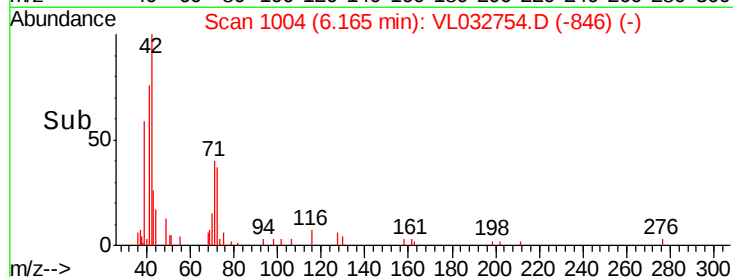
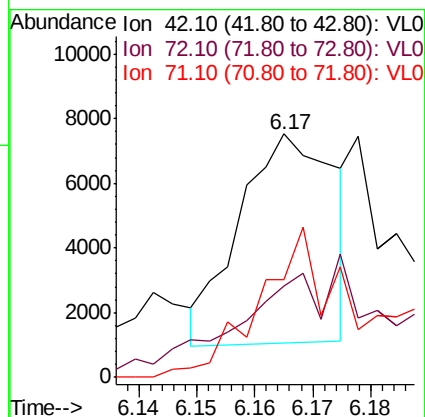
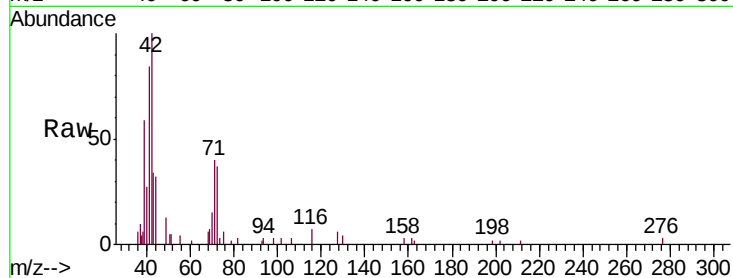
Tgt Ion: 42 Resp: 7317

Ion Ratio Lower Upper

42 100

72 86.7 32.4 48.6#

71 80.0 31.6 47.4#



#44

2,2,4-Trimethylpentane

Concen: 0.870 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

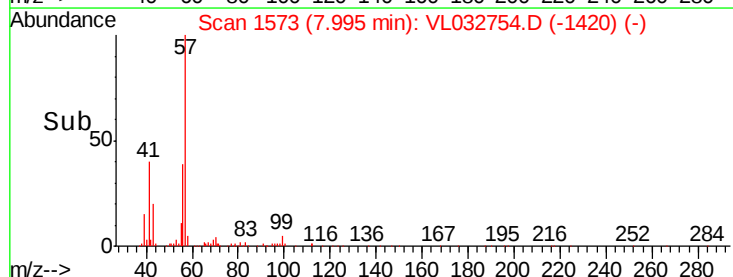
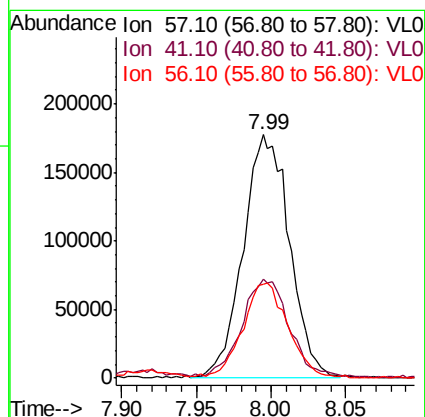
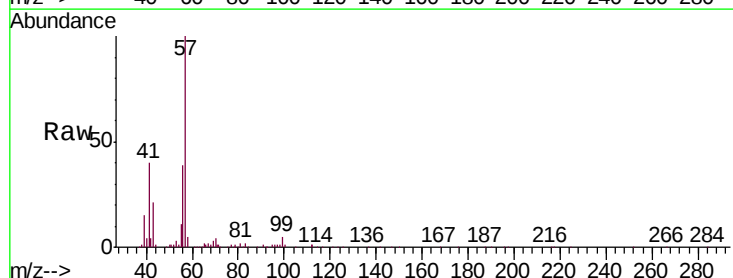
Tgt Ion: 57 Resp: 379361

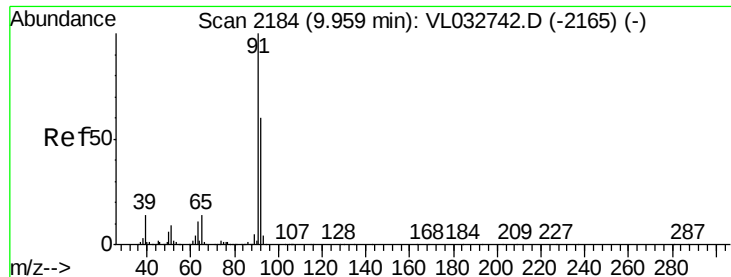
Ion Ratio Lower Upper

57 100

41 42.5 26.6 39.8#

56 38.3 24.8 37.2#





#53

Toluene

Concen: 11.776 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

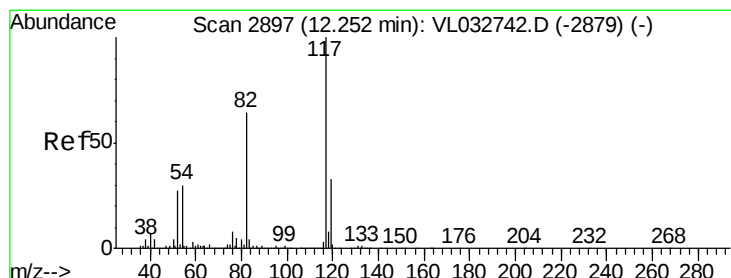
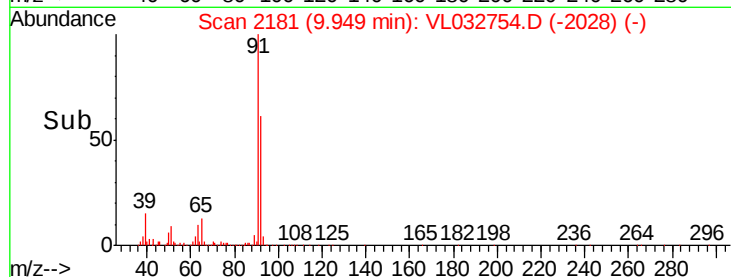
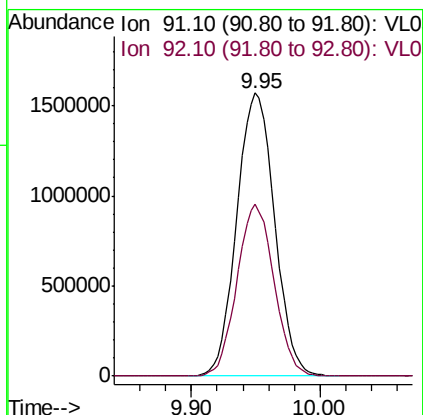
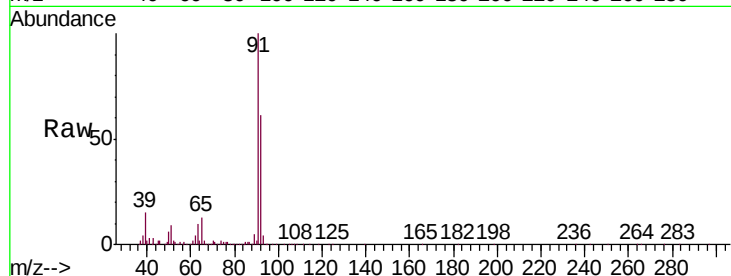
IASC1

Tgt Ion: 91 Resp: 3204888

Ion Ratio Lower Upper

91 100

92 59.5 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

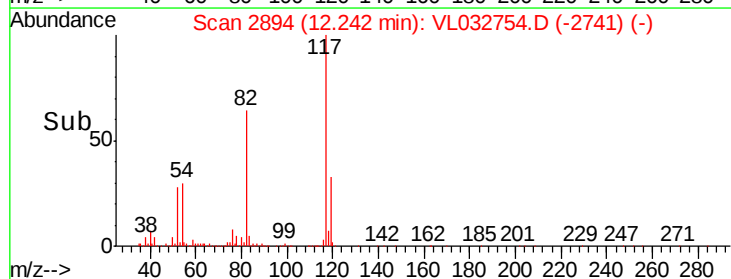
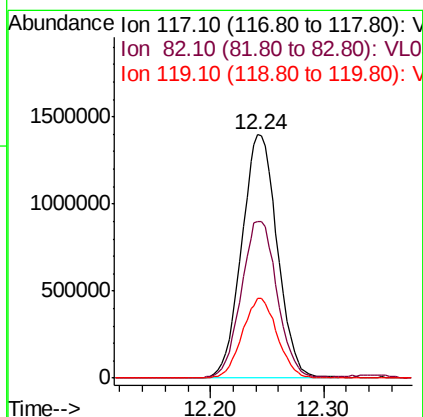
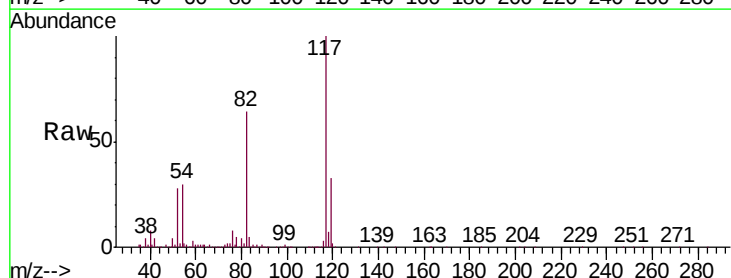
Tgt Ion: 117 Resp: 3057145

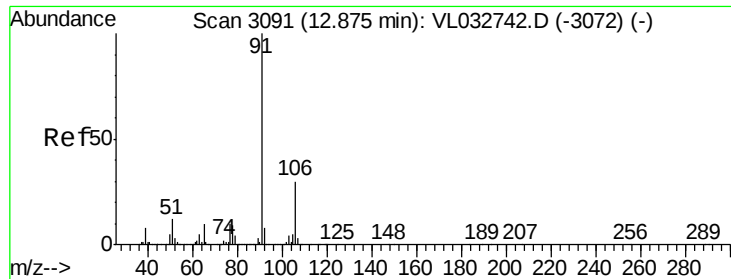
Ion Ratio Lower Upper

117 100

82 65.1 51.0 76.6

119 32.4 28.0 42.0





#58

Ethyl Benzene

Concen: 0.560 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

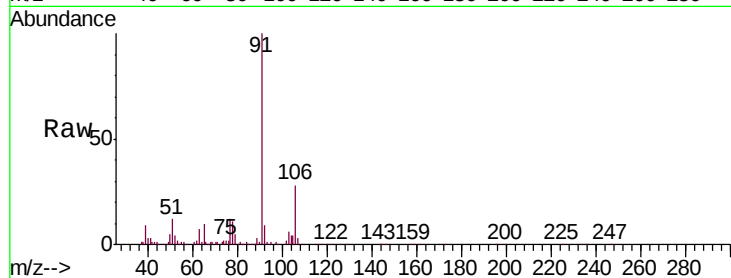
IASC1

Tgt Ion: 91 Resp: 206015

Ion Ratio Lower Upper

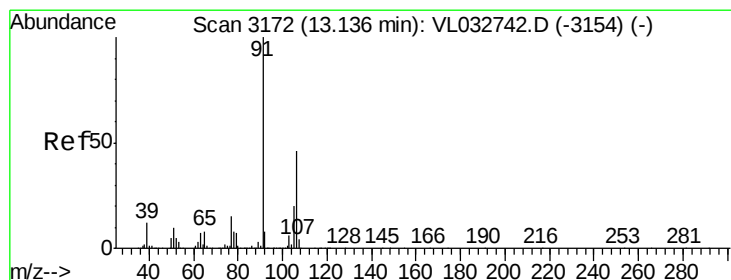
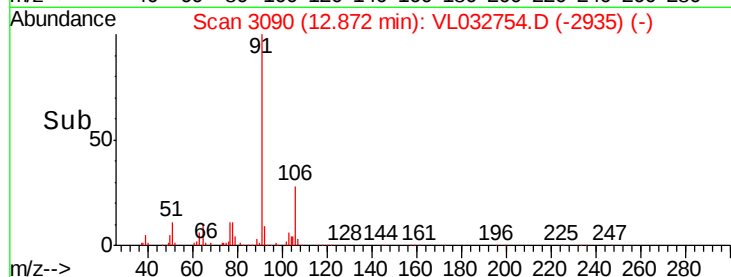
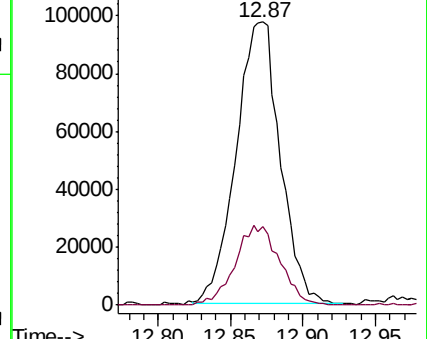
91 100

106 27.5 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 2.068 ppbv

RT: 13.13 min Scan# 3169

Delta R.T. -0.01 min

Lab File: VL032754.D

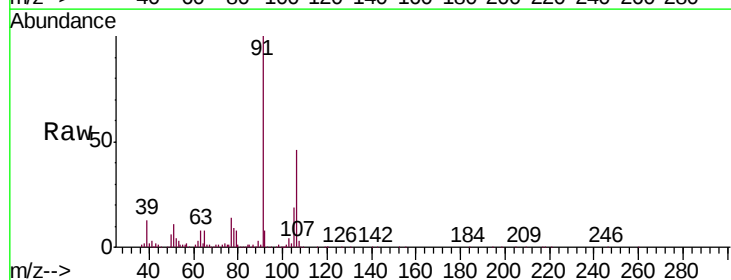
Acq: 14 Nov 2018 11:45

Tgt Ion: 91 Resp: 677354

Ion Ratio Lower Upper

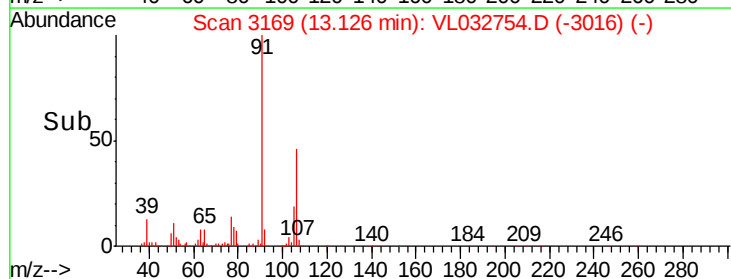
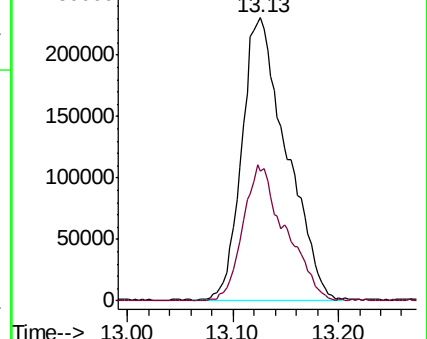
91 100

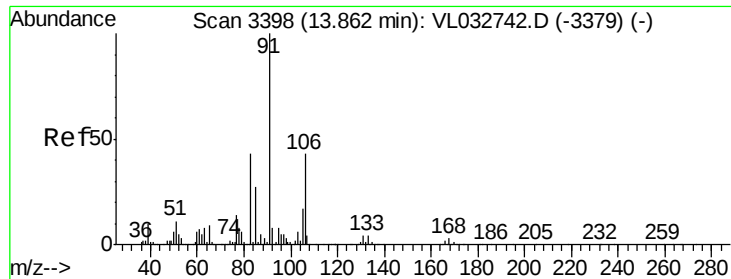
106 45.8 36.1 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

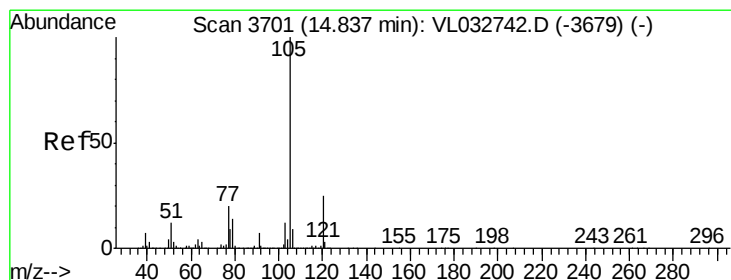
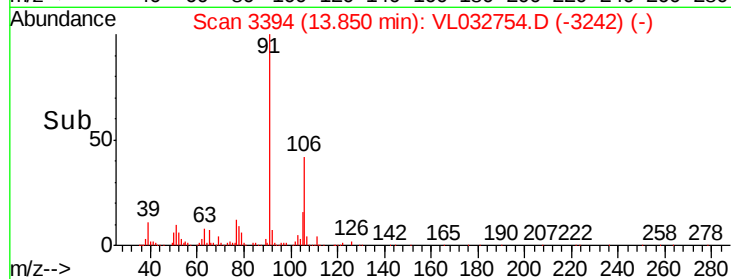
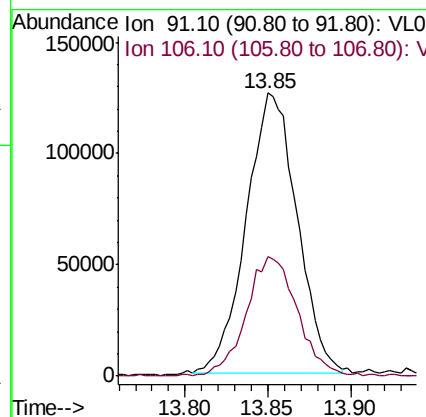
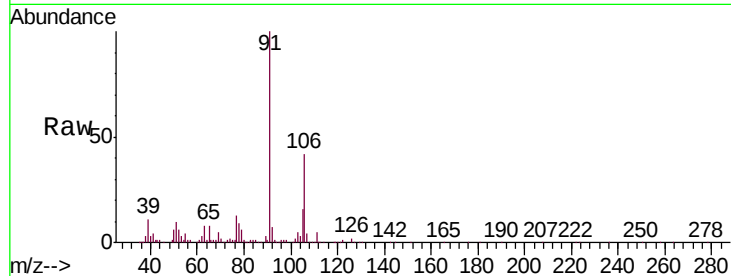




#60
o-Xylene
Concen: 0.811 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032754.D
Acq: 14 Nov 2018 11:45

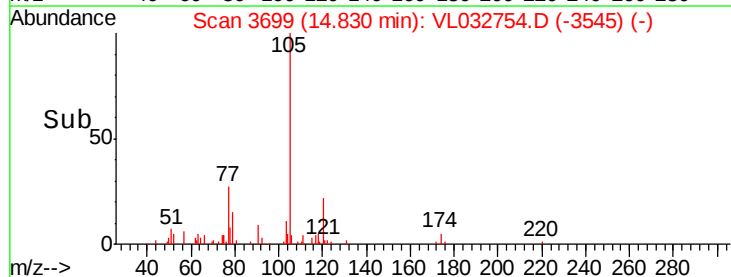
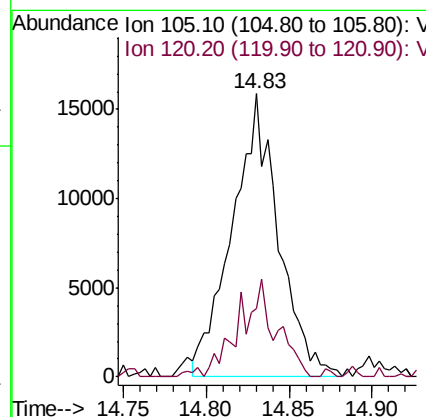
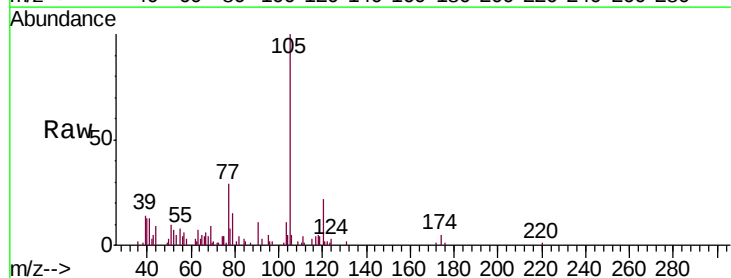
Instrument :
MSVOA_L
ClientSampled :
IASC1

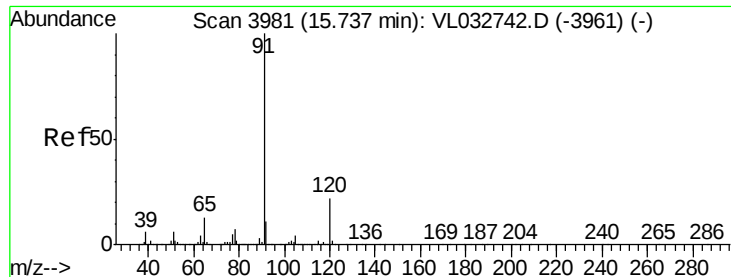
Tgt Ion: 91 Resp: 267129
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.7



#62
Isopropylbenzene
Concen: 0.069 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.01 min
Lab File: VL032754.D
Acq: 14 Nov 2018 11:45

Tgt Ion: 105 Resp: 30845
Ion Ratio Lower Upper
105 100
120 28.7 20.1 30.1





#64

n-propylbenzene

Concen: 0.166 ppbv

RT: 15.73 min Scan# 3978

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Instrument :

MSVOA_L

ClientSampleId :

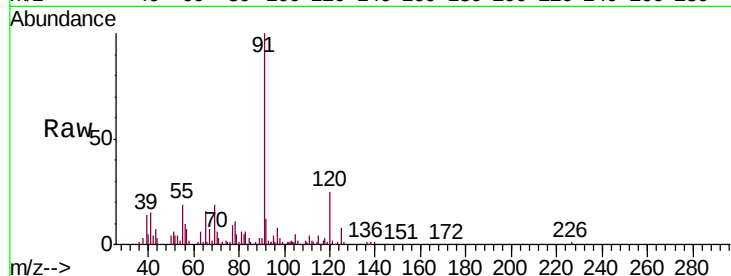
IASC1

Tgt Ion:120 Resp: 19427

Ion Ratio Lower Upper

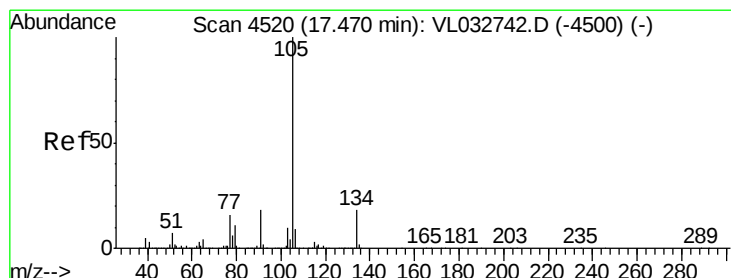
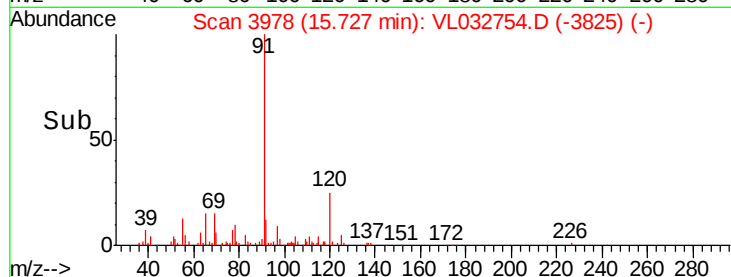
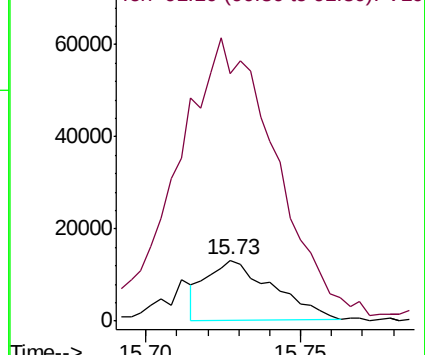
120 100

91 688.9 381.7 572.5#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#67

sec-Butylbenzene

Concen: 0.035 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.01 min

Lab File: VL032754.D

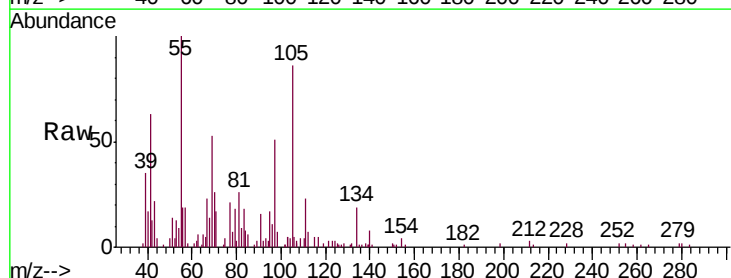
Acq: 14 Nov 2018 11:45

Tgt Ion:105 Resp: 19958

Ion Ratio Lower Upper

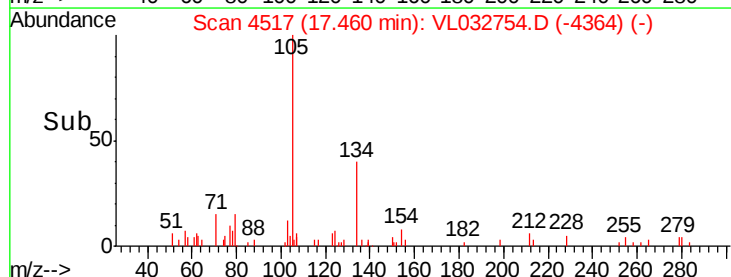
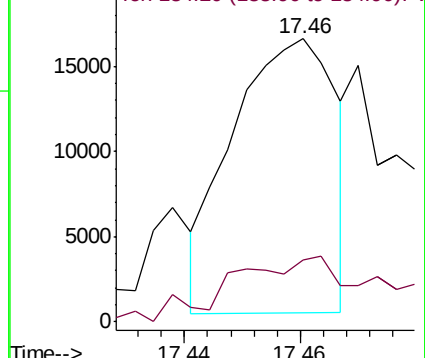
105 100

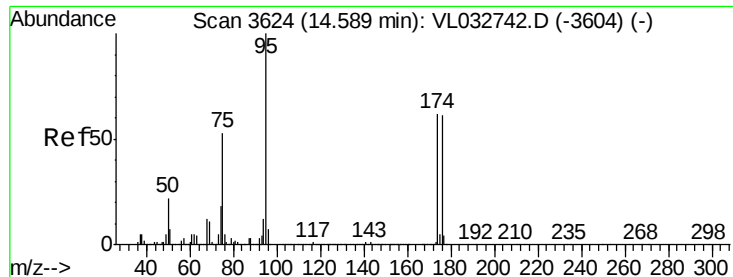
134 39.0 14.6 21.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

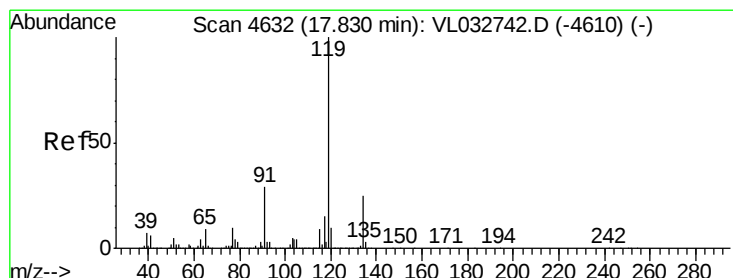
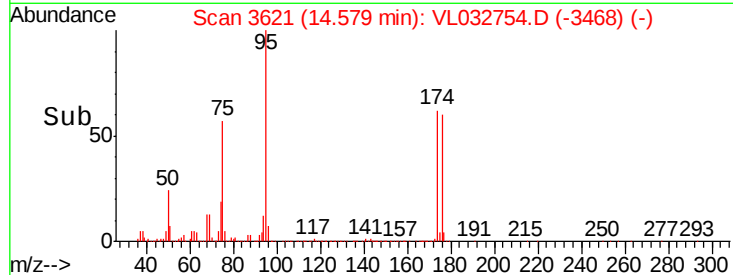
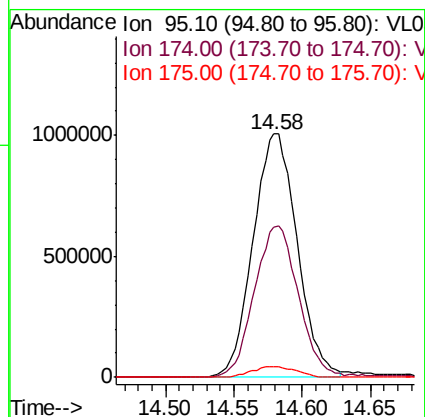
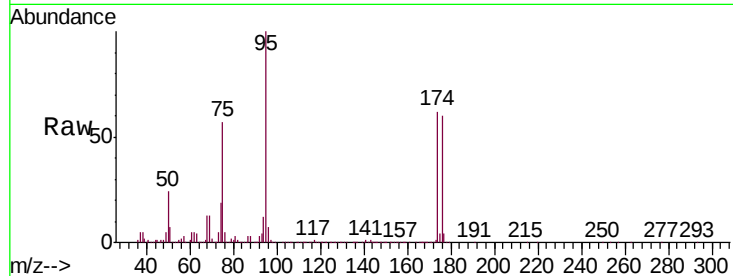




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.869 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032754.D
 Acq: 14 Nov 2018 11:45

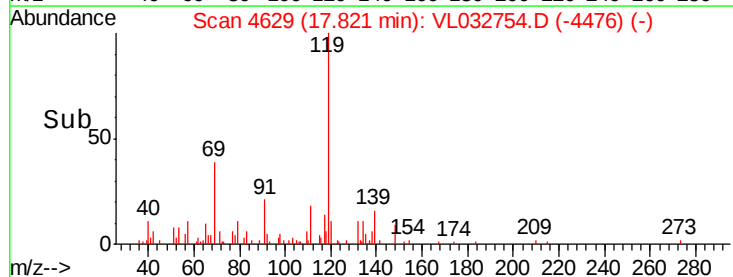
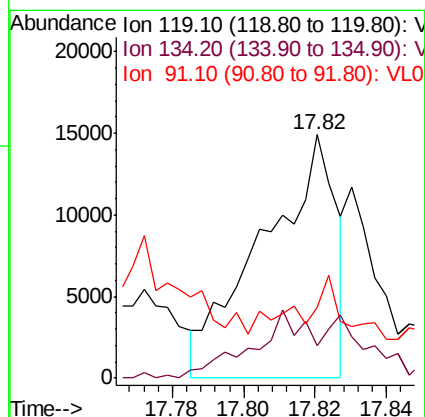
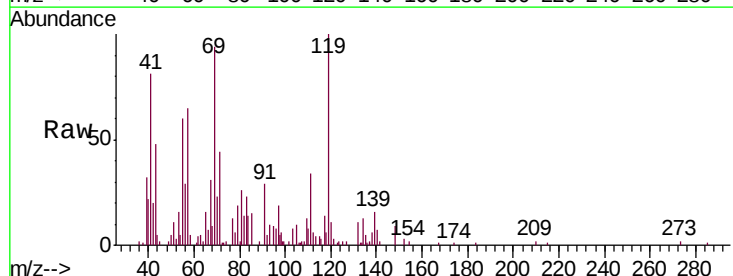
Instrument :
 MSVOA_L
 ClientSampleId :
 IASC1

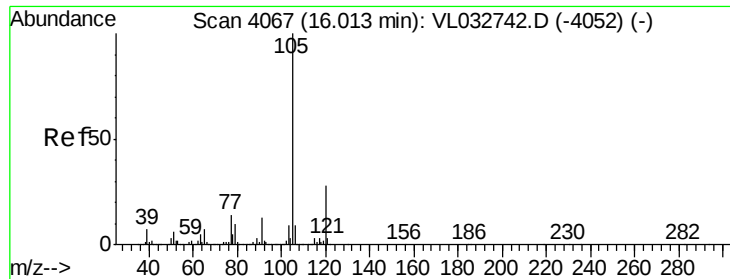
Tgt Ion: 95 Resp: 2256604
 Ion Ratio Lower Upper
 95 100
 174 63.6 50.7 76.1
 175 4.6 3.8 5.6



#69
 p-Isopropyltoluene
 Concen: 0.046 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.01 min
 Lab File: VL032754.D
 Acq: 14 Nov 2018 11:45

Tgt Ion: 119 Resp: 21238
 Ion Ratio Lower Upper
 119 100
 134 37.8 20.2 30.4#
 91 0.0 23.5 35.3#





#72

4-Ethyltoluene

Concen: 0.343 ppbv

RT: 16.00 min Scan# 4064

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

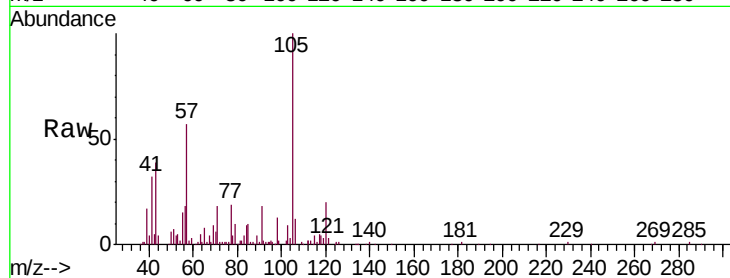
Instrument :

MSVOA_L

ClientSampleId :

IASC1

Tgt Ion:	105	Resp:	123927
Ion	Ratio	Lower	Upper
105	100		
120	33.6	22.9	34.3
91	20.0	10.6	15.8#
77	16.7	11.4	17.2

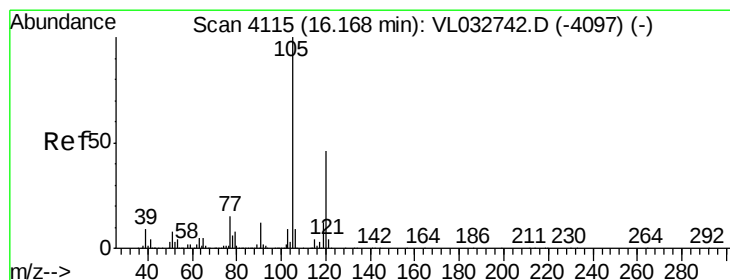
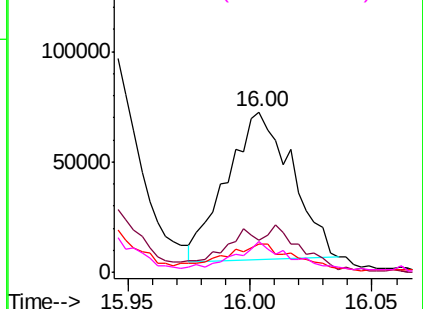
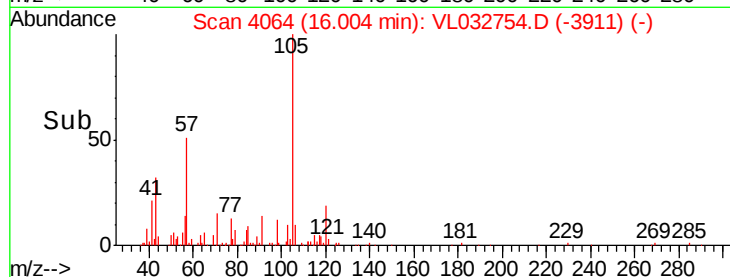


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.377 ppbv

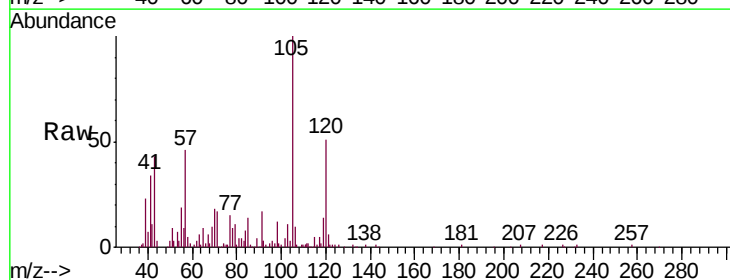
RT: 16.16 min Scan# 4113

Delta R.T. -0.01 min

Lab File: VL032754.D

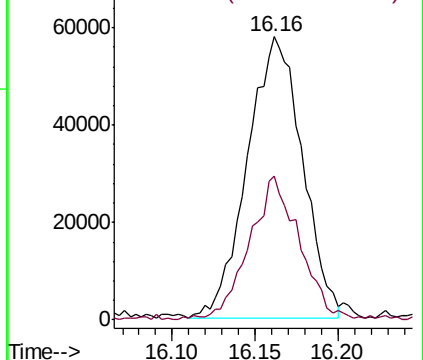
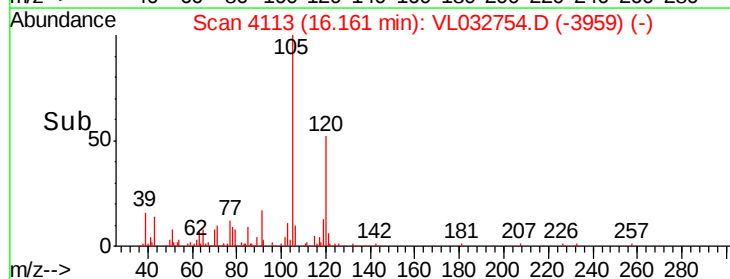
Acq: 14 Nov 2018 11:45

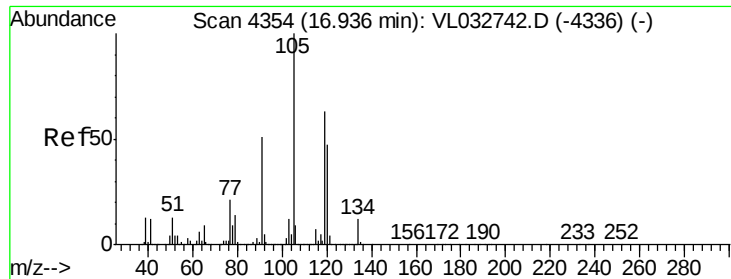
Tgt Ion:	105	Resp:	133016
Ion	Ratio	Lower	Upper
105	100		
120	50.8	36.6	55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.180 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

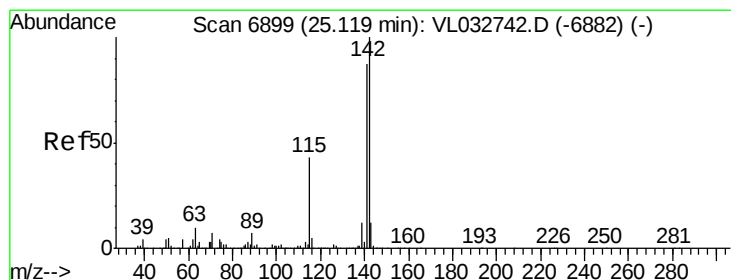
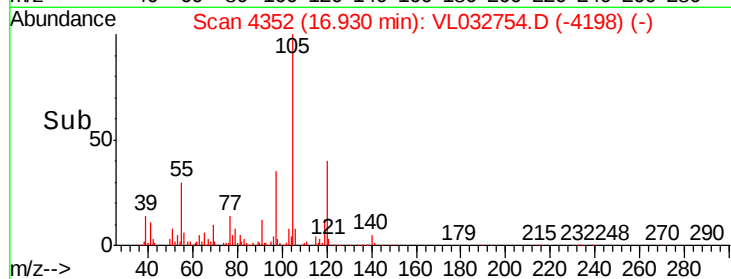
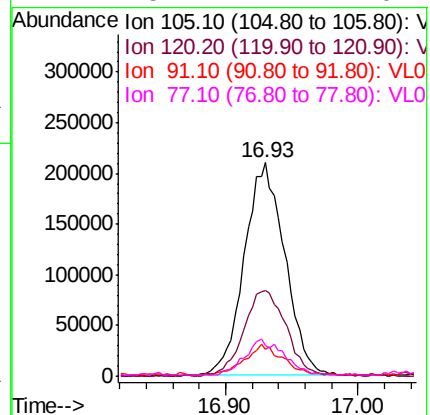
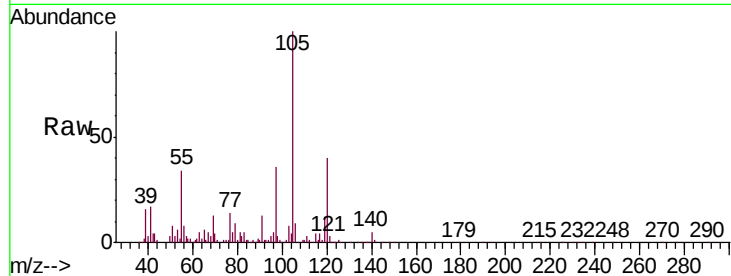
Instrument :

MSVOA_L

ClientSampleId :

IASC1

Tgt Ion:	105	Resp:	445781
Ion	Ratio	Lower	Upper
105	100		
120	40.4	37.6	56.4
91	12.0	42.5	63.7#
77	13.7	17.4	26.2#



#80

Naphthalene, 2-methyl-

Concen: 0.065 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.01 min

Lab File: VL032754.D

Acq: 14 Nov 2018 11:45

Tgt Ion:	142	Resp:	4038
Ion	Ratio	Lower	Upper
142	100		
141	75.8	68.7	103.1
115	34.0	35.5	53.3#

