

Data File : VL032645.D
Acq On : 17 Oct 2018 17:37
Operator : SY/AP
Sample : J5500-01 40XDUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

Quant Time: Oct 18 09:53:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1097275	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2543273	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2545034	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1967806	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1787	Below Cal	#	27
4) Chloromethane	3.18	50	7407	0.148	ppbv #	87
9) Propene	3.25	41	584324	17.361	ppbv	94
10) Heptane	8.27	43	533905	4.236	ppbv	100
13) Ethanol	3.68	45	9697	0.931	ppbv #	58
15) Acetone	3.94	43	1210323	12.395	ppbv #	59
16) 1,3-Butadiene	3.41	39	281174	7.776	ppbv #	1
17) tert-Butyl alcohol	4.39	59	450	0.050	ppbv #	100
20) Methylene Chloride	4.43	84	48621	1.112	ppbv	92
21) Allyl Chloride	4.68	41	32170	0.439	ppbv #	71
23) Vinyl Acetate	5.15	43	168317	1.083	ppbv #	1
25) Ethyl Acetate	5.80	43	618973	2.679	ppbv #	76
26) Hexane	5.80	57	939205	9.025	ppbv #	43
29) Chloroform	5.86	83	86431	0.474	ppbv	92
30) Cyclohexane	7.27	84	1247685	15.202	ppbv	99
34) 2-Butanone	5.37	43	10479	0.074	ppbv #	71
36) Benzene	7.03	78	215347	1.045	ppbv	98
39) 1,2-Dichloropropane	7.31	63	683376	8.149	ppbv #	25
41) Tetrahydrofuran	6.44	42	270552	3.613	ppbv #	35
42) Bromodichloromethane	7.93	83	20169	0.105	ppbv #	31
51) 2-Hexanone	10.27	43	24133	0.148	ppbv #	44
52) Tetrachloroethene	11.39	164	10737	0.158	ppbv	90
53) Toluene	9.97	91	3158750	13.440	ppbv	100
57) Chlorobenzene	12.36	112	121428	0.627	ppbv #	34
58) Ethyl Benzene	12.89	91	1078864	3.775	ppbv	97
59) m/p-Xylene	13.14	91	2435942	9.547	ppbv	100
60) o-Xylene	13.87	91	785918	3.091	ppbv	97
62) Isopropylbenzene	14.84	105	25929	0.072	ppbv #	49
64) n-propylbenzene	15.74	120	6619	0.072	ppbv #	1
65) tert-Butylbenzene	16.95	119	40037	0.130	ppbv #	56
71) 2-Chlorotoluene	15.74	91	119005	0.444	ppbv #	47
72) 4-Ethyltoluene	16.02	105	223757	0.814	ppbv	97
73) 1,3,5-Trimethylbenzene	16.18	105	124128	0.454	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.94	105	377209	1.253	ppbv #	79
80) Naphthalene,2-methyl-	25.18	142	170	0.742	ppbv #	69

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

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Instrument :
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SS08-MIVIDLDUP

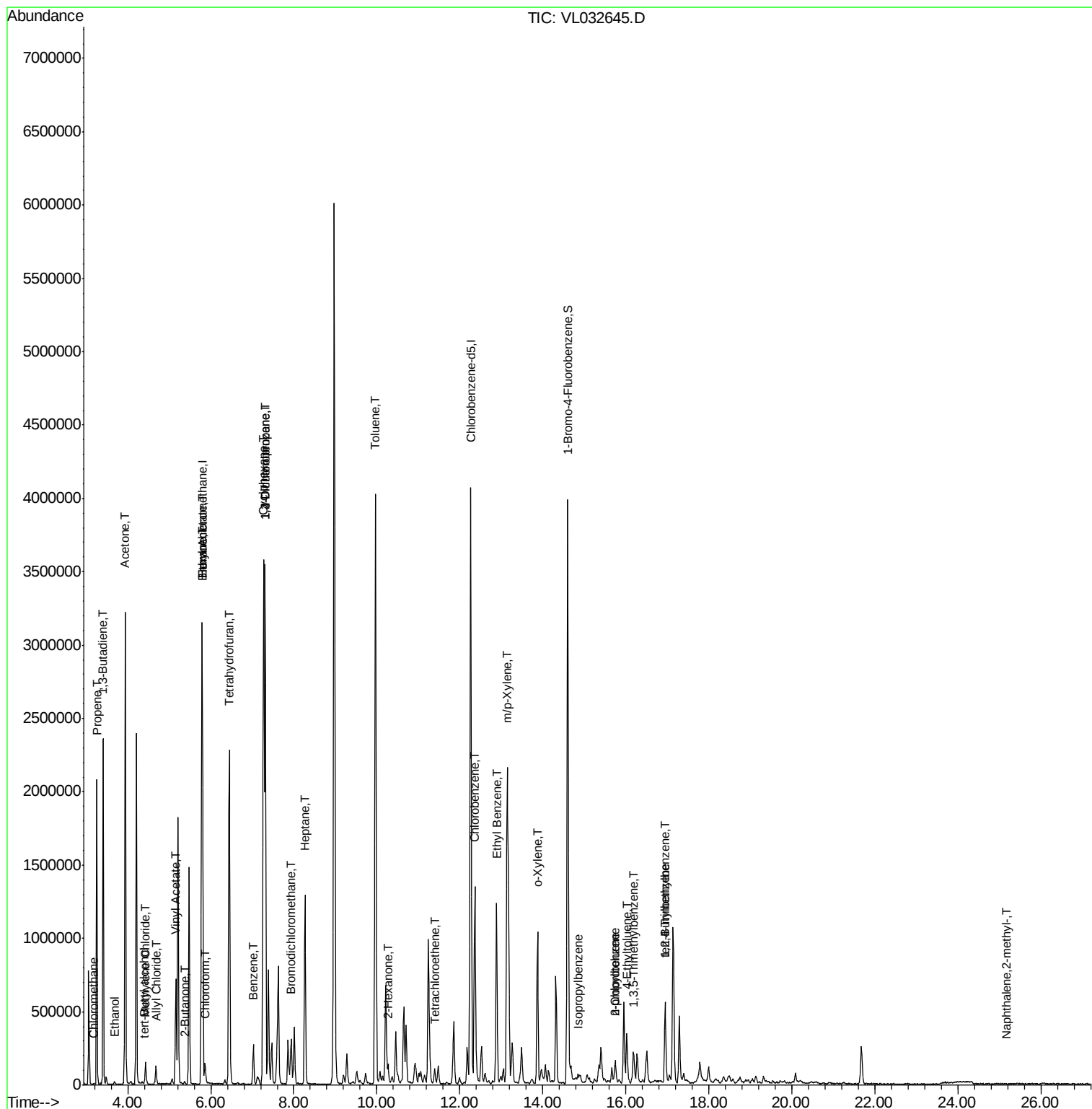
Quant Time: Oct 18 09:53:03 2018

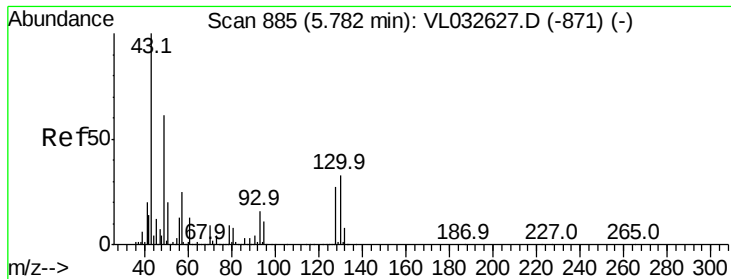
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL101718AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 17 08:55:11 2018

QLast Update : Wed Oct 17 08:55:11 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032645.D

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Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

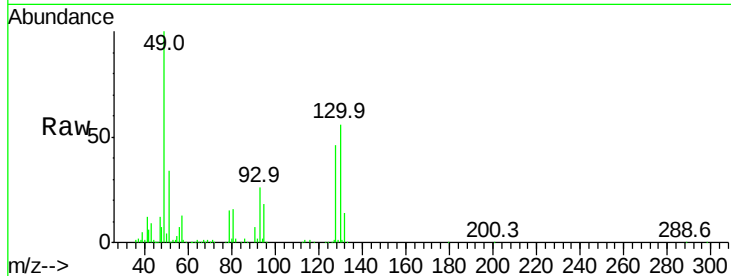
Tgt Ion: 49 Resp: 1097275

Ion Ratio Lower Upper

49 100

128 45.5 22.3 66.8

130 57.7 28.4 85.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

800000

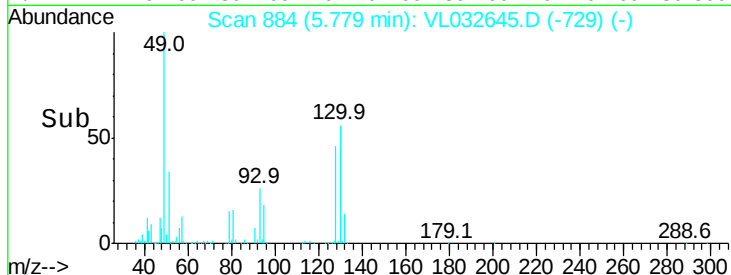
600000

400000

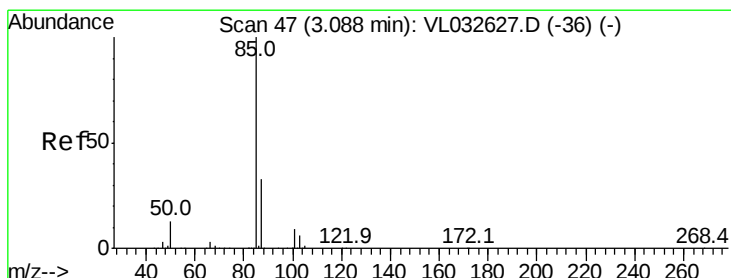
200000

0

5.70 5.75 5.80 5.85



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.09 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL032645.D

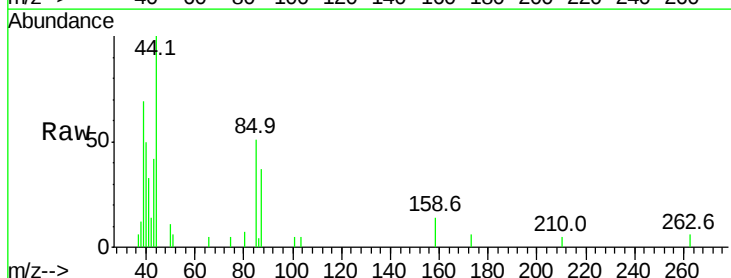
Acq: 17 Oct 2018 17:37

Tgt Ion: 85 Resp: 1787

Ion Ratio Lower Upper

85 100

87 73.7 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

2000

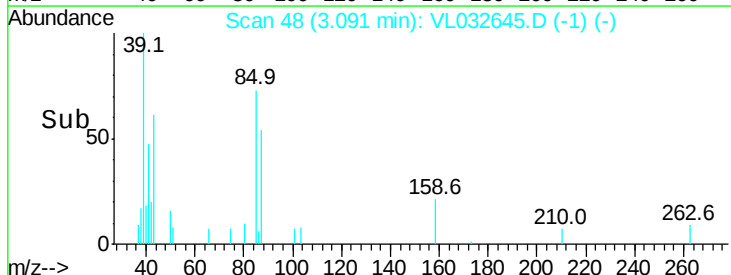
1500

1000

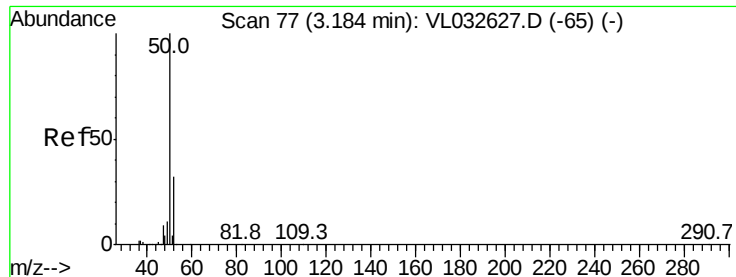
500

0

3.08 3.10 3.12



Time-->



#4

Chloromethane

Concen: 0.148 ppbv

RT: 3.18 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

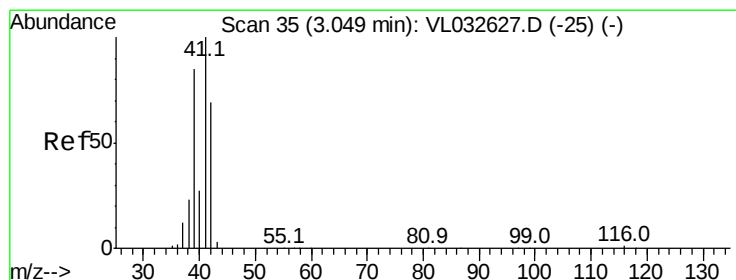
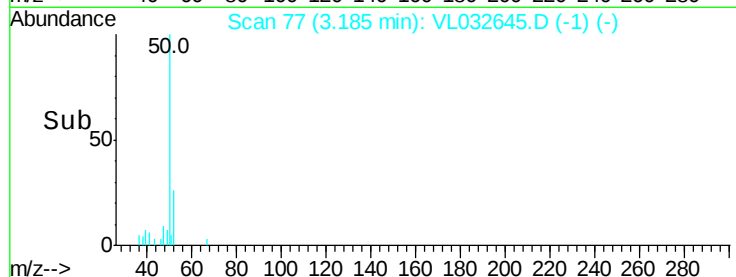
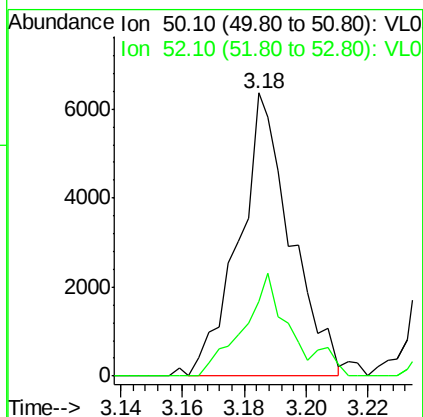
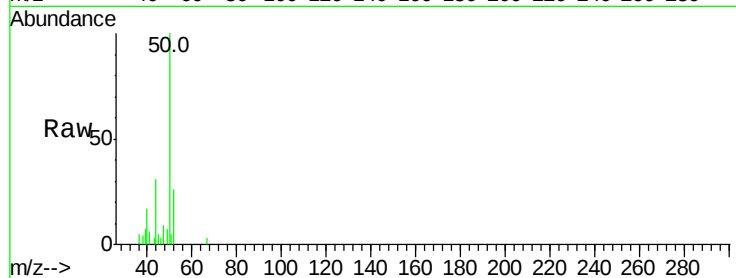
SS08-MIVIDLDUP

Tgt Ion: 50 Resp: 7407

Ion Ratio Lower Upper

50 100

52 25.2 25.9 38.9#



#9

Propene

Concen: 17.361 ppbv

RT: 3.25 min Scan# 98

Delta R.T. 0.20 min

Lab File: VL032645.D

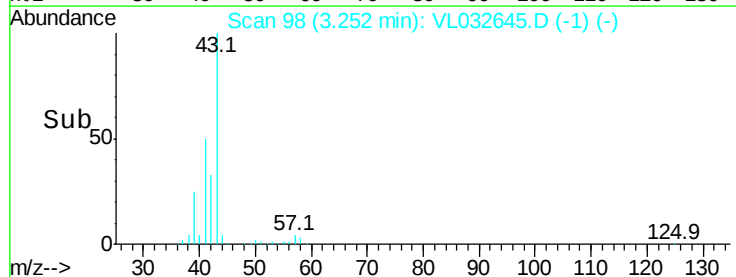
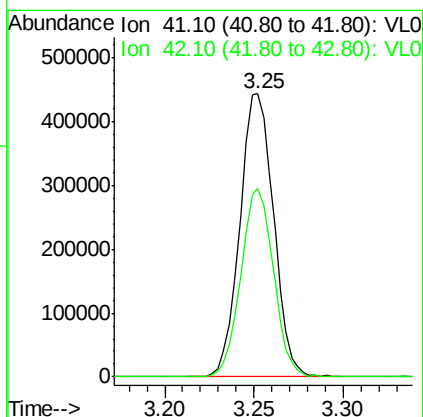
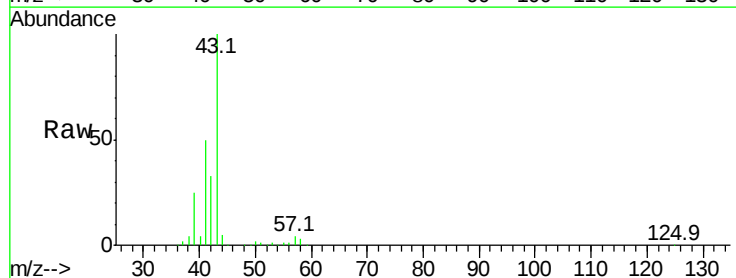
Acq: 17 Oct 2018 17:37

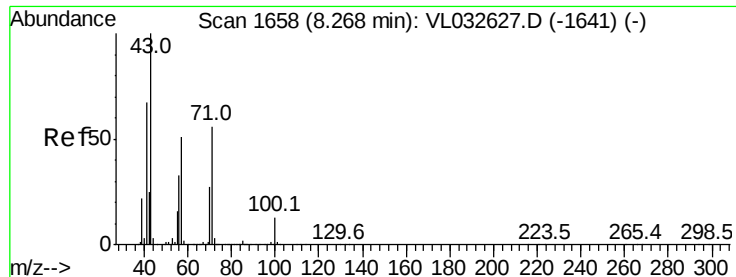
Tgt Ion: 41 Resp: 584324

Ion Ratio Lower Upper

41 100

42 64.1 55.4 83.0

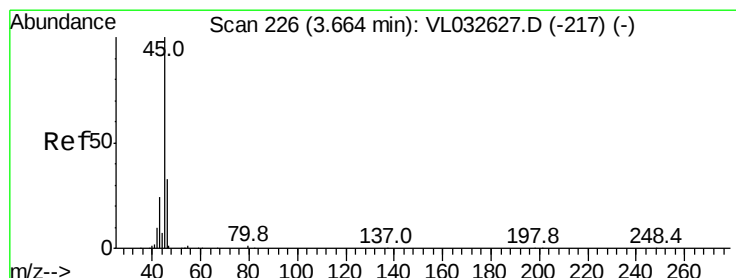
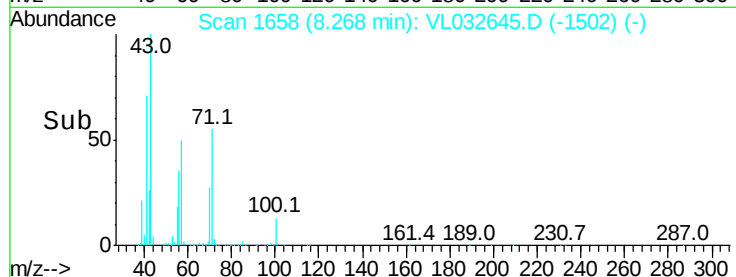
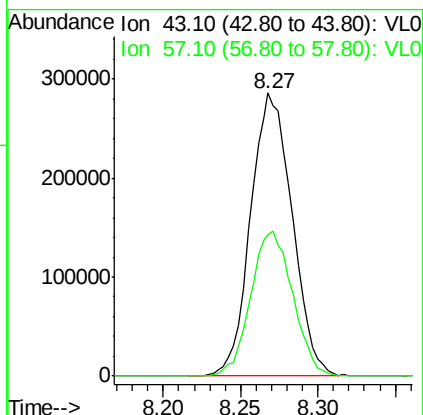
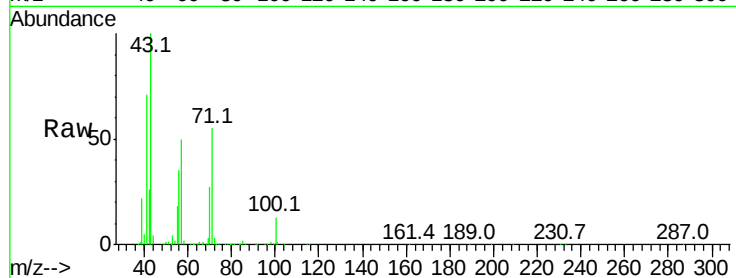




#10
Heptane
Concen: 4.236 ppbv
RT: 8.27 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

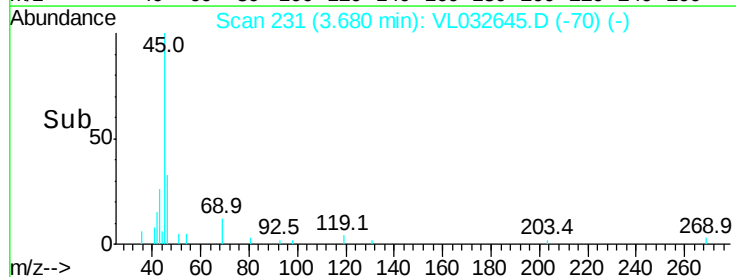
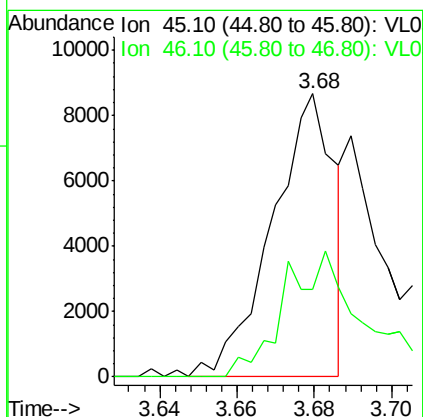
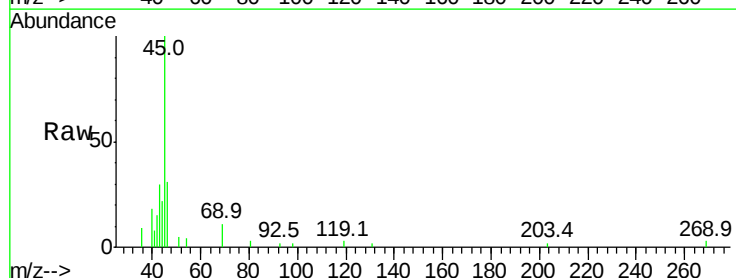
Instrument :
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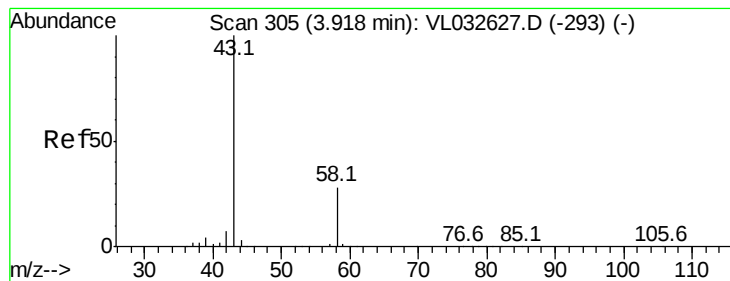
Tgt Ion: 43 Resp: 533905
Ion Ratio Lower Upper
43 100
57 52.0 41.5 62.3



#13
Ethanol
Concen: 0.931 ppbv
RT: 3.68 min Scan# 231
Delta R.T. 0.02 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 45 Resp: 9697
Ion Ratio Lower Upper
45 100
46 64.2 15.4 61.8#





#15

Acetone

Concen: 12.395 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.02 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

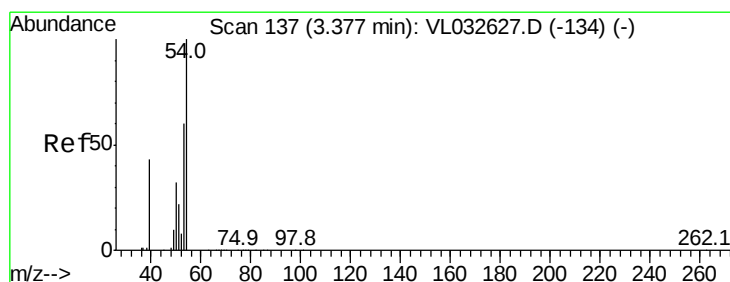
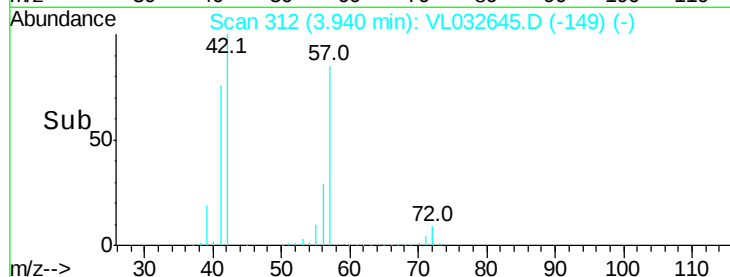
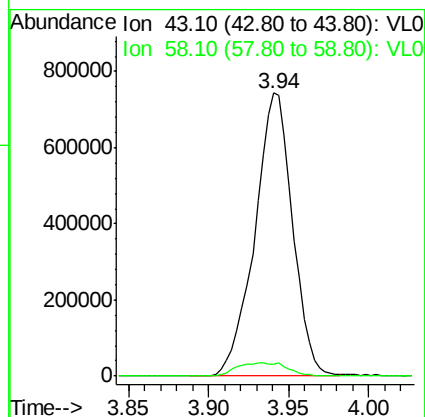
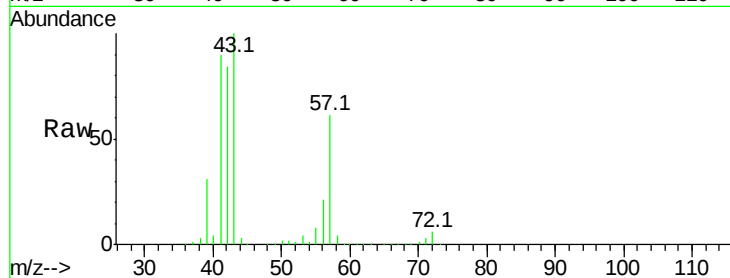
SS08-MIVIDLDP

Tgt Ion: 43 Resp: 1210323

Ion Ratio Lower Upper

43 100

58 6.4 22.1 33.1#



#16

1,3-Butadiene

Concen: 7.776 ppbv

RT: 3.41 min Scan# 146

Delta R.T. 0.03 min

Lab File: VL032645.D

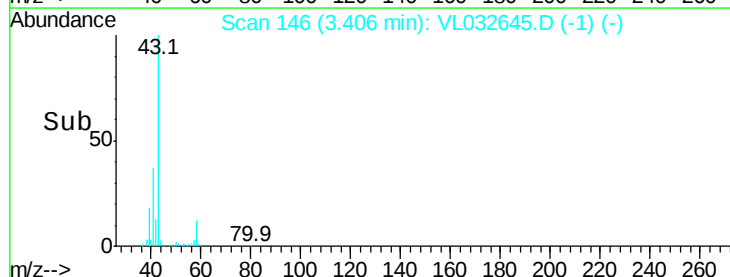
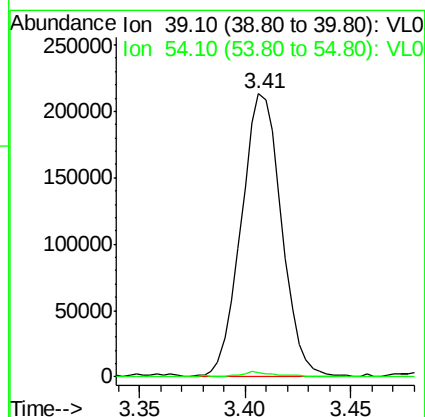
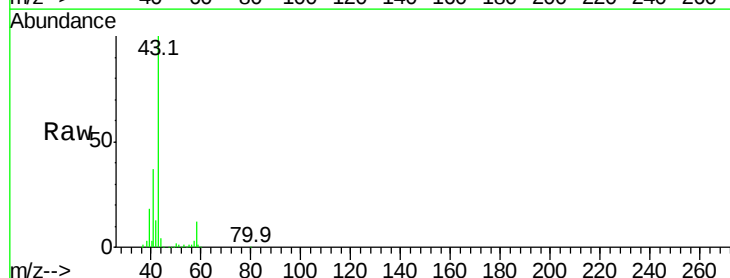
Acq: 17 Oct 2018 17:37

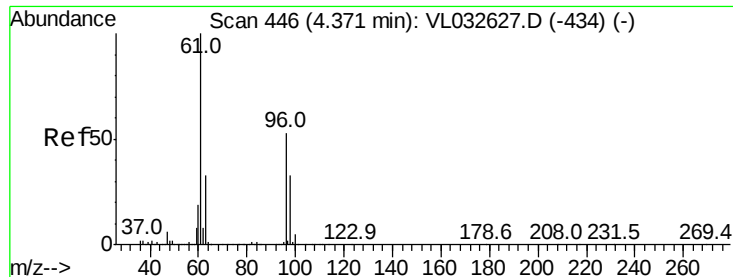
Tgt Ion: 39 Resp: 281174

Ion Ratio Lower Upper

39 100

54 1.9 90.4 135.6#



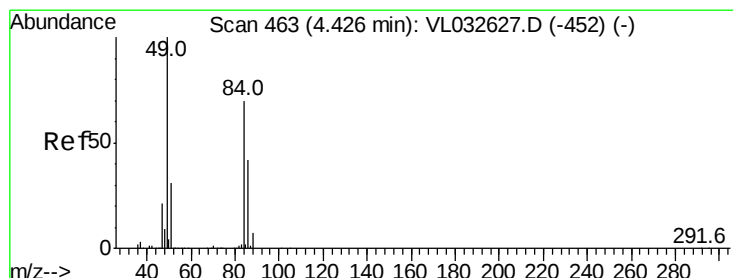
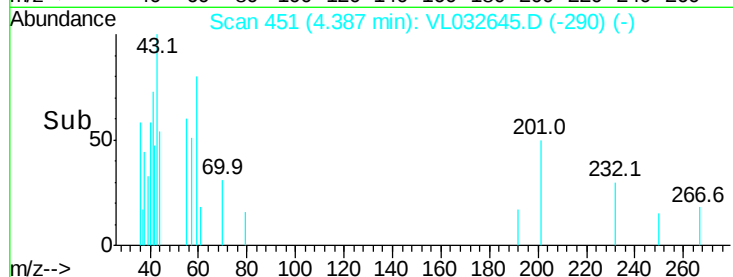
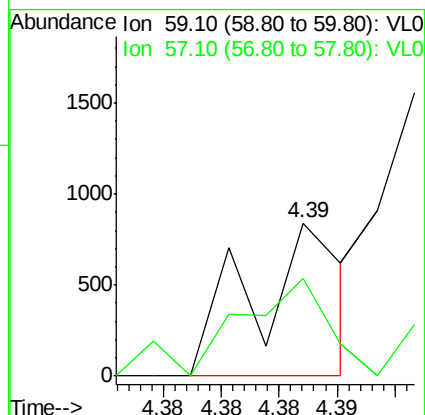
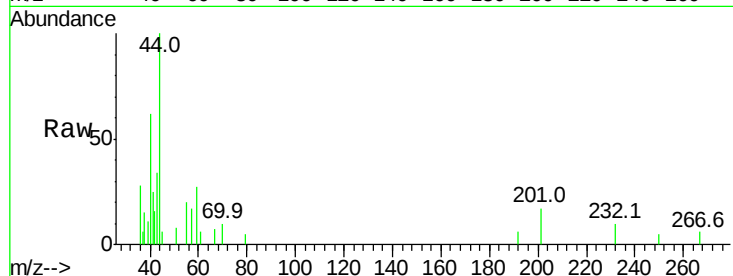


#17

tert-Butyl alcohol
Concen: 0.050 ppbv
RT: 4.39 min Scan# 451
Delta R.T. 0.02 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

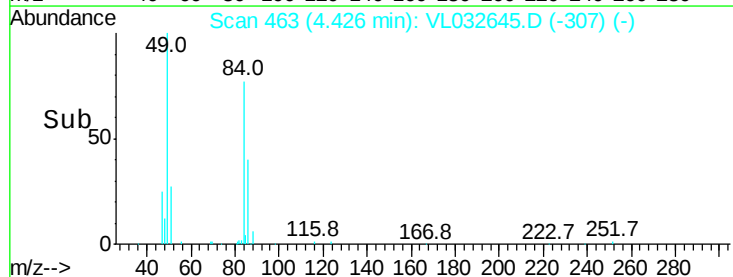
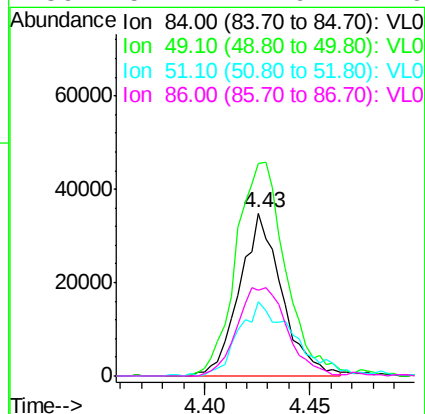
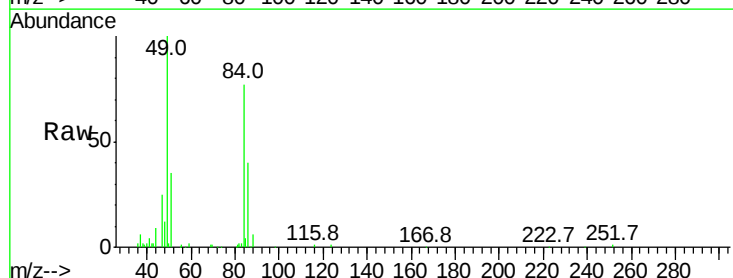
Tgt Ion: 59 Resp: 450
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

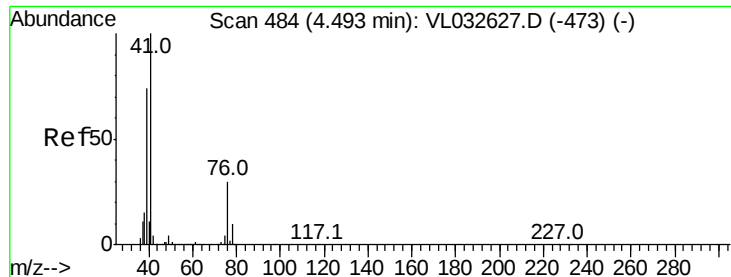


#20

Methylene Chloride
Concen: 1.112 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 84 Resp: 48621
Ion Ratio Lower Upper
84 100
49 129.7 113.5 170.3
51 44.0 34.8 52.2
86 52.4 47.9 71.9





#21

Allyl Chloride

Concen: 0.439 ppbv

RT: 4.68 min Scan# 541

Delta R.T. 0.18 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

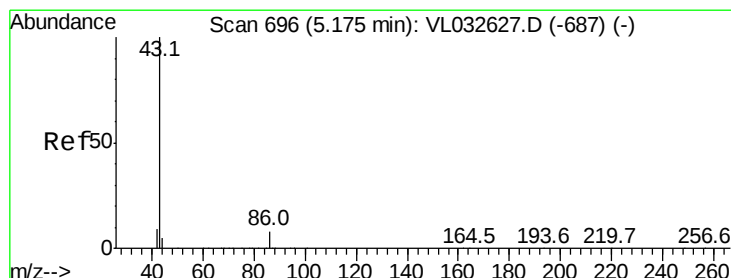
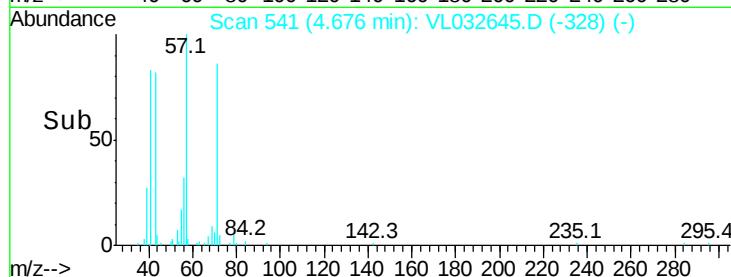
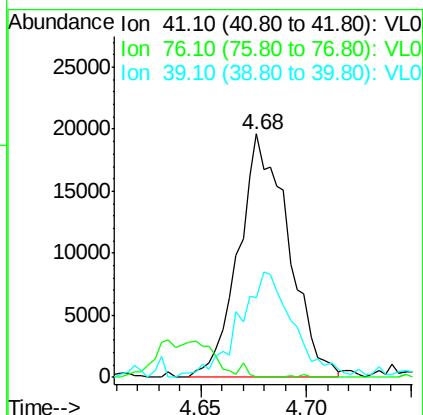
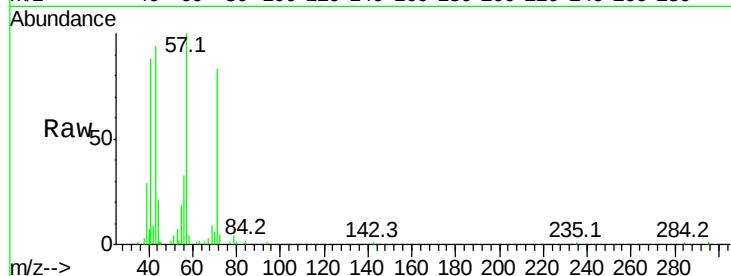
Tgt Ion: 41 Resp: 32170

Ion Ratio Lower Upper

41 100

76 17.8 24.3 36.5#

39 48.4 60.3 90.5#



#23

Vinyl Acetate

Concen: 1.083 ppbv

RT: 5.15 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Tgt Ion: 43 Resp: 168317

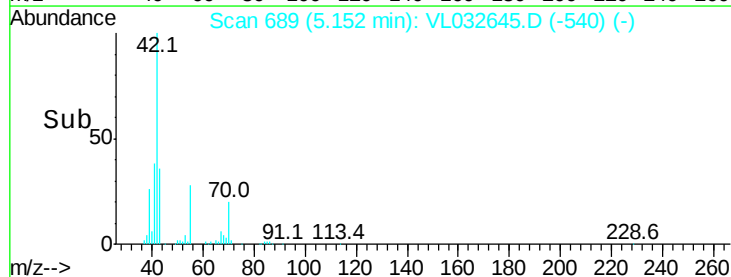
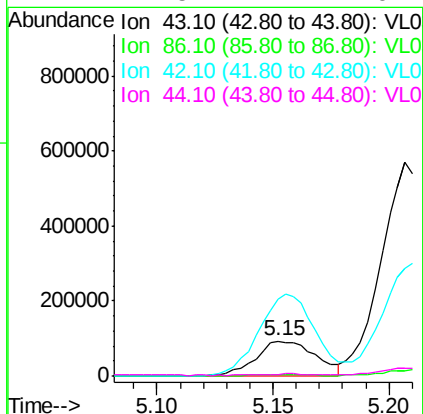
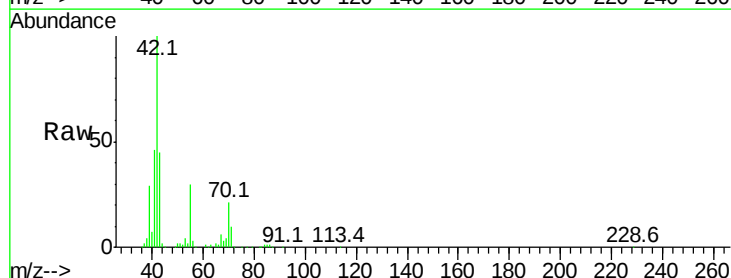
Ion Ratio Lower Upper

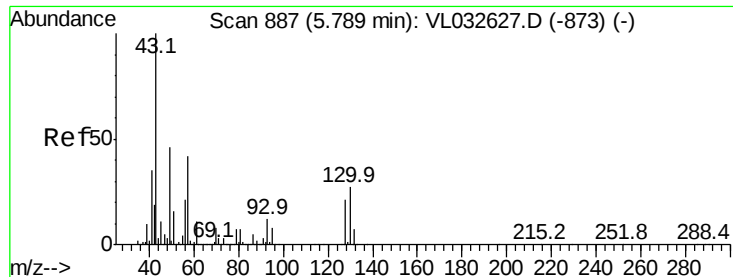
43 100

86 3.0 6.1 9.1#

42 219.7 7.4 11.2#

44 2.5 4.2 6.2#





#25

Ethyl Acetate

Concen: 2.679 ppbv

RT: 5.80 min Scan# 890

Delta R.T. 0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

Tgt Ion: 43 Resp: 618973

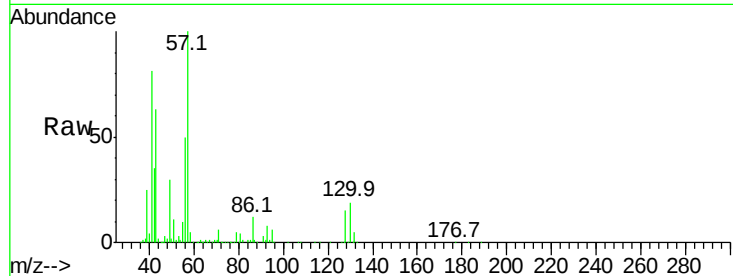
Ion Ratio Lower Upper

43 100

45 0.2 8.0 12.0#

61 0.2 8.0 12.0#

70 1.6 5.9 8.9#

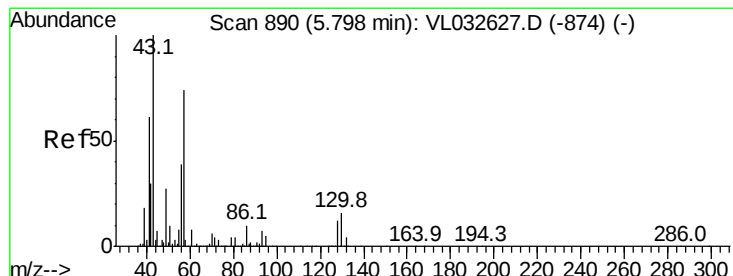
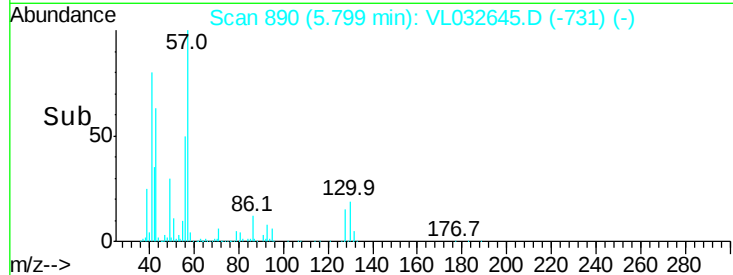
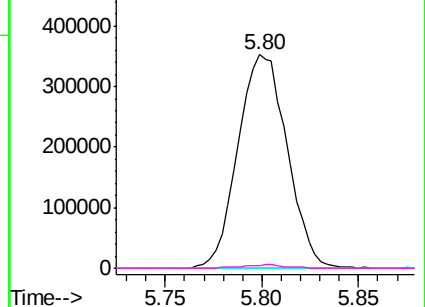


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.025 ppbv

RT: 5.80 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Tgt Ion: 57 Resp: 939205

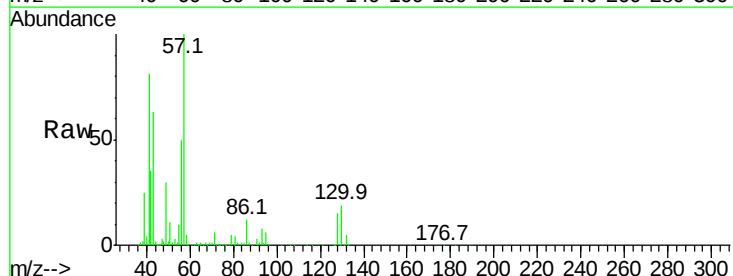
Ion Ratio Lower Upper

57 100

41 85.2 67.4 101.0

43 66.7 171.9 257.9#

56 53.1 42.6 63.8

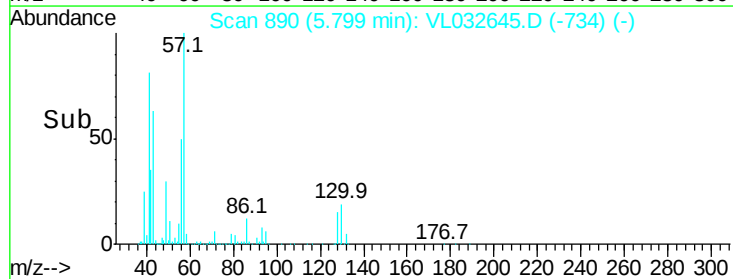
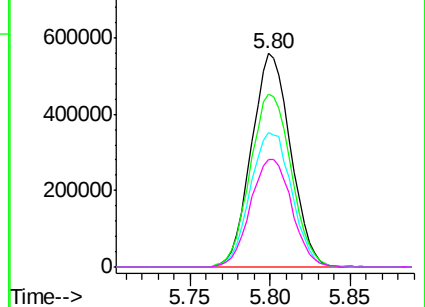


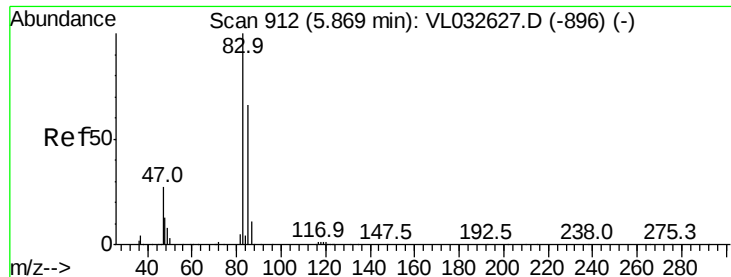
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#29

Chloroform

Concen: 0.474 ppbv

RT: 5.86 min Scan# 910

Delta R.T. -0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

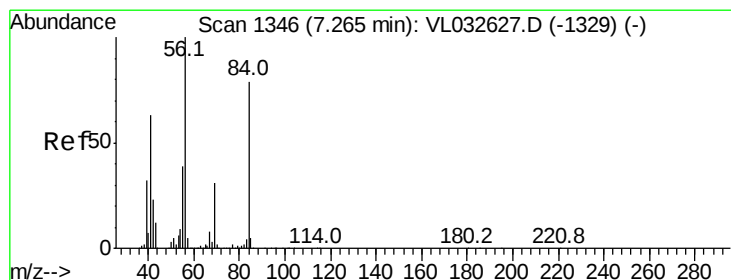
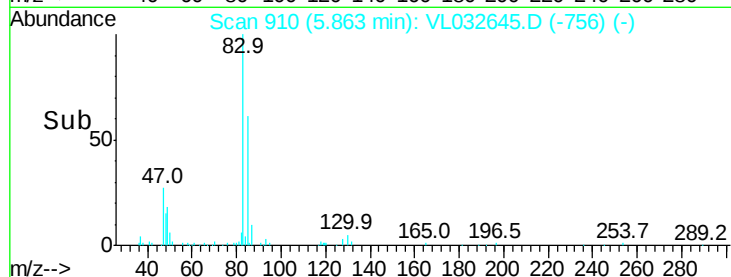
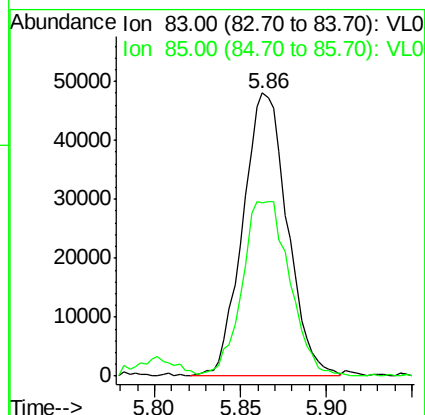
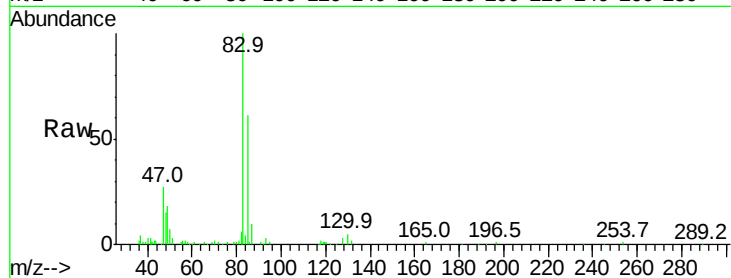
SS08-MIVIDLDP

Tgt Ion: 83 Resp: 86431

Ion Ratio Lower Upper

83 100

85 60.2 53.0 79.6



#30

Cyclohexane

Concen: 15.202 ppbv

RT: 7.27 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

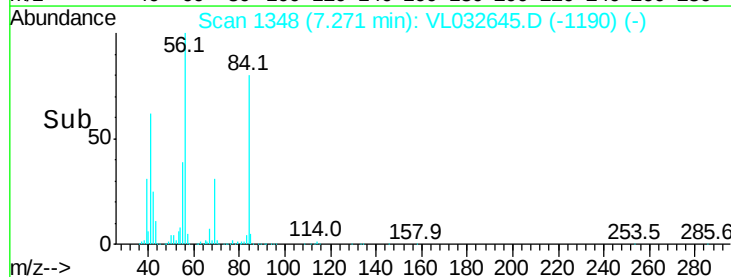
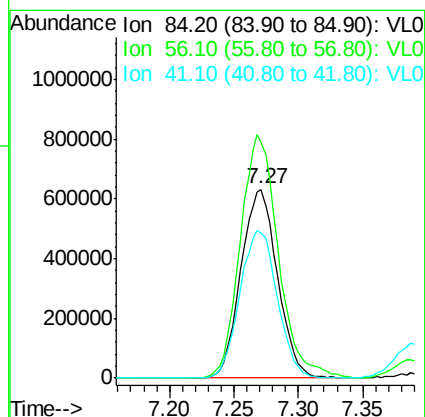
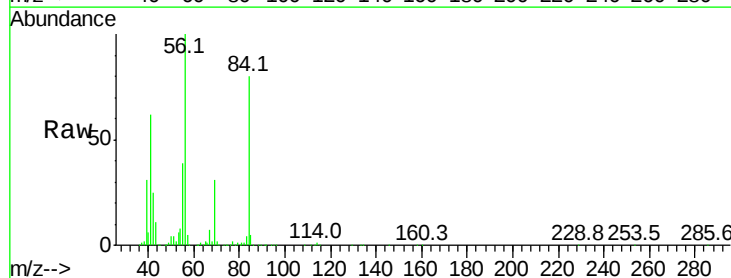
Tgt Ion: 84 Resp: 1247685

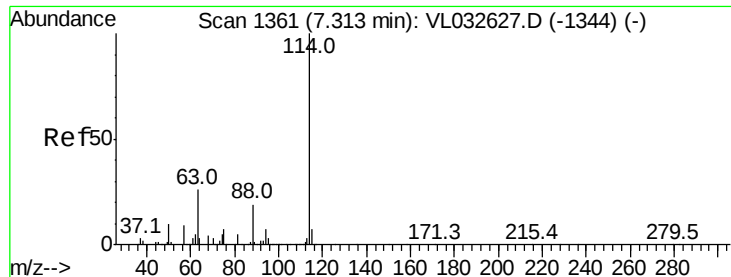
Ion Ratio Lower Upper

84 100

56 134.2 108.3 162.5

41 80.3 64.8 97.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

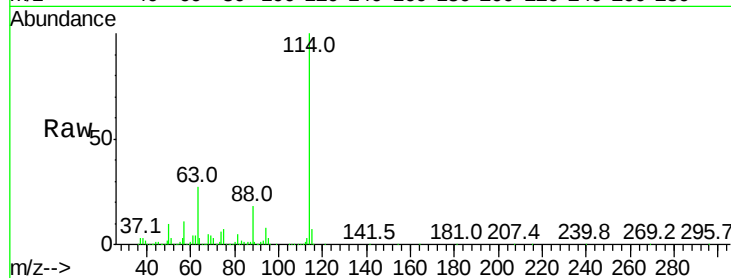
Tgt Ion:114 Resp: 2543273

Ion Ratio Lower Upper

114 100

63 27.5 21.7 32.5

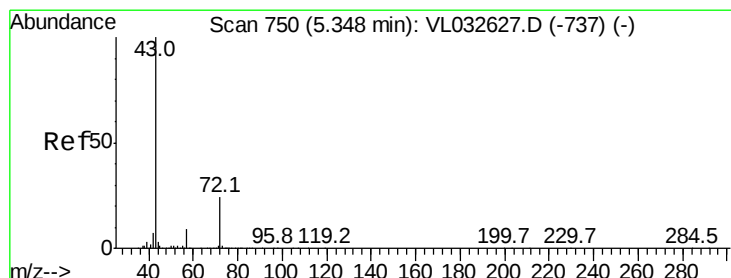
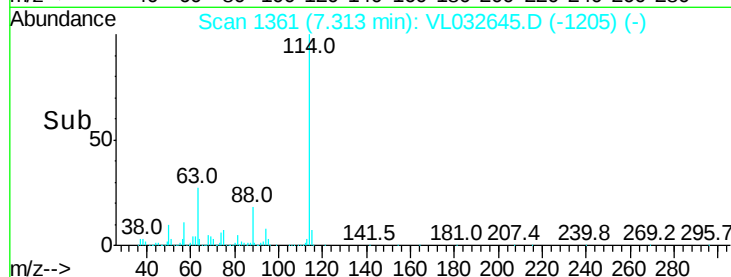
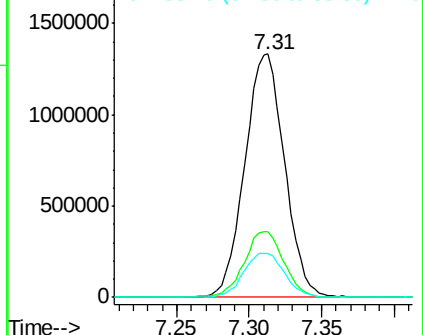
88 18.6 14.9 22.3



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.074 ppbv

RT: 5.37 min Scan# 756

Delta R.T. 0.02 min

Lab File: VL032645.D

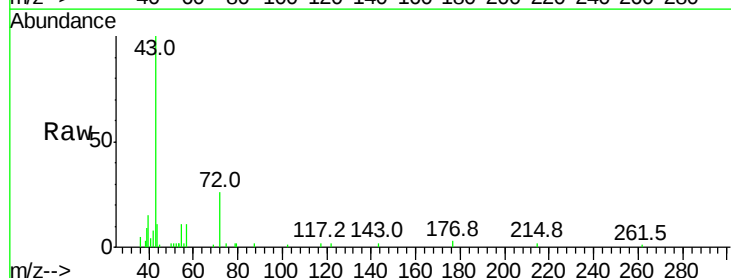
Acq: 17 Oct 2018 17:37

Tgt Ion: 43 Resp: 10479

Ion Ratio Lower Upper

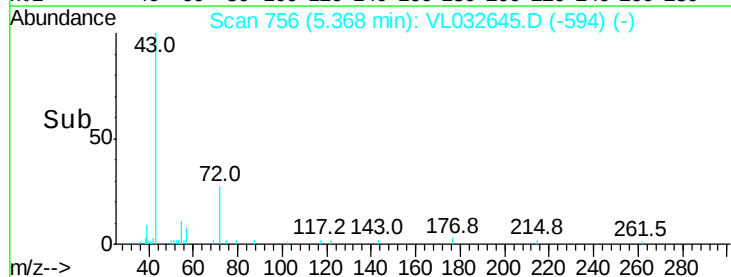
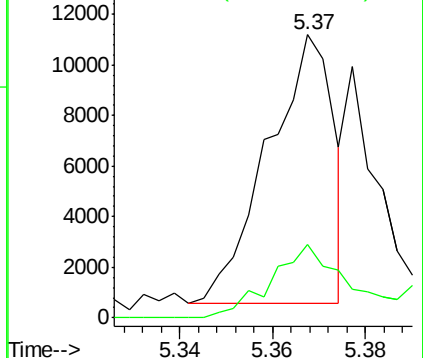
43 100

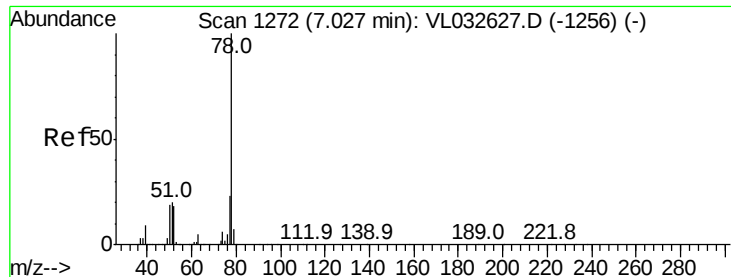
72 37.5 18.6 27.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 1.045 ppbv

RT: 7.03 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

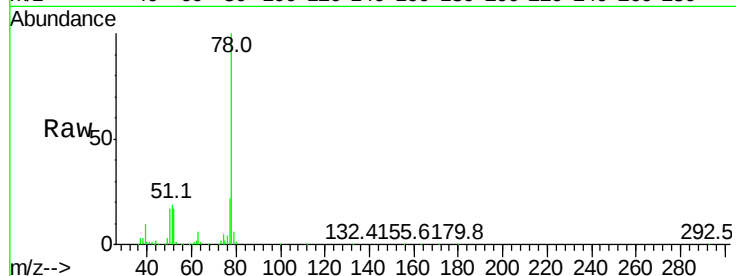
Tgt Ion: 78 Resp: 215347

Ion Ratio Lower Upper

78 100

77 22.3 18.1 27.1

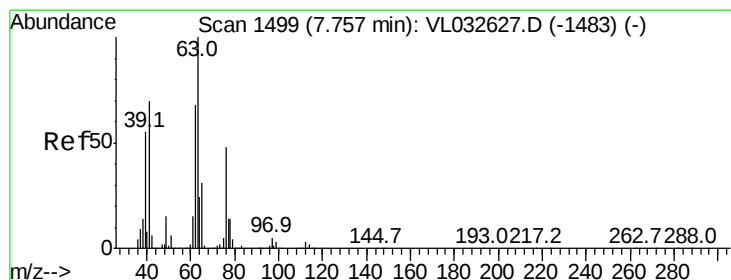
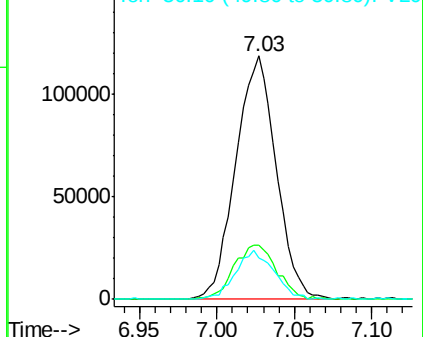
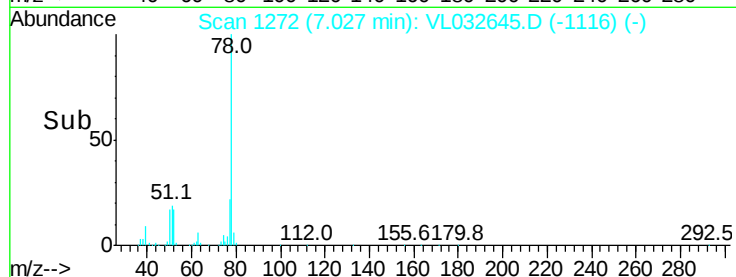
50 16.8 15.1 22.7



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: 8.149 ppbv

RT: 7.31 min Scan# 1361

Delta R.T. -0.44 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

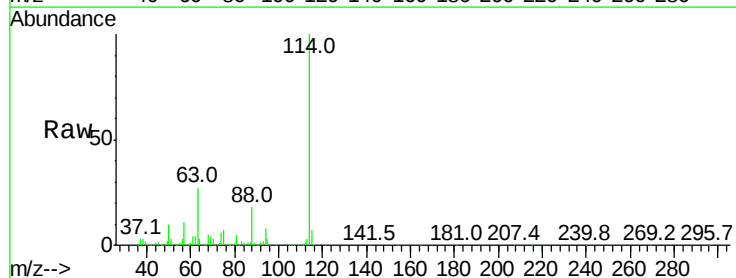
Tgt Ion: 63 Resp: 683376

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

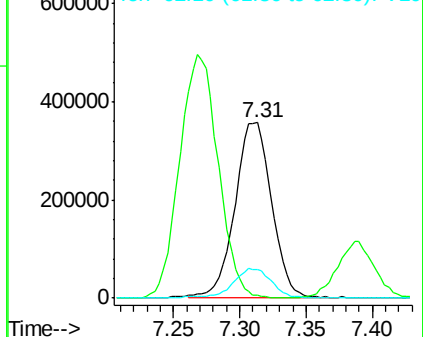
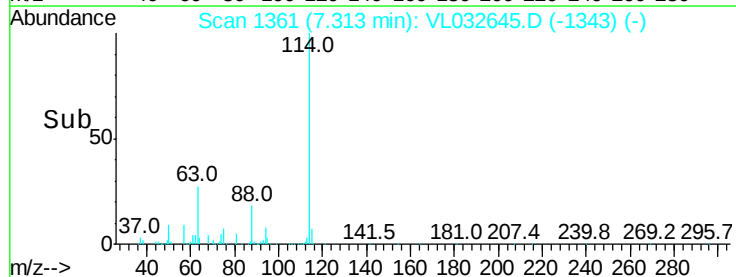
62 16.3 54.4 81.6#

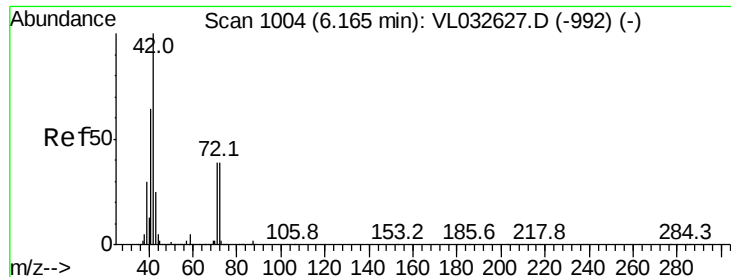


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 3.613 ppbv

RT: 6.44 min Scan# 1091

Delta R.T. 0.28 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

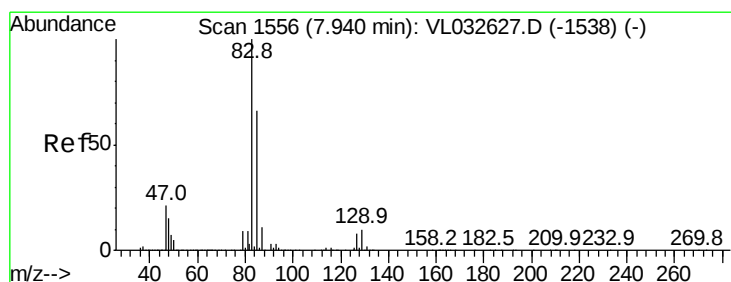
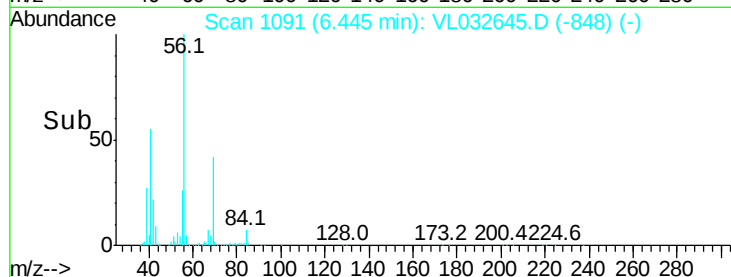
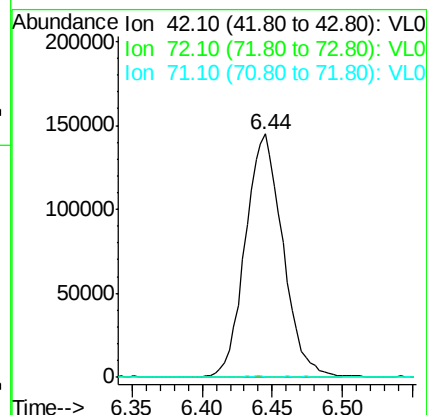
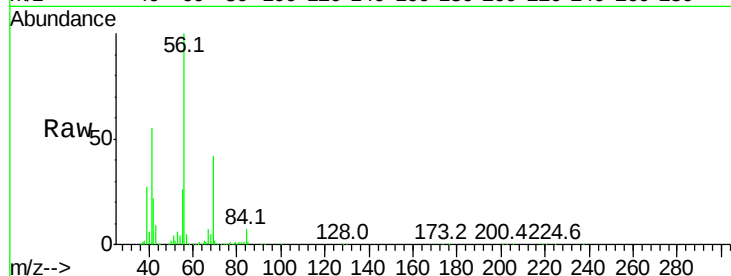
Tgt Ion: 42 Resp: 270552

Ion Ratio Lower Upper

42 100

72 0.1 32.4 48.6#

71 0.0 31.3 46.9#



#42

Bromodichloromethane

Concen: 0.105 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

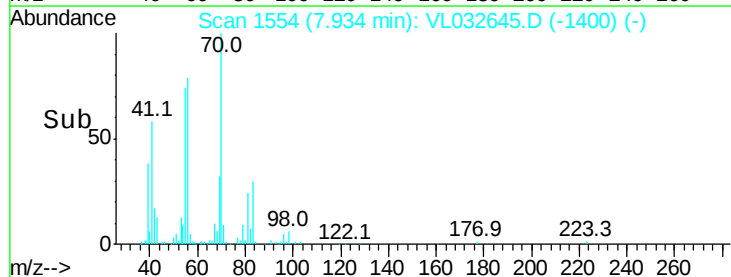
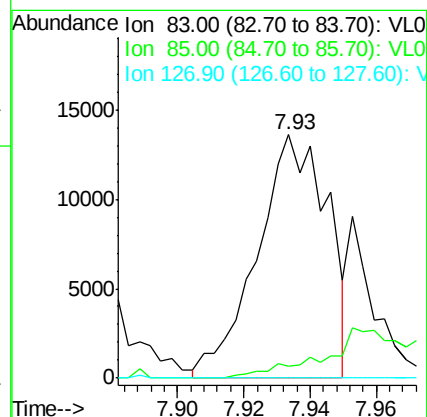
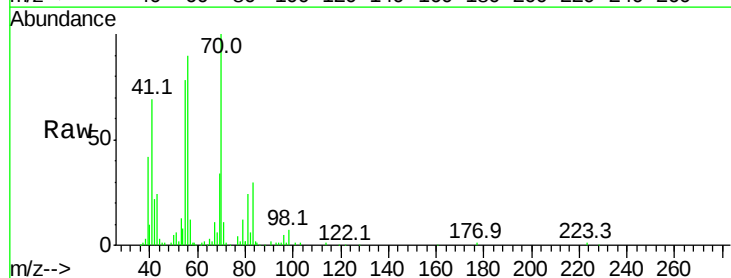
Tgt Ion: 83 Resp: 20169

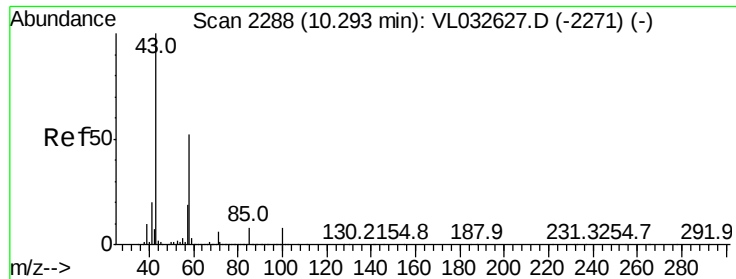
Ion Ratio Lower Upper

83 100

85 6.3 52.4 78.6#

127 0.0 6.1 9.1#

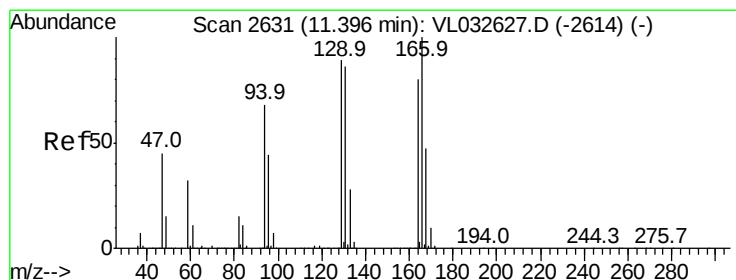
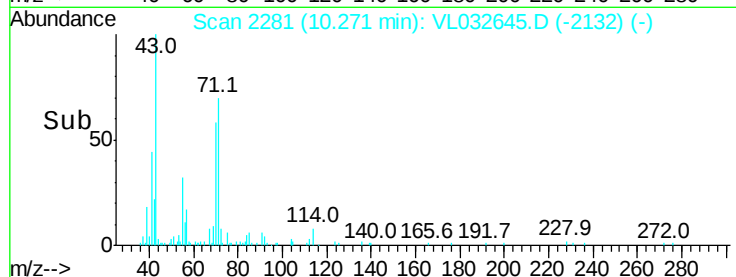
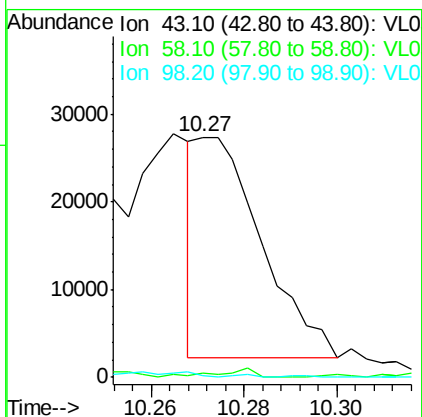
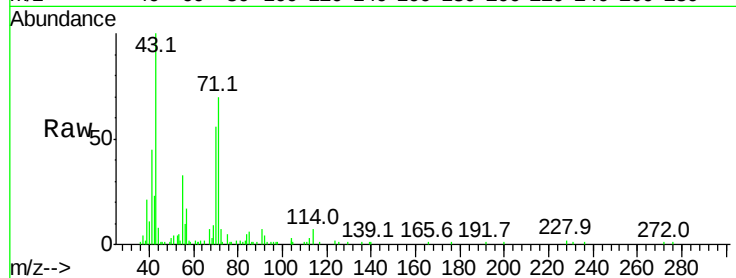




#51
2-Hexanone
Concen: 0.148 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

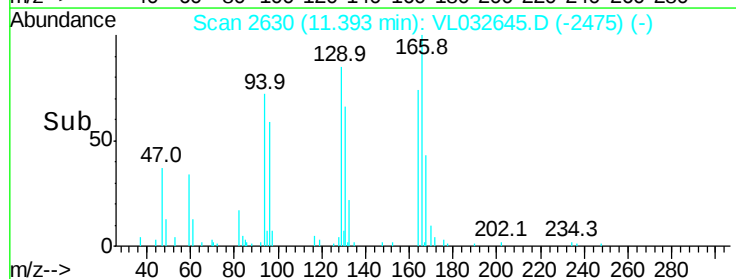
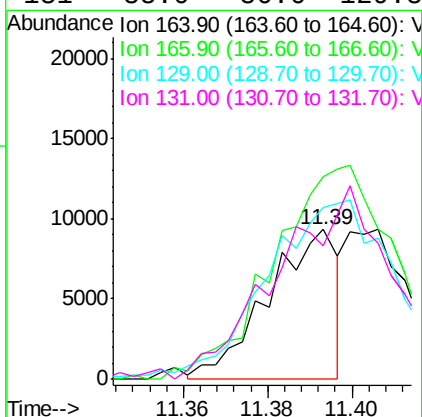
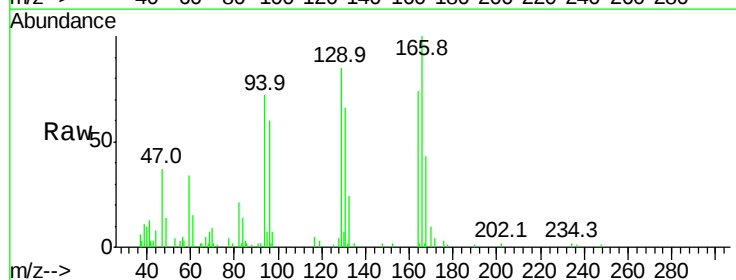
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDP

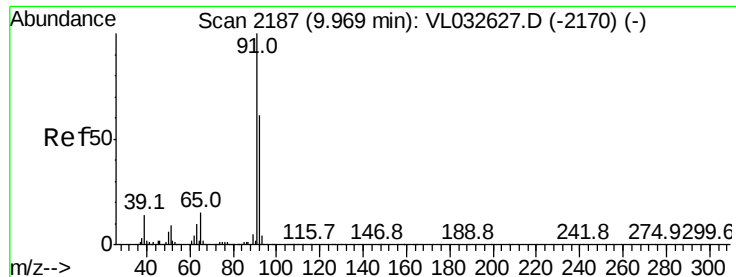
Tgt Ion: 43 Resp: 24133
Ion Ratio Lower Upper
43 100
58 11.2 40.4 60.6#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.158 ppbv
RT: 11.39 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 164 Resp: 10737
Ion Ratio Lower Upper
164 100
166 133.8 100.5 150.7
129 109.5 90.0 135.0
131 88.0 86.6 129.8





#53

Toluene

Concen: 13.440 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

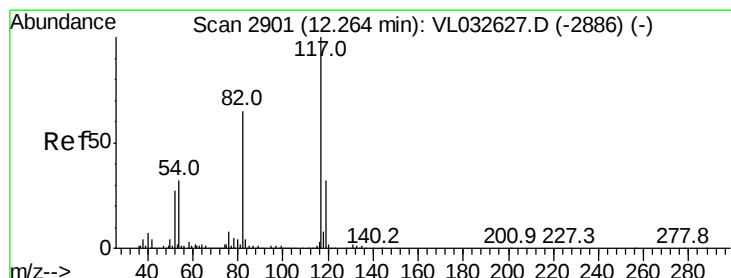
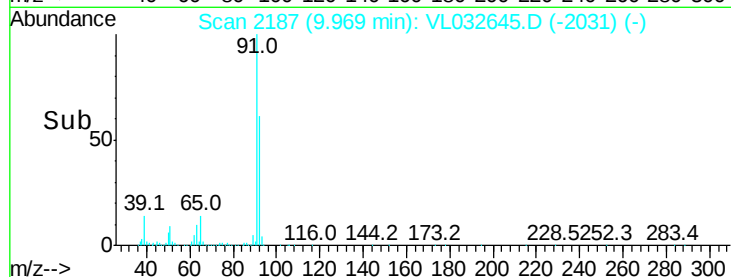
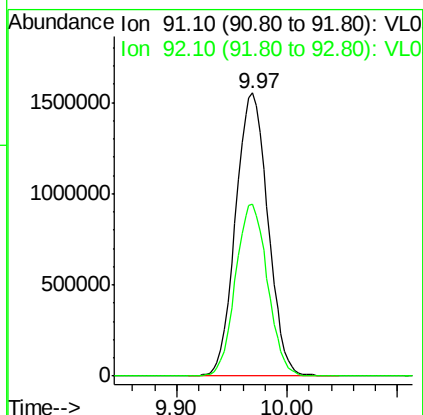
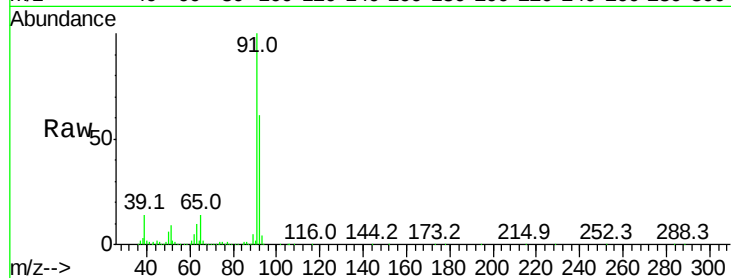
SS08-MIVIDLDP

Tgt Ion: 91 Resp: 3158750

Ion Ratio Lower Upper

91 100

92 60.4 48.4 72.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.26 min Scan# 2900

Delta R.T. -0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

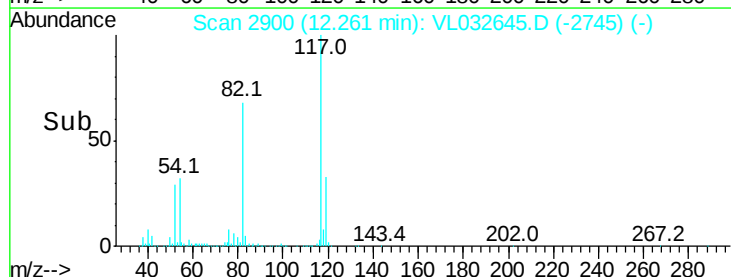
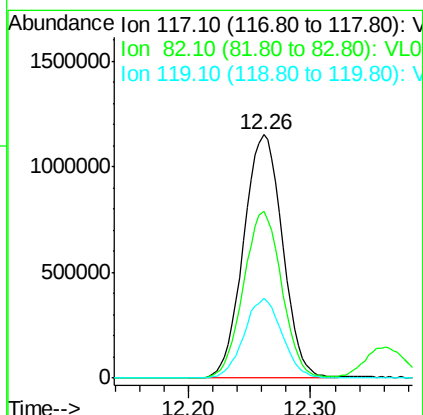
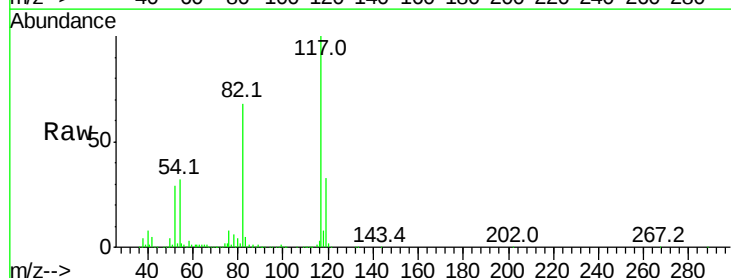
Tgt Ion: 117 Resp: 2545034

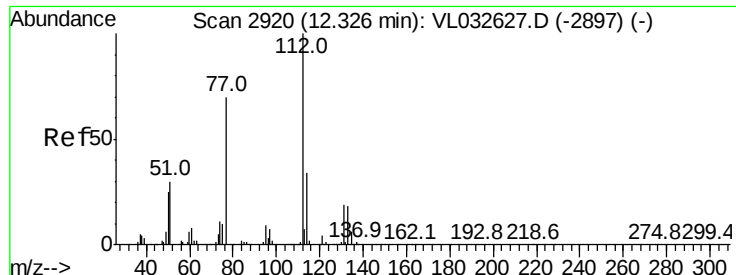
Ion Ratio Lower Upper

117 100

82 67.2 52.7 79.1

119 32.3 26.7 40.1

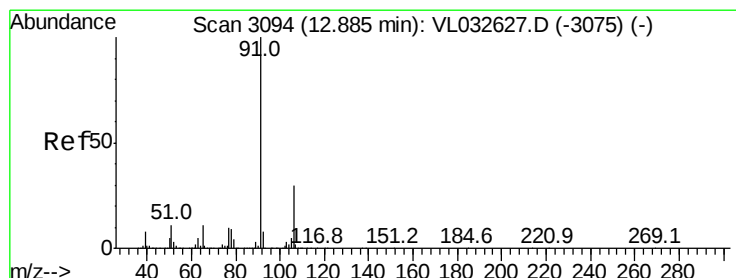
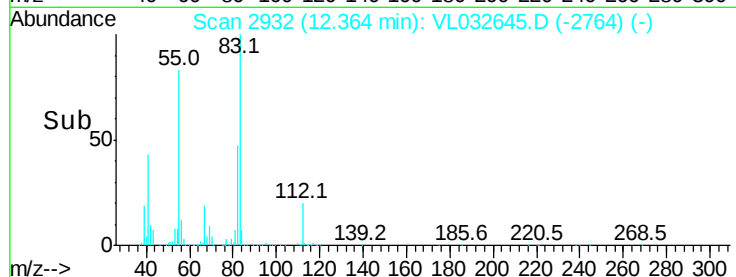
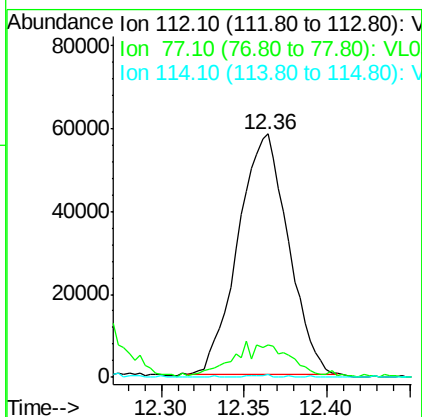
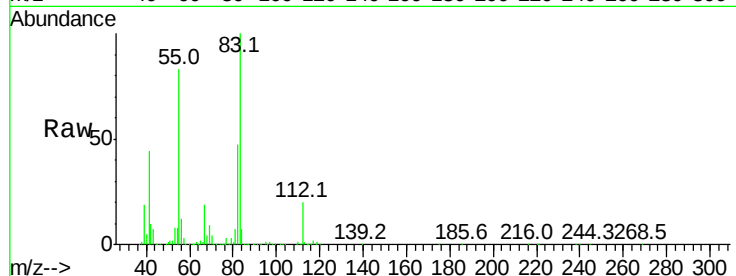




#57
Chlorobenzene
Concen: 0.627 ppbv
RT: 12.36 min Scan# 2932
Delta R.T. 0.04 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

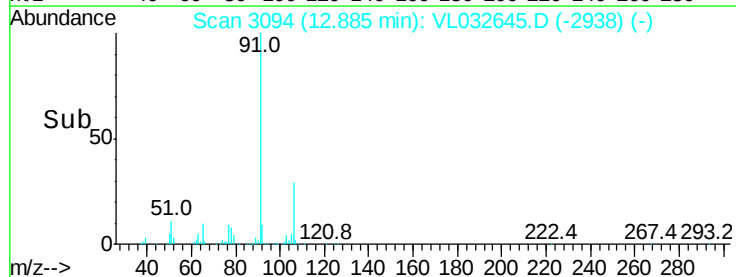
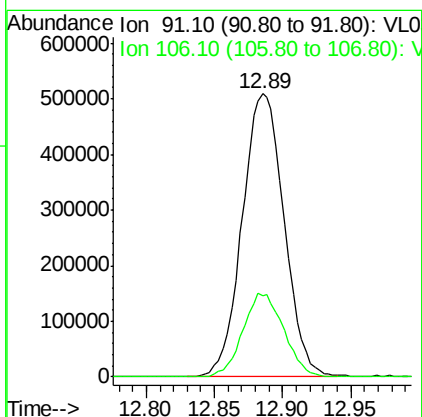
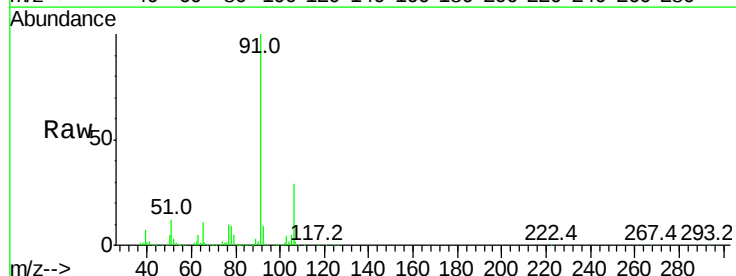
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDP

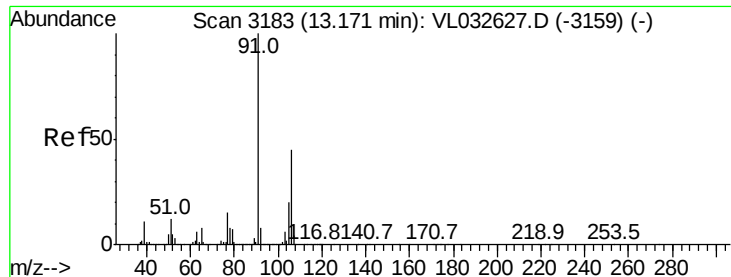
Tgt Ion: 112 Resp: 121428
Ion Ratio Lower Upper
112 100
77 13.0 56.8 85.2#
114 1.0 30.3 37.1#



#58
Ethyl Benzene
Concen: 3.775 ppbv
RT: 12.89 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 91 Resp: 1078864
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.2

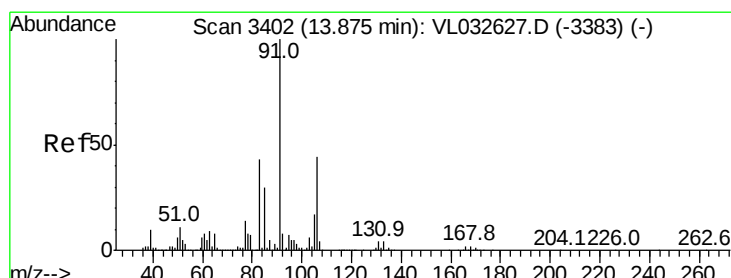
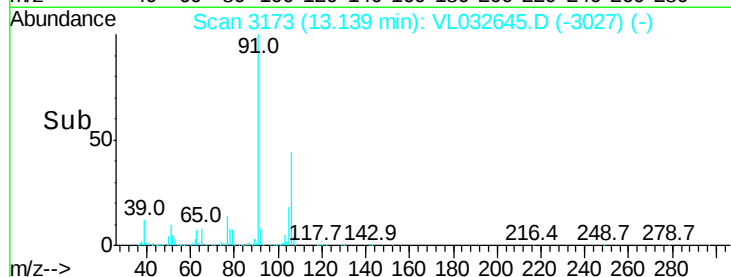
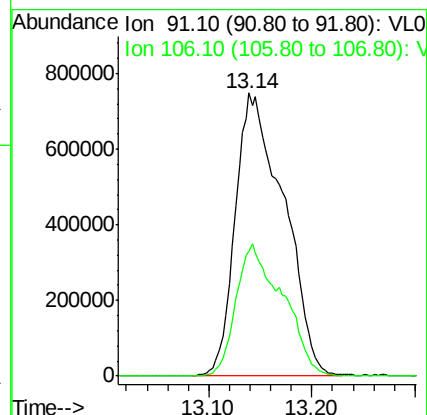
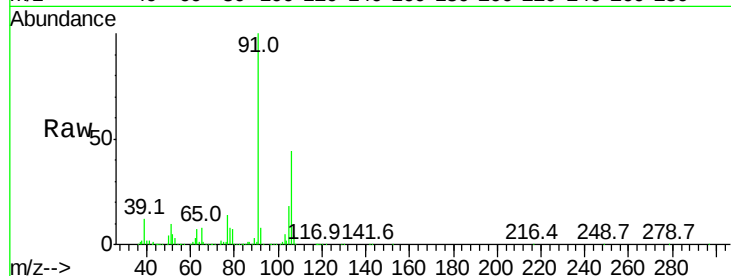




#59
m/p-Xylene
Concen: 9.547 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

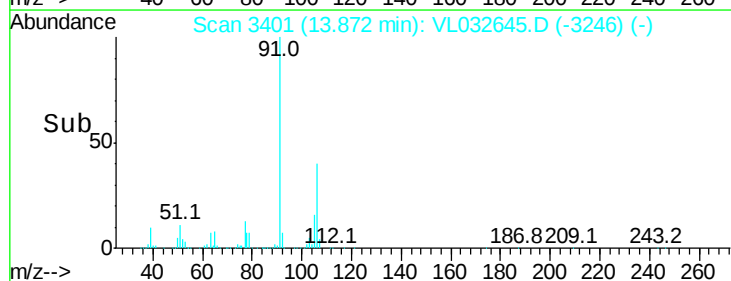
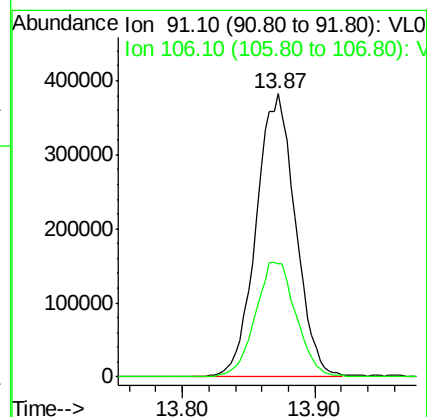
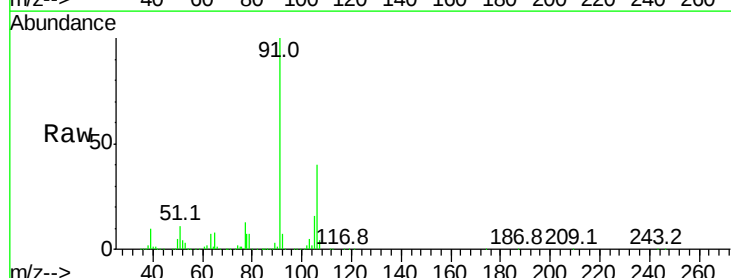
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDLDUP

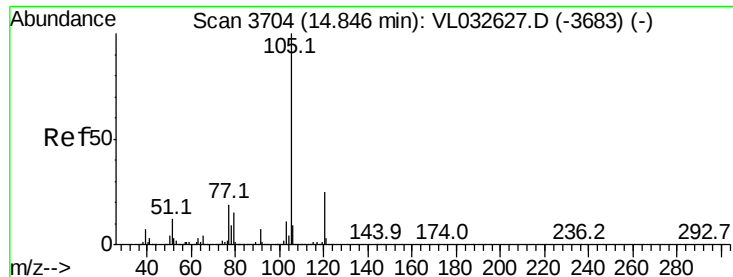
Tgt Ion: 91 Resp: 2435942
Ion Ratio Lower Upper
91 100
106 45.1 35.9 53.9



#60
o-Xylene
Concen: 3.091 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032645.D
Acq: 17 Oct 2018 17:37

Tgt Ion: 91 Resp: 785918
Ion Ratio Lower Upper
91 100
106 42.1 22.1 66.1





#62

Isopropylbenzene

Concen: 0.072 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. -0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

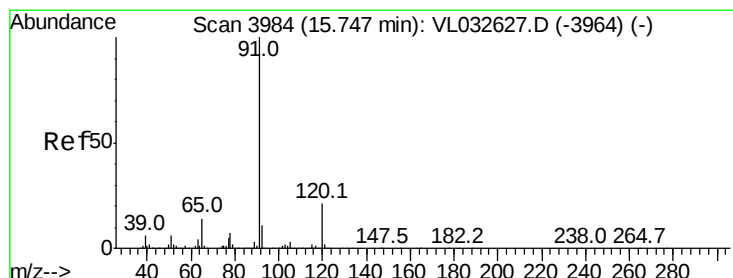
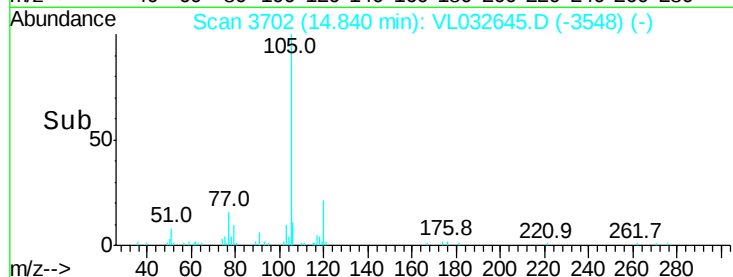
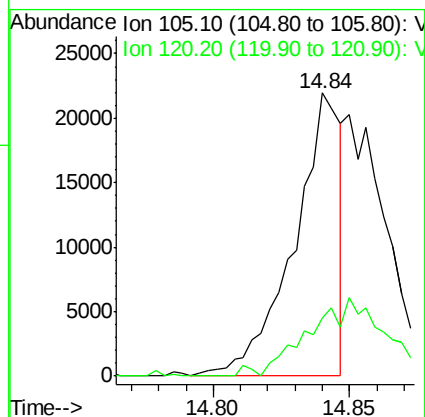
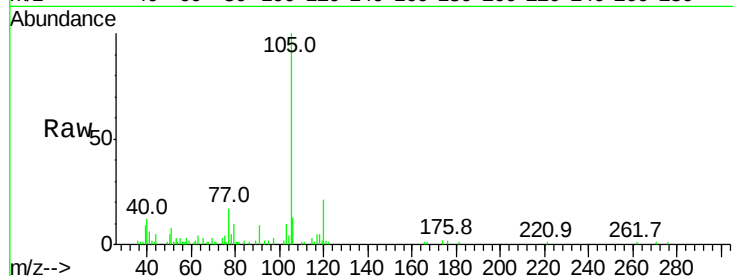
SS08-MIVIDLDUP

Tgt Ion:105 Resp: 25929

Ion Ratio Lower Upper

105 100

120 0.0 20.5 30.7#



#64

n-propylbenzene

Concen: 0.072 ppbv

RT: 15.74 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VL032645.D

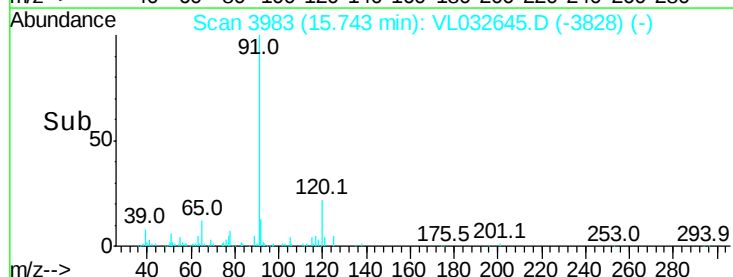
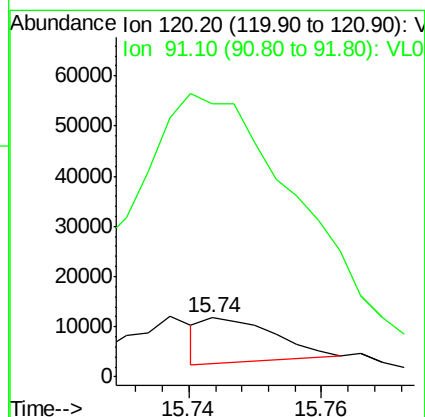
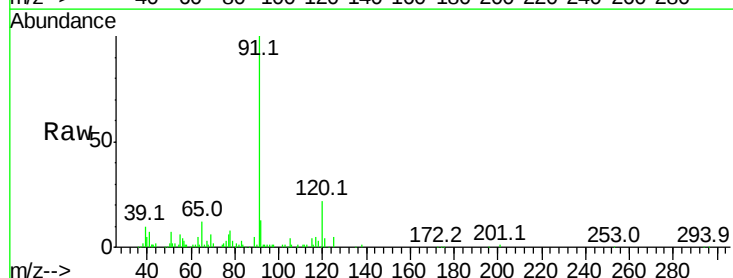
Acq: 17 Oct 2018 17:37

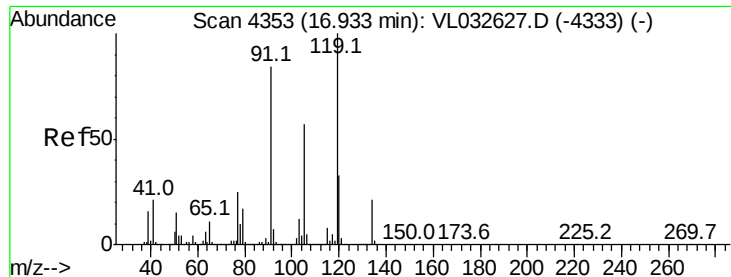
Tgt Ion:120 Resp: 6619

Ion Ratio Lower Upper

120 100

91 1901.3 390.2 585.2#





#65

tert-Butylbenzene

Concen: 0.130 ppbv

RT: 16.95 min Scan# 4358

Delta R.T. 0.02 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP

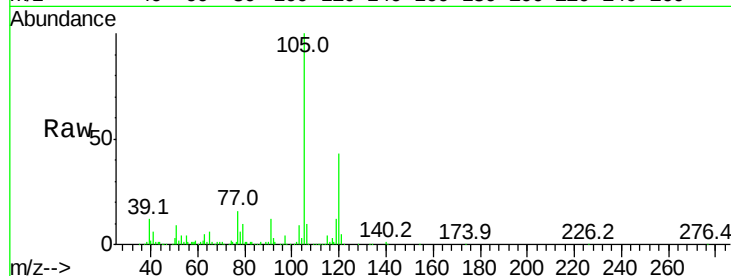
Tgt Ion: 119 Resp: 40037

Ion Ratio Lower Upper

119 100

91 125.3 67.8 101.8#

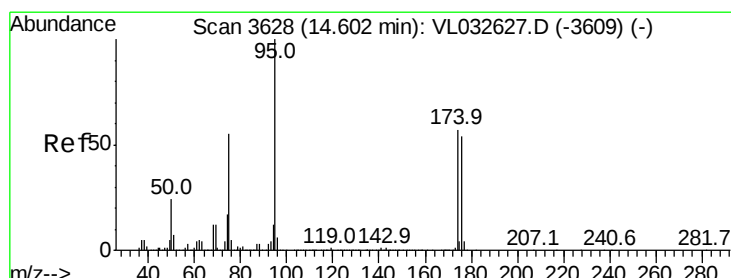
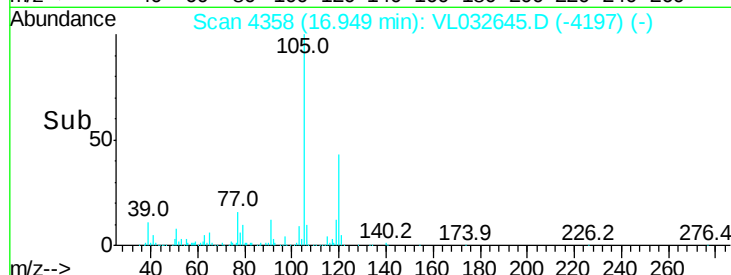
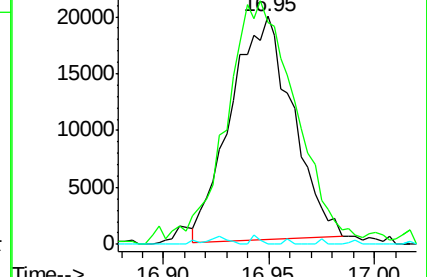
134 0.5 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.269 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. -0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

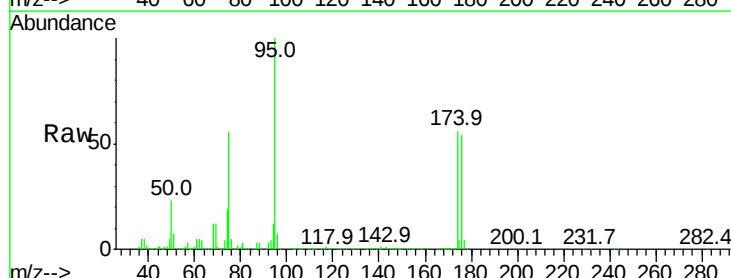
Tgt Ion: 95 Resp: 1967806

Ion Ratio Lower Upper

95 100

174 57.9 46.0 69.0

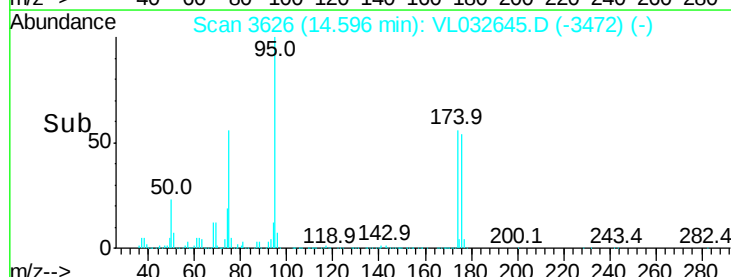
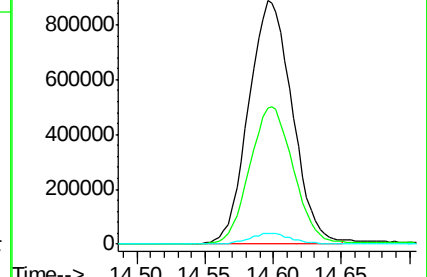
175 4.3 3.4 5.0

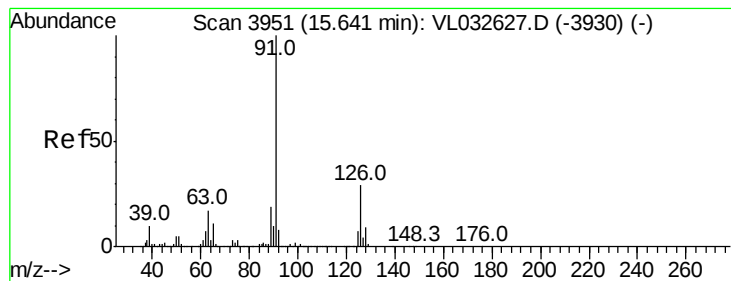


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#71

2-Chlorotoluene

Concen: 0.444 ppbv

RT: 15.74 min Scan# 3982

Delta R.T. 0.10 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

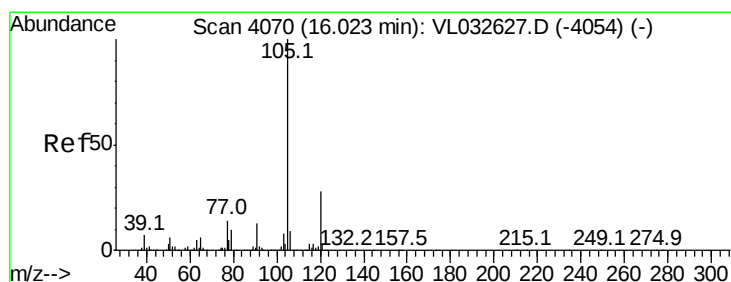
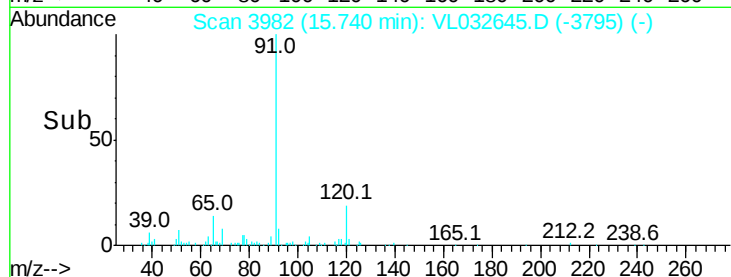
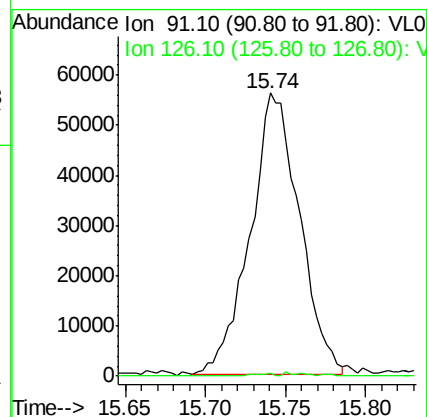
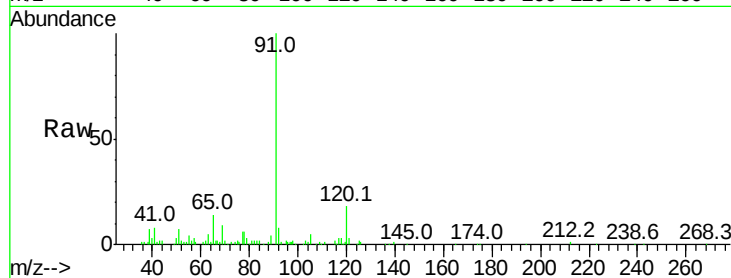
SS08-MIVIDLDP

Tgt Ion: 91 Resp: 119005

Ion Ratio Lower Upper

91 100

126 1.0 11.8 47.4#



#72

4-Ethyltoluene

Concen: 0.814 ppbv

RT: 16.02 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Tgt Ion: 105 Resp: 223757

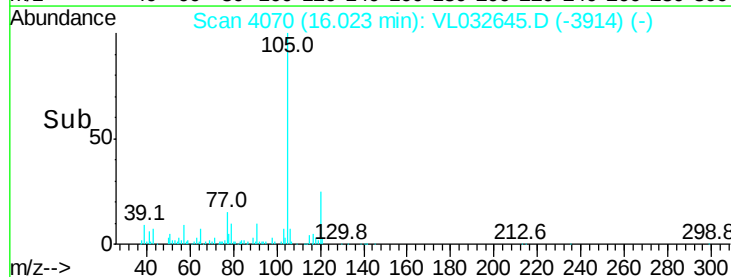
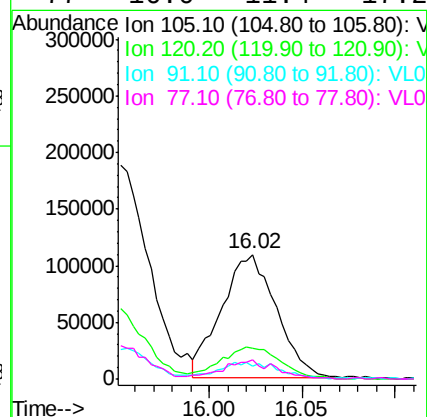
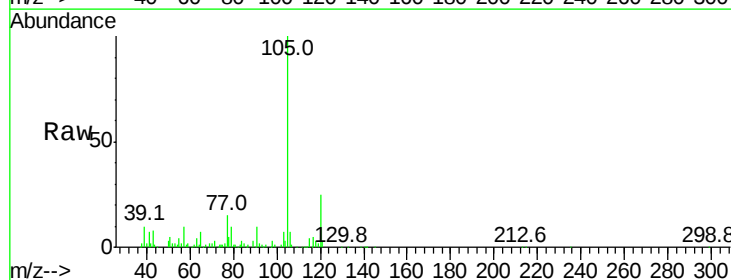
Ion Ratio Lower Upper

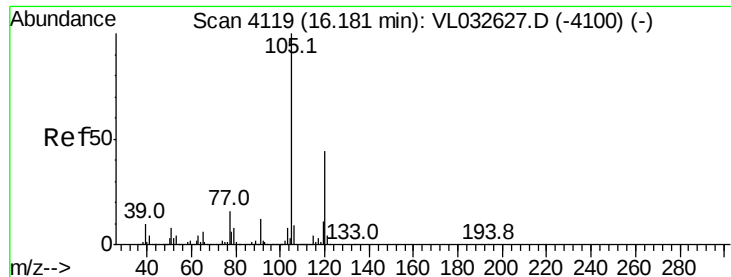
105 100

120 28.2 23.7 35.5

91 13.9 10.4 15.6

77 16.0 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 0.454 ppbv

RT: 16.18 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

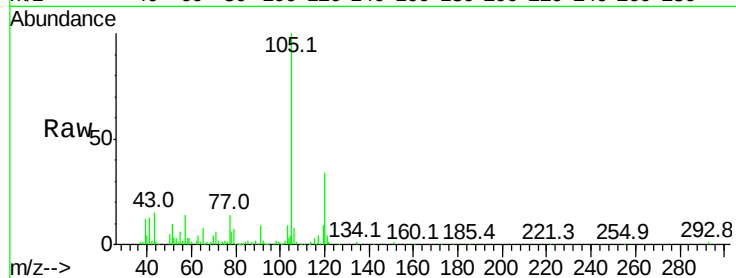
SS08-MIVIDLDUP

Tgt Ion:105 Resp: 124128

Ion Ratio Lower Upper

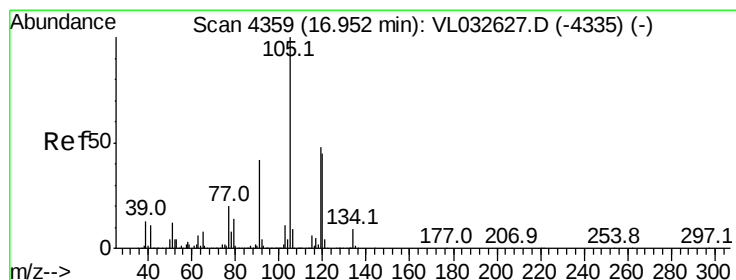
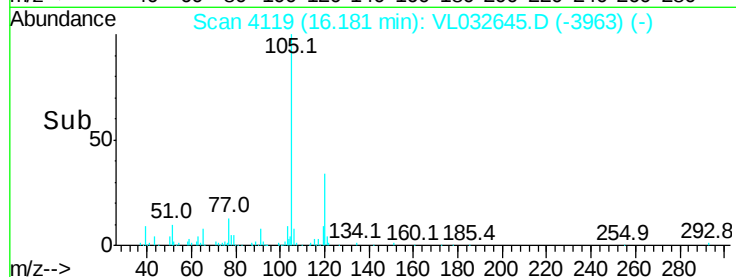
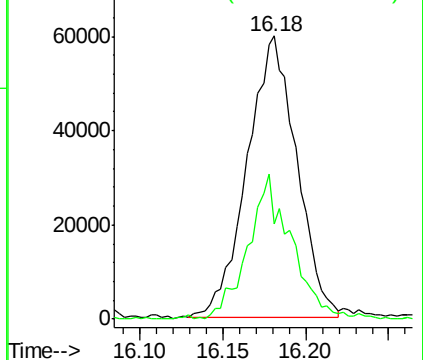
105 100

120 32.2 35.4 53.2#



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: 1.253 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL032645.D

Acq: 17 Oct 2018 17:37

Tgt Ion:105 Resp: 377209

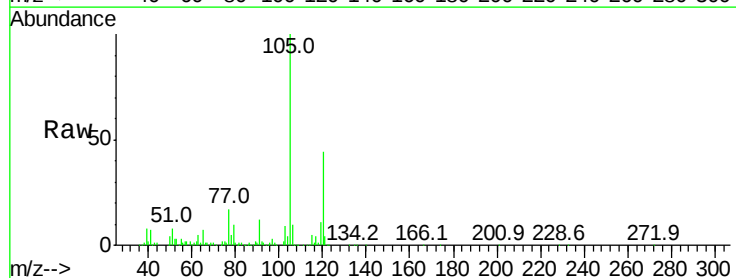
Ion Ratio Lower Upper

105 100

120 43.8 35.8 53.8

91 11.5 33.2 49.8#

77 16.5 16.2 24.4

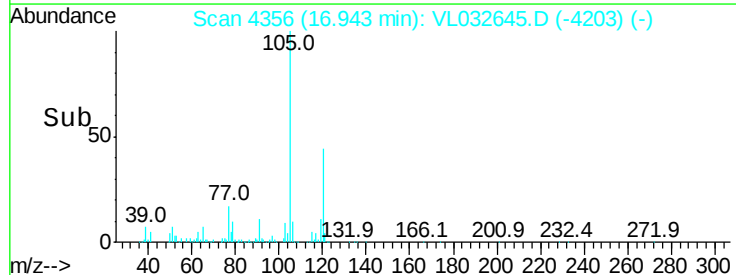
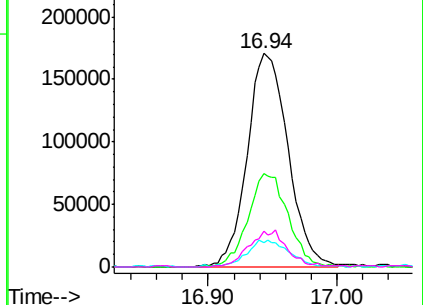


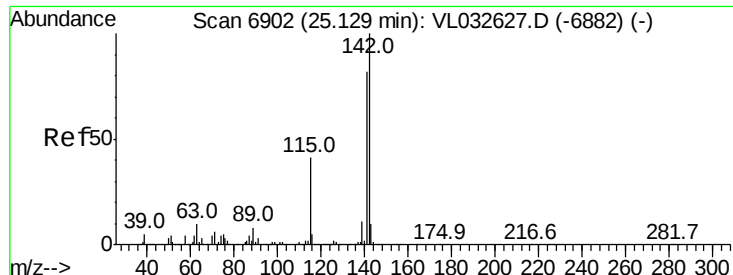
Abundance Ion 105.10 (104.80 to 105.80): V

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





#80

Naphthalene, 2-methyl-

Concen: 0.742 ppbv

RT: 25.18 min Scan# 6918

Delta R.T. 0.05 min

Lab File: VL032645.D

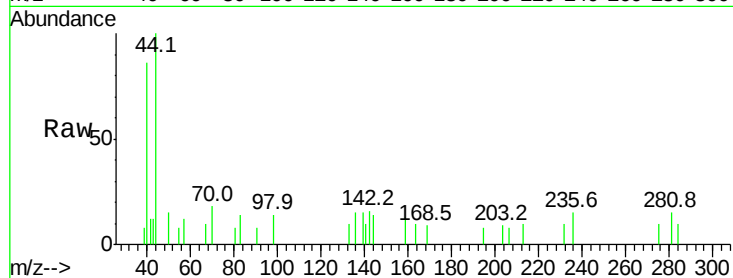
Acq: 17 Oct 2018 17:37

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDLDP



Tgt Ion:	142	Resp:	170
Ion	Ratio	Lower	Upper
142	100		
141	72.4	67.5	101.3
115	0.0	33.5	50.3#

