

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032466.D
 Acq On : 5 Sep 2018 20:49
 Operator : SY/AP
 Sample : J4745-03 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-01

Quant Time: Sep 06 05:01:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1601694	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3319628	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3172780	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2444115	10.38	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

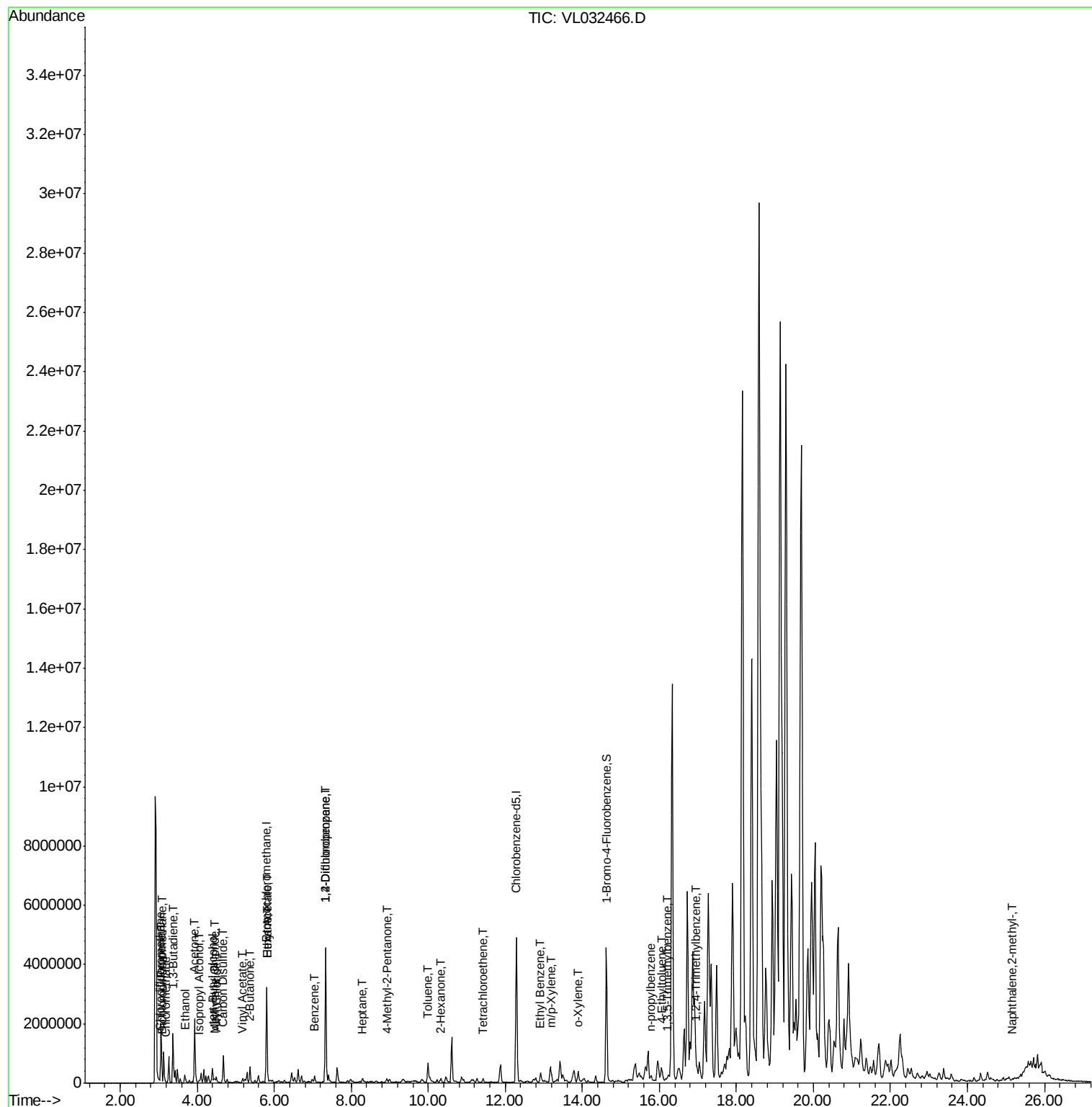
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	11761	0.057	ppbv #	86
3) Chlorodifluoromethane	3.04	51	5661	0.039	ppbv	98
4) Chloromethane	3.20	50	3756	0.043	ppbv	93
9) Propene	3.06	41	844647	14.442	ppbv	95
10) Heptane	8.29	43	59063	0.281	ppbv	95
13) Ethanol	3.68	45	277296	15.210	ppbv	100
15) Acetone	3.93	43	2209043	15.315	ppbv	94
16) 1,3-Butadiene	3.37	39	529013	7.794	ppbv #	22
17) tert-Butyl alcohol	4.40	59	374102	16.854	ppbv #	100
19) Isopropyl Alcohol	4.06	45	51924	0.549	ppbv #	93
20) Methylene Chloride	4.44	84	45499	0.827	ppbv #	92
21) Allyl Chloride	4.50	41	23304	0.243	ppbv #	1
23) Vinyl Acetate	5.19	43	81357	0.340	ppbv #	68
25) Ethyl Acetate	5.82	43	90973	0.267	ppbv #	83
26) Hexane	5.82	57	120628	0.791	ppbv #	41
27) Carbon Disulfide	4.66	76	41475	0.295	ppbv #	87
34) 2-Butanone	5.37	43	610021	2.767	ppbv	98
36) Benzene	7.05	78	174384	0.617	ppbv	95
39) 1,2-Dichloropropane	7.34	63	882307	7.300	ppbv #	25
50) 4-Methyl-2-Pentanone	8.93	43	99247	0.299	ppbv	97
51) 2-Hexanone	10.32	43	108214	0.506	ppbv	96
52) Tetrachloroethene	11.42	164	18791	0.215	ppbv	94
53) Toluene	9.99	91	496011	1.680	ppbv	99
58) Ethyl Benzene	12.91	91	174489	0.460	ppbv	97
59) m/p-Xylene	13.20	91	107736	0.318	ppbv #	31
60) o-Xylene	13.90	91	170031	0.511	ppbv	99
64) n-propylbenzene	15.77	120	8915	0.073	ppbv #	1
72) 4-Ethyltoluene	16.04	105	50743	0.140	ppbv #	52
73) 1,3,5-Trimethylbenzene	16.21	105	29288	0.081	ppbv	100
74) 1,2,4-Trimethylbenzene	16.97	105	123556	0.311	ppbv #	71
80) Naphthalene,2-methyl-	25.16	142	6097	0.071	ppbv #	65

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

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QLast Update : Fri Aug 31 21:33:46 2018
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

Lab File: VL032466.D

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Instrument :

MSVOA_L

ClientSampleId :

VP-01

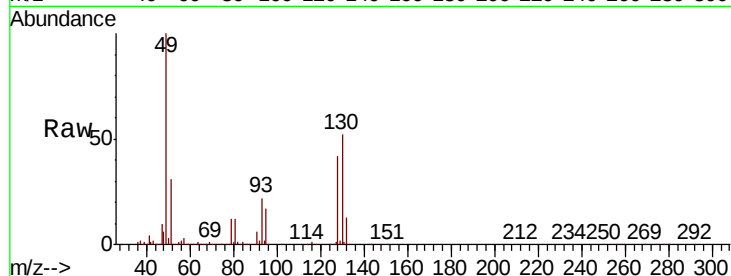
Tgt Ion: 49 Resp: 1601694

Ion Ratio Lower Upper

49 100

128 41.5 20.7 62.1

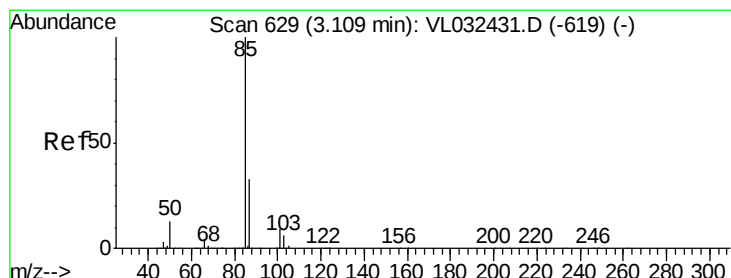
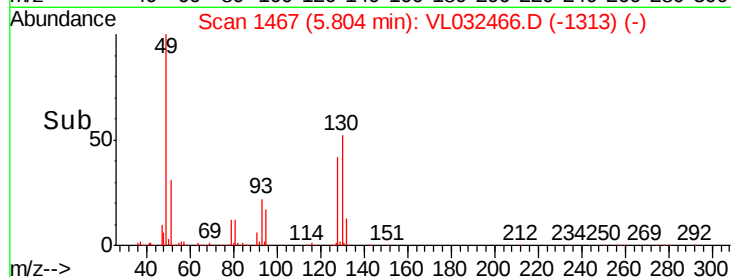
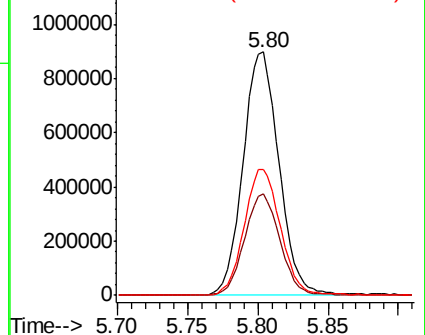
130 52.4 26.6 79.7



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: 0.057 ppbv

RT: 3.10 min Scan# 627

Delta R.T. -0.01 min

Lab File: VL032466.D

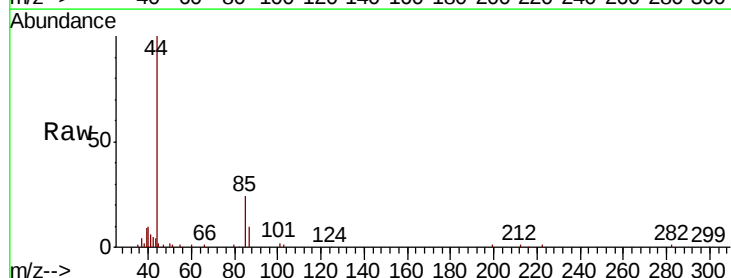
Acq: 5 Sep 2018 20:49

Tgt Ion: 85 Resp: 11761

Ion Ratio Lower Upper

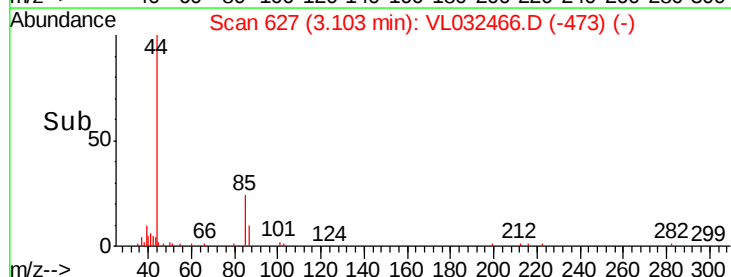
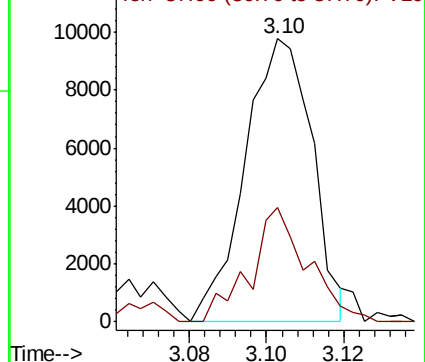
85 100

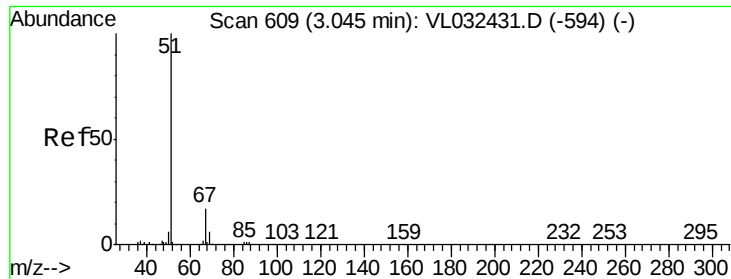
87 40.6 26.2 39.4#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 3.04 min Scan# 606

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

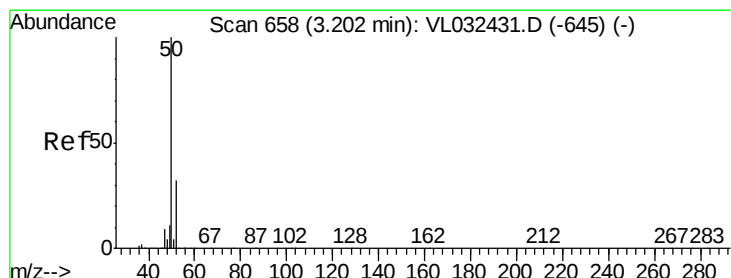
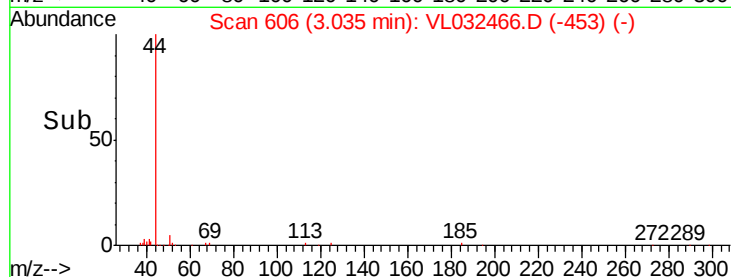
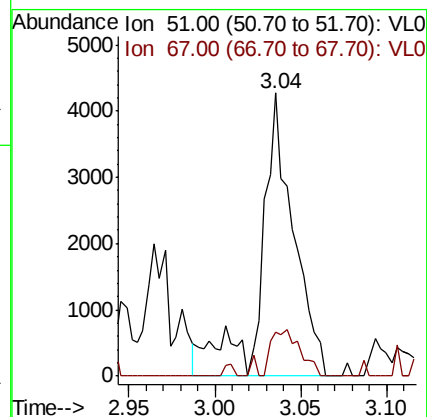
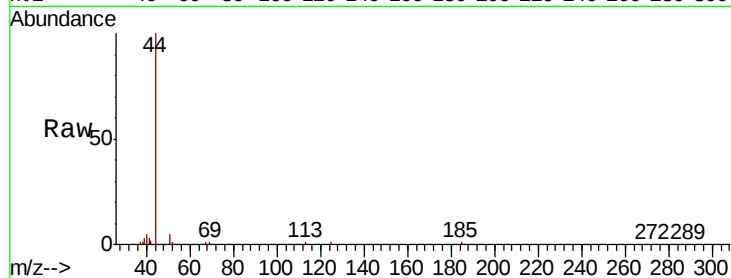
VP-01

Tgt Ion: 51 Resp: 5661

Ion Ratio Lower Upper

51 100

67 16.6 13.8 20.8



#4

Chloromethane

Concen: 0.043 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032466.D

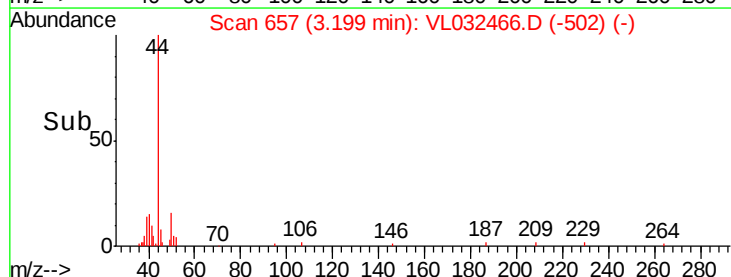
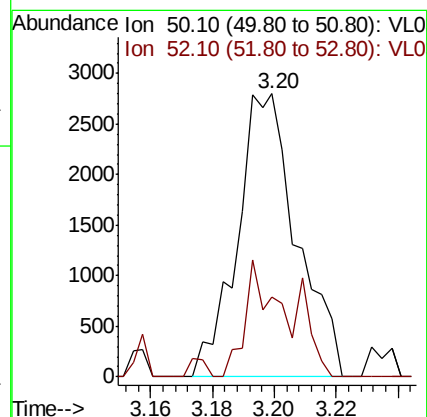
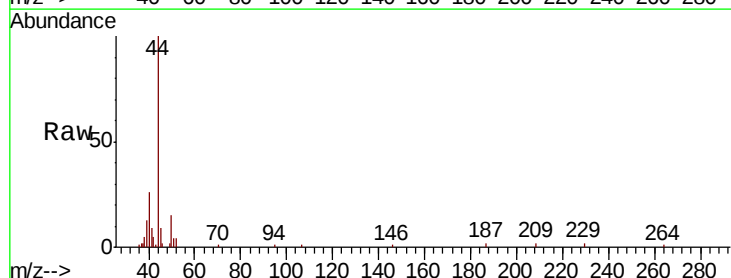
Acq: 5 Sep 2018 20:49

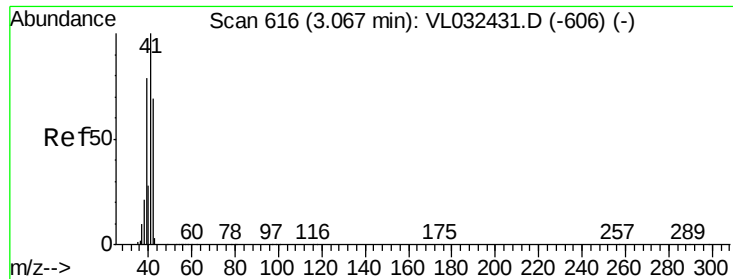
Tgt Ion: 50 Resp: 3756

Ion Ratio Lower Upper

50 100

52 28.0 25.6 38.4





#9

Propene

Concen: 14.442 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

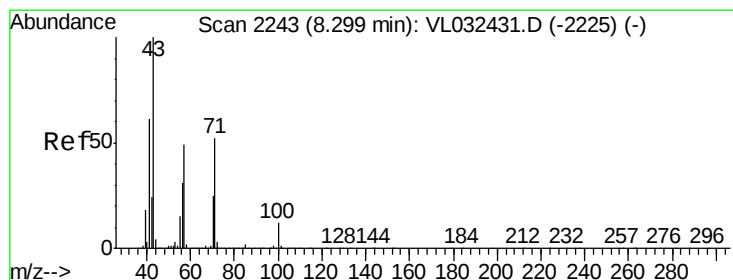
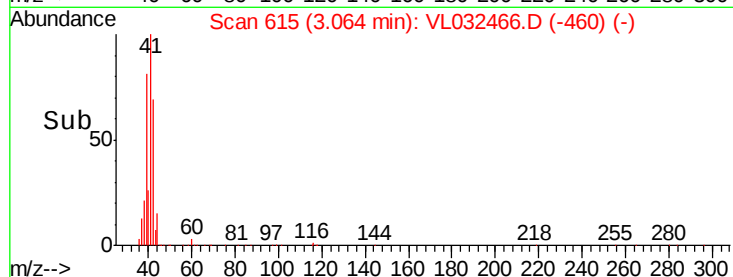
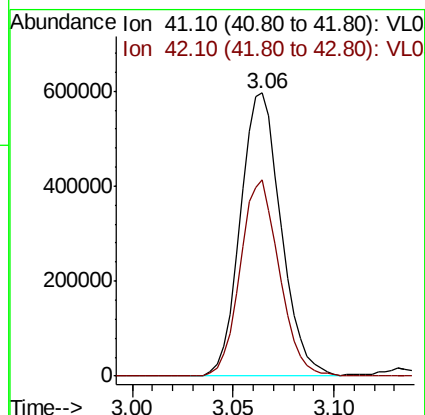
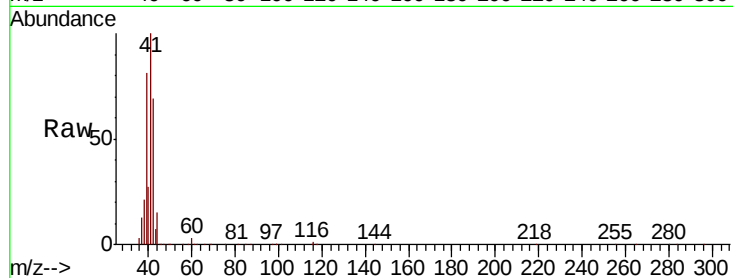
VP-01

Tgt Ion: 41 Resp: 844647

Ion Ratio Lower Upper

41 100

42 66.9 56.6 84.8



#10

Heptane

Concen: 0.281 ppbv

RT: 8.29 min Scan# 2241

Delta R.T. -0.01 min

Lab File: VL032466.D

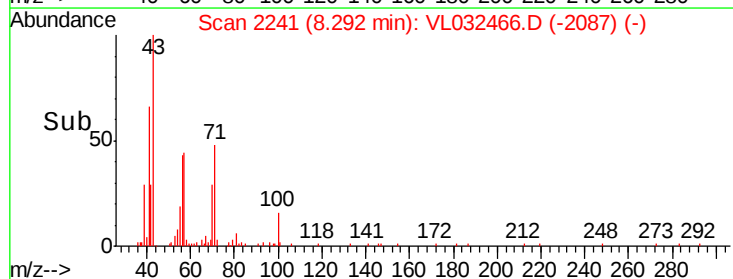
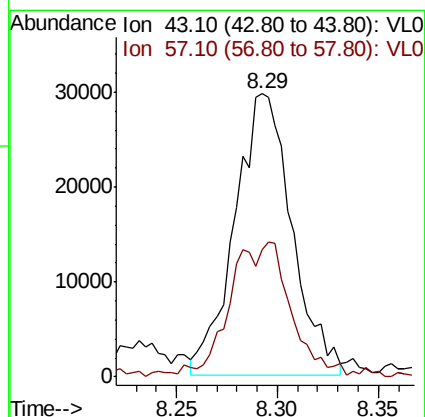
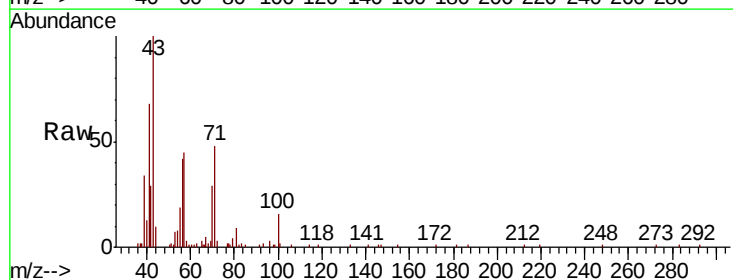
Acq: 5 Sep 2018 20:49

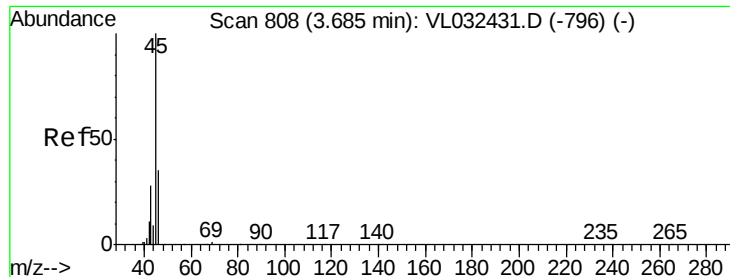
Tgt Ion: 43 Resp: 59063

Ion Ratio Lower Upper

43 100

57 53.1 39.6 59.4





#13

Ethanol

Concen: 15.210 ppbv

RT: 3.68 min Scan# 807

Delta R.T. -0.00 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

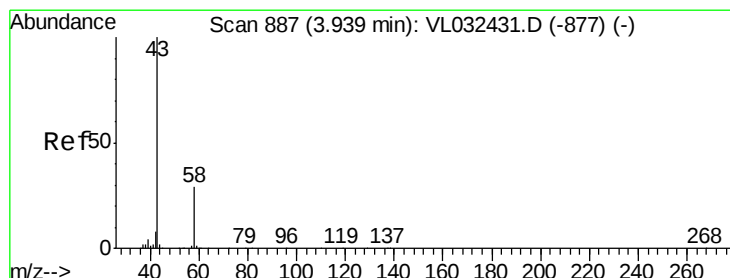
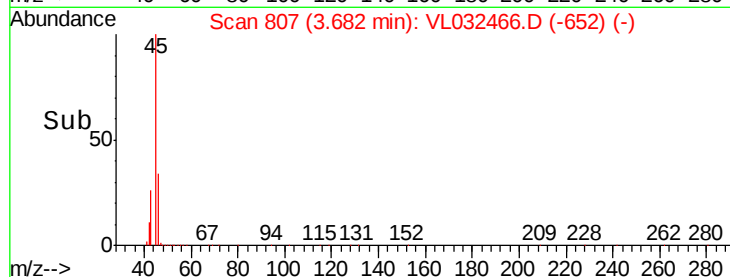
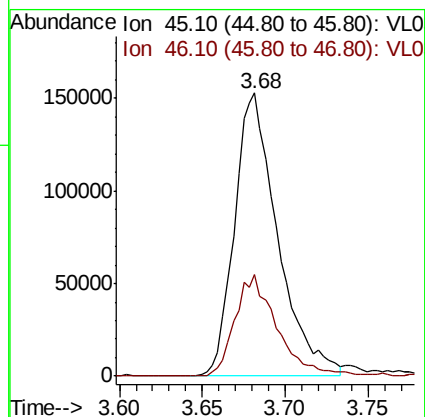
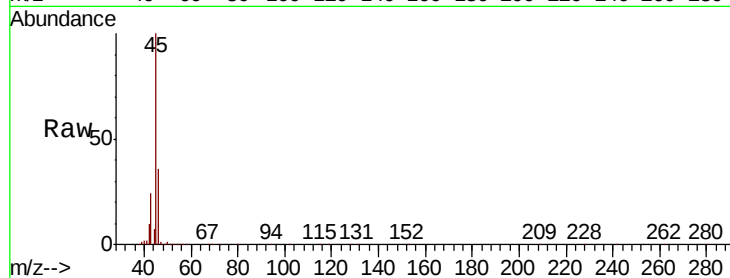
VP-01

Tgt Ion: 45 Resp: 277296

Ion Ratio Lower Upper

45 100

46 35.3 14.2 56.8



#15

Acetone

Concen: 15.315 ppbv

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VL032466.D

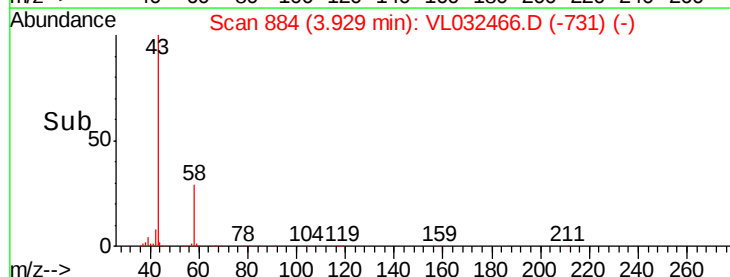
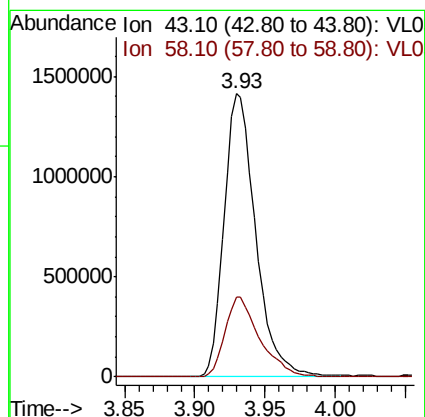
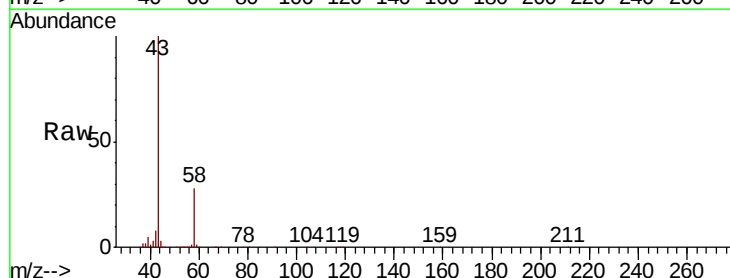
Acq: 5 Sep 2018 20:49

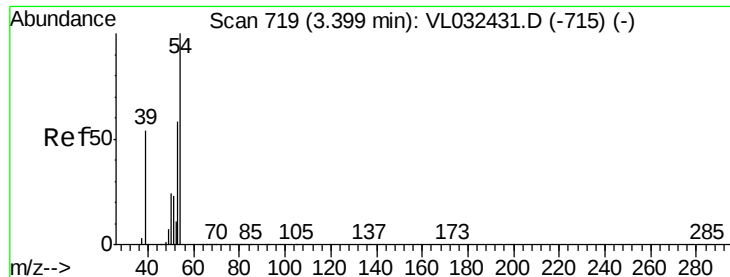
Tgt Ion: 43 Resp: 2209043

Ion Ratio Lower Upper

43 100

58 31.5 22.6 33.8

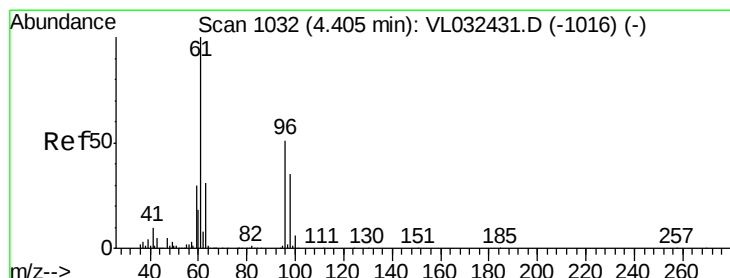
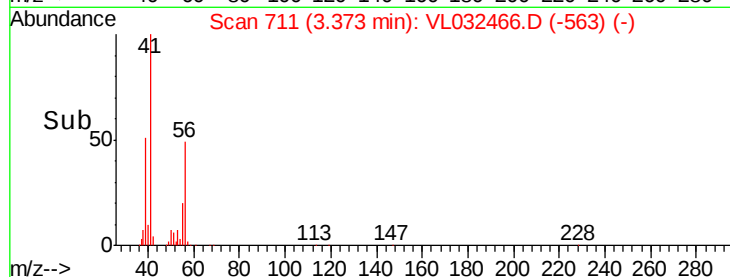
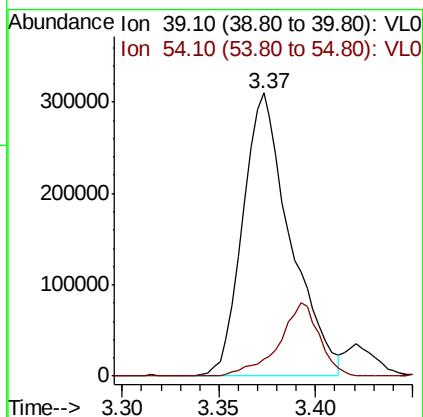
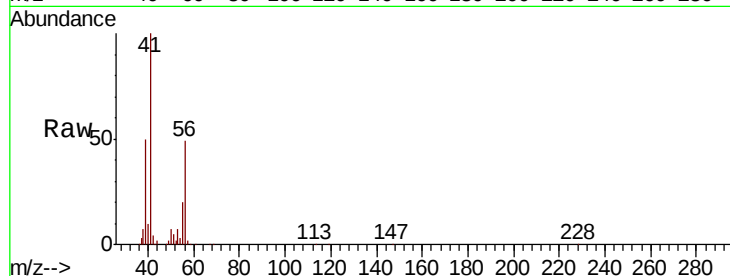




#16
 1,3-Butadiene
 Concen: 7.794 ppbv
 RT: 3.37 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: VL032466.D
 Acq: 5 Sep 2018 20:49

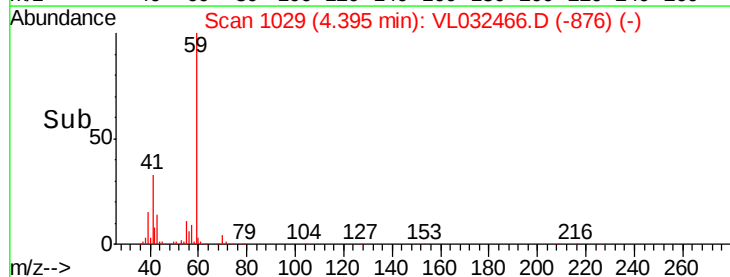
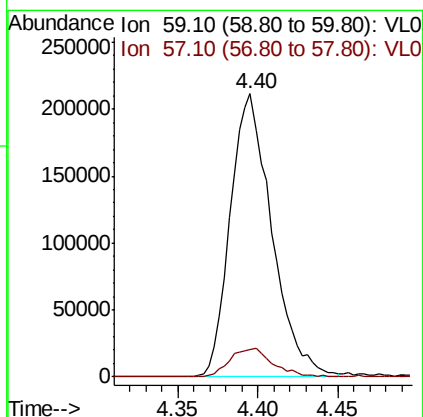
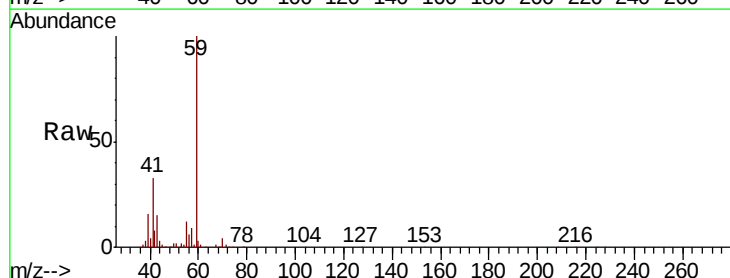
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-01

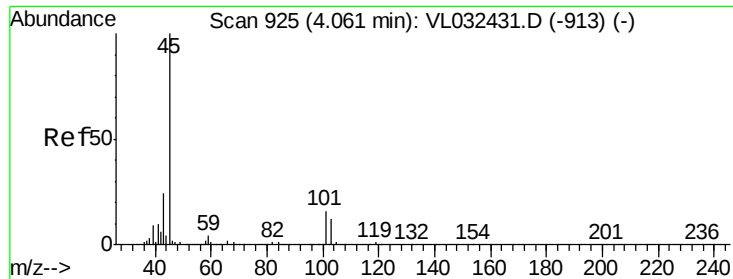
Tgt Ion: 39 Resp: 529013
 Ion Ratio Lower Upper
 39 100
 54 22.3 80.8 121.2#



#17
 tert-Butyl alcohol
 Concen: 16.854 ppbv
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VL032466.D
 Acq: 5 Sep 2018 20:49

Tgt Ion: 59 Resp: 374102
 Ion Ratio Lower Upper
 59 100
 57 11.0 0.0 0.0#





#19

Isopropyl Alcohol

Concen: 0.549 ppbv

RT: 4.06 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

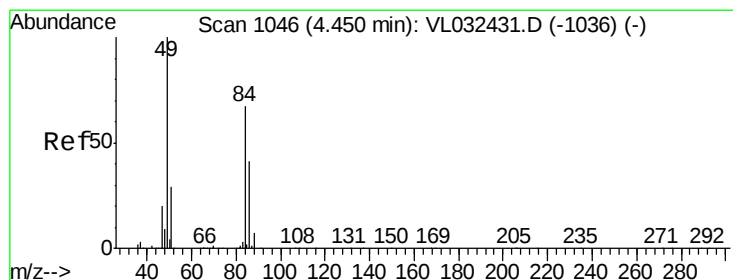
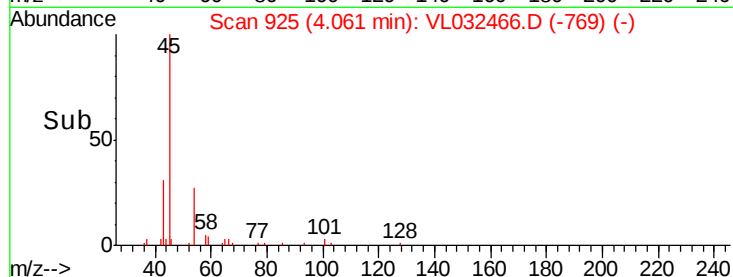
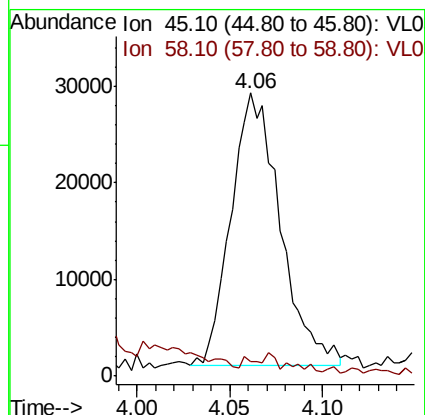
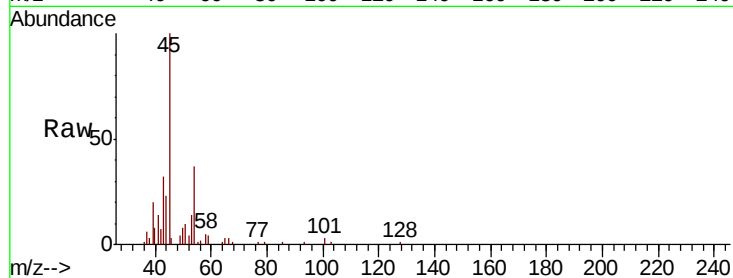
VP-01

Tgt Ion: 45 Resp: 51924

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 0.827 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Tgt Ion: 84 Resp: 45499

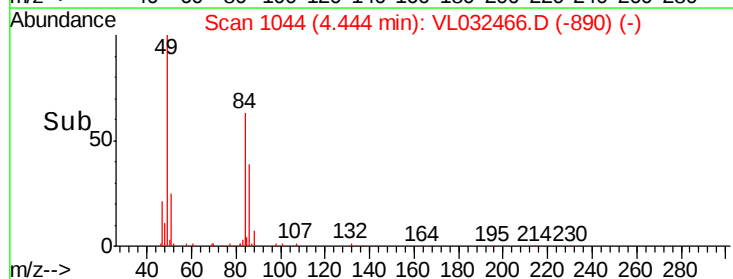
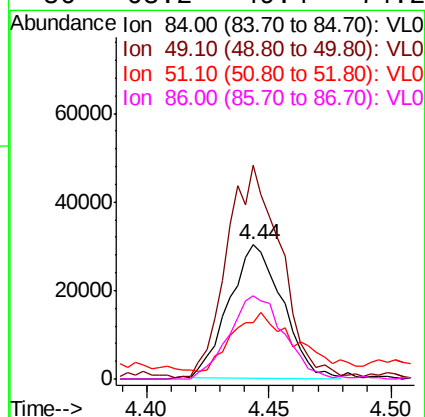
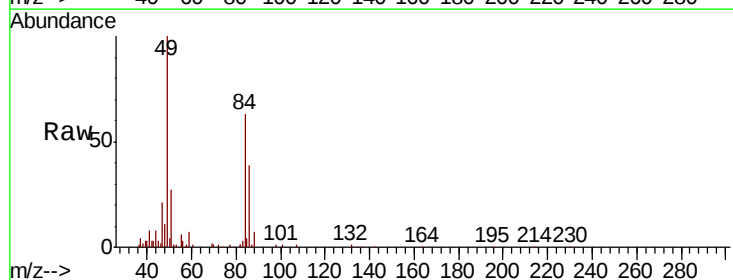
Ion Ratio Lower Upper

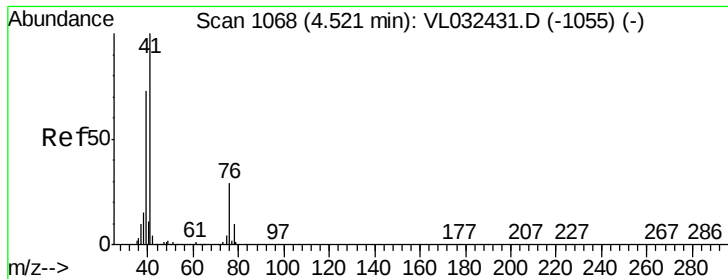
84 100

49 159.4 119.1 178.7

51 35.0 35.2 52.8#

86 63.2 49.4 74.2

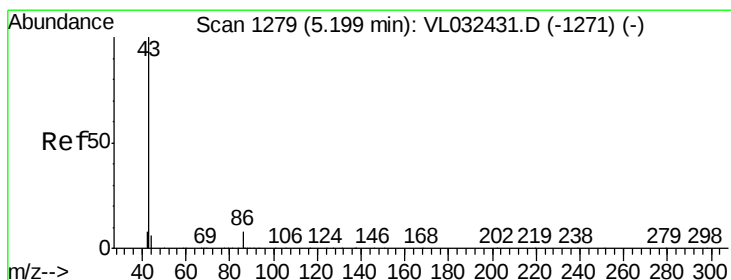
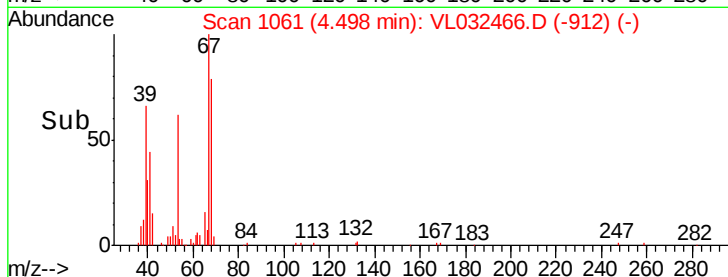
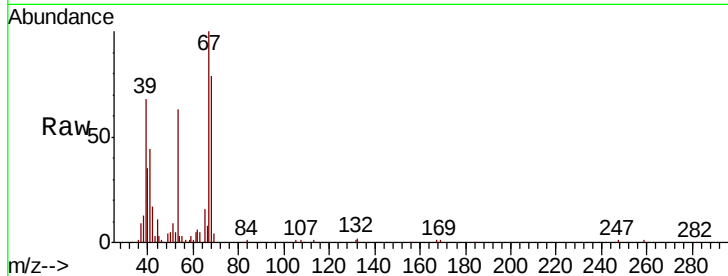




#21
 Allyl Chloride
 Concen: 0.243 ppbv
 RT: 4.50 min Scan# 1061
 Delta R.T. -0.02 min
 Lab File: VL032466.D
 Acq: 5 Sep 2018 20:49

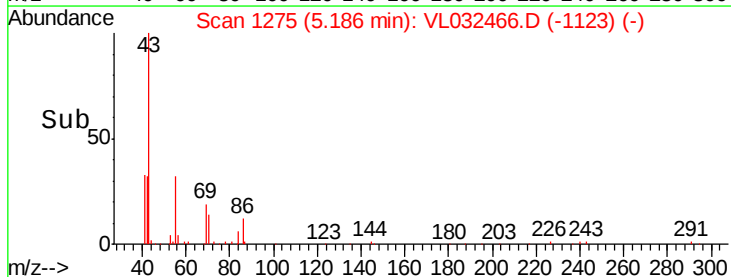
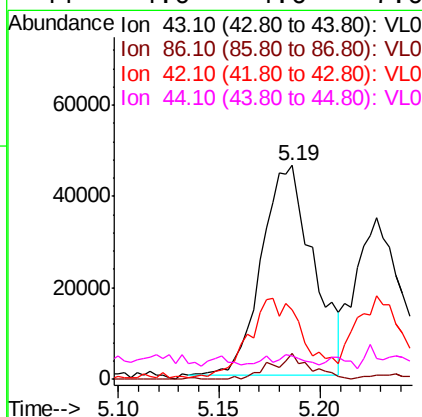
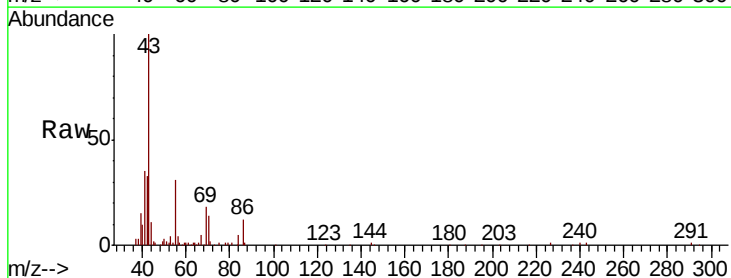
Instrument :
 MSVOA_L
 ClientSampled :
 VP-01

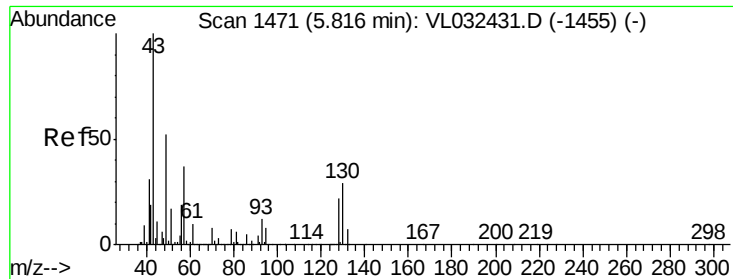
Tgt Ion: 41 Resp: 23304
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.6 35.4#
 39 227.5 57.7 86.5#



#23
 Vinyl Acetate
 Concen: 0.340 ppbv
 RT: 5.19 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: VL032466.D
 Acq: 5 Sep 2018 20:49

Tgt Ion: 43 Resp: 81357
 Ion Ratio Lower Upper
 43 100
 86 11.5 5.9 8.9#
 42 32.7 6.9 10.3#
 44 4.0 4.6 7.0#

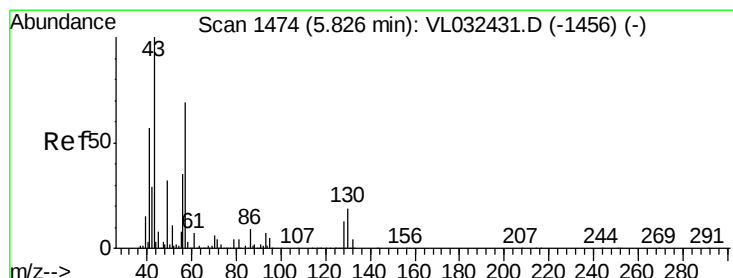
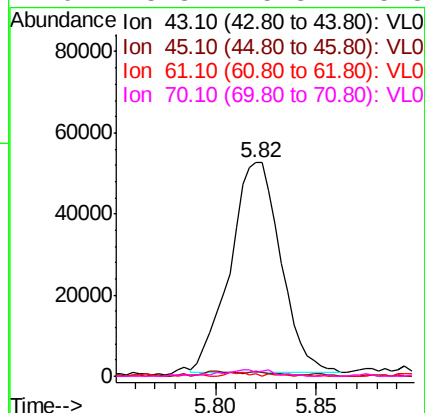
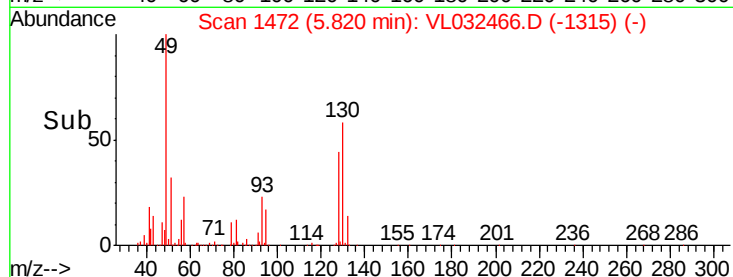
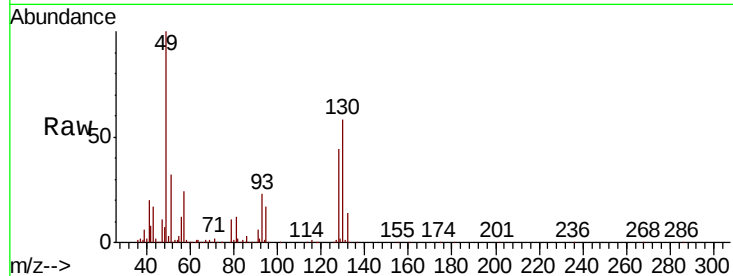




#25
Ethyl Acetate
Concen: 0.267 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VL032466.D
Acq: 5 Sep 2018 20:49

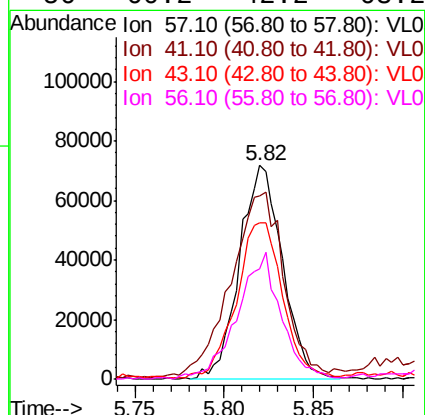
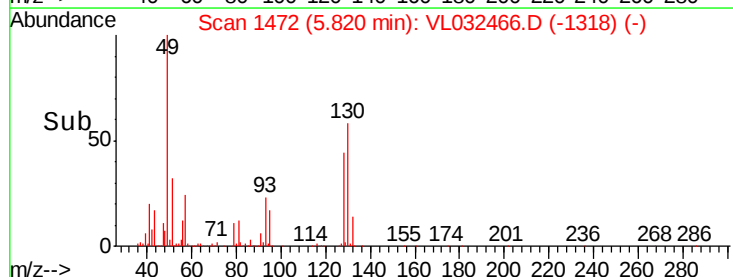
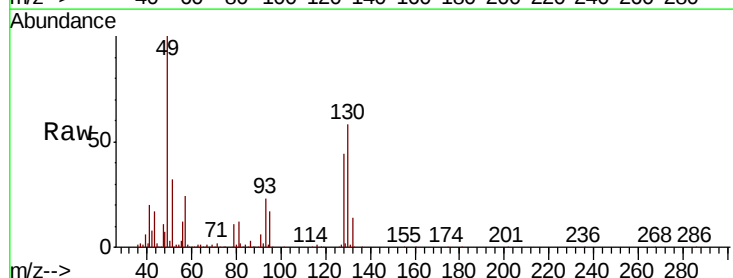
Instrument :
MSVOA_L
ClientSampleId :
VP-01

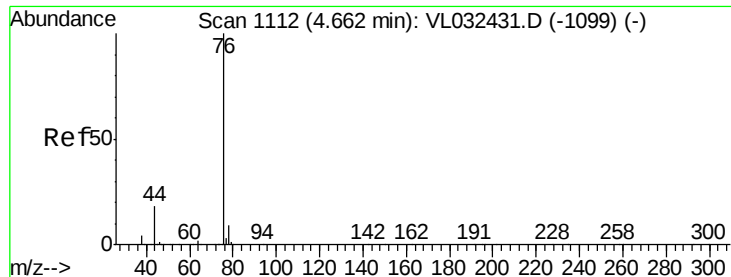
Tgt Ion:	43	Resp:	90973
Ion	Ratio	Lower	Upper
43	100		
45	3.7	8.0	12.0#
61	1.4	7.6	11.4#
70	3.3	5.8	8.8#



#26
Hexane
Concen: 0.791 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VL032466.D
Acq: 5 Sep 2018 20:49

Tgt Ion:	57	Resp:	120628
Ion	Ratio	Lower	Upper
57	100		
41	105.7	69.0	103.4#
43	79.9	172.1	258.1#
56	60.2	42.2	63.2





#27

Carbon Disulfide

Concen: 0.295 ppbv

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

VP-01

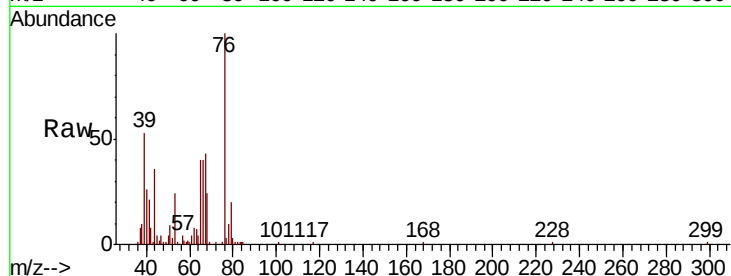
Tgt Ion: 76 Resp: 41475

Ion Ratio Lower Upper

76 100

44 24.9 14.0 21.0#

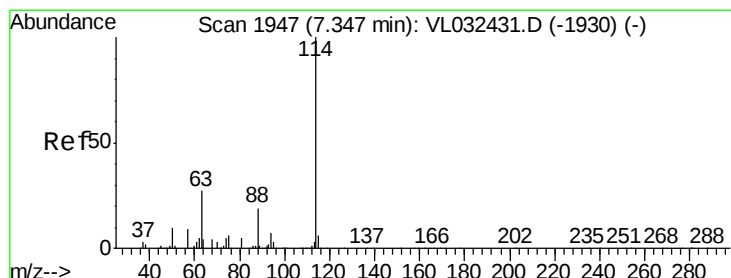
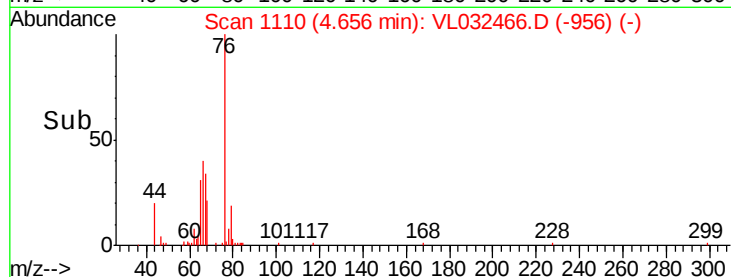
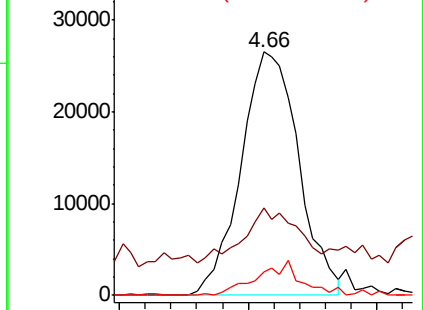
78 11.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

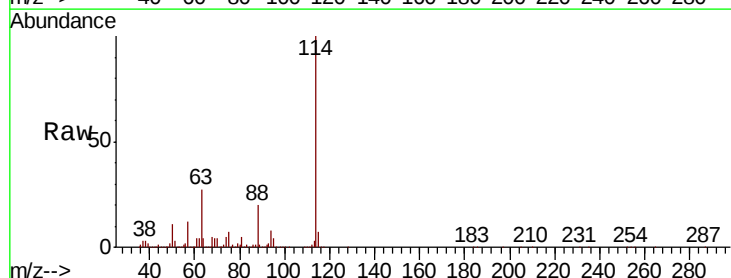
Tgt Ion: 114 Resp: 3319628

Ion Ratio Lower Upper

114 100

63 26.8 22.2 33.4

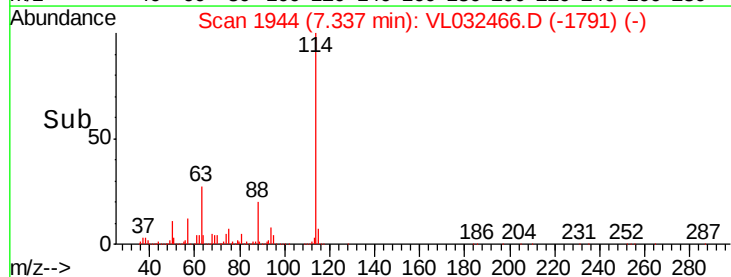
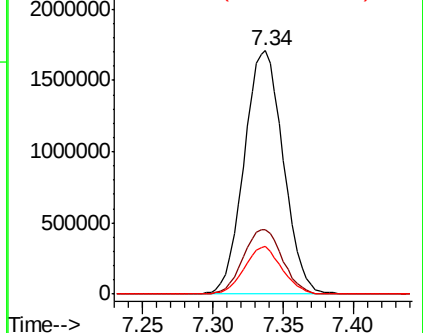
88 18.8 15.0 22.4

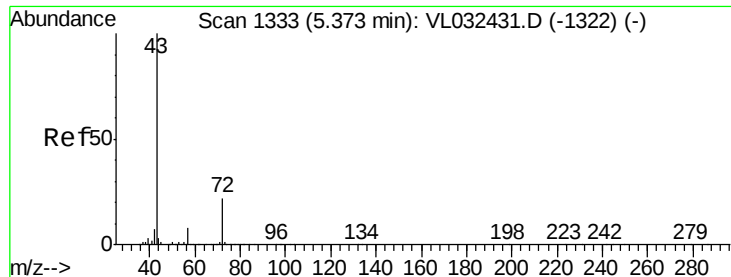


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

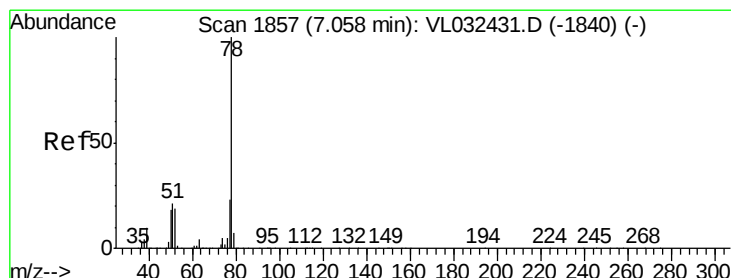
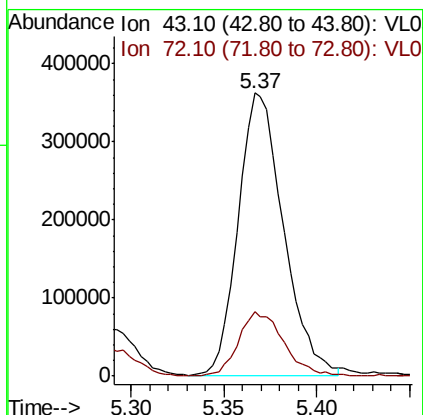
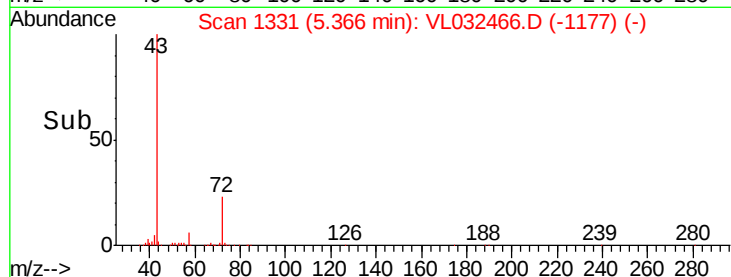
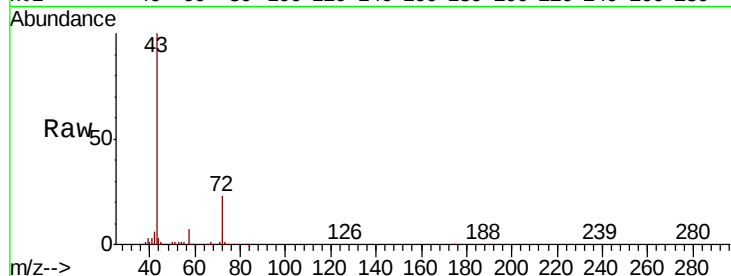




#34
2-Butanone
Concen: 2.767 ppbv
RT: 5.37 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VL032466.D
Acq: 5 Sep 2018 20:49

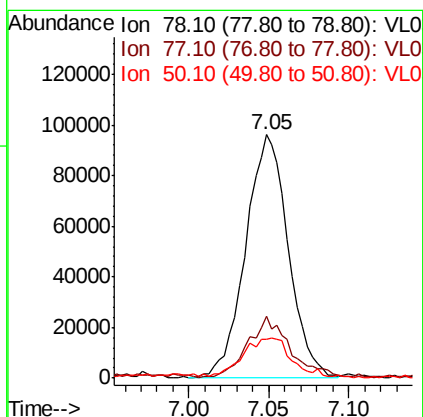
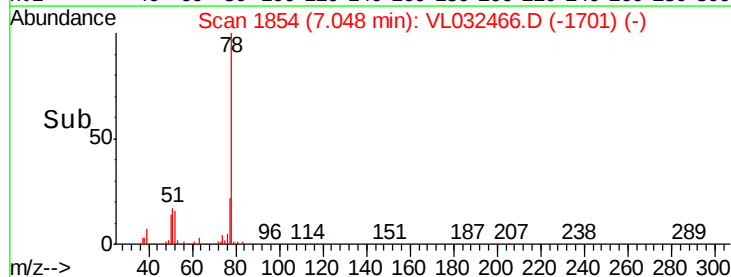
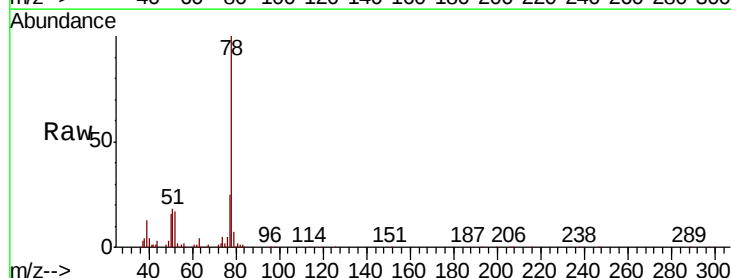
Instrument :
MSVOA_L
ClientSampleId :
VP-01

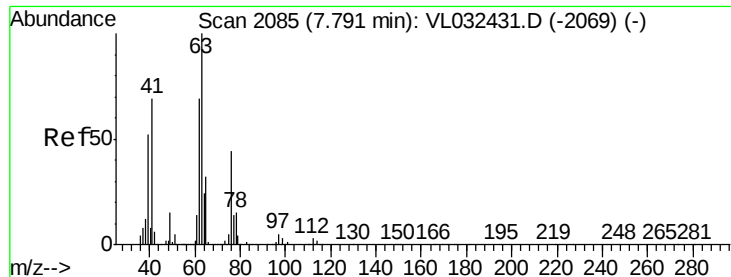
Tgt Ion: 43 Resp: 610021
Ion Ratio Lower Upper
43 100
72 23.3 17.8 26.6



#36
Benzene
Concen: 0.617 ppbv
RT: 7.05 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VL032466.D
Acq: 5 Sep 2018 20:49

Tgt Ion: 78 Resp: 174384
Ion Ratio Lower Upper
78 100
77 24.2 18.4 27.6
50 14.8 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.300 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

VP-01

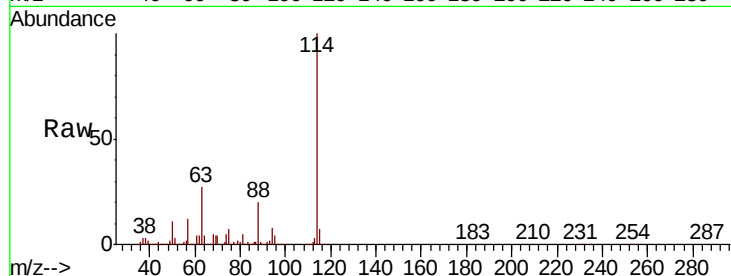
Tgt Ion: 63 Resp: 882307

Ion Ratio Lower Upper

63 100

41 0.0 55.4 83.0#

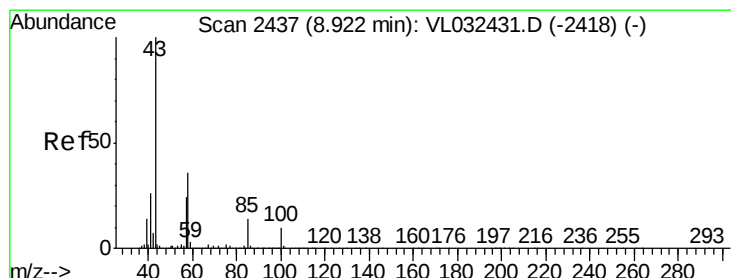
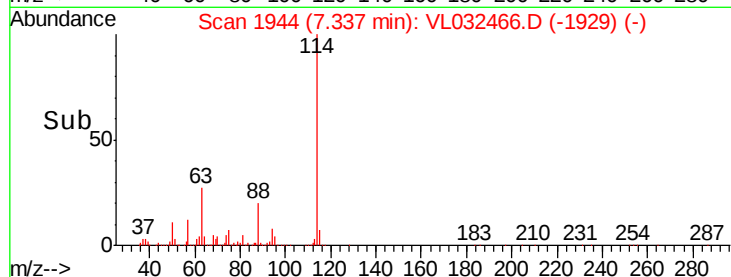
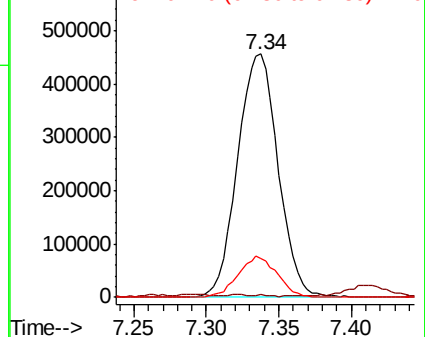
62 15.9 55.4 83.0#



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



#50

4-Methyl-2-Pentanone

Concen: 0.299 ppbv

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032466.D

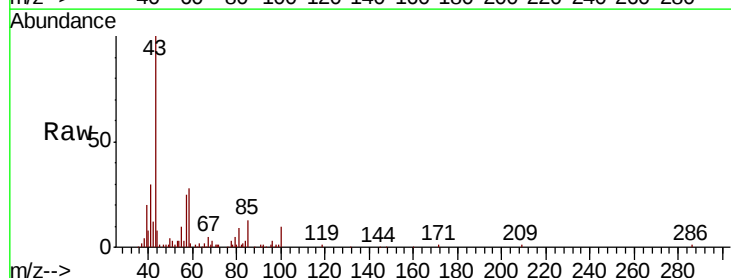
Acq: 5 Sep 2018 20:49

Tgt Ion: 43 Resp: 99247

Ion Ratio Lower Upper

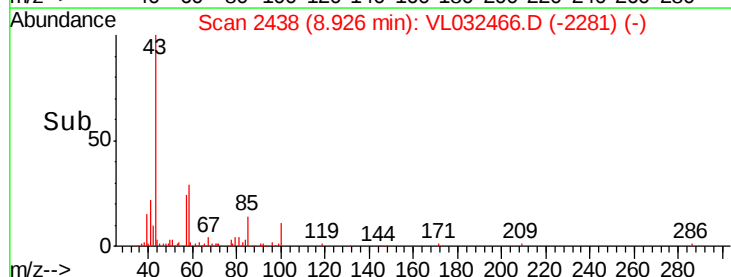
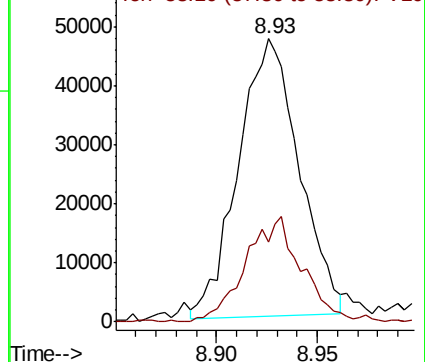
43 100

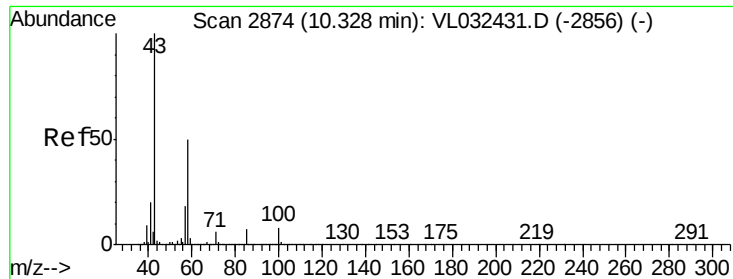
58 34.2 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.506 ppbv

RT: 10.32 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

VP-01

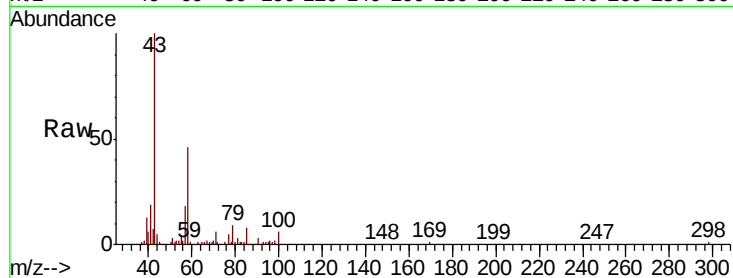
Tgt Ion: 43 Resp: 108214

Ion Ratio Lower Upper

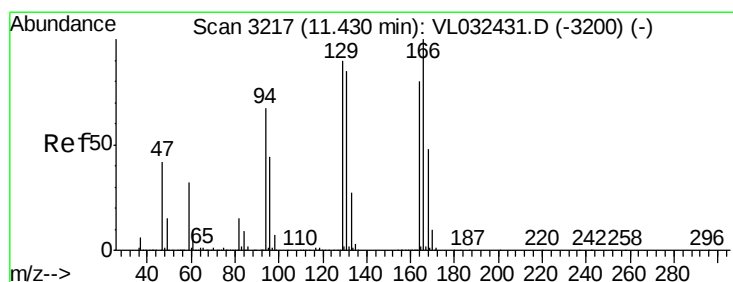
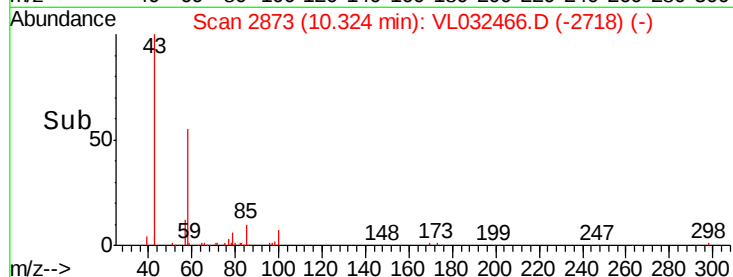
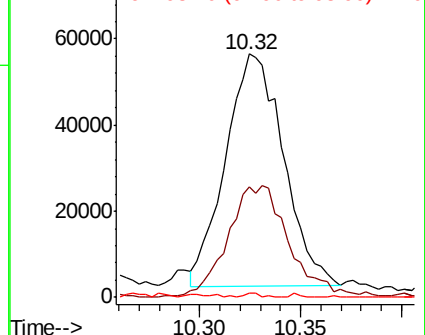
43 100

58 51.8 39.2 58.8

98 0.5 0.4 0.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.215 ppbv

RT: 11.42 min Scan# 3213

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Tgt Ion: 164 Resp: 18791

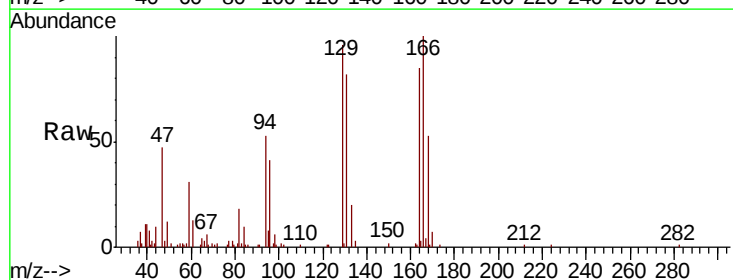
Ion Ratio Lower Upper

164 100

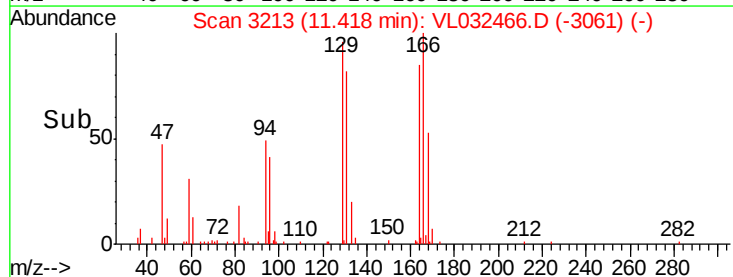
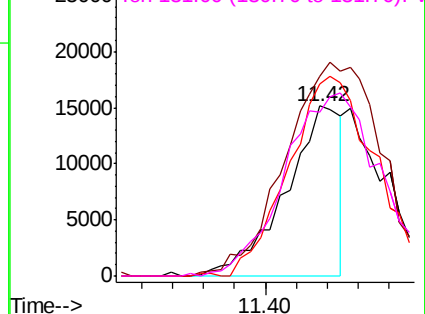
166 117.7 100.6 150.8

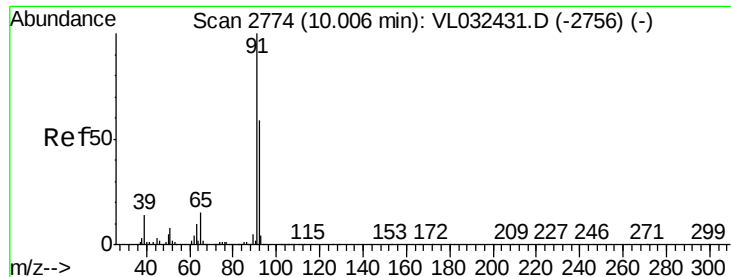
129 112.6 89.9 134.9

131 94.9 85.9 128.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 1.680 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampled :

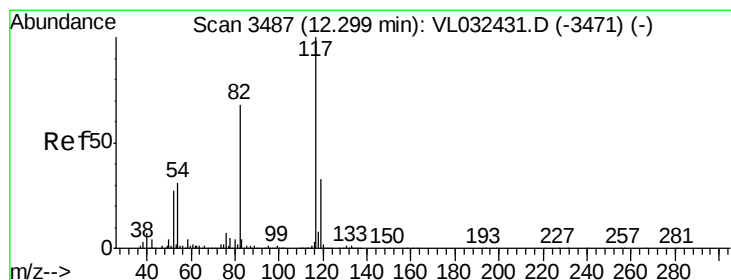
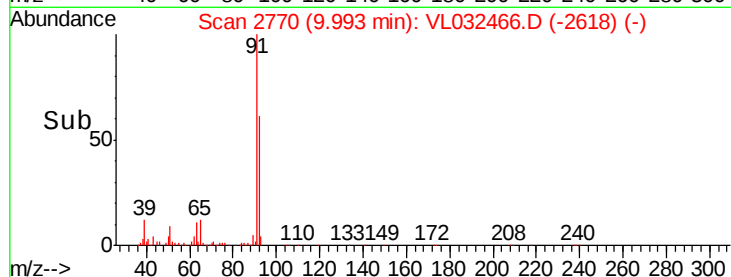
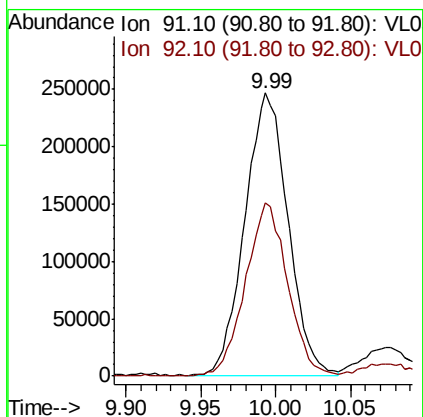
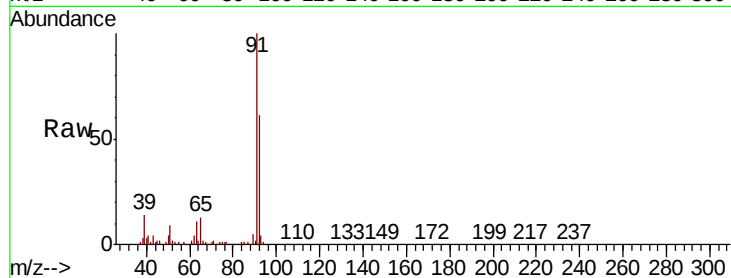
VP-01

Tgt Ion: 91 Resp: 496011

Ion Ratio Lower Upper

91 100

92 59.5 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

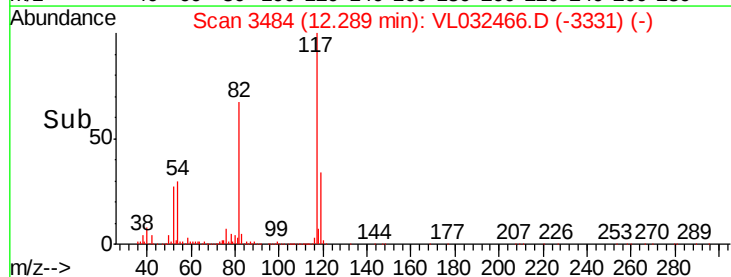
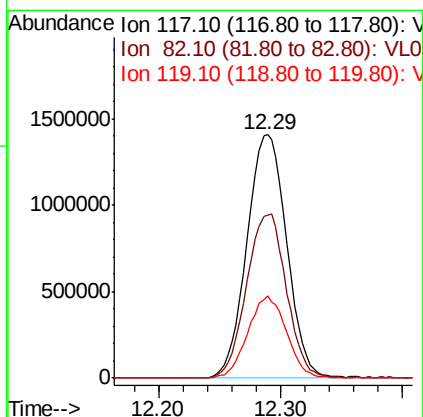
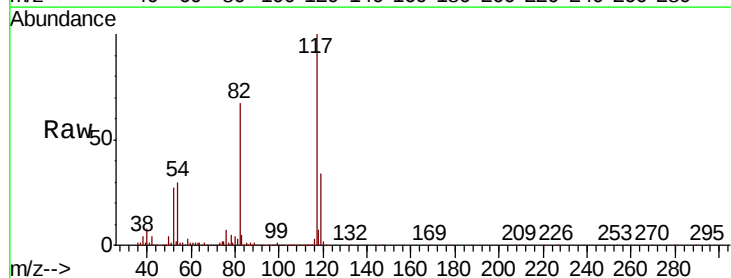
Tgt Ion: 117 Resp: 3172780

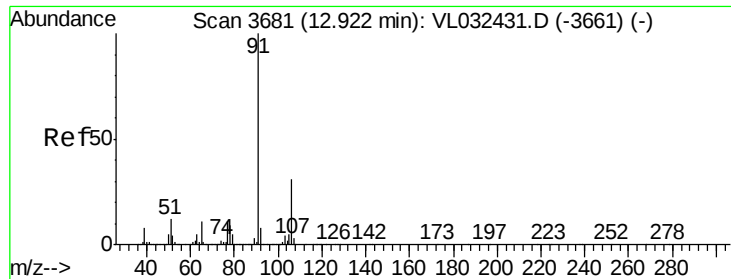
Ion Ratio Lower Upper

117 100

82 67.4 53.0 79.6

119 32.8 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.460 ppbv

RT: 12.91 min Scan# 3677

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

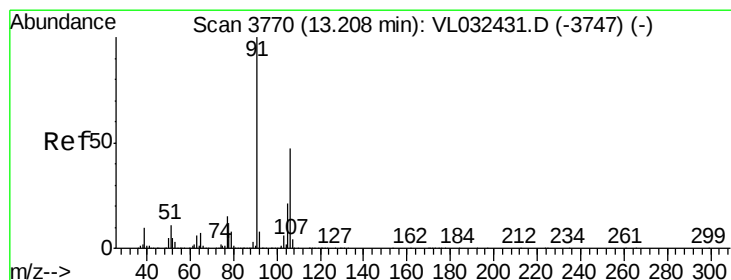
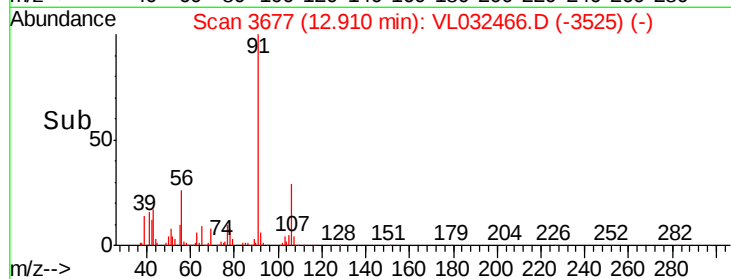
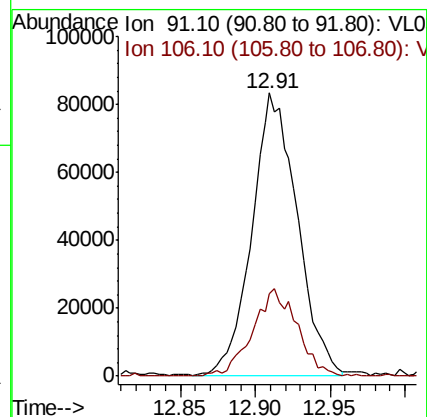
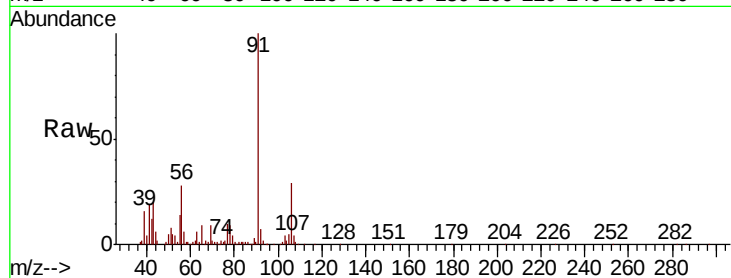
VP-01

Tgt Ion: 91 Resp: 174489

Ion Ratio Lower Upper

91 100

106 29.2 24.8 37.2



#59

m/p-Xylene

Concen: 0.318 ppbv

RT: 13.20 min Scan# 3767

Delta R.T. -0.01 min

Lab File: VL032466.D

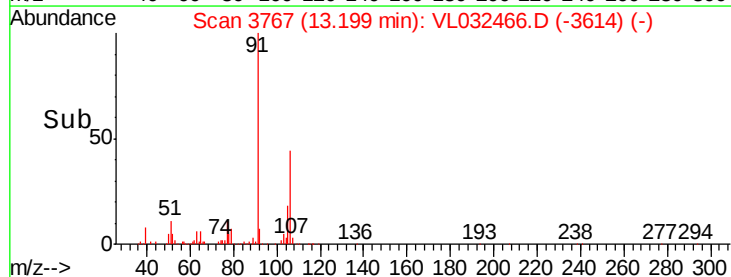
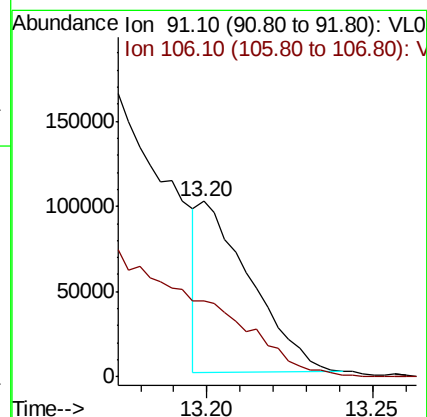
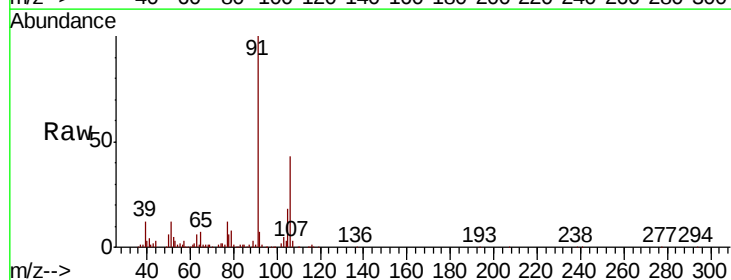
Acq: 5 Sep 2018 20:49

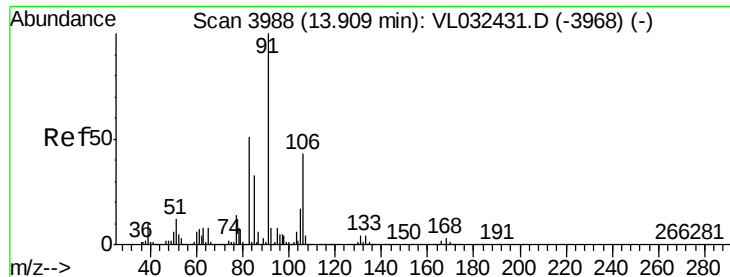
Tgt Ion: 91 Resp: 107736

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#





#60

o-Xylene

Concen: 0.511 ppbv

RT: 13.90 min Scan# 3985

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

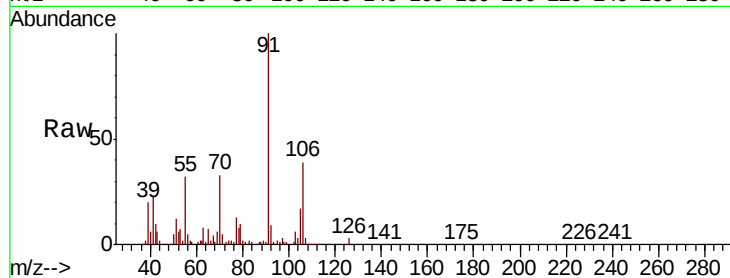
VP-01

Tgt Ion: 91 Resp: 170031

Ion Ratio Lower Upper

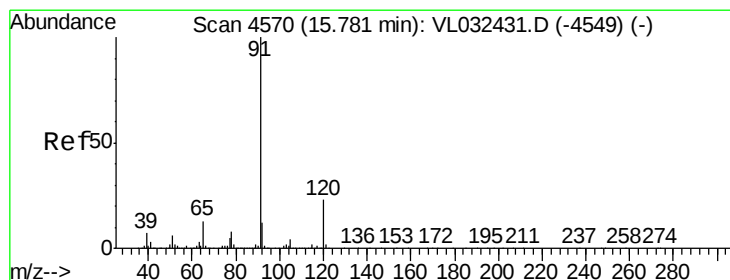
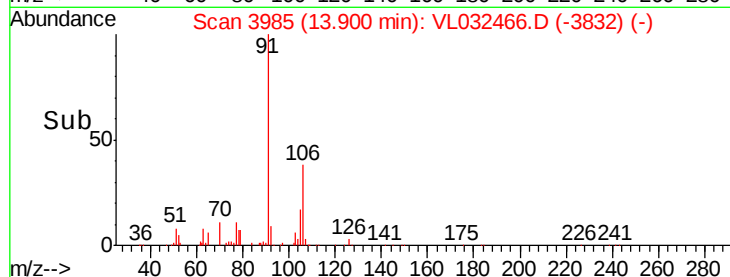
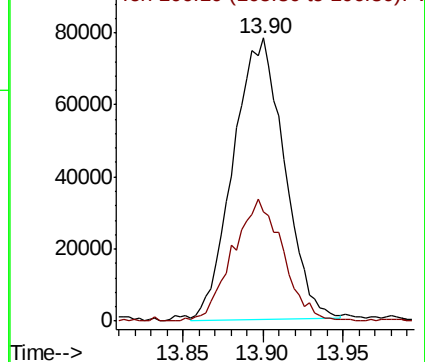
91 100

106 42.9 21.9 65.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#64

n-propylbenzene

Concen: 0.073 ppbv

RT: 15.77 min Scan# 4567

Delta R.T. -0.01 min

Lab File: VL032466.D

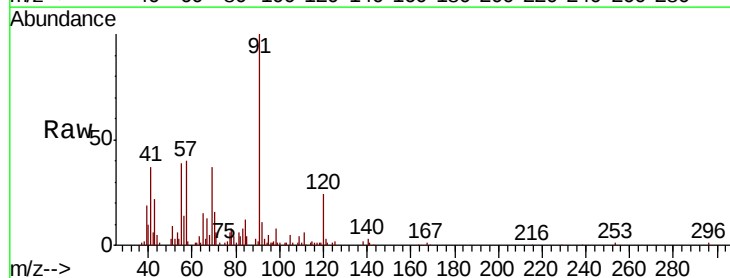
Acq: 5 Sep 2018 20:49

Tgt Ion: 120 Resp: 8915

Ion Ratio Lower Upper

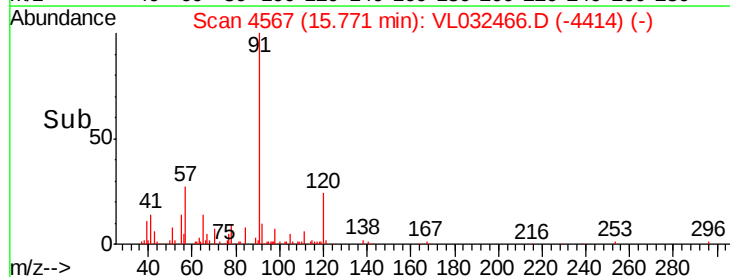
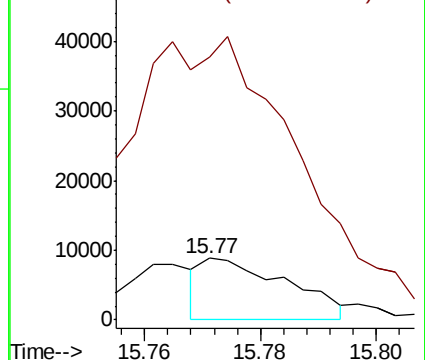
120 100

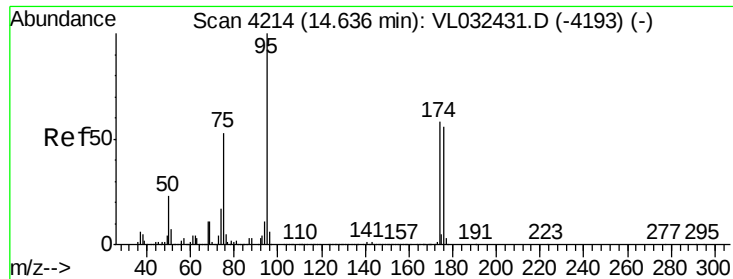
91 1149.7 381.8 572.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

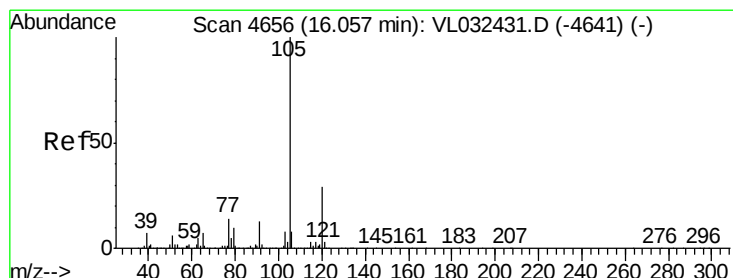
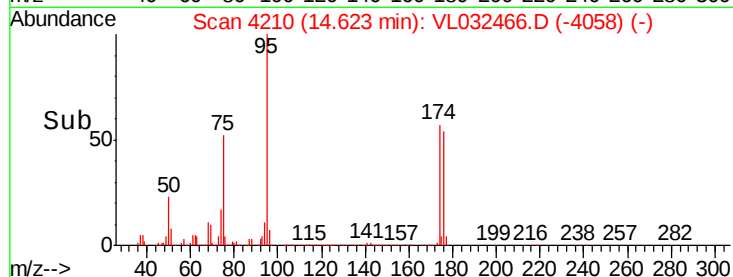
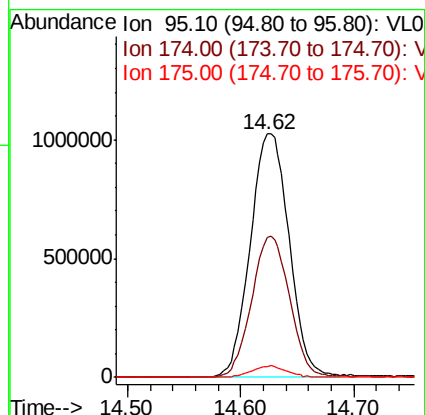
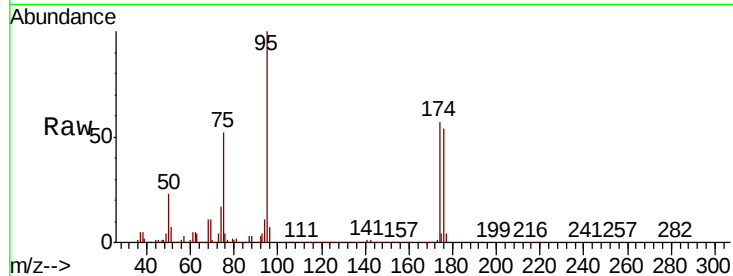




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.376 ppbv
 RT: 14.62 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VL032466.D
 Acq: 5 Sep 2018 20:49

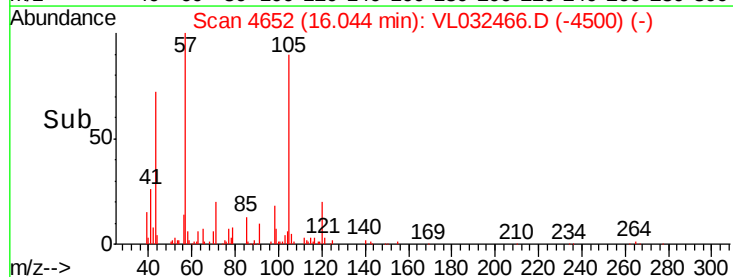
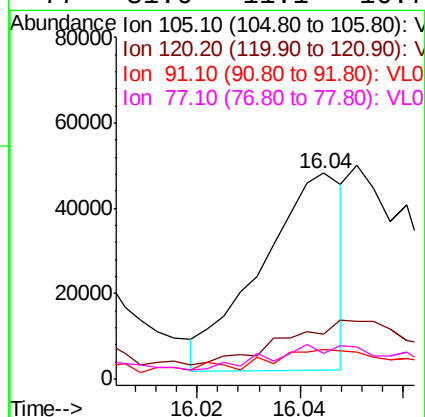
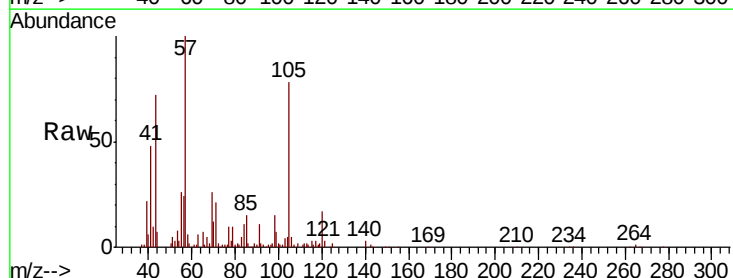
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-01

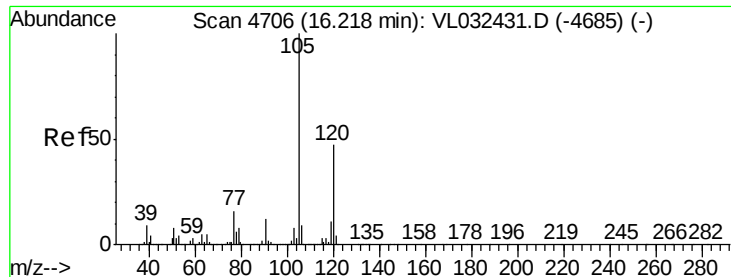
Tgt Ion: 95 Resp: 2444115
 Ion Ratio Lower Upper
 95 100
 174 57.2 46.3 69.5
 175 4.3 3.4 5.0



#72
 4-Ethyltoluene
 Concen: 0.140 ppbv
 RT: 16.04 min Scan# 4652
 Delta R.T. -0.01 min
 Lab File: VL032466.D
 Acq: 5 Sep 2018 20:49

Tgt Ion: 105 Resp: 50743
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.5 35.3#
 91 27.4 10.2 15.2#
 77 31.6 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.081 ppbv

RT: 16.21 min Scan# 4702

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampled :

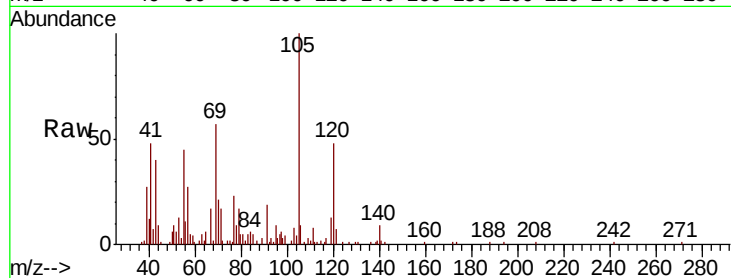
VP-01

Tgt Ion:105 Resp: 29288

Ion Ratio Lower Upper

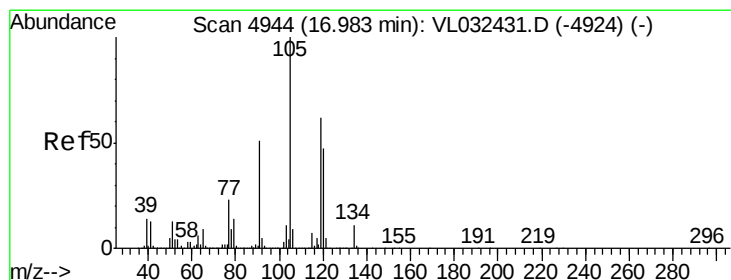
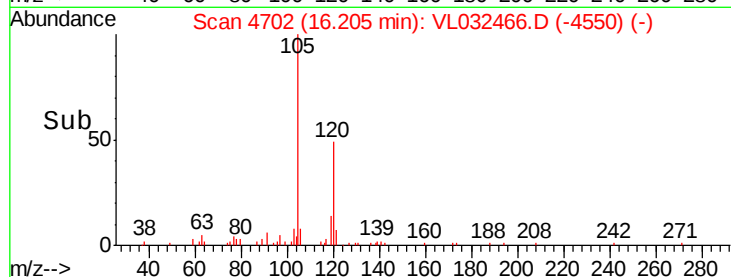
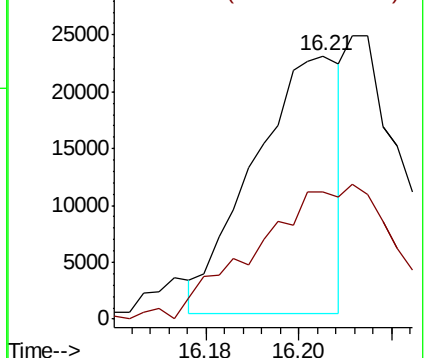
105 100

120 47.7 37.9 56.9



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: 0.311 ppbv

RT: 16.97 min Scan# 4940

Delta R.T. -0.01 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Tgt Ion:105 Resp: 123556

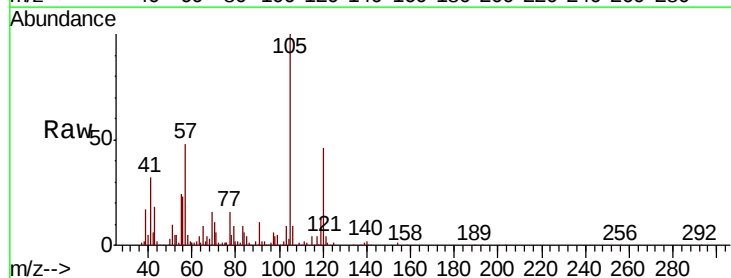
Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8

91 9.8 41.4 62.0#

77 14.0 18.6 28.0#

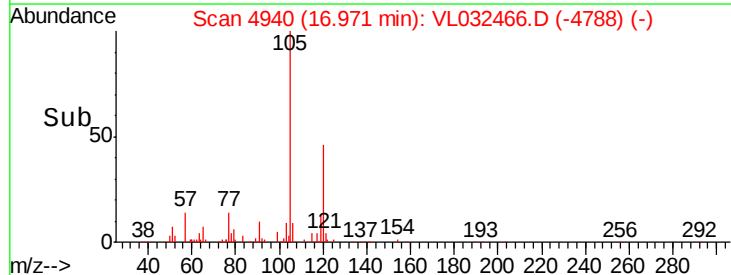
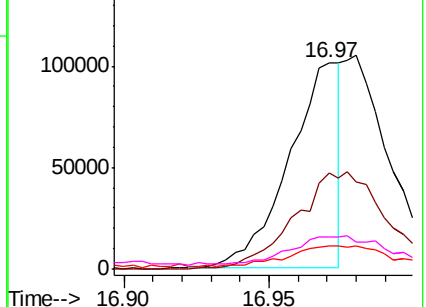


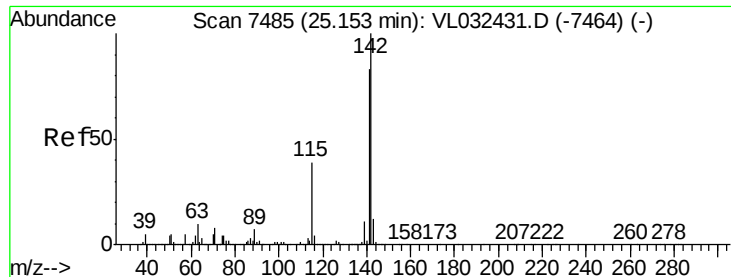
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.071 ppbv

RT: 25.16 min Scan# 7486

Delta R.T. 0.00 min

Lab File: VL032466.D

Acq: 5 Sep 2018 20:49

Instrument :

MSVOA_L

ClientSampleId :

VP-01

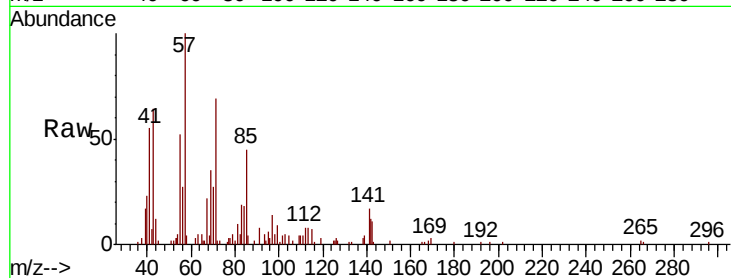
Tgt Ion:142 Resp: 6097

Ion Ratio Lower Upper

142 100

141 118.8 67.0 100.6#

115 55.9 31.3 46.9#



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

