

Data File : VL032840.D

Acq On : 29 Nov 2018 18:41

Operator : SY/AP

Sample : J6088-03

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IAS-2

Quant Time: Nov 30 06:25:15 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	1336266	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3403364	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3206444	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2483220	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

Target Compounds

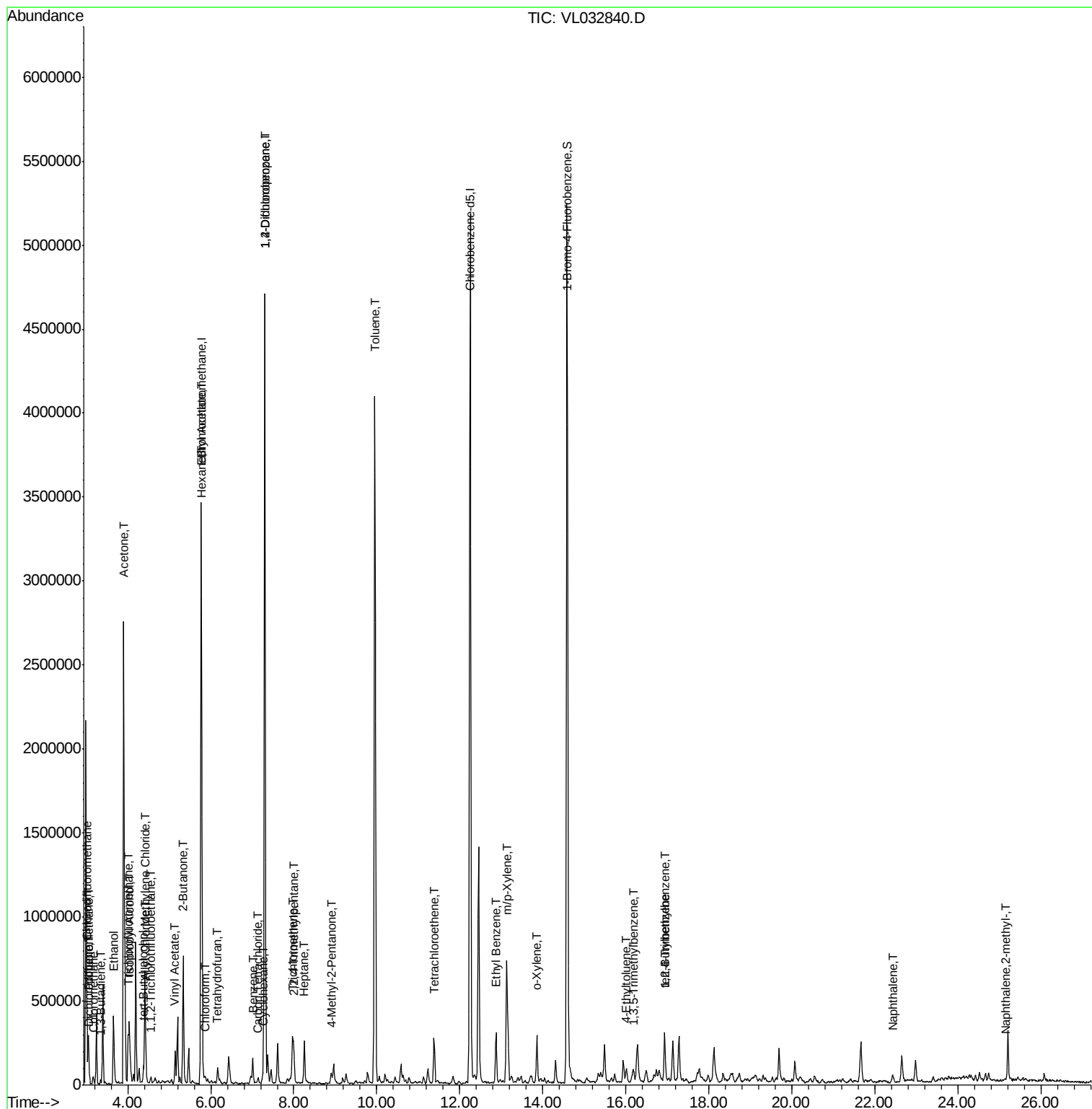
						Qvalue
2) Dichlorodifluoromethane	3.08	85	39170	0.204	ppbv	90
3) Chlorodifluoromethane	3.02	51	553614	5.226	ppbv #	90
4) Chloromethane	3.17	50	26898	0.458	ppbv	91
9) Propene	3.05	41	33016	0.779	ppbv	87
10) Heptane	8.26	43	78825	0.487	ppbv	98
11) Trichlorofluoromethane	4.01	101	183789	1.015	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.55	101	4969	0.034	ppbv #	14
13) Ethanol	3.65	45	442103	31.838	ppbv	100
15) Acetone	3.90	43	2909214	23.840	ppbv	97
16) 1,3-Butadiene	3.35	39	4863	0.103	ppbv #	42
17) tert-Butyl alcohol	4.37	59	6062	0.158	ppbv #	73
19) Isopropyl Alcohol	4.04	45	411064	5.057	ppbv #	95
20) Methylene Chloride	4.42	84	228725	3.621	ppbv	96
21) Allyl Chloride	4.44	41	16862	0.164	ppbv #	46
23) Vinyl Acetate	5.14	43	69504	0.312	ppbv #	1
25) Ethyl Acetate	5.78	43	163042	0.573	ppbv #	89
26) Hexane	5.79	57	338928	2.677	ppbv #	46
29) Chloroform	5.86	83	14978	0.066	ppbv	99
30) Cyclohexane	7.25	84	10163	0.092	ppbv #	1
34) 2-Butanone	5.33	43	830601	4.705	ppbv	99
35) Carbon Tetrachloride	7.14	117	10808	0.040	ppbv	99
36) Benzene	7.01	78	111830	0.413	ppbv	100
38) Trichloroethene	7.97	130	72807	0.664	ppbv	97
39) 1,2-Dichloropropane	7.30	63	845745	8.191	ppbv #	22
41) Tetrahydrofuran	6.17	42	36222	0.358	ppbv	94
44) 2,2,4-Trimethylpentane	8.00	57	171017	0.378	ppbv #	85
50) 4-Methyl-2-Pentanone	8.89	43	18960	0.069	ppbv #	43
52) Tetrachloroethene	11.39	164	62008	0.658	ppbv	95
53) Toluene	9.95	91	3216429	11.376	ppbv	99
58) Ethyl Benzene	12.88	91	245995	0.637	ppbv	96
59) m/p-Xylene	13.13	91	547344	1.593	ppbv #	79
60) o-Xylene	13.86	91	193652	0.561	ppbv	98
65) tert-Butylbenzene	16.93	119	13675	0.033	ppbv #	1
72) 4-Ethyltoluene	16.01	105	35682	0.094	ppbv #	72
73) 1,3,5-Trimethylbenzene	16.16	105	36798	0.099	ppbv #	86
74) 1,2,4-Trimethylbenzene	16.93	105	92336	0.233	ppbv #	68
79) Naphthalene	22.42	128	21903	0.084	ppbv	96
80) Naphthalene,2-methyl-	25.13	142	5266	0.081	ppbv #	68

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

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Instrument :
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ClientSampled :
IAS-2

Quant Time: Nov 30 06:25:15 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# 880

Delta R.T. -0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :
MSVOA_L
ClientSampleId :
IAS-2

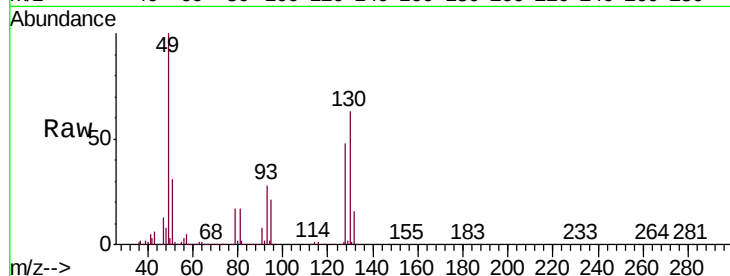
Tgt Ion: 49 Resp: 1336266

Ion Ratio Lower Upper

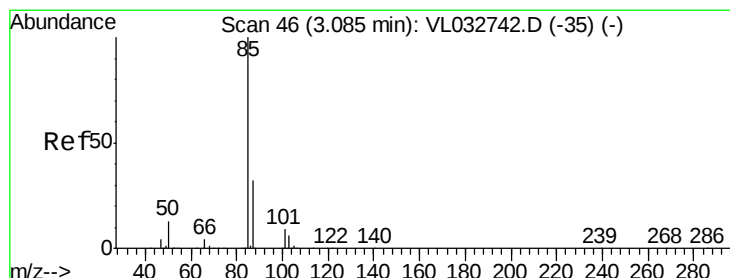
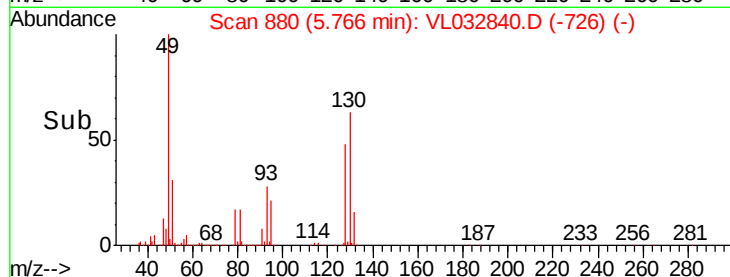
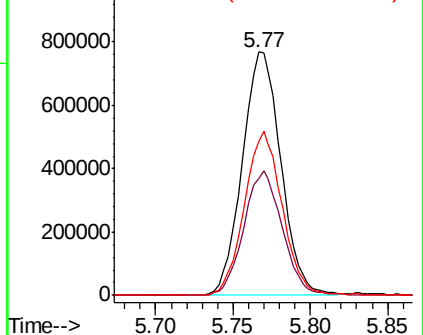
49 100

128 51.2 24.9 74.6

130 66.4 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: 0.204 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032840.D

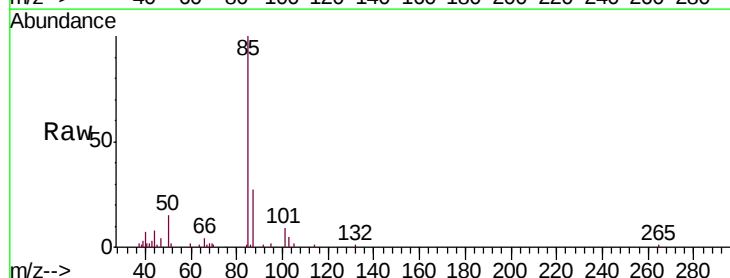
Acq: 29 Nov 2018 18:41

Tgt Ion: 85 Resp: 39170

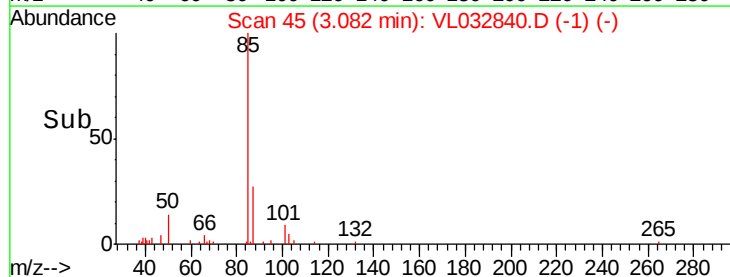
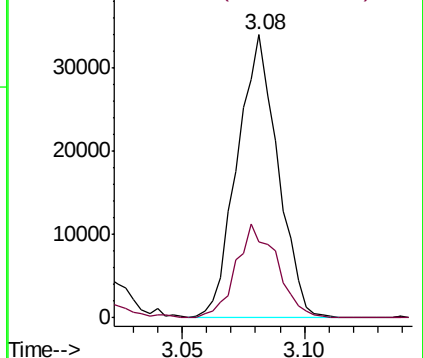
Ion Ratio Lower Upper

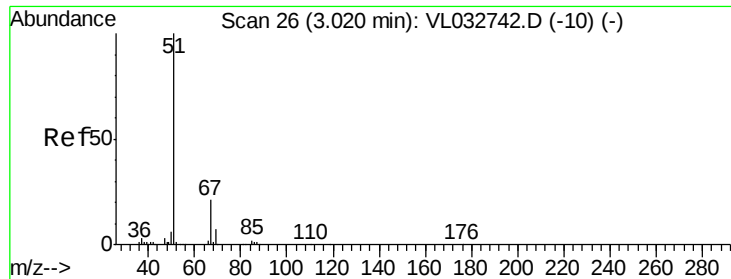
85 100

87 26.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

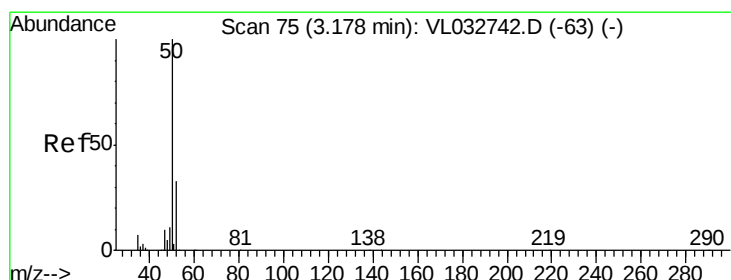
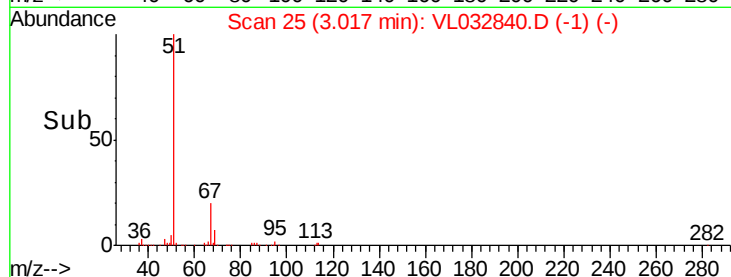
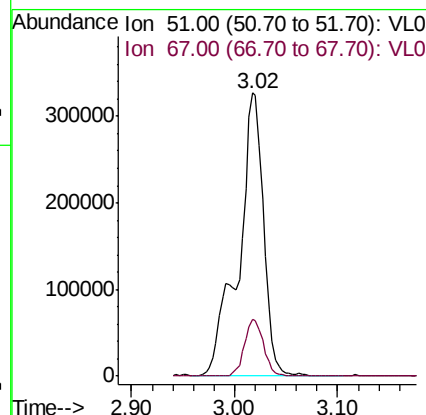
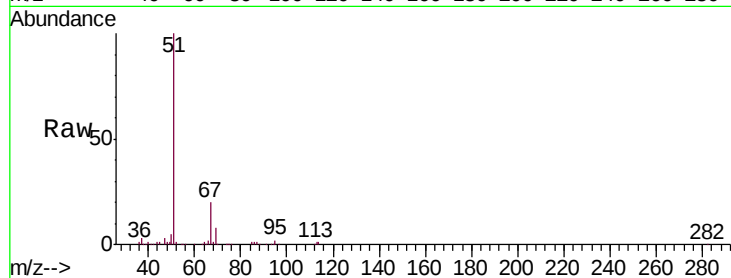




#3
 Chlorodifluoromethane
 Concen: 5.226 ppbv
 RT: 3.02 min Scan# 25
 Delta R.T. -0.00 min
 Lab File: VL032840.D
 Acq: 29 Nov 2018 18:41

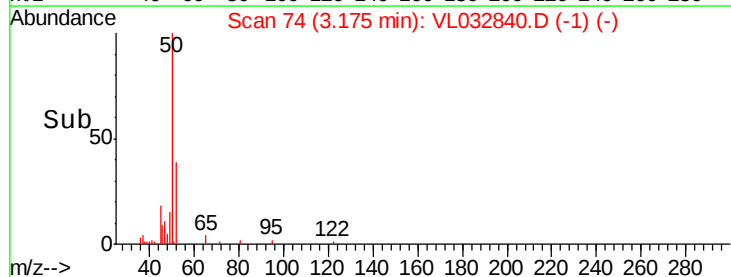
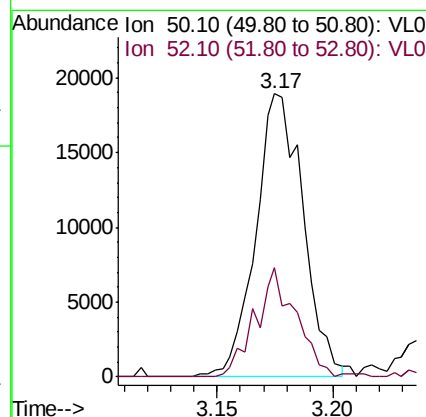
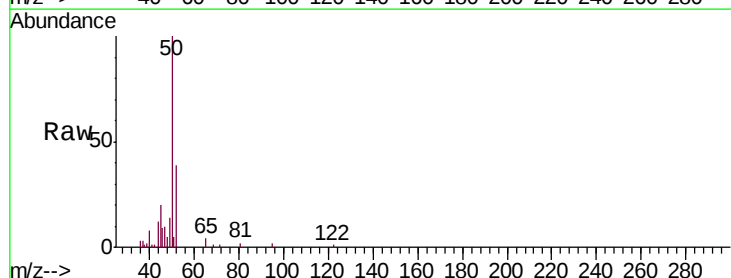
Instrument :
 MSVOA_L
 ClientSampleId :
 IAS-2

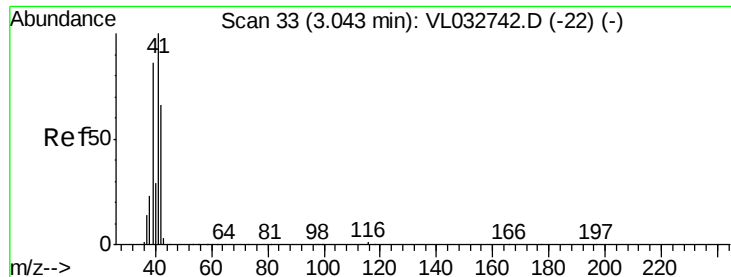
Tgt Ion: 51 Resp: 553614
 Ion Ratio Lower Upper
 51 100
 67 15.4 16.1 24.1#



#4
 Chloromethane
 Concen: 0.458 ppbv
 RT: 3.17 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: VL032840.D
 Acq: 29 Nov 2018 18:41

Tgt Ion: 50 Resp: 26898
 Ion Ratio Lower Upper
 50 100
 52 38.7 26.6 40.0





#9

Propene

Concen: 0.779 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

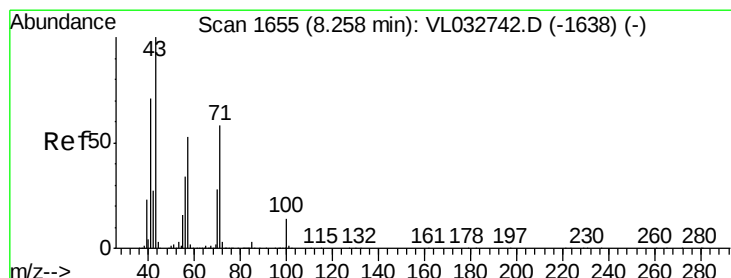
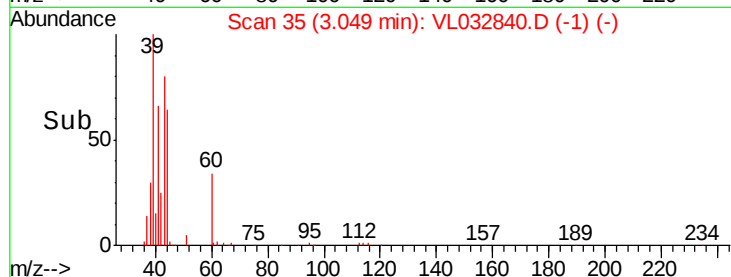
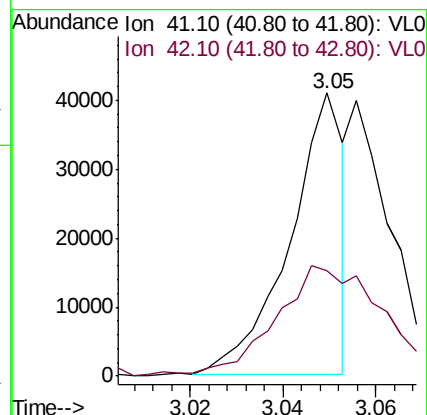
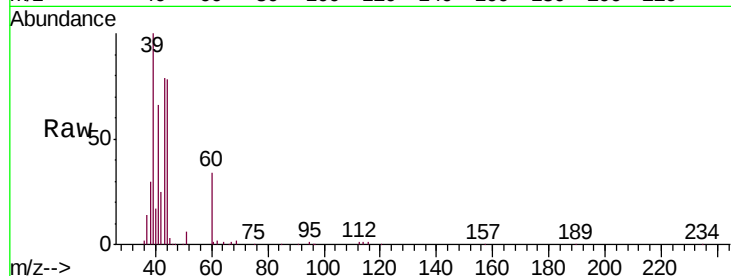
IAS-2

Tgt Ion: 41 Resp: 33016

Ion Ratio Lower Upper

41 100

42 79.6 55.0 82.6



#10

Heptane

Concen: 0.487 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032840.D

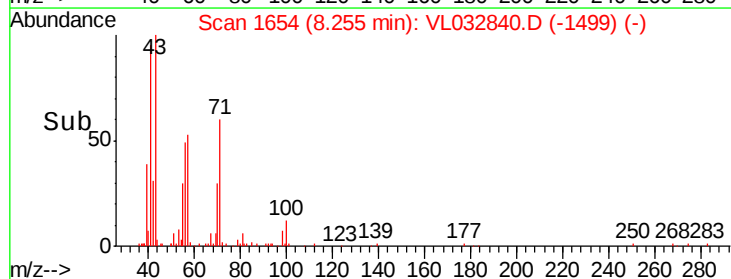
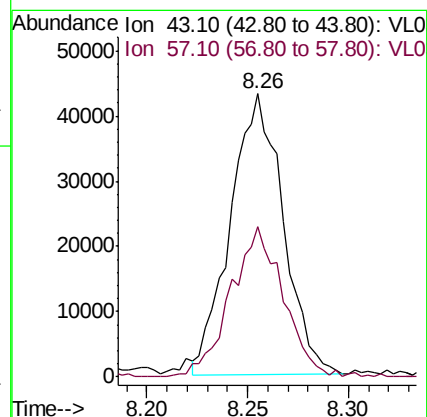
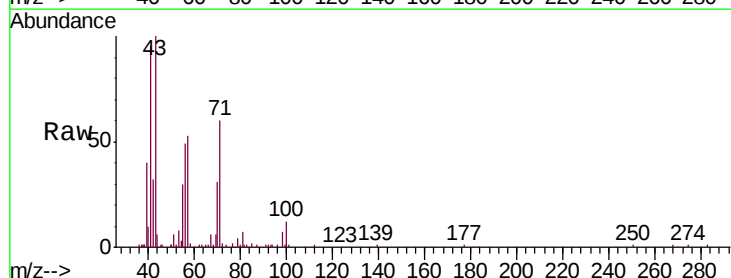
Acq: 29 Nov 2018 18:41

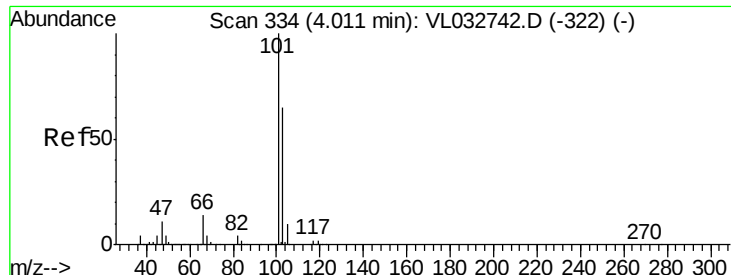
Tgt Ion: 43 Resp: 78825

Ion Ratio Lower Upper

43 100

57 53.5 41.8 62.8





#11

Trichlorofluoromethane

Concen: 1.015 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

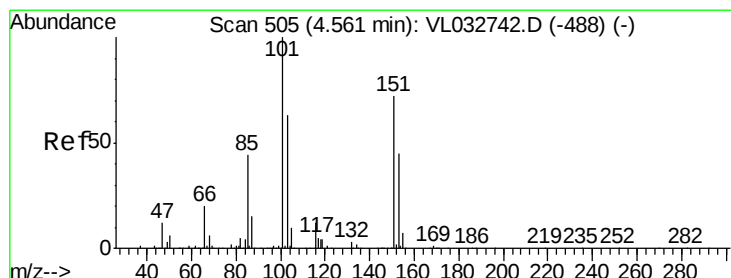
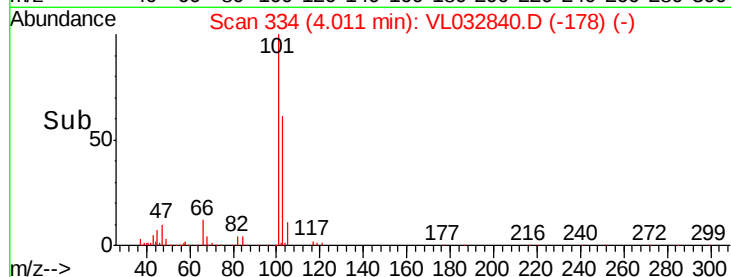
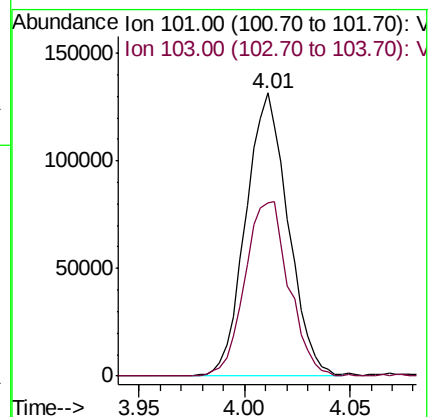
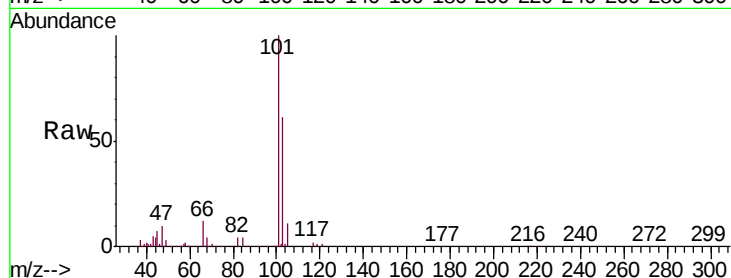
IAS-2

Tgt Ion:101 Resp: 183789

Ion Ratio Lower Upper

101 100

103 61.1 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.034 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.01 min

Lab File: VL032840.D

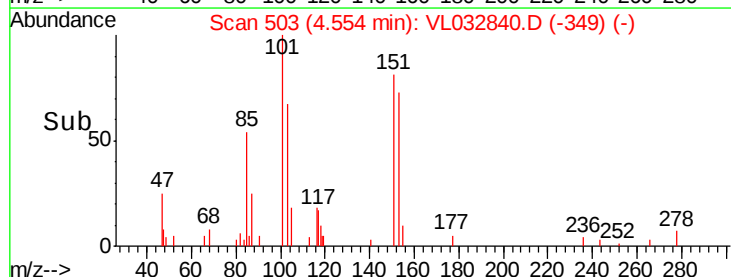
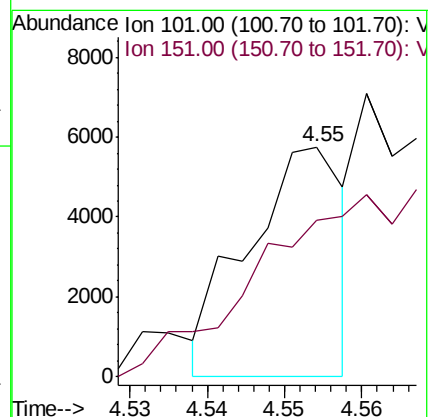
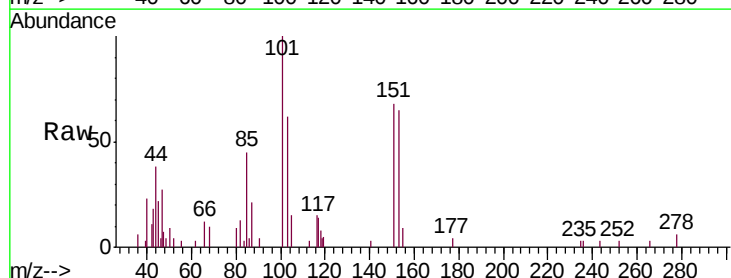
Acq: 29 Nov 2018 18:41

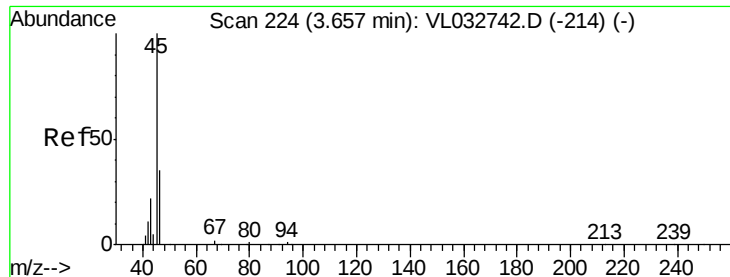
Tgt Ion:101 Resp: 4969

Ion Ratio Lower Upper

101 100

151 0.0 56.7 85.1#





#13

Ethanol

Concen: 31.838 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

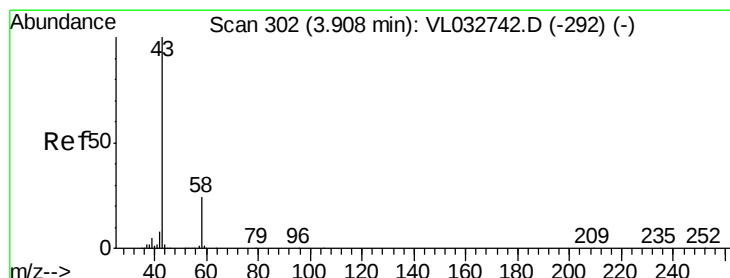
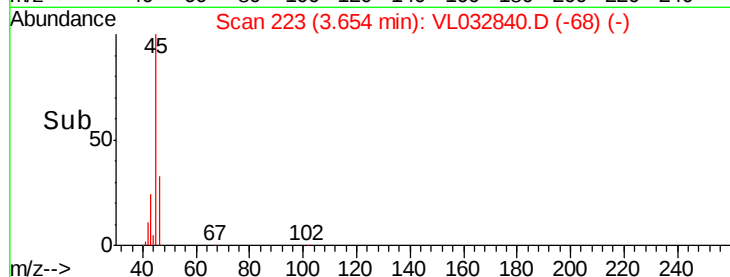
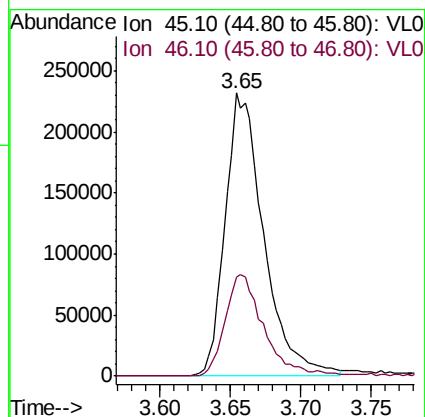
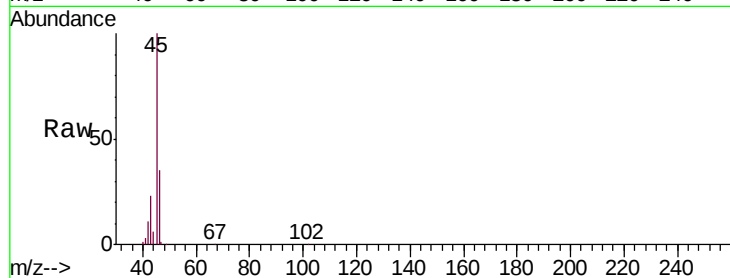
IAS-2

Tgt Ion: 45 Resp: 442103

Ion Ratio Lower Upper

45 100

46 35.9 14.5 57.9



#15

Acetone

Concen: 23.840 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.01 min

Lab File: VL032840.D

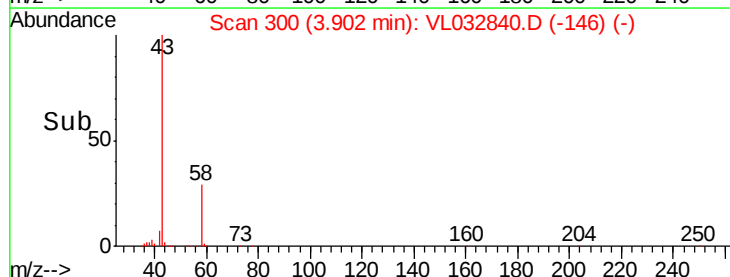
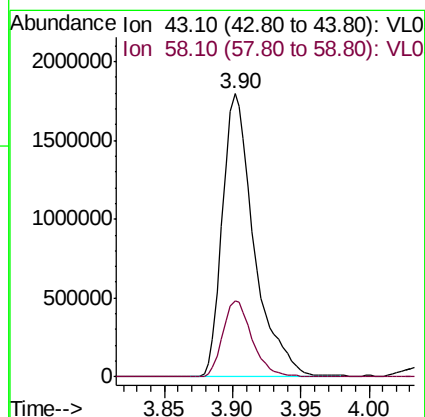
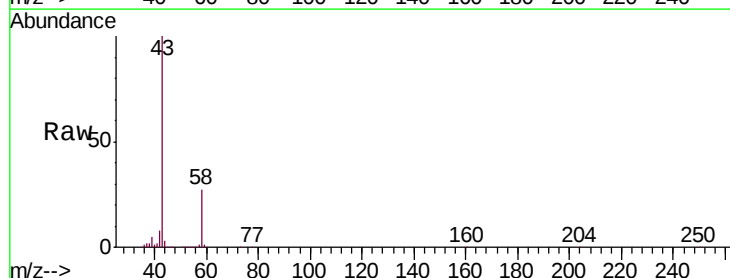
Acq: 29 Nov 2018 18:41

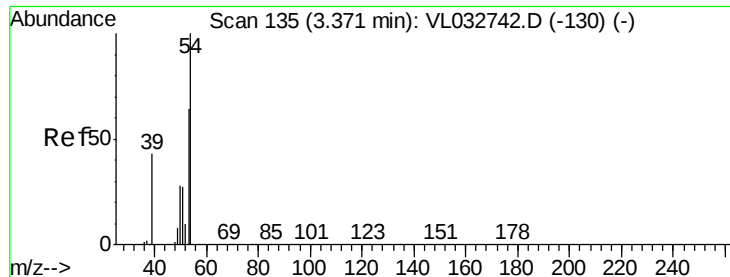
Tgt Ion: 43 Resp: 2909214

Ion Ratio Lower Upper

43 100

58 25.0 21.1 31.7

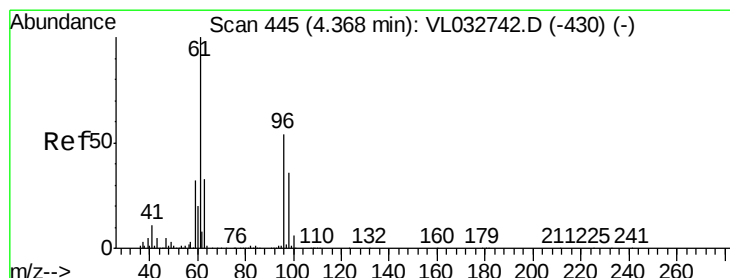
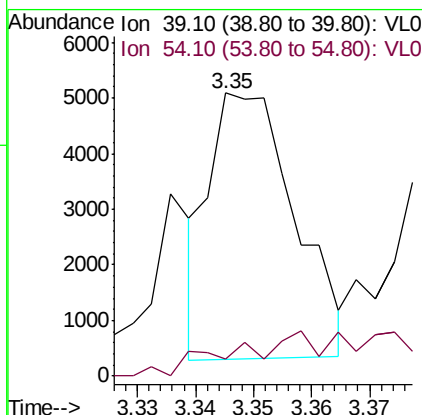
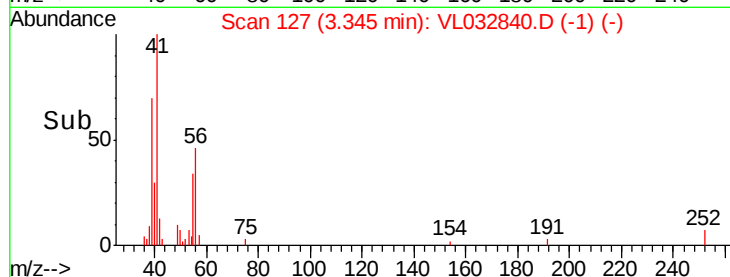
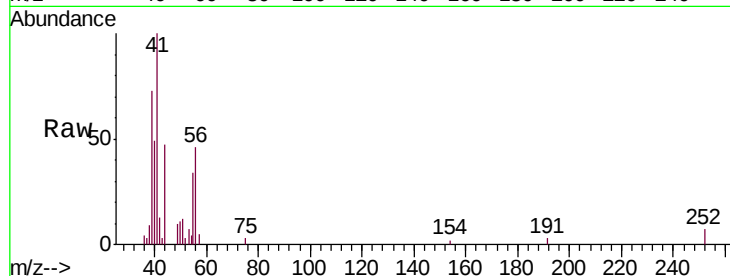




#16
1,3-Butadiene
Concen: 0.103 ppbv
RT: 3.35 min Scan# 127
Delta R.T. -0.03 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

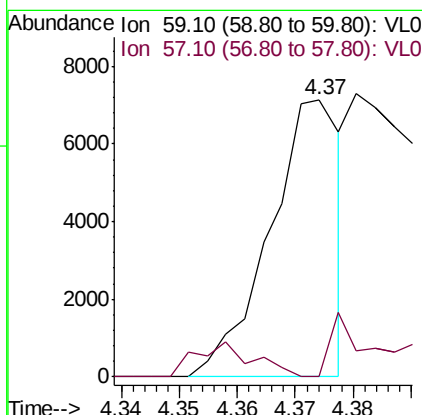
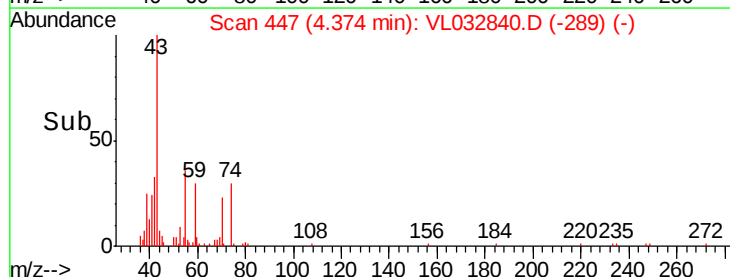
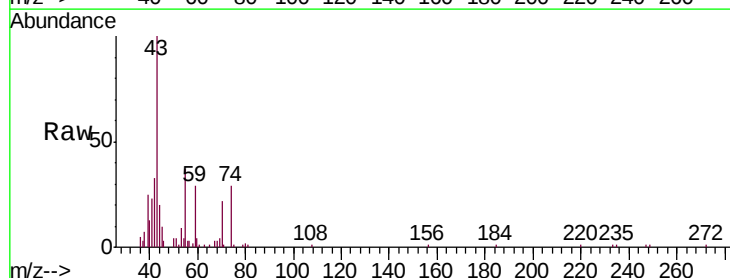
Instrument :
MSVOA_L
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IAS-2

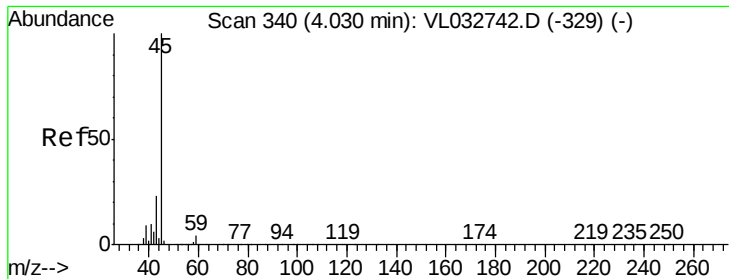
Tgt Ion: 39 Resp: 4863
Ion Ratio Lower Upper
39 100
54 32.7 68.9 103.3#



#17
tert-Butyl alcohol
Concen: 0.158 ppbv
RT: 4.37 min Scan# 447
Delta R.T. 0.01 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

Tgt Ion: 59 Resp: 6062
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

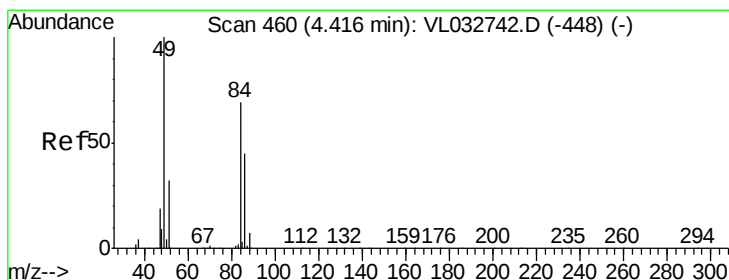
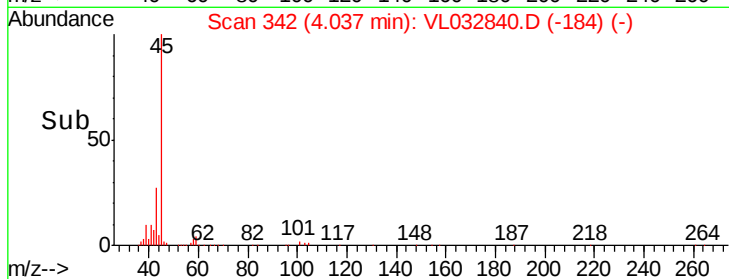
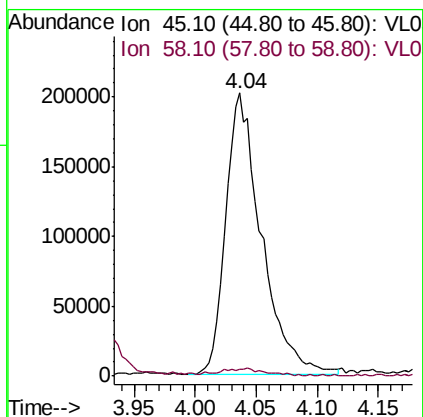
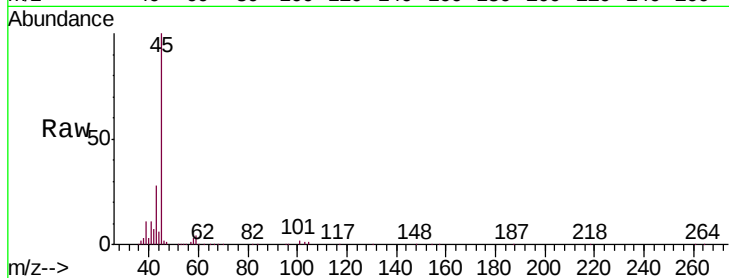




#19
Isopropyl Alcohol
Concen: 5.057 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

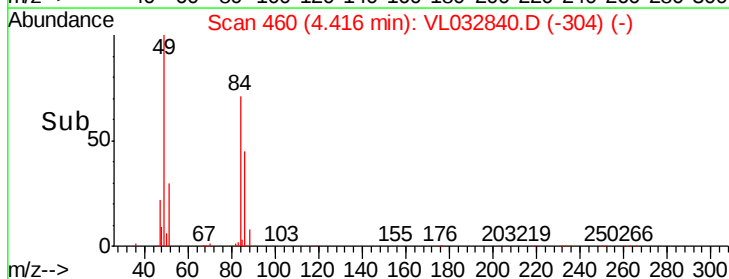
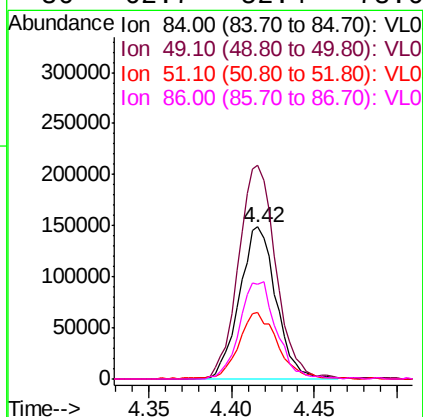
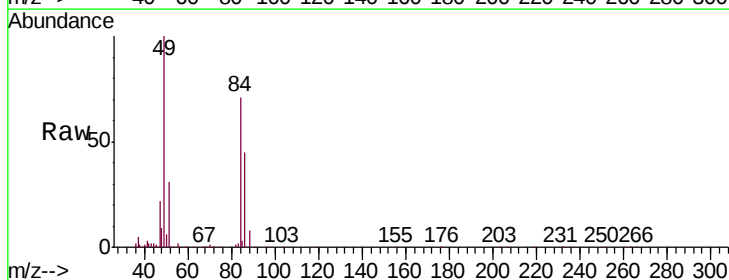
Instrument :
MSVOA_L
ClientSampleId :
IAS-2

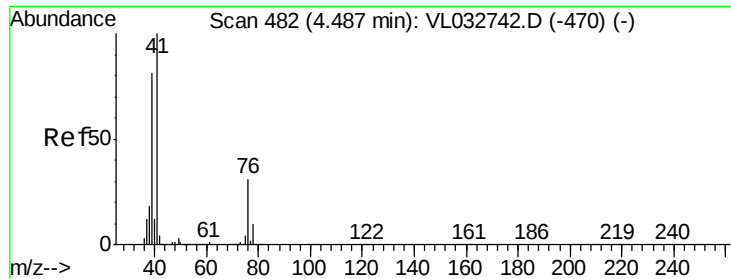
Tgt Ion: 45 Resp: 411064
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#



#20
Methylene Chloride
Concen: 3.621 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

Tgt Ion: 84 Resp: 228725
Ion Ratio Lower Upper
84 100
49 140.5 115.8 173.6
51 42.9 36.9 55.3
86 62.7 52.4 78.6





#21

Allyl Chloride

Concen: 0.164 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.05 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-2

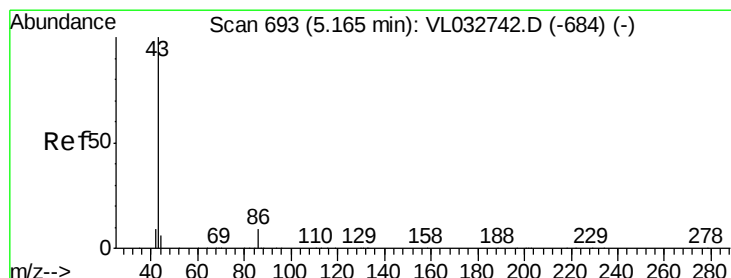
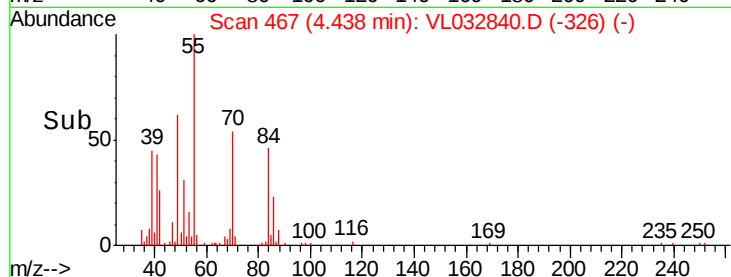
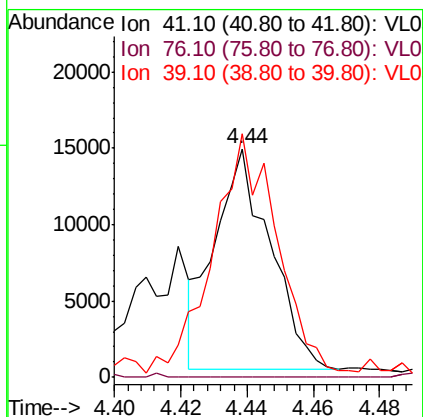
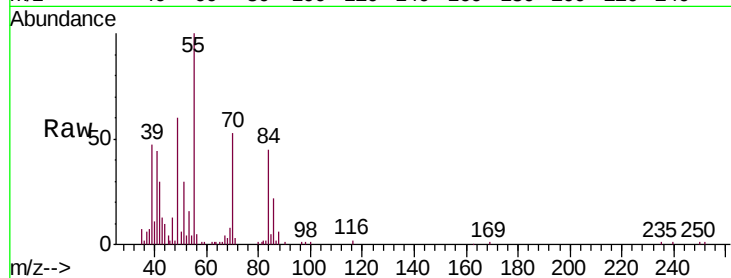
Tgt Ion: 41 Resp: 16862

Ion Ratio Lower Upper

41 100

76 0.0 24.4 36.6#

39 125.8 63.5 95.3#



#23

Vinyl Acetate

Concen: 0.312 ppbv

RT: 5.14 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Tgt Ion: 43 Resp: 69504

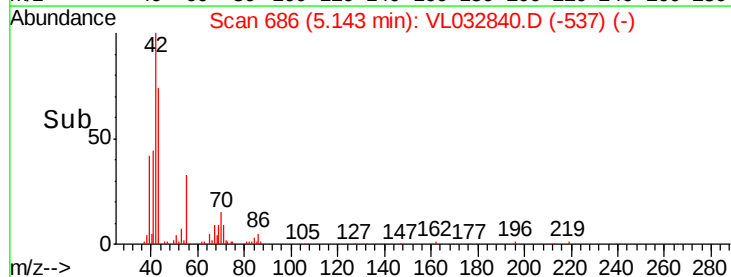
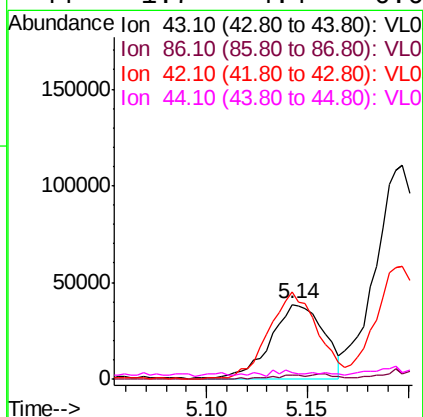
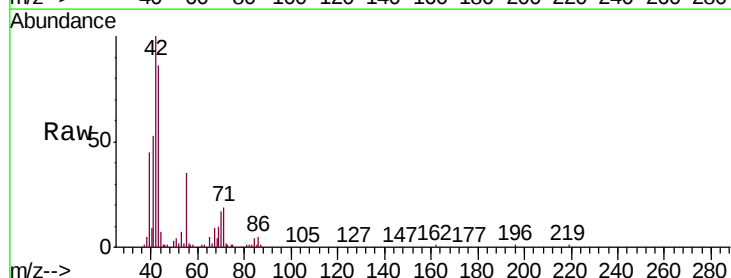
Ion Ratio Lower Upper

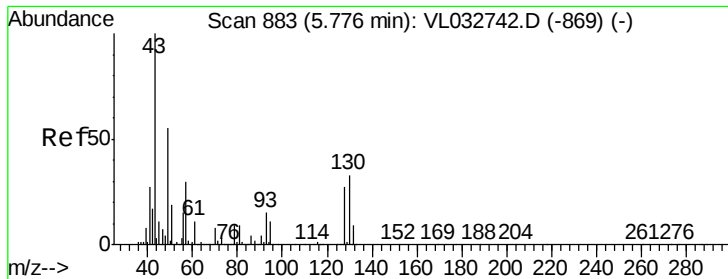
43 100

86 5.4 6.2 9.4#

42 116.9 7.8 11.6#

44 1.7 4.4 6.6#





#25

Ethyl Acetate

Concen: 0.573 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-2

Tgt Ion: 43 Resp: 163042

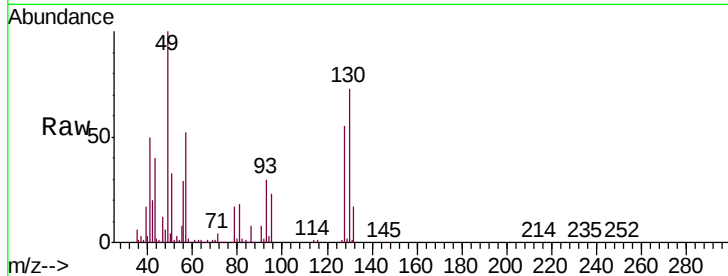
Ion Ratio Lower Upper

43 100

45 5.8 7.9 11.9#

61 4.1 7.8 11.6#

70 5.4 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

200000

150000

100000

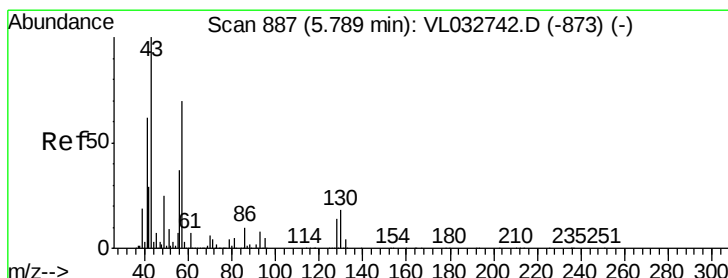
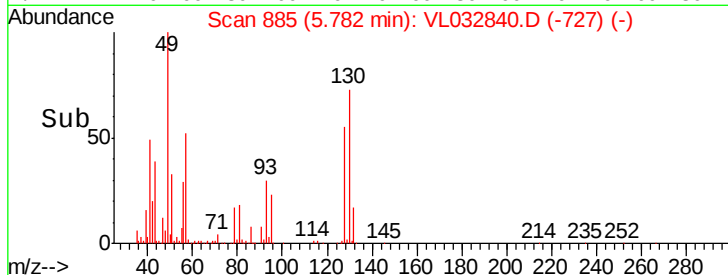
50000

0

5.75

5.80

Time-->



#26

Hexane

Concen: 2.677 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Tgt Ion: 57 Resp: 338928

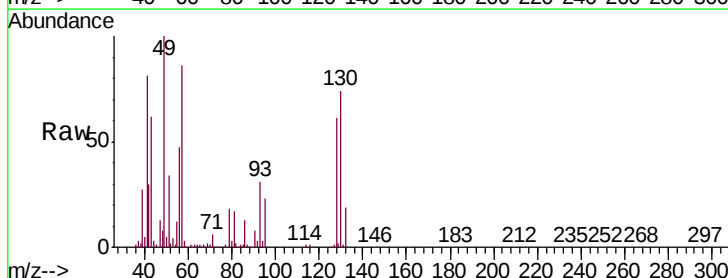
Ion Ratio Lower Upper

57 100

41 95.8 70.3 105.5

43 83.4 174.0 261.0#

56 56.0 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

300000

250000

200000

150000

100000

50000

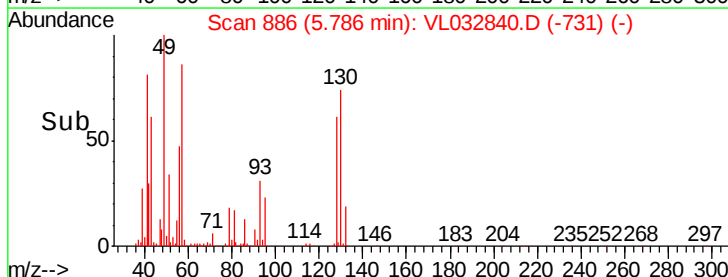
0

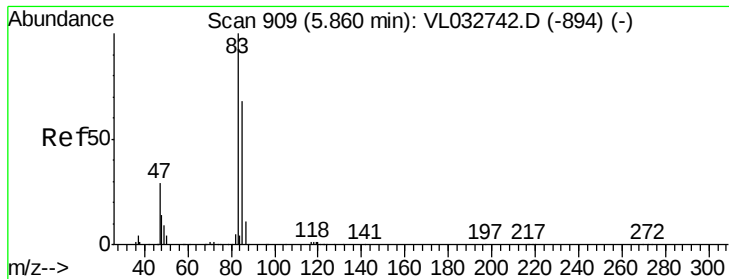
5.75

5.80

5.85

Time-->

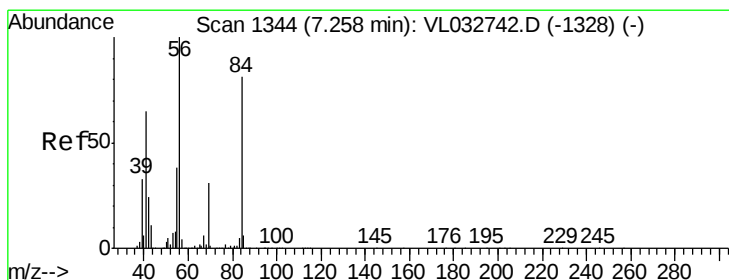
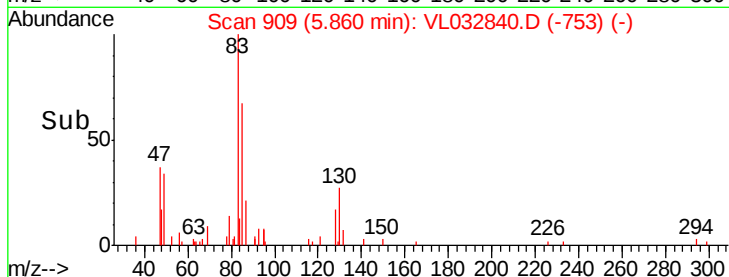
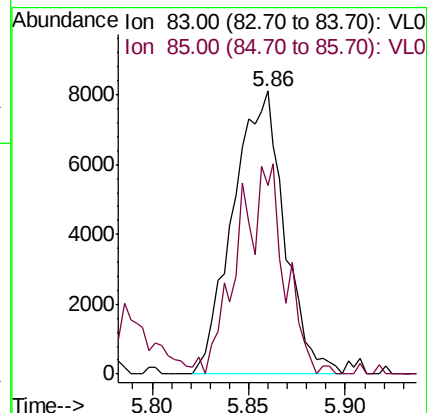
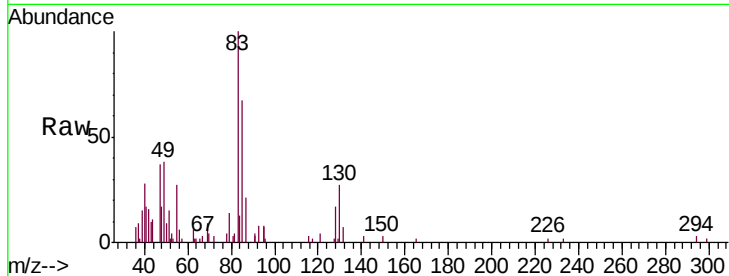




#29
Chloroform
Concen: 0.066 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

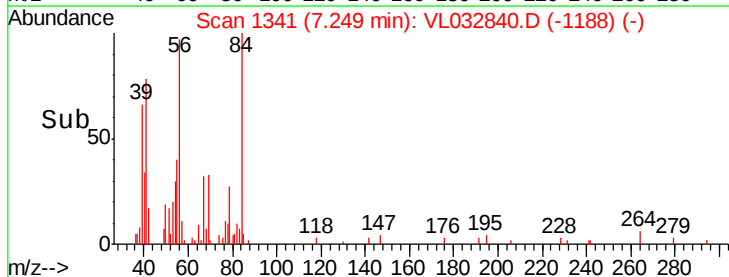
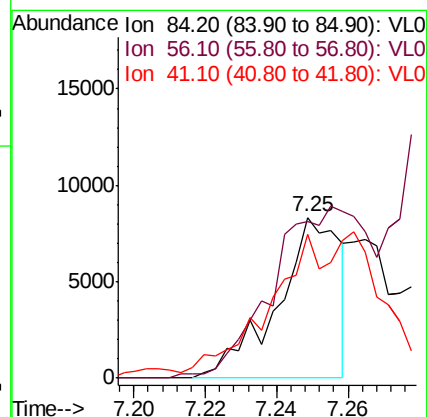
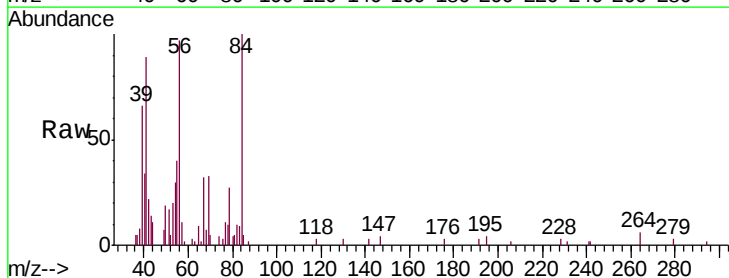
Instrument :
MSVOA_L
ClientSampleId :
IAS-2

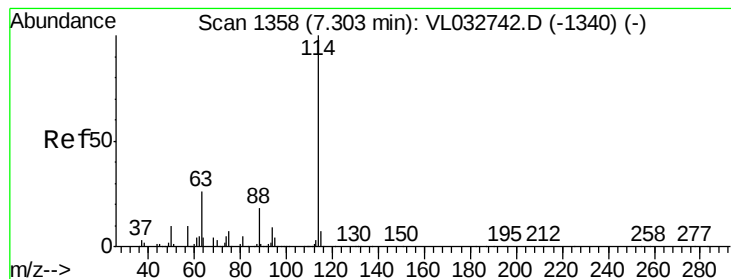
Tgt Ion: 83 Resp: 14978
Ion Ratio Lower Upper
83 100
85 66.7 54.2 81.4



#30
Cyclohexane
Concen: 0.092 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

Tgt Ion: 84 Resp: 10163
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 0.0 65.3 97.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-2

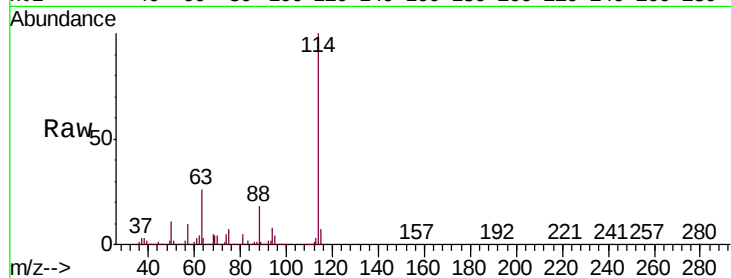
Tgt Ion:114 Resp: 3403364

Ion Ratio Lower Upper

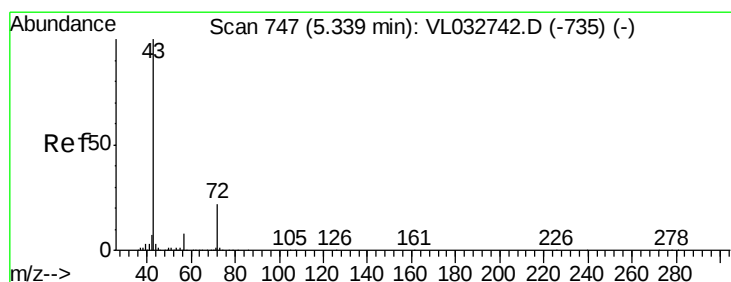
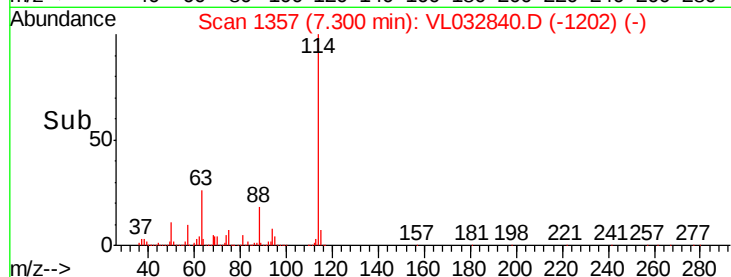
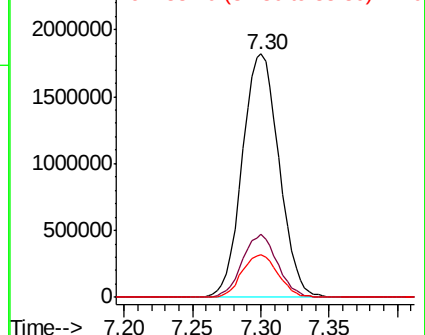
114 100

63 25.0 20.9 31.3

88 17.4 14.4 21.6



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



#34

2-Butanone

Concen: 4.705 ppbv

RT: 5.33 min Scan# 745

Delta R.T. -0.01 min

Lab File: VL032840.D

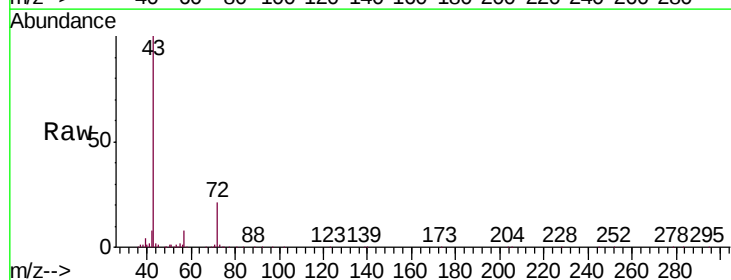
Acq: 29 Nov 2018 18:41

Tgt Ion: 43 Resp: 830601

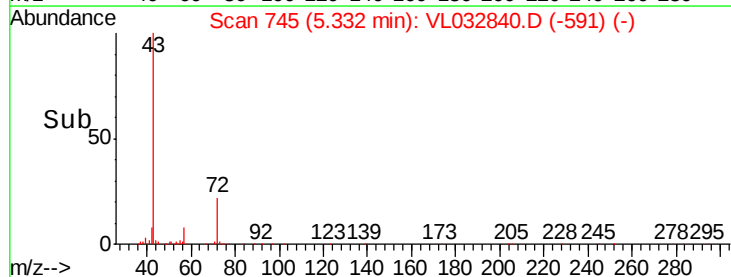
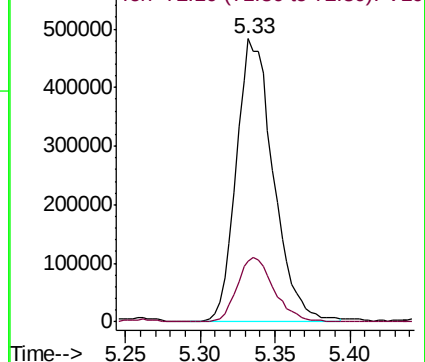
Ion Ratio Lower Upper

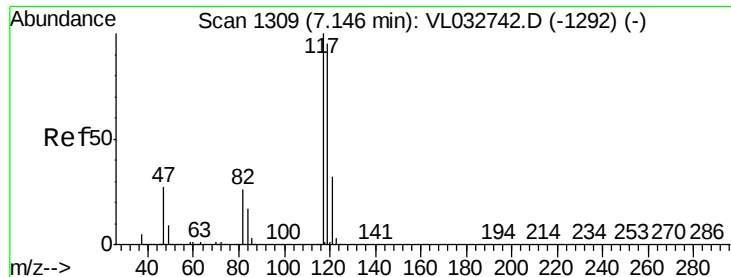
43 100

72 22.5 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.040 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-2

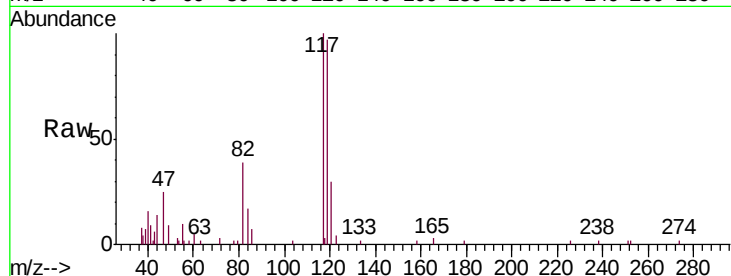
Tgt Ion: 117 Resp: 10808

Ion Ratio Lower Upper

117 100

119 95.7 76.1 114.1

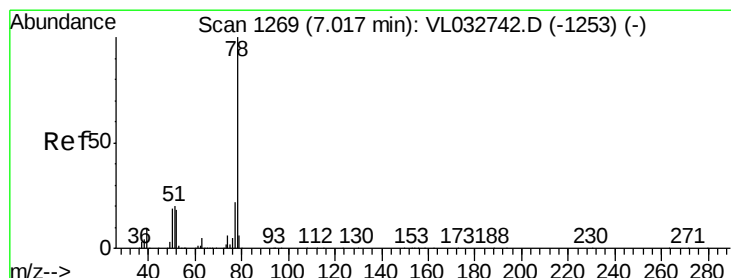
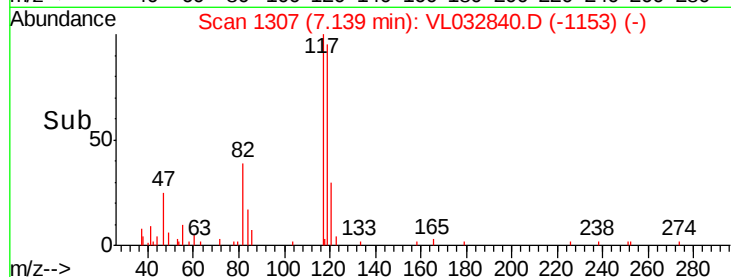
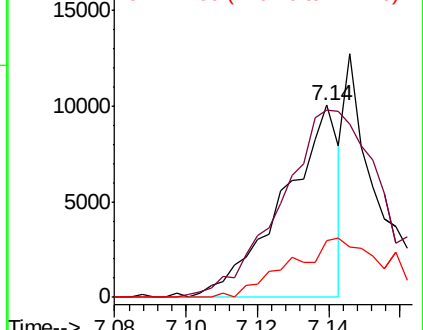
121 29.6 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.413 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

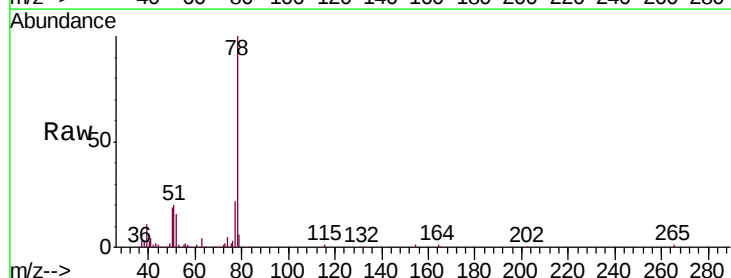
Tgt Ion: 78 Resp: 111830

Ion Ratio Lower Upper

78 100

77 22.4 17.8 26.8

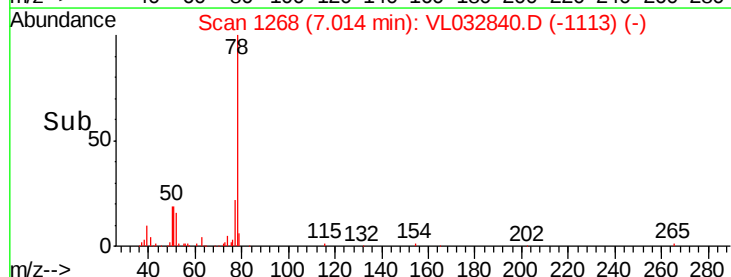
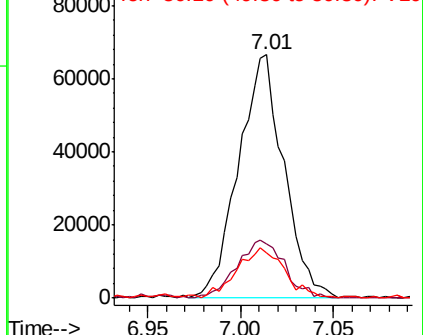
50 18.9 15.4 23.0

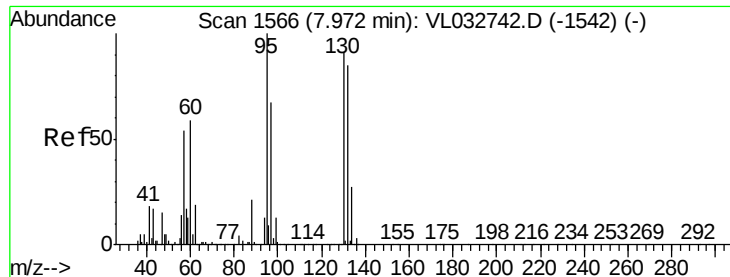


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.664 ppbv

RT: 7.97 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-2

Tgt Ion:130 Resp: 72807

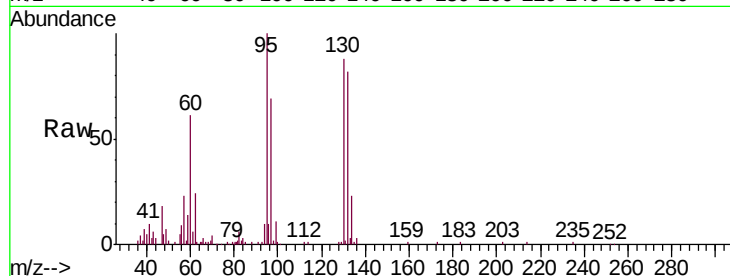
Ion Ratio Lower Upper

130 100

95 113.6 87.7 131.5

132 91.3 74.6 111.8

97 77.1 58.3 87.5

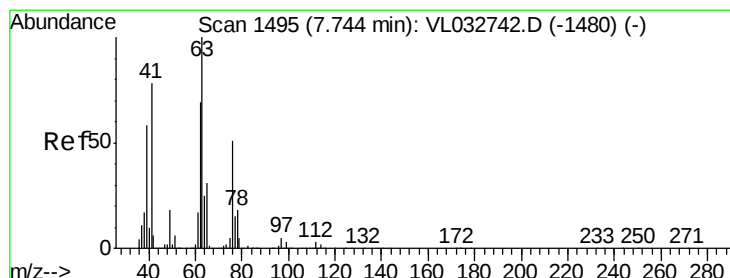
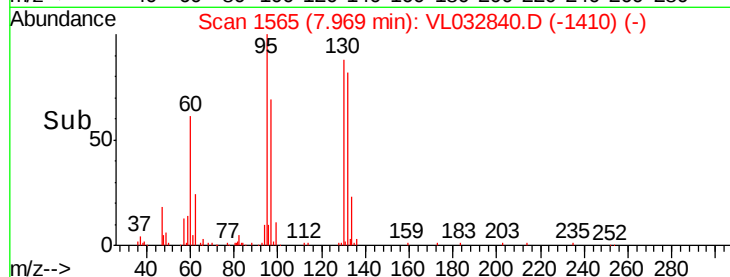
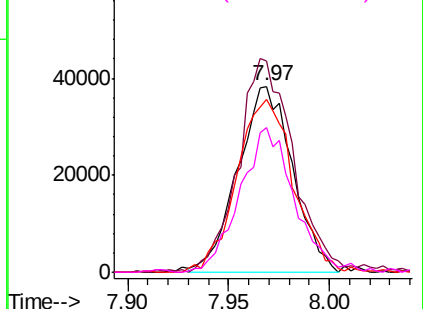


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 8.191 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

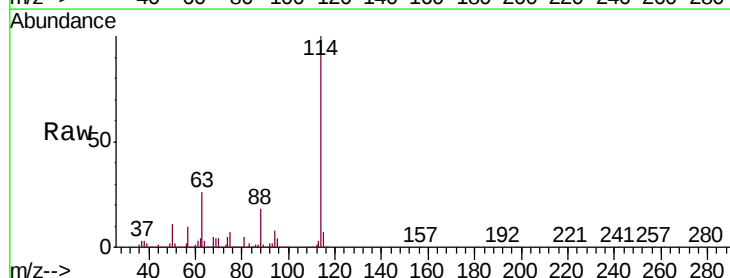
Tgt Ion: 63 Resp: 845745

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

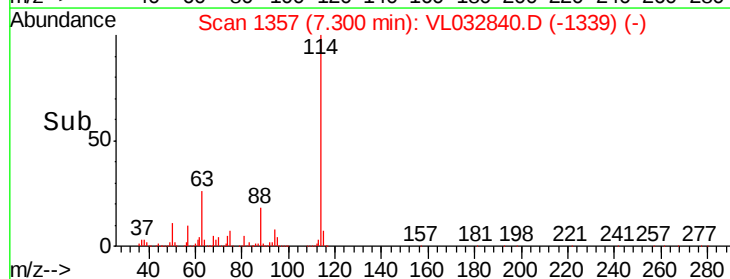
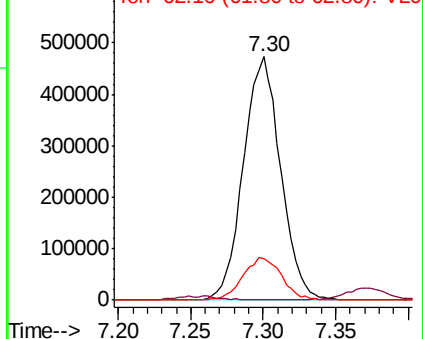
62 16.9 55.4 83.2#

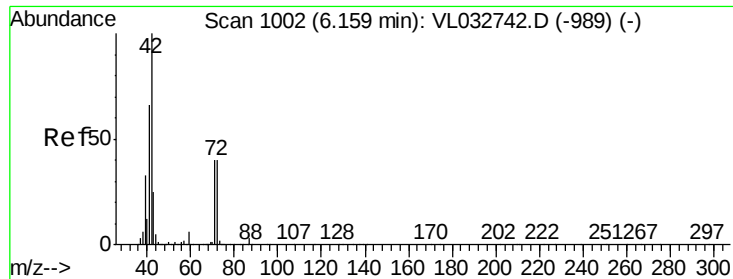


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

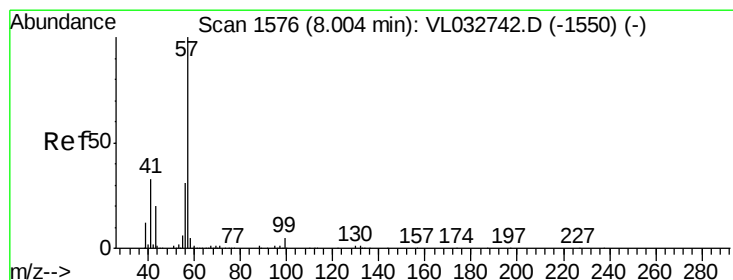
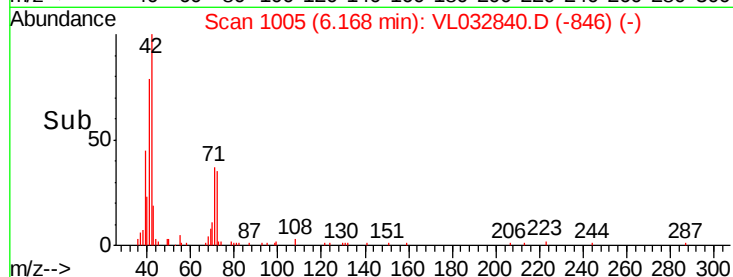
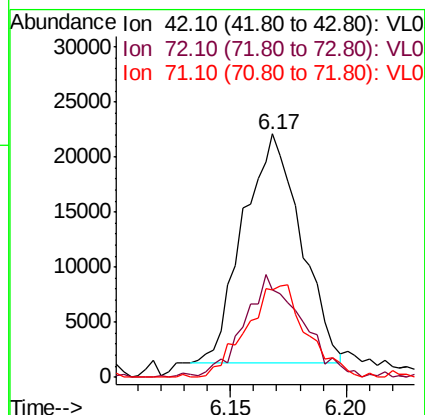
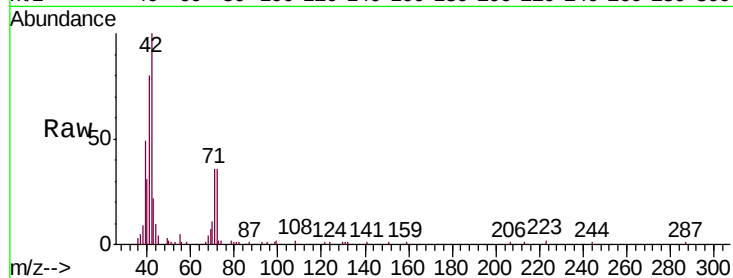




#41
Tetrahydrofuran
Concen: 0.358 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

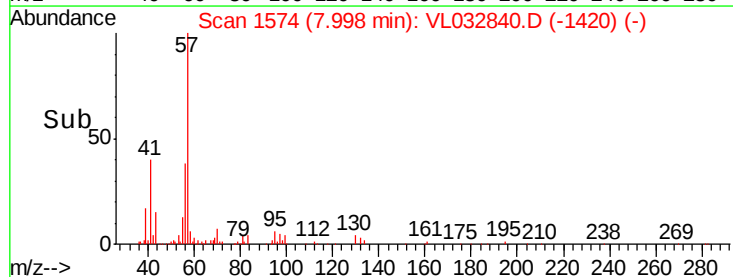
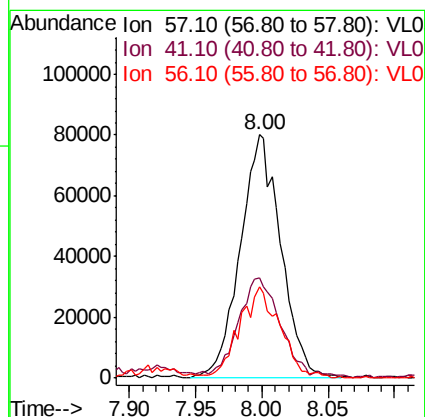
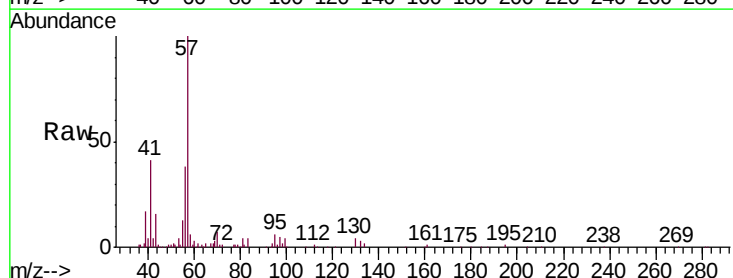
Instrument :
MSVOA_L
ClientSampleId :
IAS-2

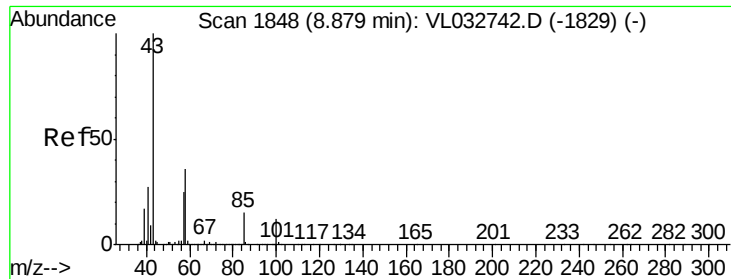
Tgt Ion: 42 Resp: 36222
Ion Ratio Lower Upper
42 100
72 45.8 32.4 48.6
71 42.1 31.6 47.4



#44
2,2,4-Trimethylpentane
Concen: 0.378 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

Tgt Ion: 57 Resp: 171017
Ion Ratio Lower Upper
57 100
41 43.3 26.6 39.8#
56 37.5 24.8 37.2#

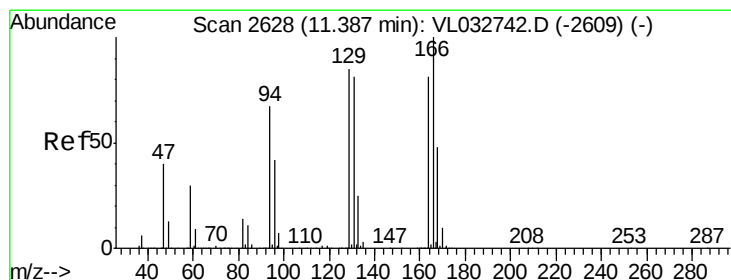
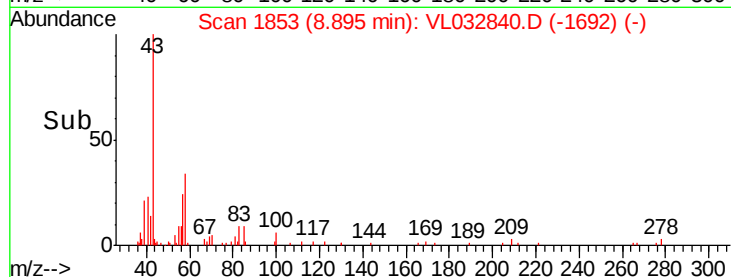
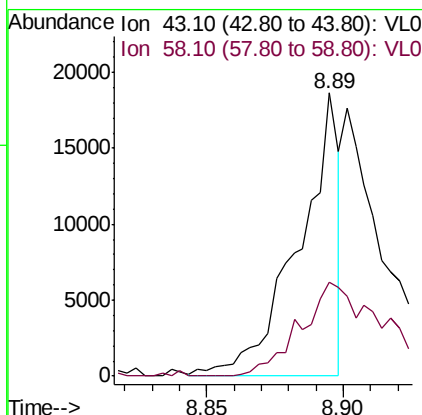
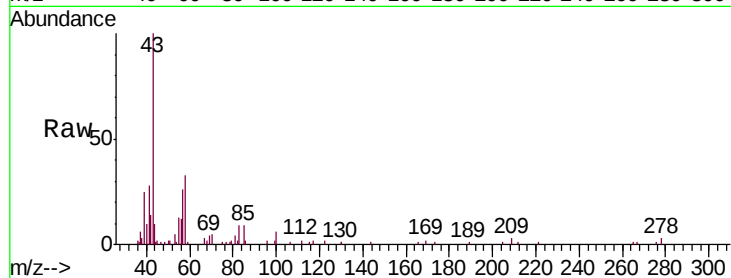




#50
 4-Methyl-2-Pentanone
 Concen: 0.069 ppbv
 RT: 8.89 min Scan# 1853
 Delta R.T. 0.02 min
 Lab File: VL032840.D
 Acq: 29 Nov 2018 18:41

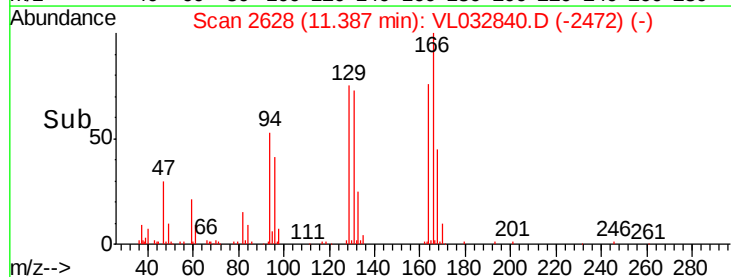
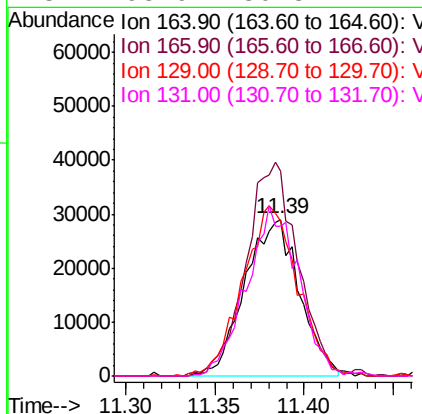
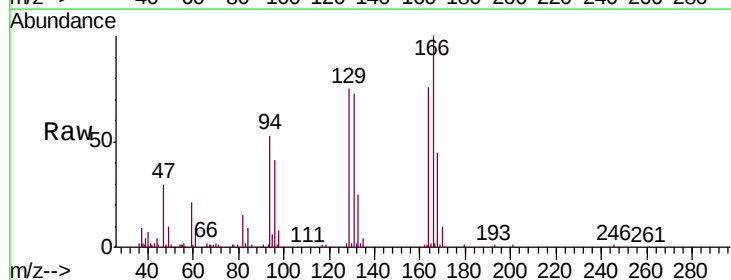
Instrument :
 MSVOA_L
 ClientSampled :
 IAS-2

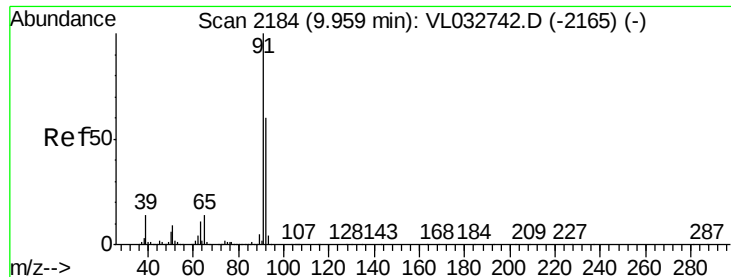
Tgt Ion: 43 Resp: 18960
 Ion Ratio Lower Upper
 43 100
 58 69.7 28.8 43.2#



#52
 Tetrachloroethene
 Concen: 0.658 ppbv
 RT: 11.39 min Scan# 2628
 Delta R.T. 0.00 min
 Lab File: VL032840.D
 Acq: 29 Nov 2018 18:41

Tgt Ion: 164 Resp: 62008
 Ion Ratio Lower Upper
 164 100
 166 128.9 99.3 148.9
 129 98.8 83.9 125.9
 131 95.9 80.8 121.2





#53

Toluene

Concen: 11.376 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

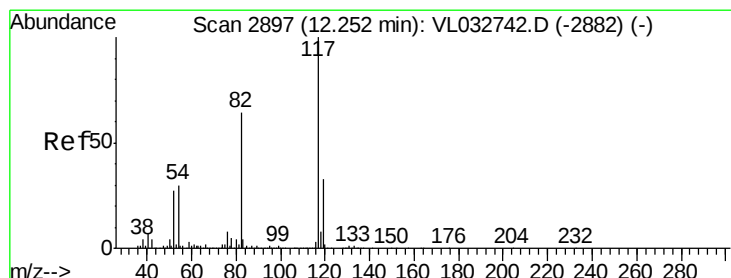
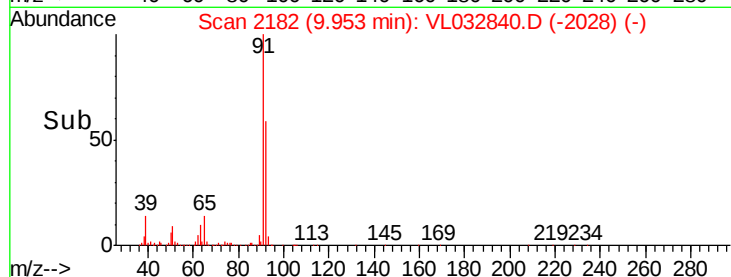
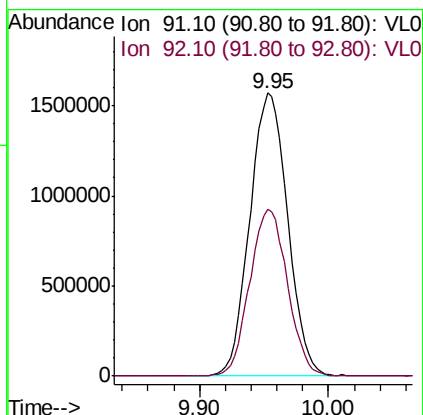
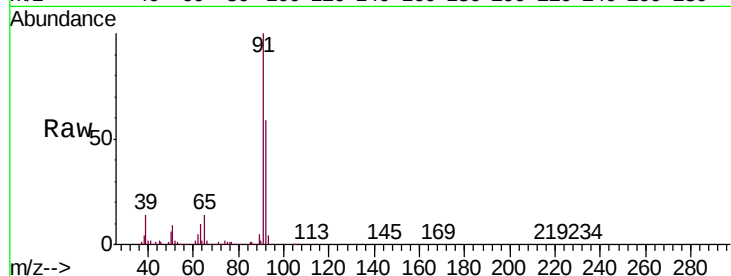
IAS-2

Tgt Ion: 91 Resp: 3216429

Ion Ratio Lower Upper

91 100

92 59.1 47.9 71.9



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

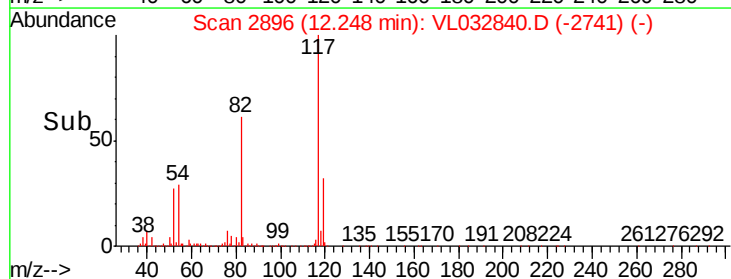
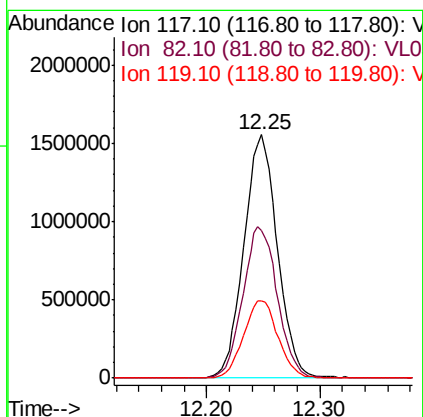
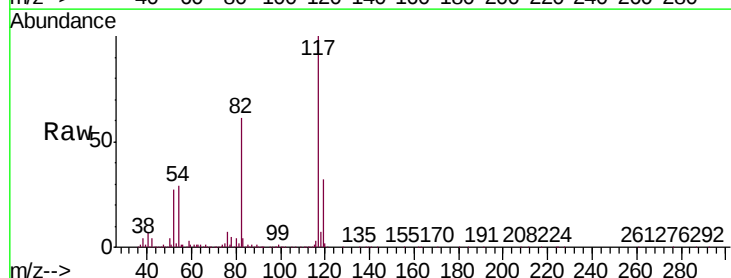
Tgt Ion: 117 Resp: 3206444

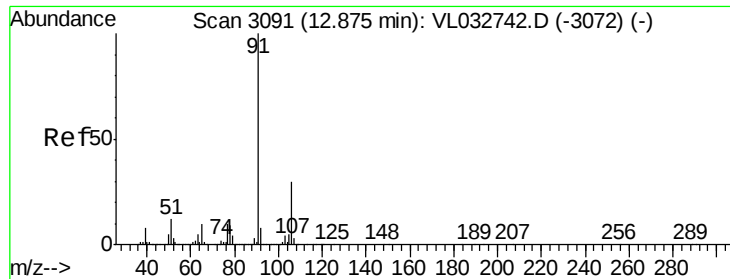
Ion Ratio Lower Upper

117 100

82 64.2 51.0 76.6

119 33.1 28.0 42.0





#58

Ethyl Benzene

Concen: 0.637 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampled :

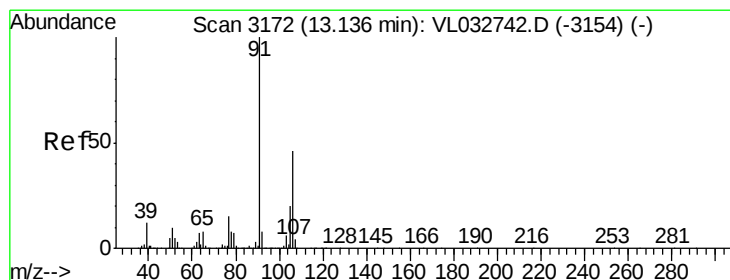
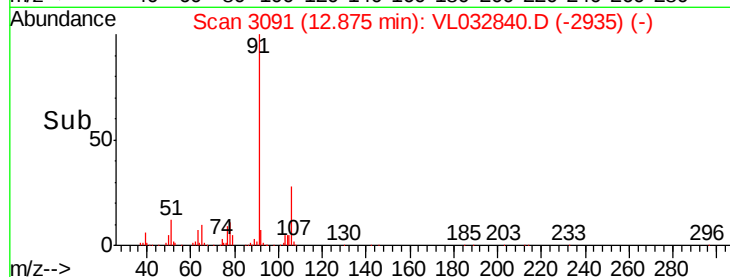
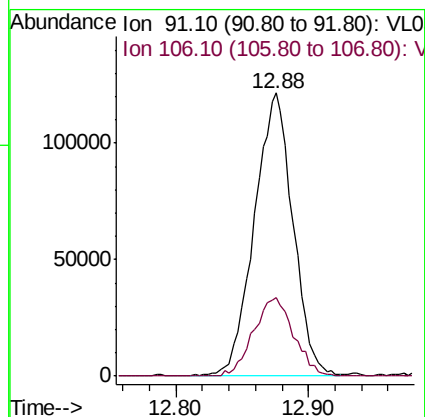
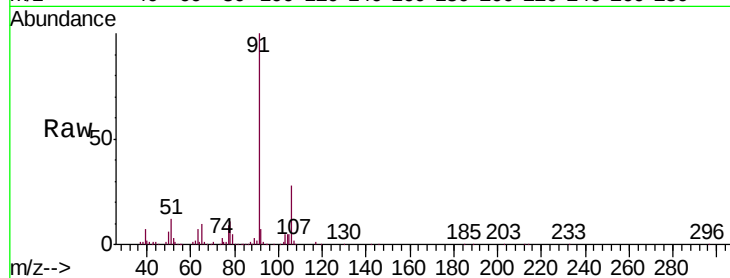
IAS-2

Tgt Ion: 91 Resp: 245995

Ion Ratio Lower Upper

91 100

106 27.6 23.6 35.4



#59

m/p-Xylene

Concen: 1.593 ppbv

RT: 13.13 min Scan# 3170

Delta R.T. -0.01 min

Lab File: VL032840.D

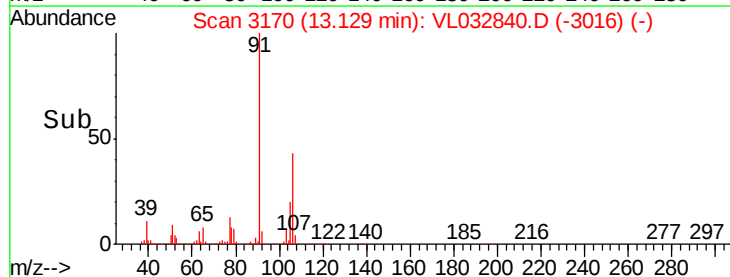
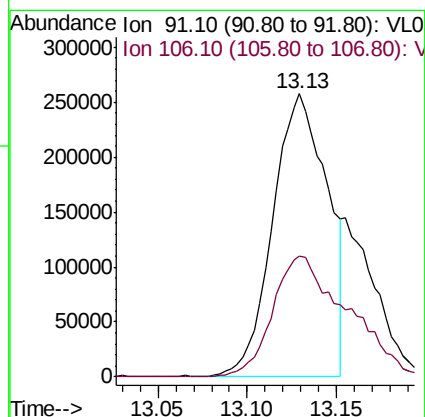
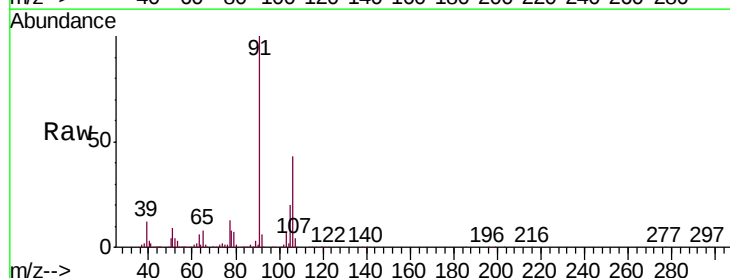
Acq: 29 Nov 2018 18:41

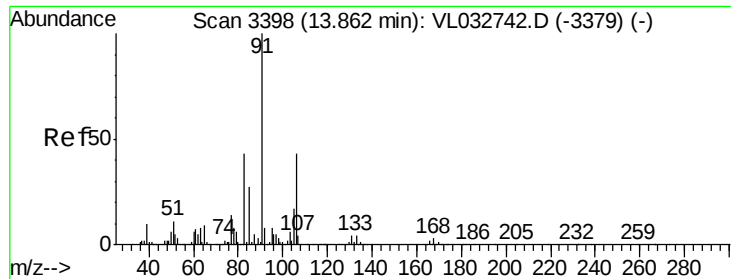
Tgt Ion: 91 Resp: 547344

Ion Ratio Lower Upper

91 100

106 58.7 36.1 54.1#

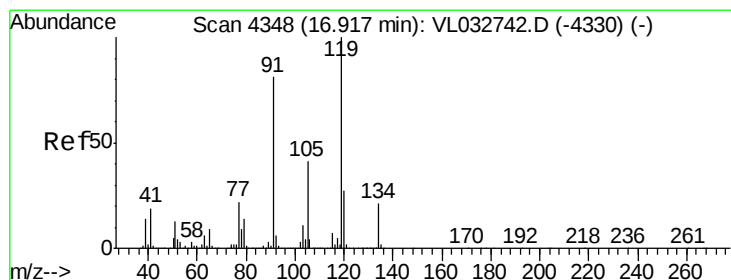
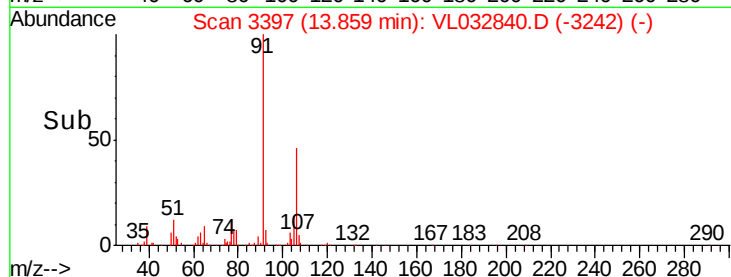
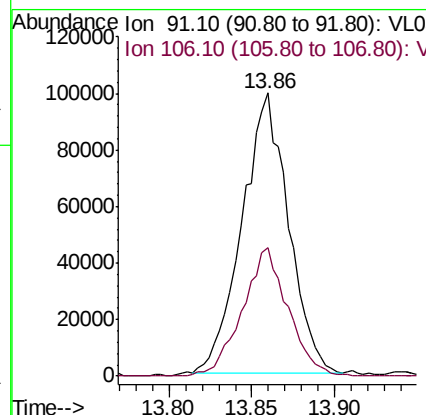
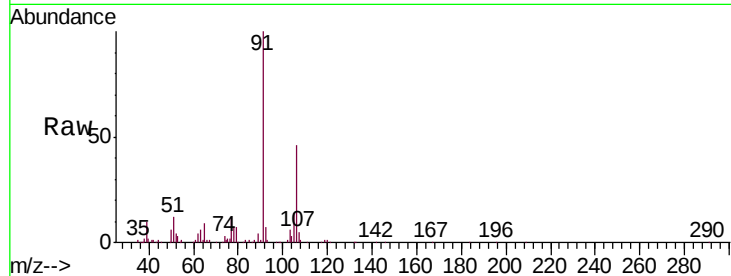




#60
o-Xylene
Concen: 0.561 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

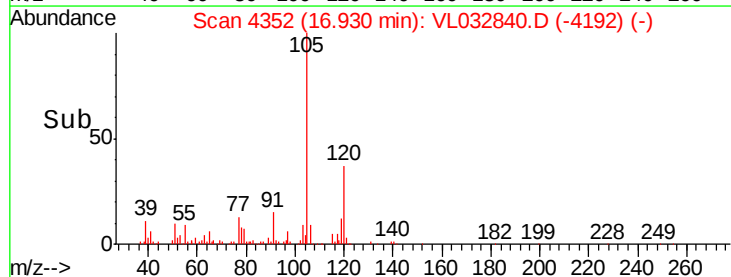
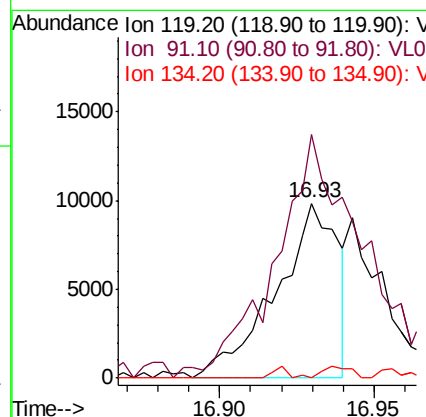
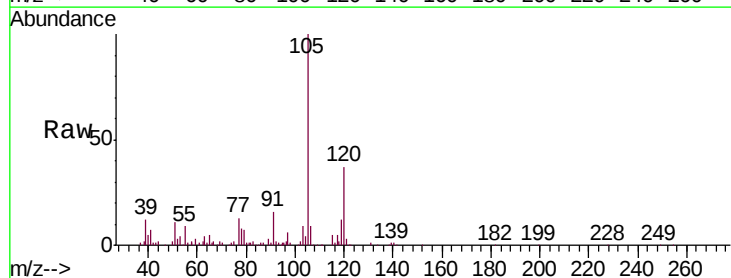
Instrument :
MSVOA_L
ClientSampled :
IAS-2

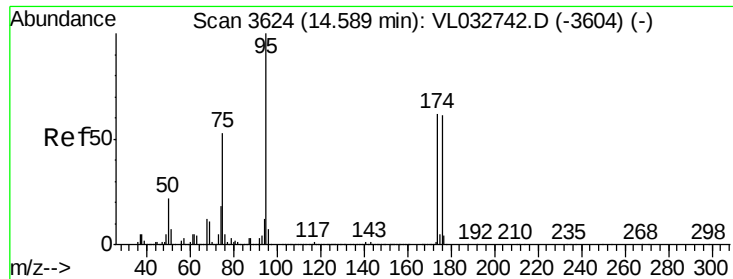
Tgt Ion: 91 Resp: 193652
Ion Ratio Lower Upper
91 100
106 44.9 21.9 65.7



#65
tert-Butylbenzene
Concen: 0.033 ppbv
RT: 16.93 min Scan# 4352
Delta R.T. 0.01 min
Lab File: VL032840.D
Acq: 29 Nov 2018 18:41

Tgt Ion: 119 Resp: 13675
Ion Ratio Lower Upper
119 100
91 217.1 65.6 98.4#
134 0.0 15.9 23.9#

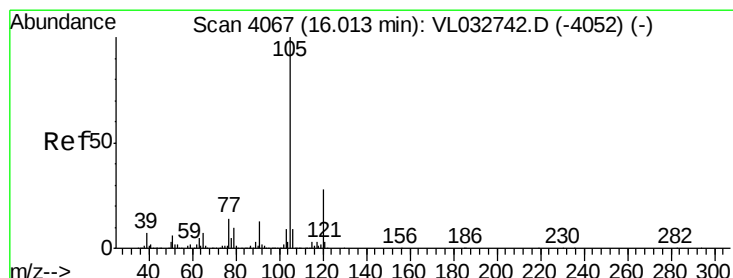
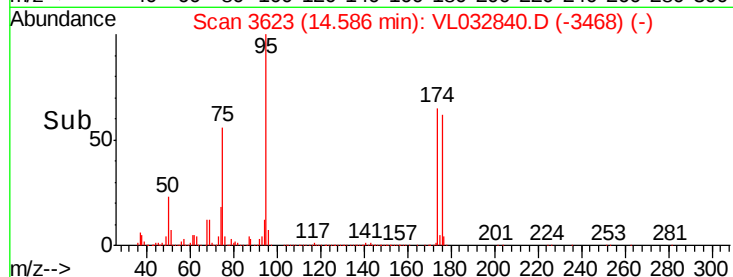
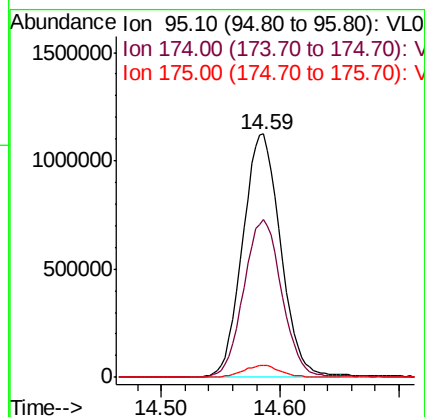
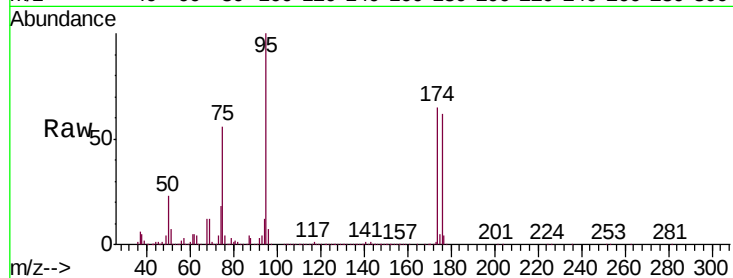




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.354 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032840.D
 Acq: 29 Nov 2018 18:41

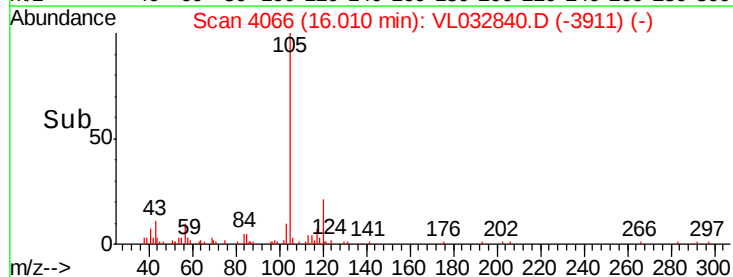
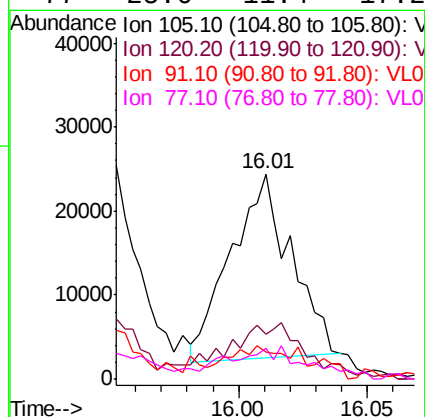
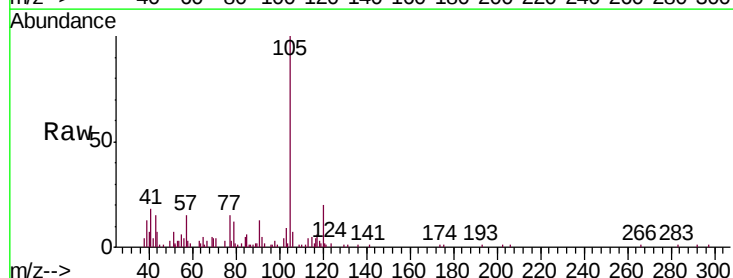
Instrument :
 MSVOA_L
 ClientSampleID :
 IAS-2

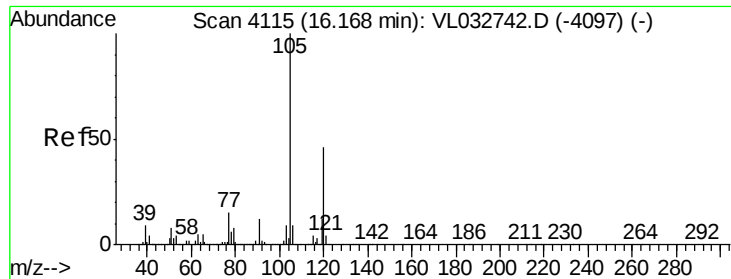
Tgt Ion: 95 Resp: 2483220
 Ion Ratio Lower Upper
 95 100
 174 65.9 50.7 76.1
 175 4.8 3.8 5.6



#72
 4-Ethyltoluene
 Concen: 0.094 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. -0.00 min
 Lab File: VL032840.D
 Acq: 29 Nov 2018 18:41

Tgt Ion: 105 Resp: 35682
 Ion Ratio Lower Upper
 105 100
 120 39.2 22.9 34.3#
 91 31.2 10.6 15.8#
 77 25.6 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.099 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. -0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

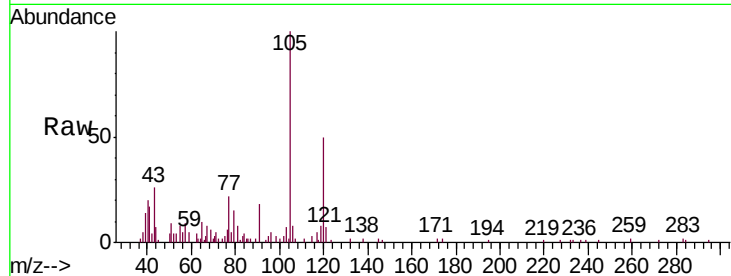
IAS-2

Tgt Ion:105 Resp: 36798

Ion Ratio Lower Upper

105 100

120 55.3 36.6 55.0#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.16

15000

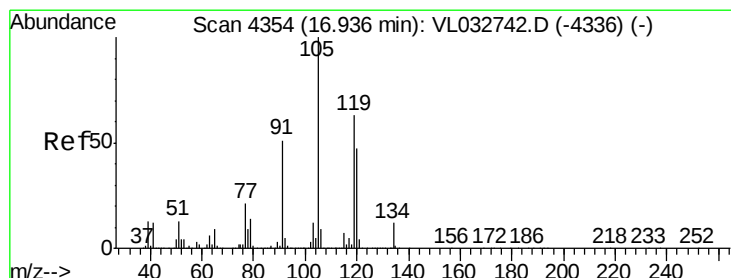
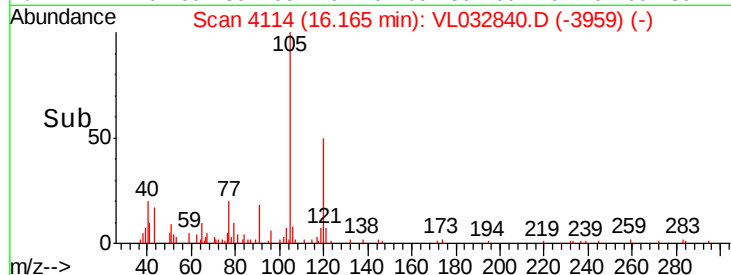
10000

5000

0

16.10 16.15 16.20

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 0.233 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Tgt Ion:105 Resp: 92336

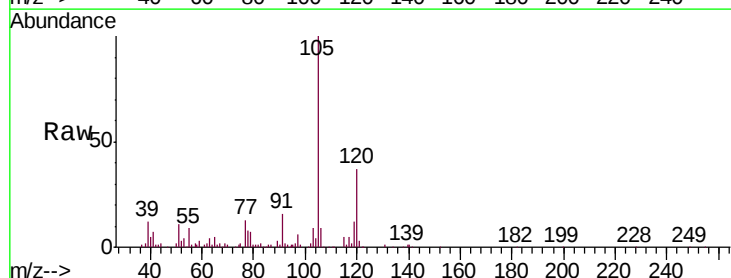
Ion Ratio Lower Upper

105 100

120 37.1 37.6 56.4#

91 16.4 42.5 63.7#

77 12.2 17.4 26.2#



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

120000

100000

80000

60000

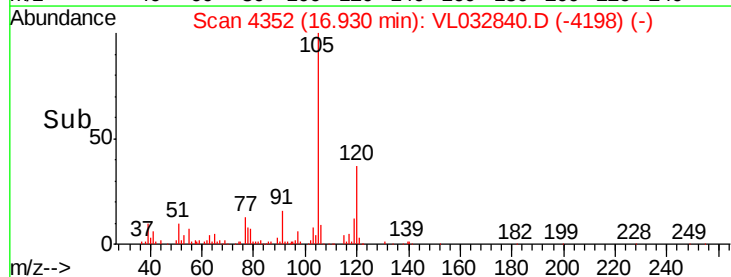
40000

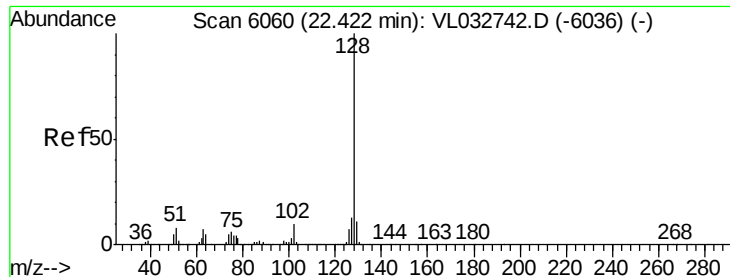
20000

0

16.90

Time-->





#79

Naphthalene

Concen: 0.084 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

Instrument :

MSVOA_L

ClientSampleId :

IAS-2

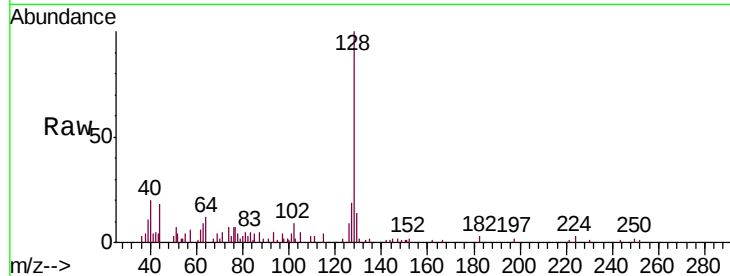
Tgt Ion:128 Resp: 21903

Ion Ratio Lower Upper

128 100

127 13.8 10.1 15.1

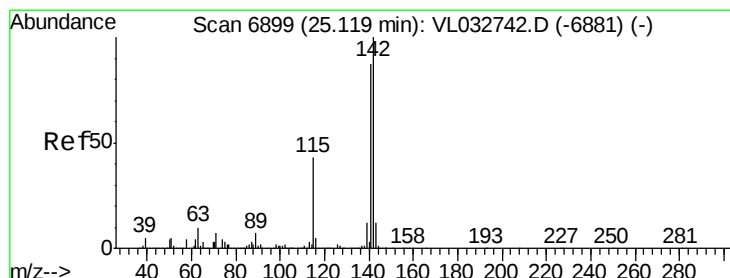
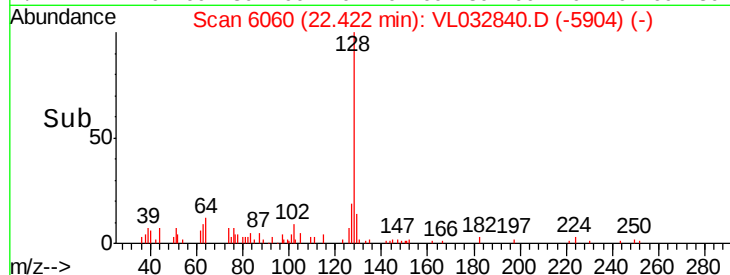
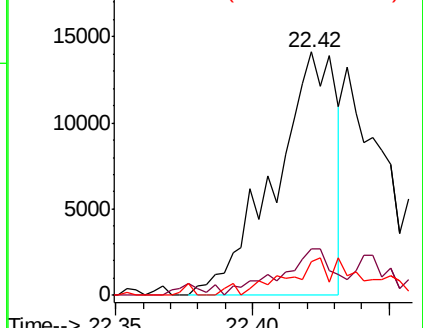
129 9.0 8.9 13.3



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.081 ppbv

RT: 25.13 min Scan# 6902

Delta R.T. 0.01 min

Lab File: VL032840.D

Acq: 29 Nov 2018 18:41

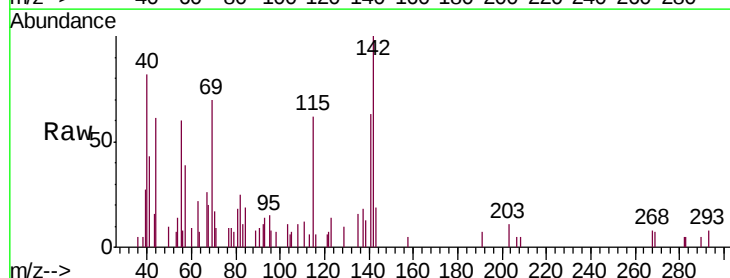
Tgt Ion:142 Resp: 5266

Ion Ratio Lower Upper

142 100

141 109.8 68.7 103.1#

115 72.7 35.5 53.3#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

