

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032464.D
 Acq On : 5 Sep 2018 19:31
 Operator : SY/AP
 Sample : J4745-01 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-6

Quant Time: Sep 06 05:00:51 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	1648100	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3437162	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3433457	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2668150	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.10	85	13196	0.063 ppbv	98
3) Chlorodifluoromethane	3.04	51	9338	0.063 ppbv #	91
4) Chloromethane	3.20	50	4838	0.054 ppbv	89
9) Propene	3.26	41	490120	8.144 ppbv	94
10) Heptane	8.29	43	450857	2.088 ppbv	96
11) Trichlorofluoromethane	4.04	101	20209	0.106 ppbv	97
13) Ethanol	3.68	45	529724	28.239 ppbv	96
15) Acetone	3.93	43	1230892	8.294 ppbv #	47
16) 1,3-Butadiene	3.37	39	283480	4.059 ppbv #	17
17) tert-Butyl alcohol	4.39	59	612749	26.828 ppbv #	100
19) Isopropyl Alcohol	4.06	45	54880	0.564 ppbv #	1
20) Methylene Chloride	4.45	84	43792	0.774 ppbv #	92
21) Allyl Chloride	4.47	41	22548	0.229 ppbv #	1
23) Vinyl Acetate	5.18	43	181092	0.736 ppbv #	1
25) Ethyl Acetate	5.82	43	525501	1.499 ppbv #	78
26) Hexane	5.82	57	733475	4.674 ppbv #	45
27) Carbon Disulfide	4.66	76	39035	0.269 ppbv #	82
30) Cyclohexane	7.30	84	13070	0.114 ppbv #	1
34) 2-Butanone	5.37	43	972683	4.260 ppbv	100
36) Benzene	7.05	78	291983	0.998 ppbv #	93
39) 1,2-Dichloropropane	7.34	63	922288	7.370 ppbv #	25
41) Tetrahydrofuran	6.20	42	67165	0.540 ppbv #	91
44) 2,2,4-Trimethylpentane	8.04	57	197442	0.349 ppbv #	60
50) 4-Methyl-2-Pentanone	8.92	43	382875	1.113 ppbv	98
51) 2-Hexanone	10.32	43	658400	2.972 ppbv #	94
52) Tetrachloroethene	11.42	164	25983	0.286 ppbv	93
53) Toluene	10.00	91	710196	2.323 ppbv	100
58) Ethyl Benzene	12.92	91	198086	0.482 ppbv	99
59) m/p-Xylene	13.18	91	422286	1.153 ppbv	99
60) o-Xylene	13.90	91	166637	0.463 ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.99	83	130207	0.405 ppbv #	25
64) n-propylbenzene	15.78	120	9676	0.073 ppbv #	1
65) tert-Butylbenzene	16.98	119	38059	0.087 ppbv #	61
69) p-Isopropyltoluene	17.87	119	139783	0.275 ppbv #	91
71) 2-Chlorotoluene	15.78	91	100092	0.259 ppbv	91
72) 4-Ethyltoluene	16.06	105	60438	0.154 ppbv #	44
73) 1,3,5-Trimethylbenzene	16.21	105	106245	0.270 ppbv	87
74) 1,2,4-Trimethylbenzene	16.98	105	151391	0.352 ppbv #	71
80) Naphthalene,2-methyl-	25.16	142	6236	0.067 ppbv #	79

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QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration

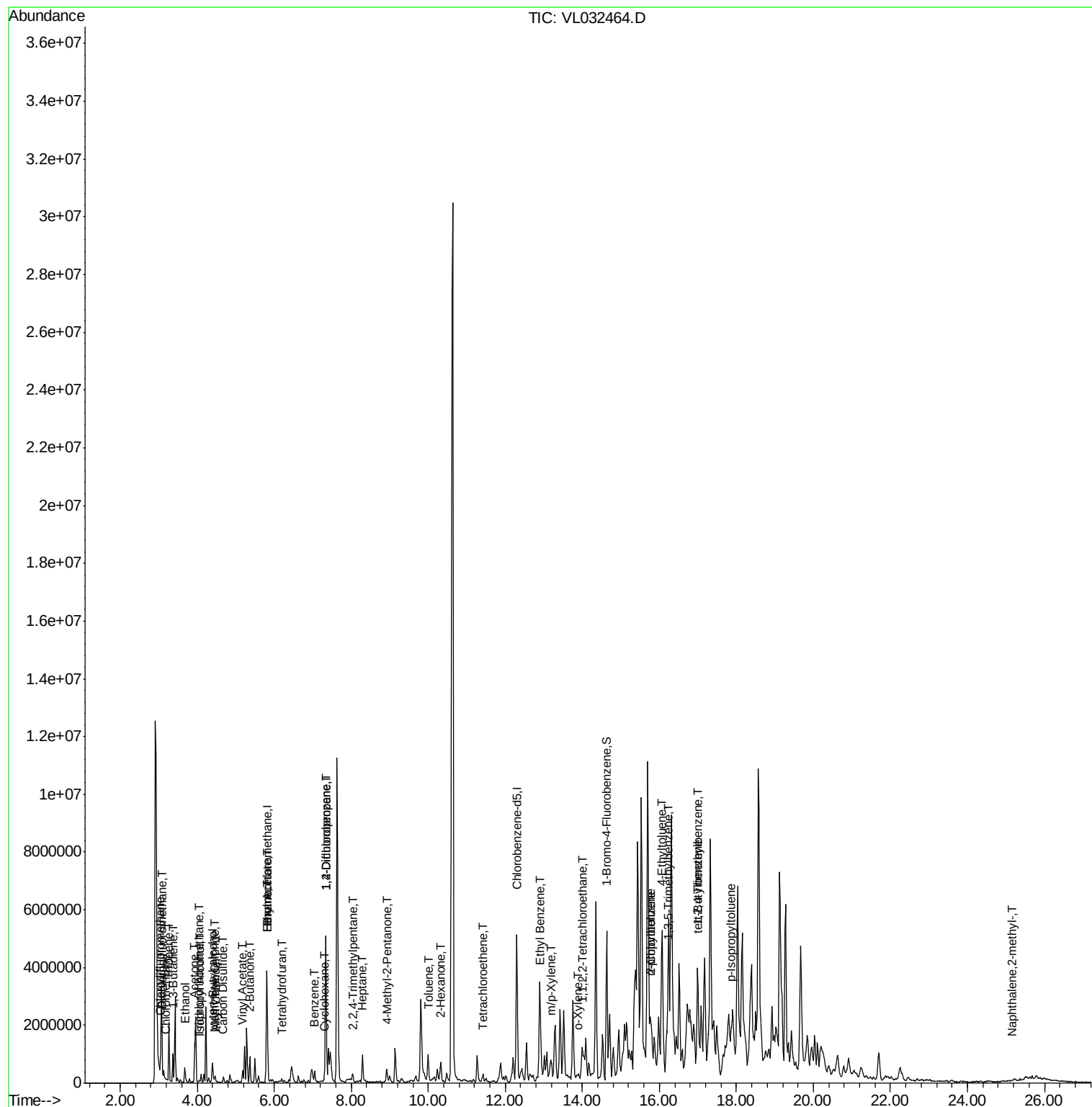
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

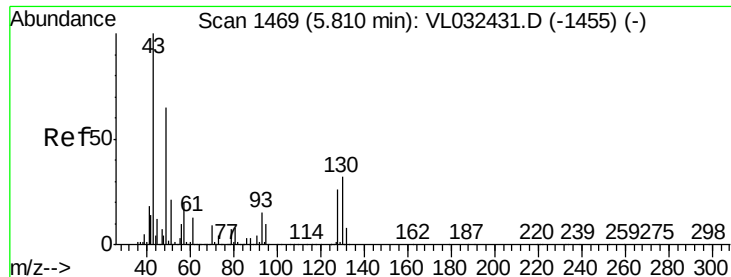
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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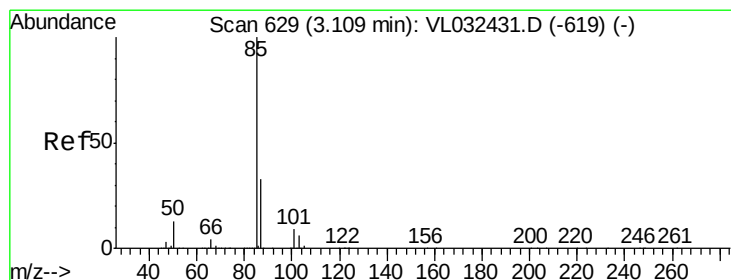
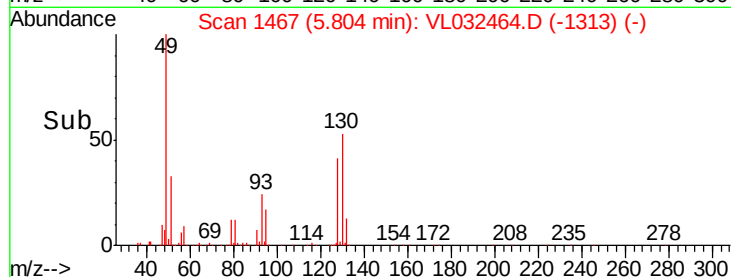
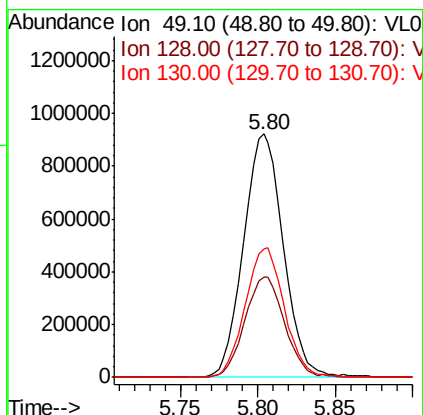
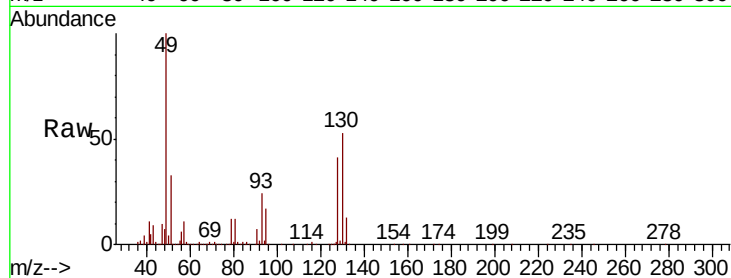




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.80 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

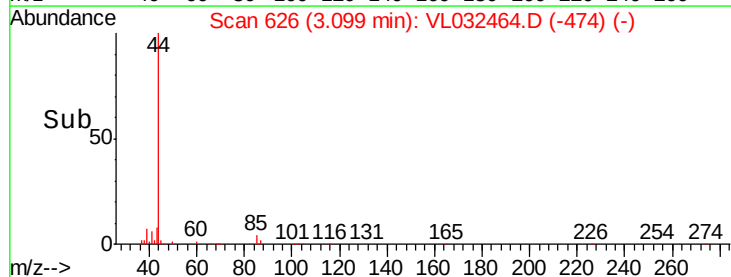
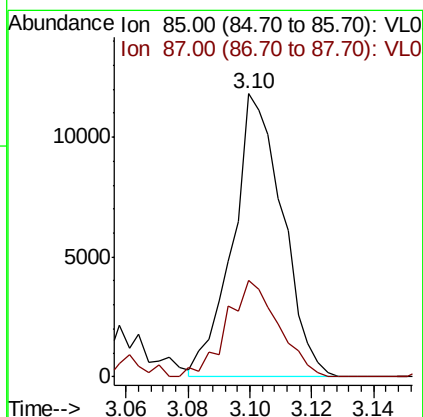
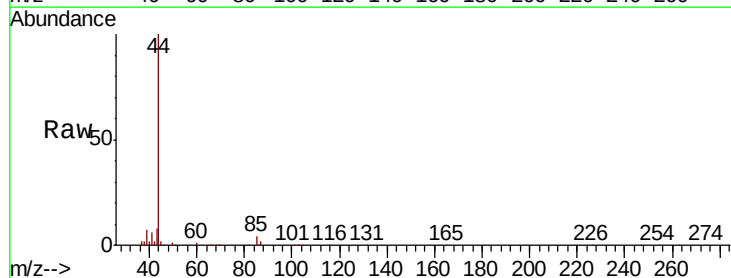
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-6

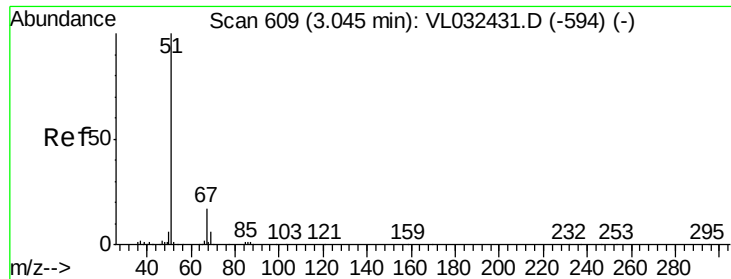
Tgt Ion: 49 Resp: 1648100
 Ion Ratio Lower Upper
 49 100
 128 41.6 20.7 62.1
 130 52.8 26.6 79.7



#2
 Dichlorodifluoromethane
 Concen: 0.063 ppbv
 RT: 3.10 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Tgt Ion: 85 Resp: 13196
 Ion Ratio Lower Upper
 85 100
 87 34.1 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.063 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.01 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

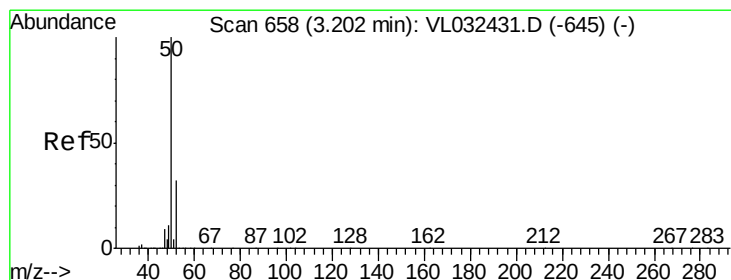
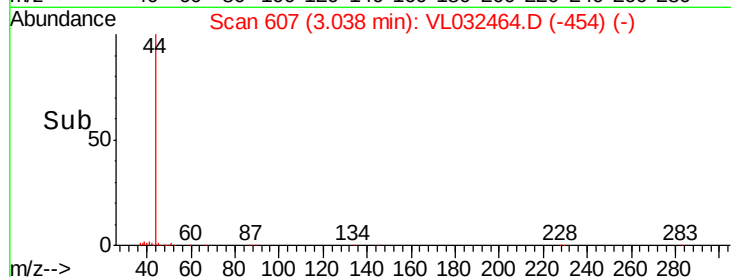
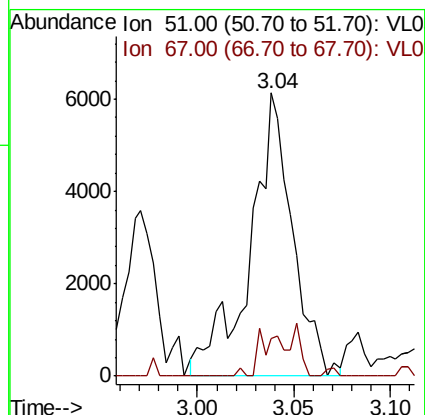
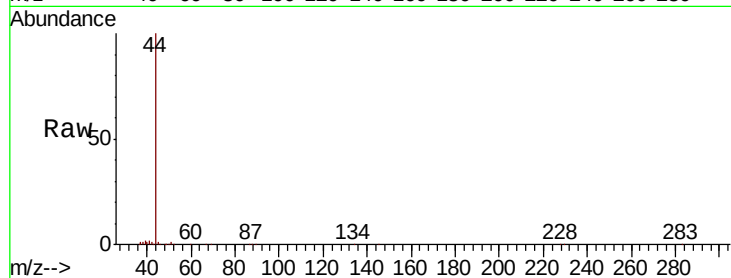
VP-6

Tgt Ion: 51 Resp: 9338

Ion Ratio Lower Upper

51 100

67 13.2 13.8 20.8#



#4

Chloromethane

Concen: 0.054 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032464.D

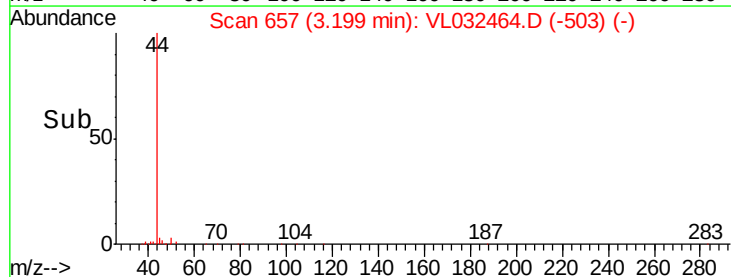
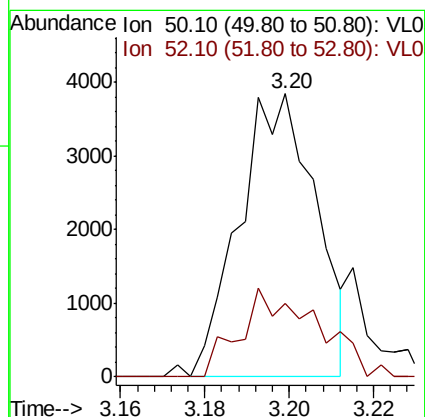
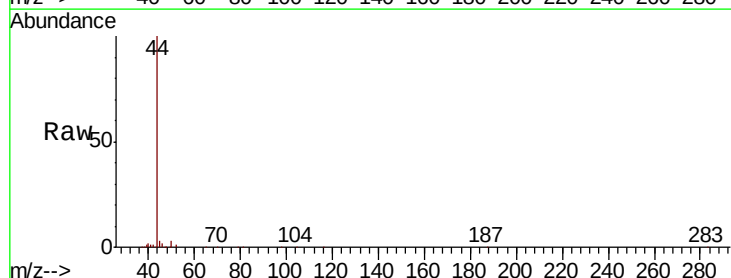
Acq: 5 Sep 2018 19:31

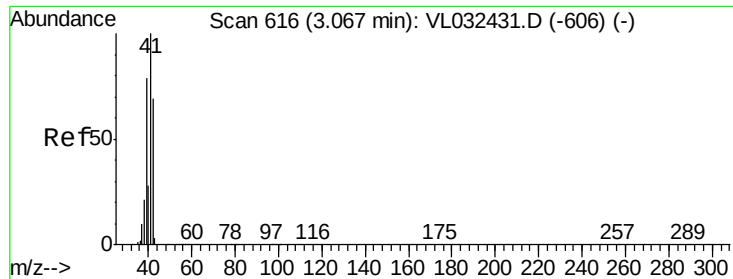
Tgt Ion: 50 Resp: 4838

Ion Ratio Lower Upper

50 100

52 26.0 25.6 38.4





#9

Propene

Concen: 8.144 ppbv

RT: 3.26 min Scan# 677

Delta R.T. 0.20 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

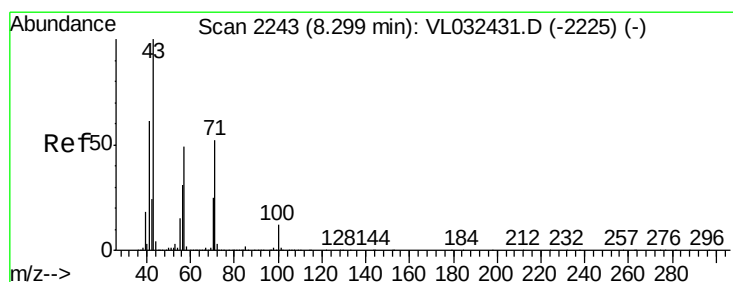
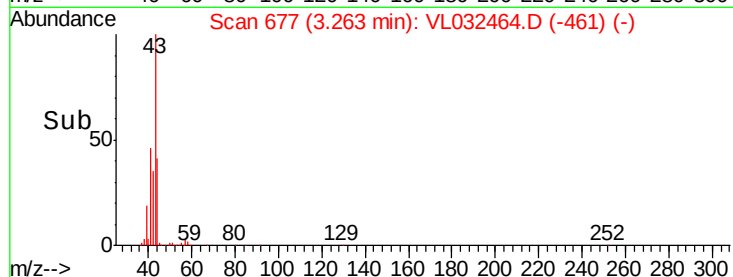
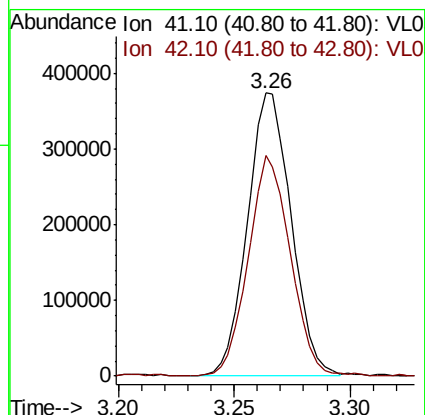
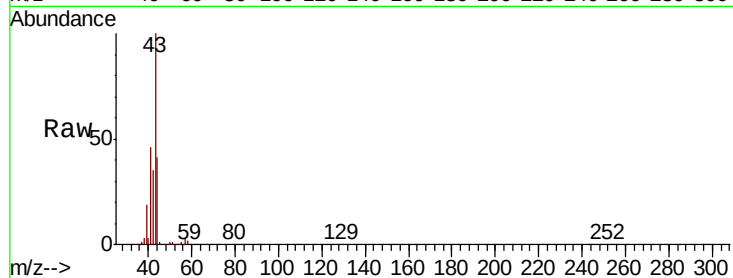
VP-6

Tgt Ion: 41 Resp: 490120

Ion Ratio Lower Upper

41 100

42 75.6 56.6 84.8



#10

Heptane

Concen: 2.088 ppbv

RT: 8.29 min Scan# 2241

Delta R.T. -0.01 min

Lab File: VL032464.D

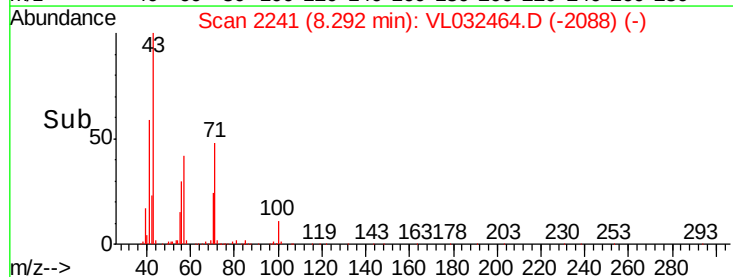
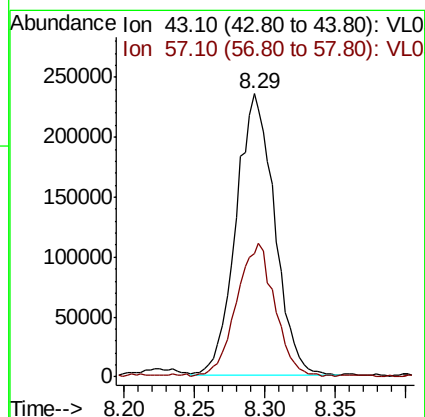
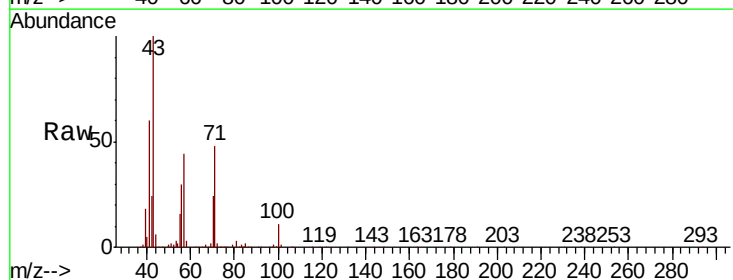
Acq: 5 Sep 2018 19:31

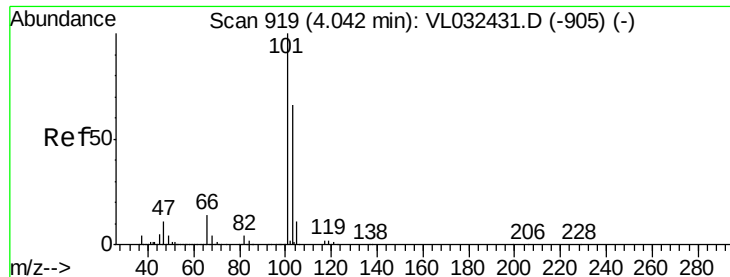
Tgt Ion: 43 Resp: 450857

Ion Ratio Lower Upper

43 100

57 46.5 39.6 59.4





#11

Trichlorofluoromethane

Concen: 0.106 ppbv

RT: 4.04 min Scan# 918

Delta R.T. -0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

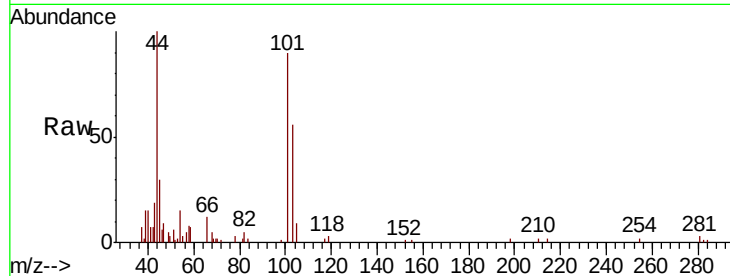
VP-6

Tgt Ion: 101 Resp: 20209

Ion Ratio Lower Upper

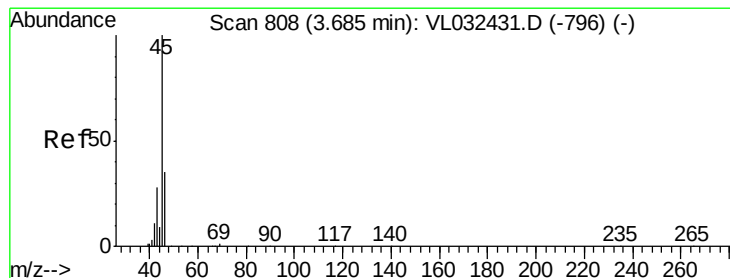
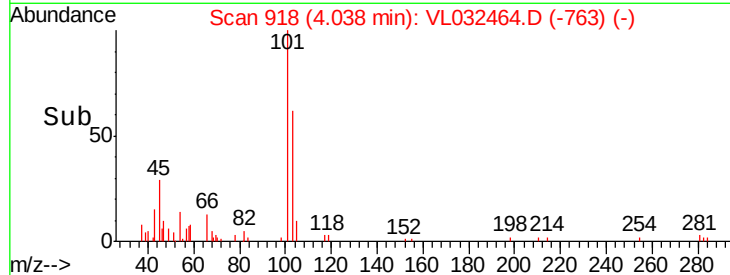
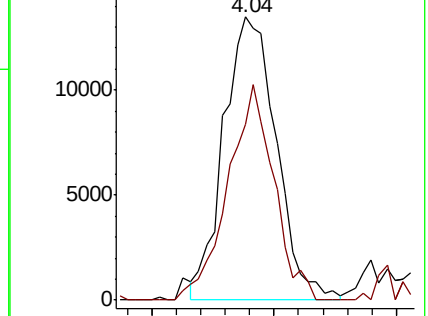
101 100

103 63.3 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 28.239 ppbv

RT: 3.68 min Scan# 807

Delta R.T. -0.00 min

Lab File: VL032464.D

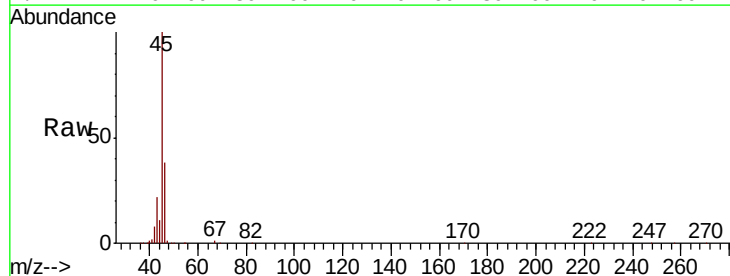
Acq: 5 Sep 2018 19:31

Tgt Ion: 45 Resp: 529724

Ion Ratio Lower Upper

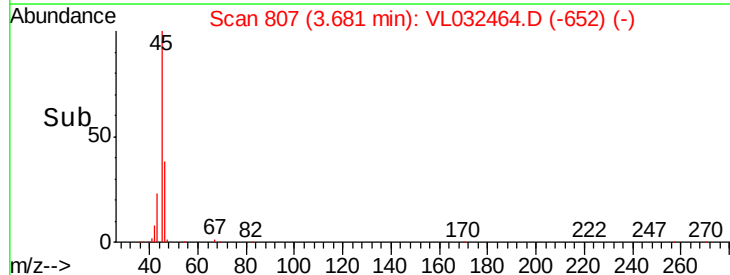
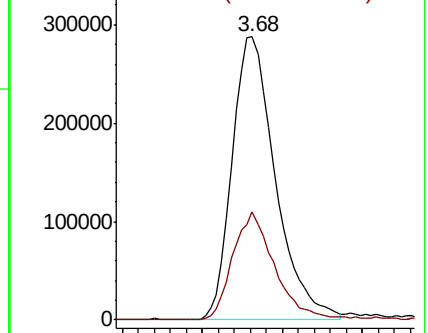
45 100

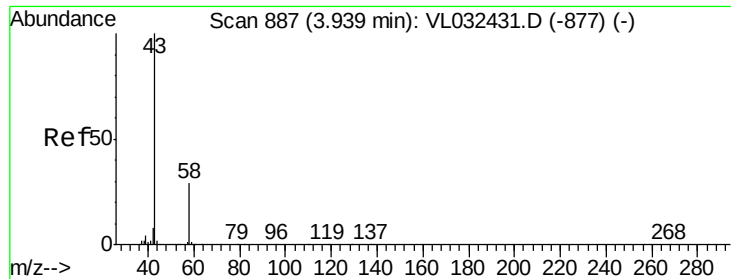
46 38.1 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 8.294 ppbv

RT: 3.93 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleID :

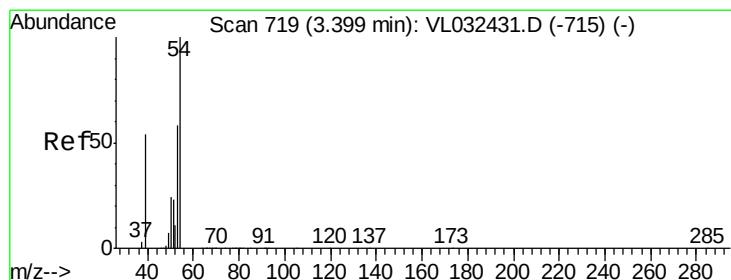
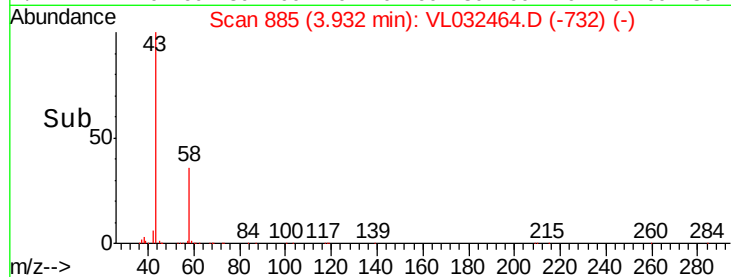
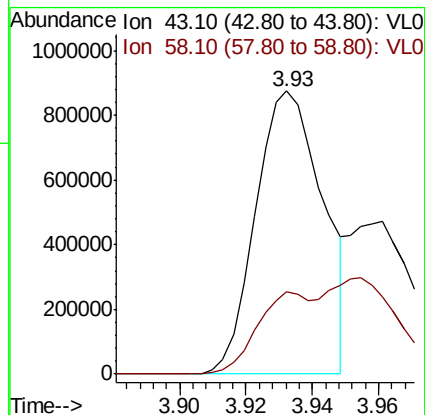
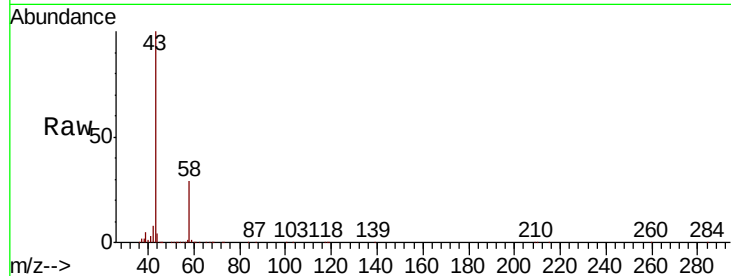
VP-6

Tgt Ion: 43 Resp: 1230892

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



#16

1,3-Butadiene

Concen: 4.059 ppbv

RT: 3.37 min Scan# 710

Delta R.T. -0.03 min

Lab File: VL032464.D

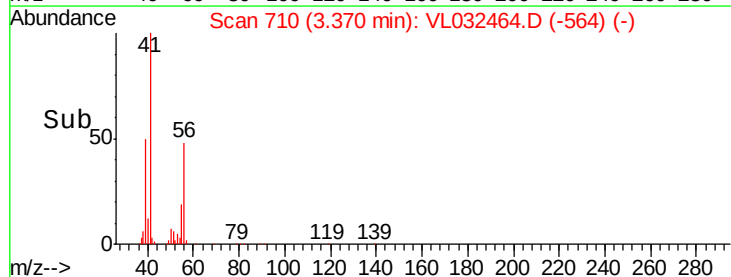
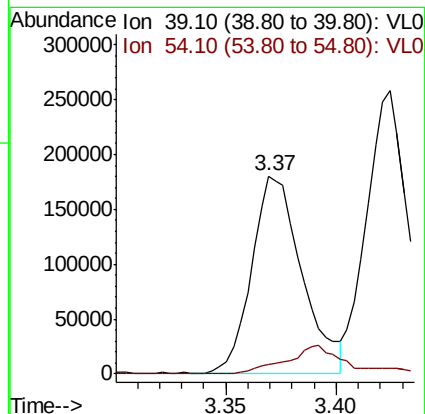
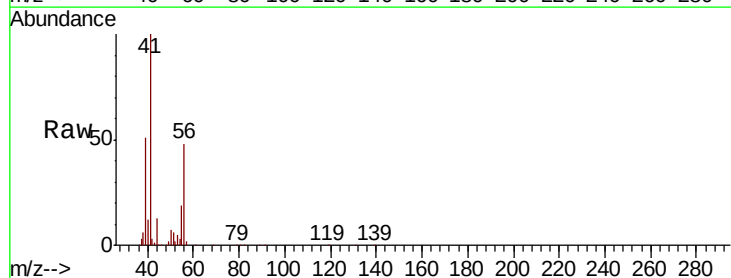
Acq: 5 Sep 2018 19:31

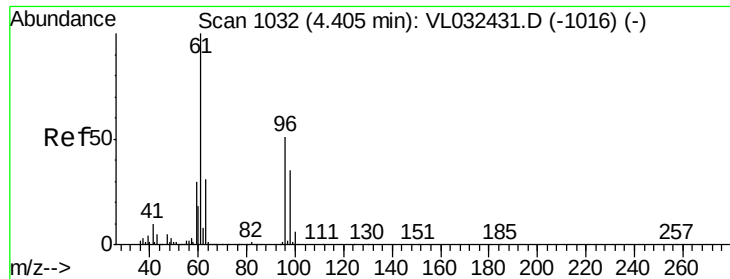
Tgt Ion: 39 Resp: 283480

Ion Ratio Lower Upper

39 100

54 17.3 80.8 121.2#

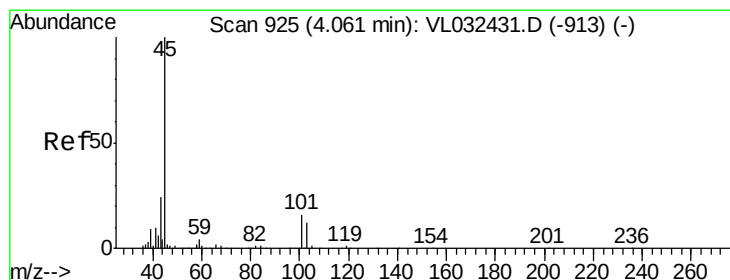
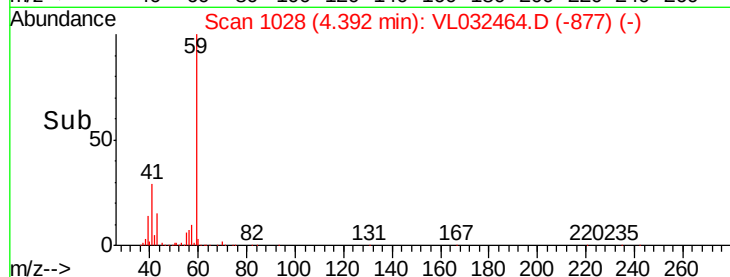
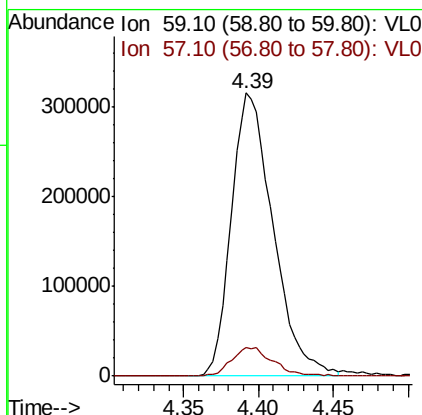
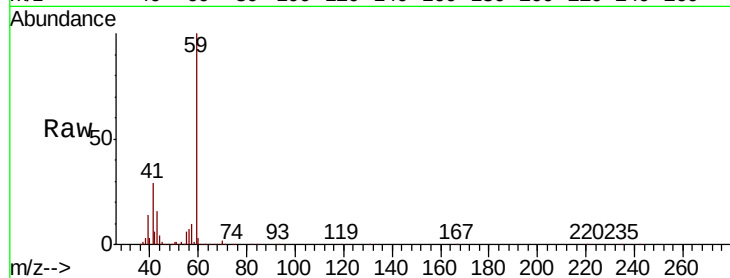




#17
 tert-Butyl alcohol
 Concen: 26.828 ppbv
 RT: 4.39 min Scan# 1028
 Delta R.T. -0.01 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

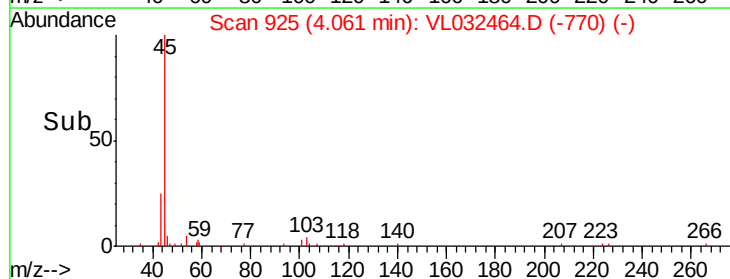
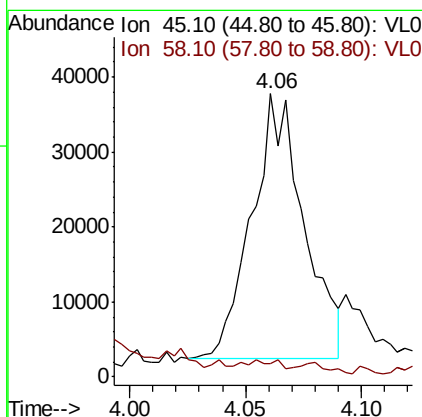
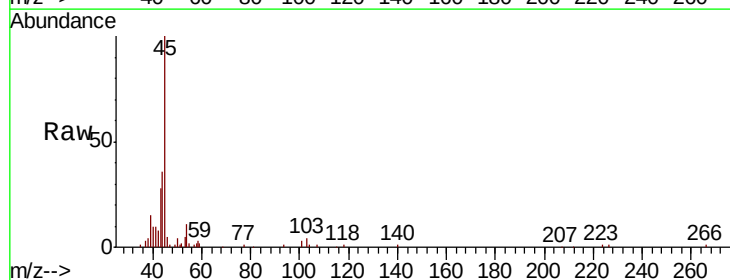
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-6

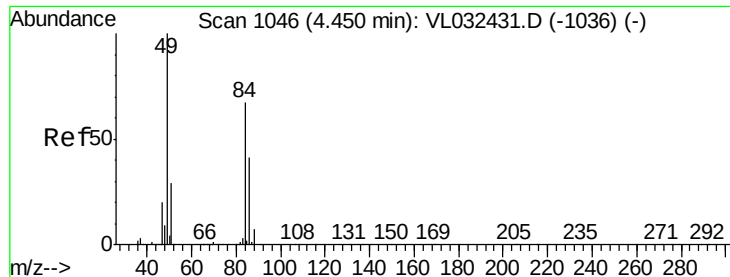
Tgt Ion: 59 Resp: 612749
 Ion Ratio Lower Upper
 59 100
 57 10.2 0.0 0.0#



#19
 Isopropyl Alcohol
 Concen: 0.564 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Tgt Ion: 45 Resp: 54880
 Ion Ratio Lower Upper
 45 100
 58 1375.1 2.0 3.0#

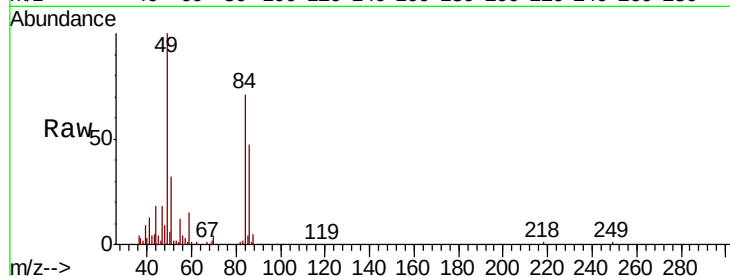




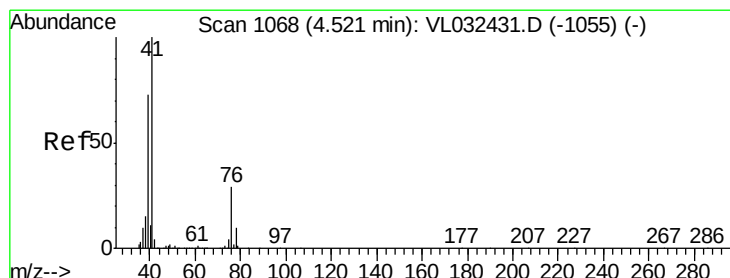
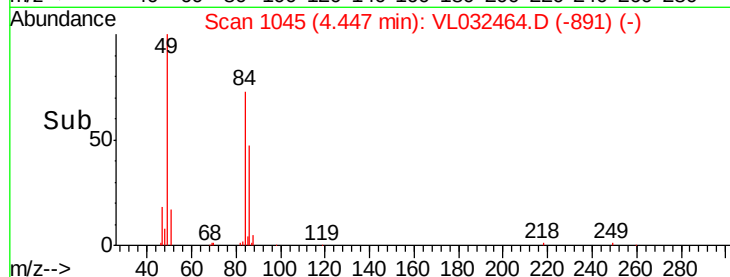
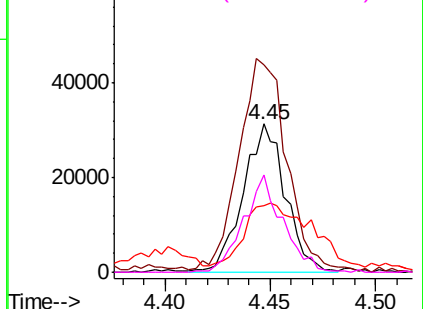
#20
Methylene Chloride
Concen: 0.774 ppbv
RT: 4.45 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Instrument :
MSVOA_L
ClientSampleId :
VP-6

Tgt Ion: 84 Resp: 43792
Ion Ratio Lower Upper
84 100
49 138.9 119.1 178.7
51 34.0 35.2 52.8#
86 65.6 49.4 74.2

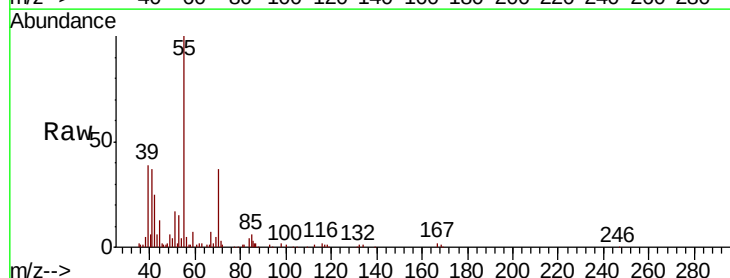


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

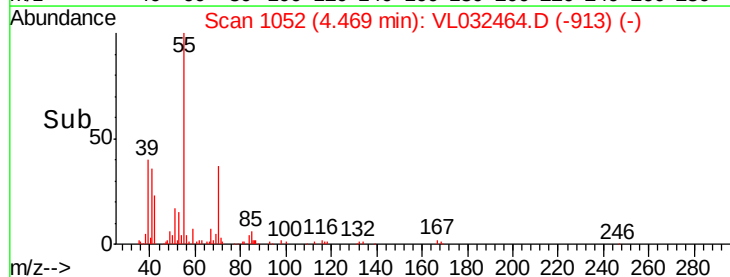
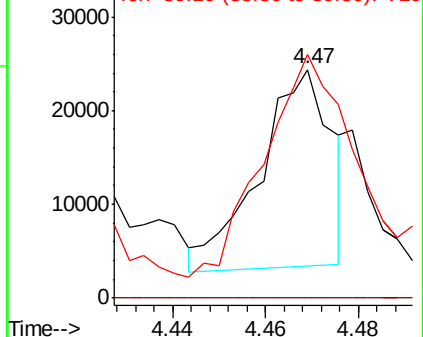


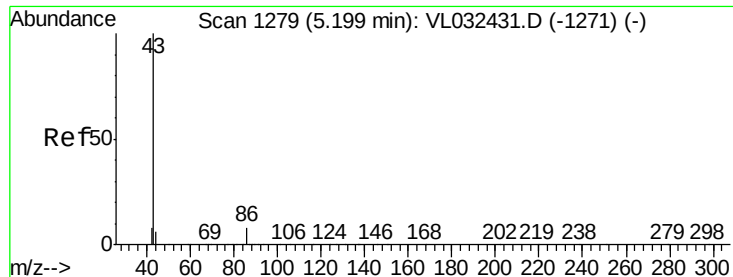
#21
Allyl Chloride
Concen: 0.229 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.05 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Tgt Ion: 41 Resp: 22548
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 229.0 57.7 86.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.736 ppbv

RT: 5.18 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

VP-6

Tgt Ion: 43 Resp: 181092

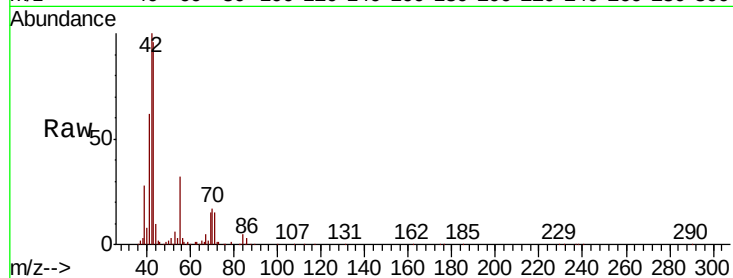
Ion Ratio Lower Upper

43 100

86 3.0 5.9 8.9#

42 103.1 6.9 10.3#

44 1.4 4.6 7.0#

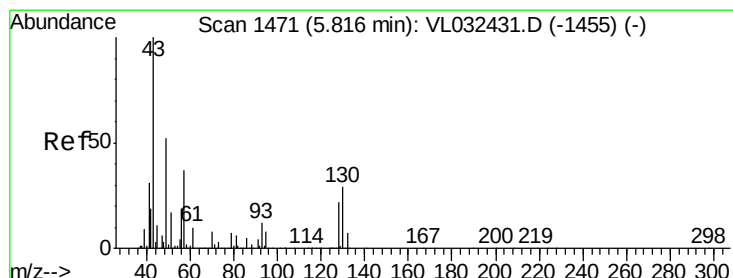
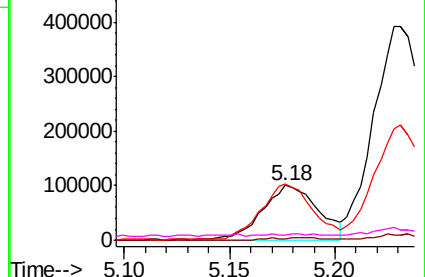
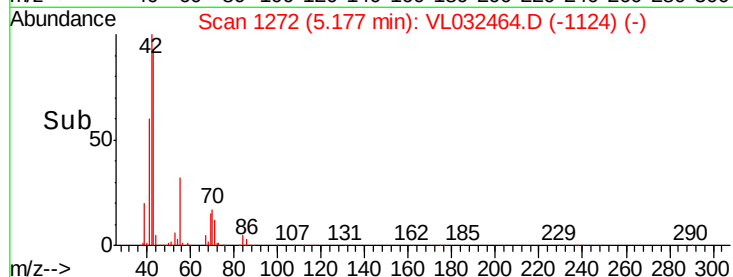


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 1.499 ppbv

RT: 5.82 min Scan# 1473

Delta R.T. 0.01 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Tgt Ion: 43 Resp: 525501

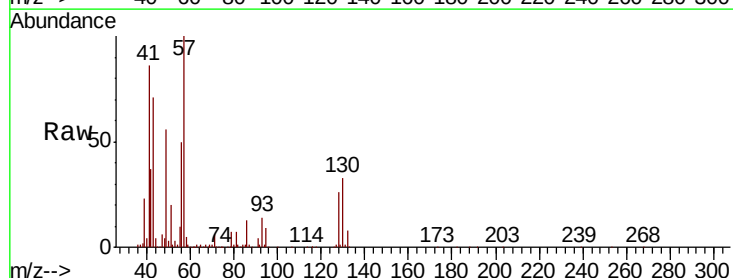
Ion Ratio Lower Upper

43 100

45 1.2 8.0 12.0#

61 0.4 7.6 11.4#

70 1.7 5.8 8.8#

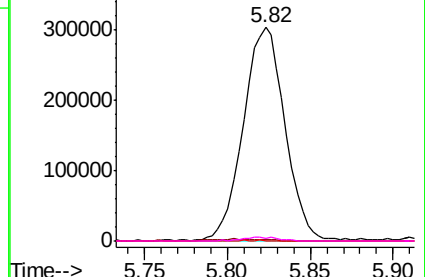
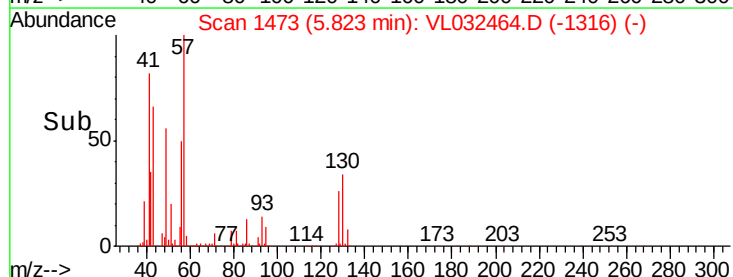


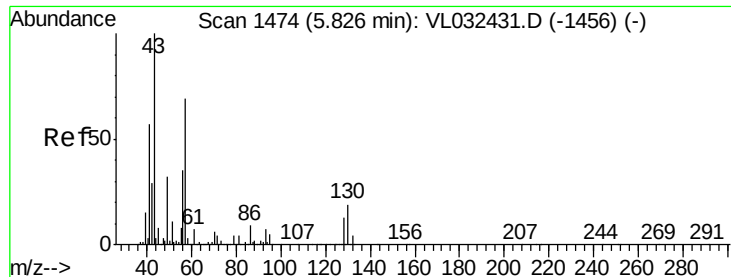
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.674 ppbv

RT: 5.82 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

VP-6

Tgt Ion: 57 Resp: 733475

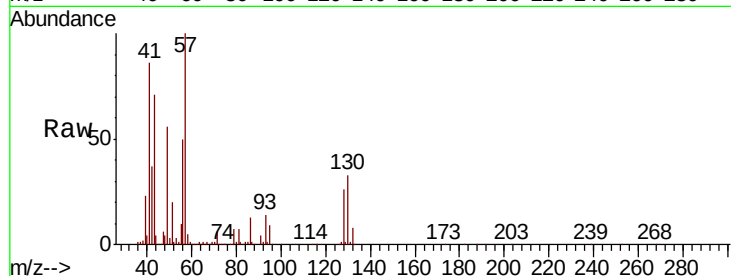
Ion Ratio Lower Upper

57 100

41 87.8 69.0 103.4

43 72.6 172.1 258.1#

56 53.7 42.2 63.2

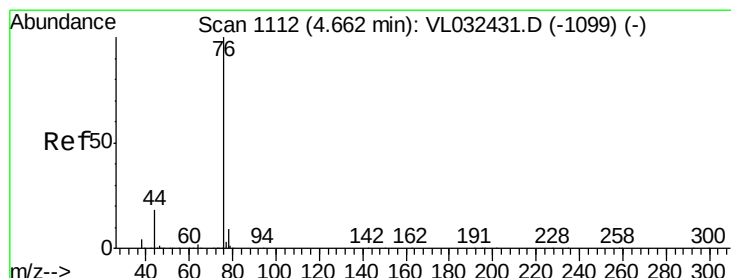
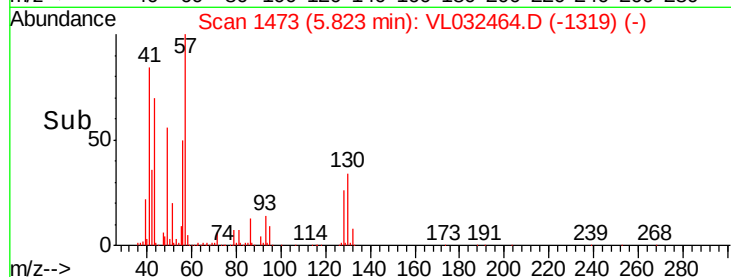
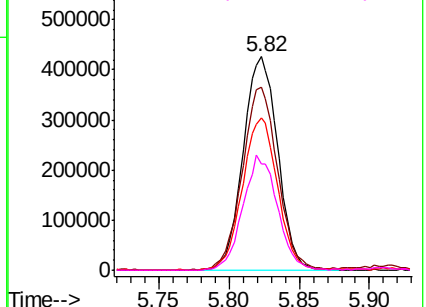


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#27

Carbon Disulfide

Concen: 0.269 ppbv

RT: 4.66 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

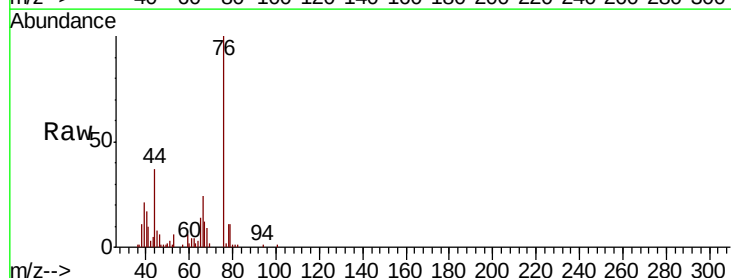
Tgt Ion: 76 Resp: 39035

Ion Ratio Lower Upper

76 100

44 27.2 14.0 21.0#

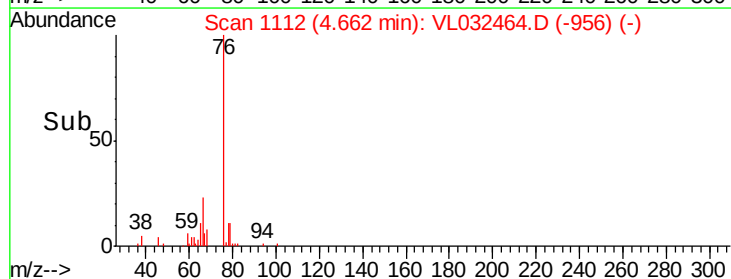
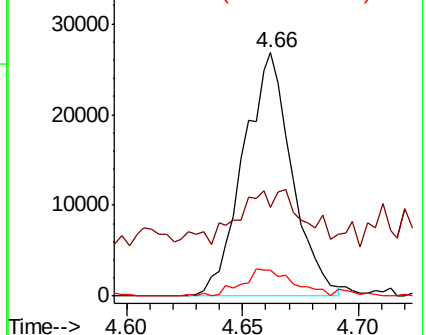
78 12.9 7.5 11.3#

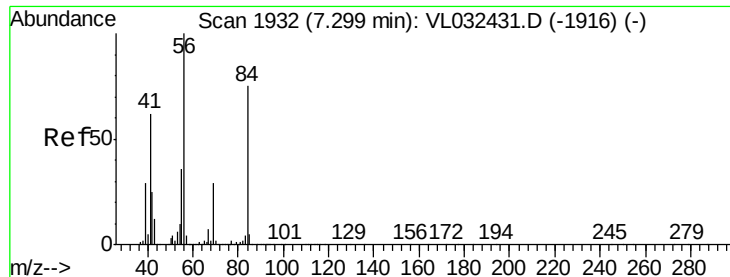


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

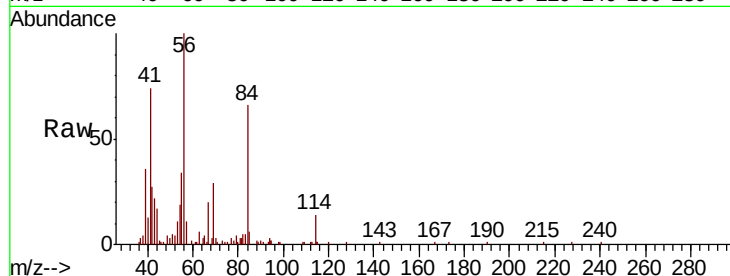




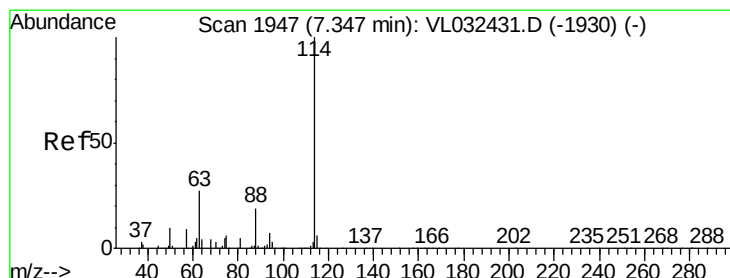
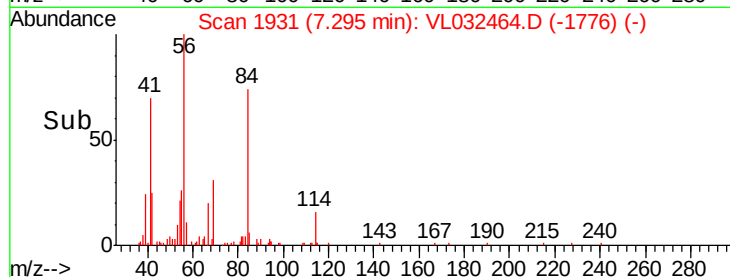
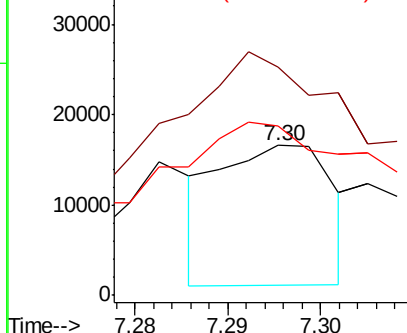
#30
Cyclohexane
Concen: 0.114 ppbv
RT: 7.30 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Instrument :
MSVOA_L
ClientSampleId :
VP-6

Tgt Ion: 84 Resp: 13070
Ion Ratio Lower Upper
84 100
56 354.5 113.5 170.3#
41 0.0 68.1 102.1#

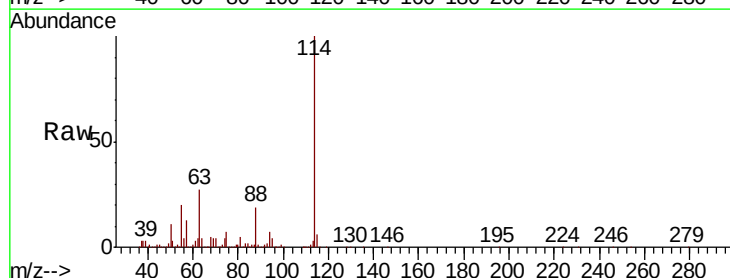


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

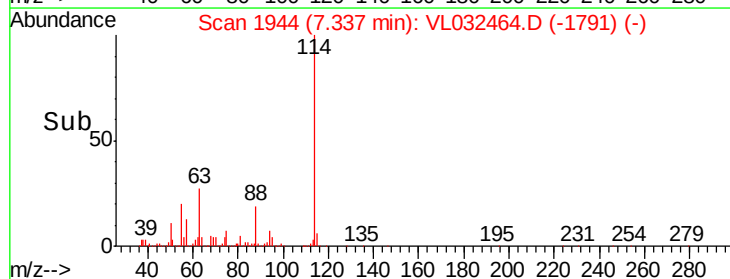
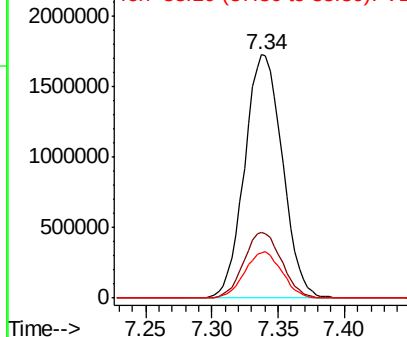


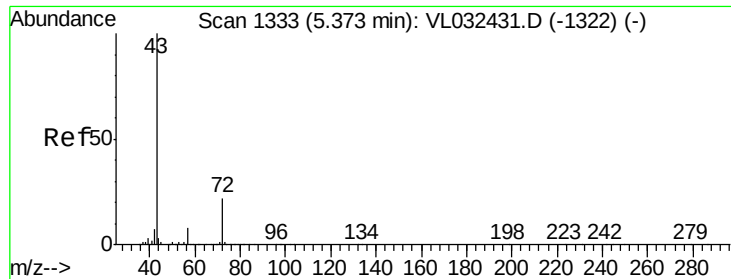
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1944
Delta R.T. -0.01 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Tgt Ion: 114 Resp: 3437162
Ion Ratio Lower Upper
114 100
63 27.0 22.2 33.4
88 18.9 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

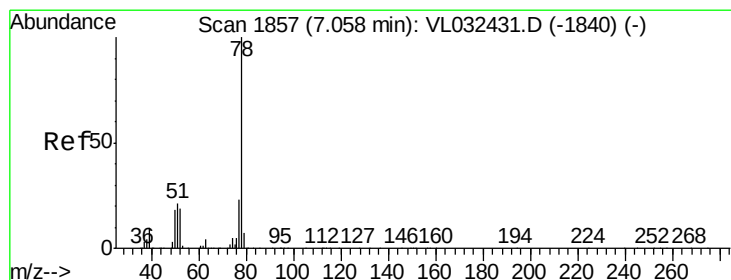
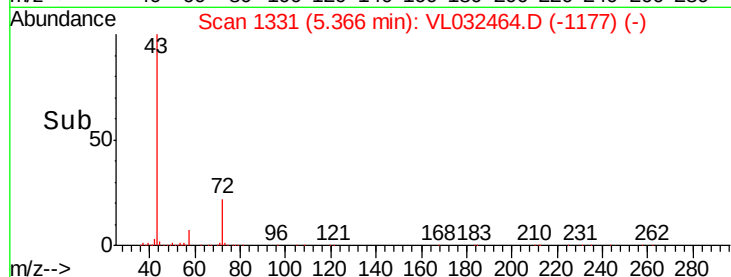
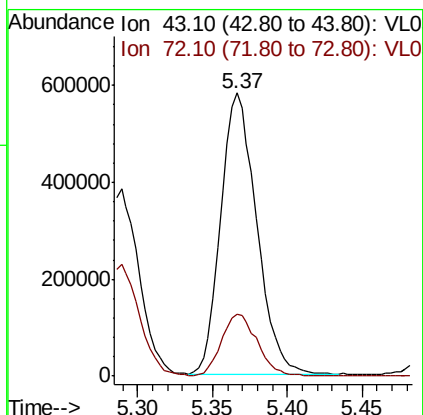
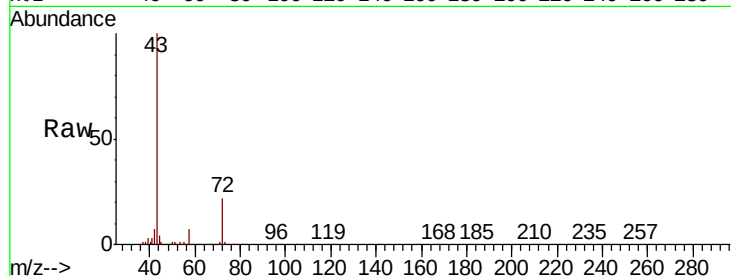




#34
2-Butanone
Concen: 4.260 ppbv
RT: 5.37 min Scan# 1331
Delta R.T. -0.01 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

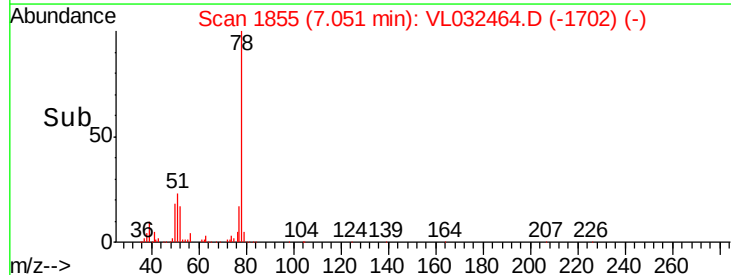
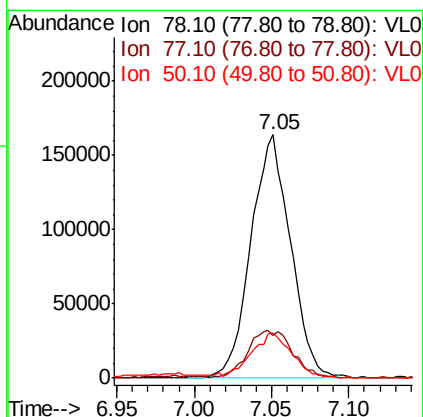
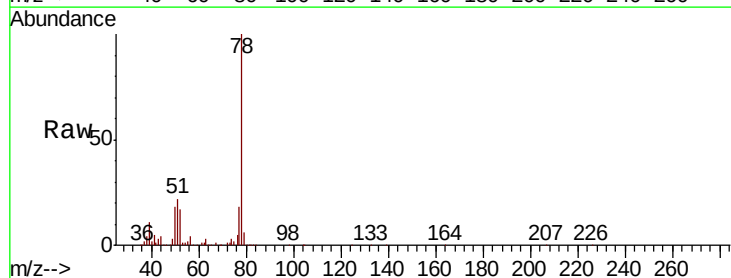
Instrument :
MSVOA_L
ClientSampled :
VP-6

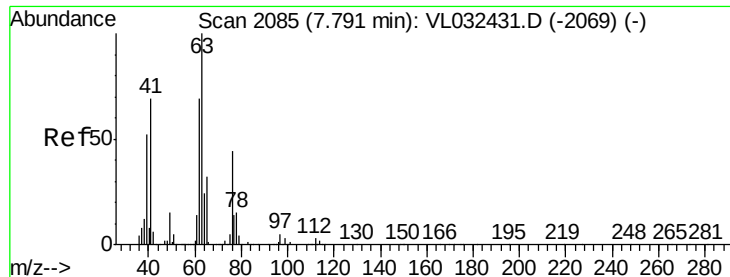
Tgt Ion: 43 Resp: 972683
Ion Ratio Lower Upper
43 100
72 22.3 17.8 26.6



#36
Benzene
Concen: 0.998 ppbv
RT: 7.05 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Tgt Ion: 78 Resp: 291983
Ion Ratio Lower Upper
78 100
77 16.9 18.4 27.6#
50 18.0 14.4 21.6





#39

1,2-Dichloropropane

Concen: 7.370 ppbv

RT: 7.34 min Scan# 1944

Delta R.T. -0.45 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

VP-6

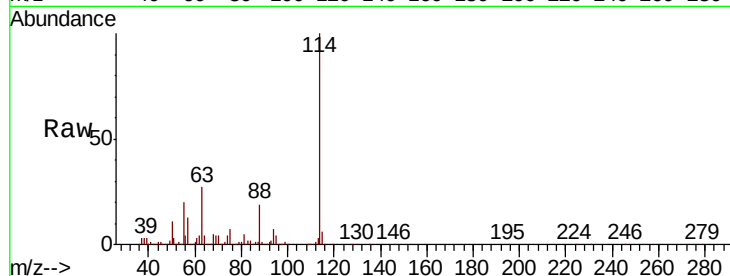
Tgt Ion: 63 Resp: 922288

Ion Ratio Lower Upper

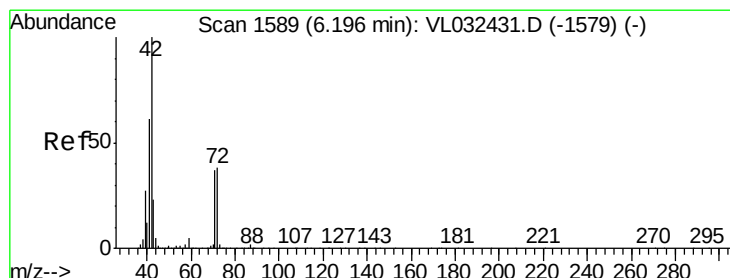
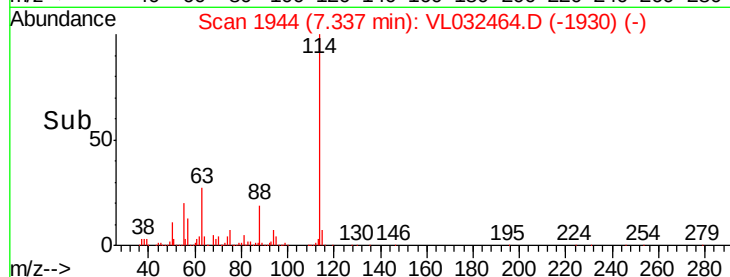
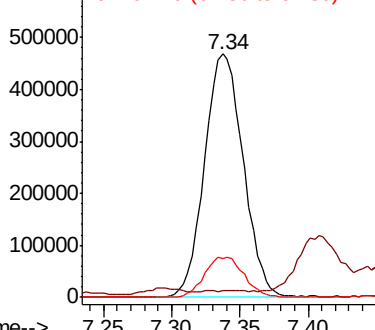
63 100

41 0.0 55.4 83.0#

62 16.2 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



#41

Tetrahydrofuran

Concen: 0.540 ppbv

RT: 6.20 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

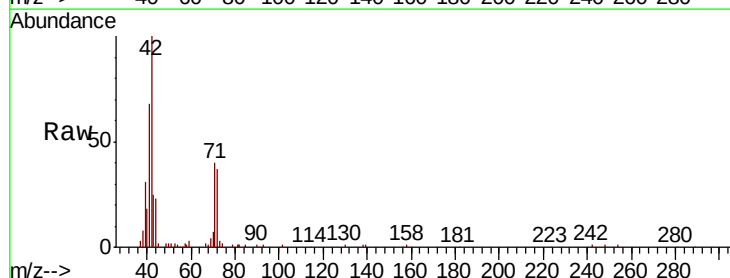
Tgt Ion: 42 Resp: 67165

Ion Ratio Lower Upper

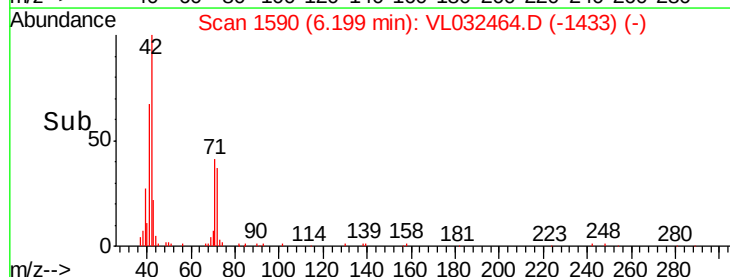
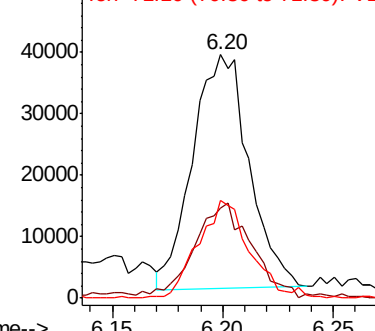
42 100

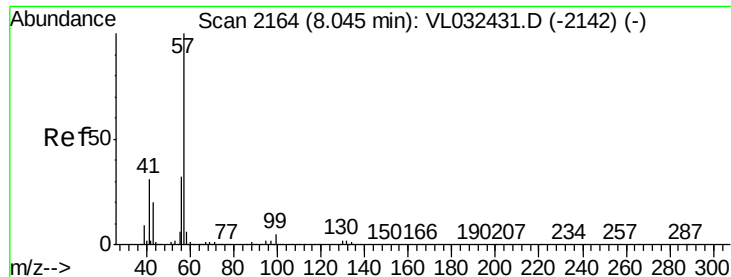
72 44.8 29.5 44.3#

71 38.4 28.3 42.5



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

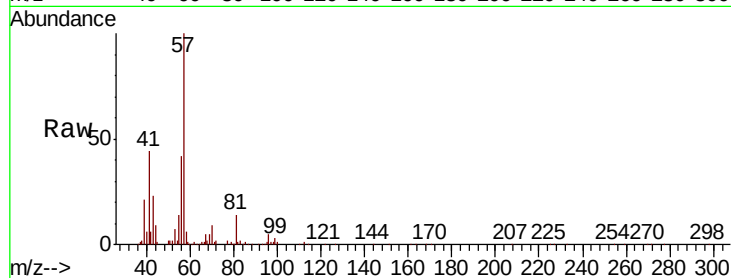




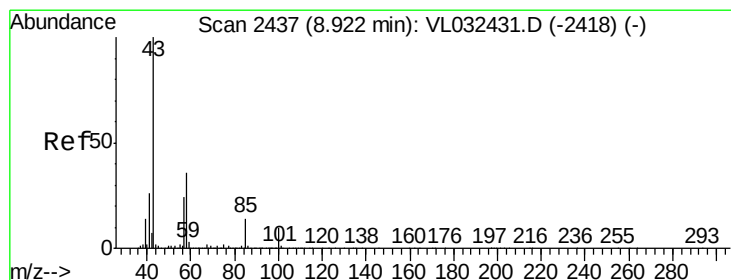
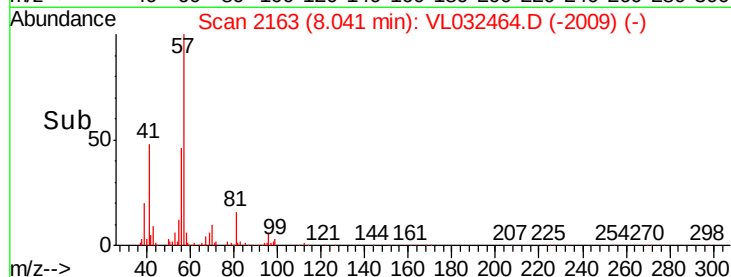
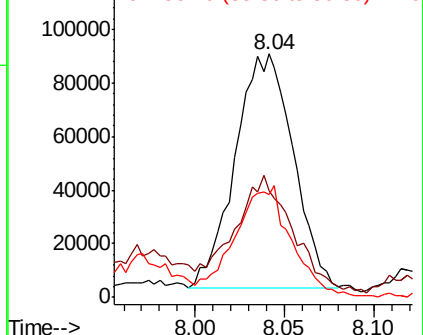
#44
 2,2,4-Trimethylpentane
 Concen: 0.349 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-6

Tgt Ion: 57 Resp: 197442
 Ion Ratio Lower Upper
 57 100
 41 0.0 24.4 36.6#
 56 46.5 25.7 38.5#

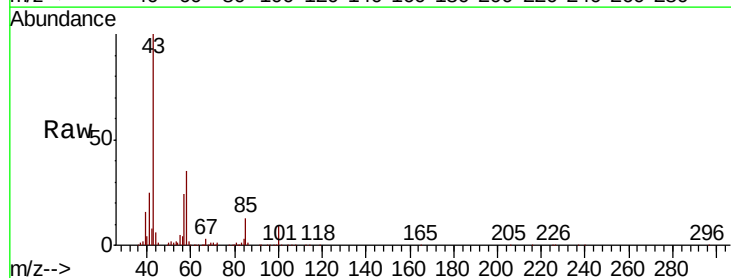


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

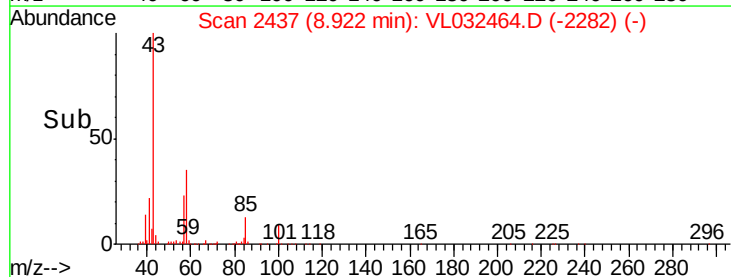
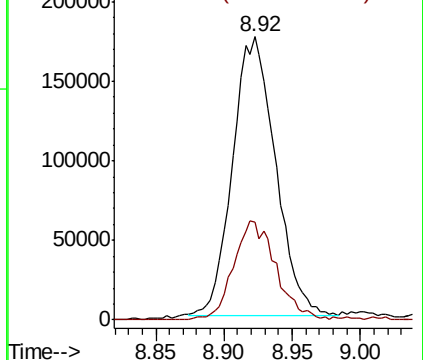


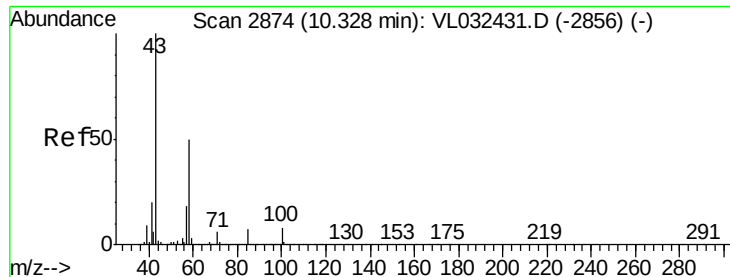
#50
 4-Methyl-2-Pentanone
 Concen: 1.113 ppbv
 RT: 8.92 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Tgt Ion: 43 Resp: 382875
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.0 43.4



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

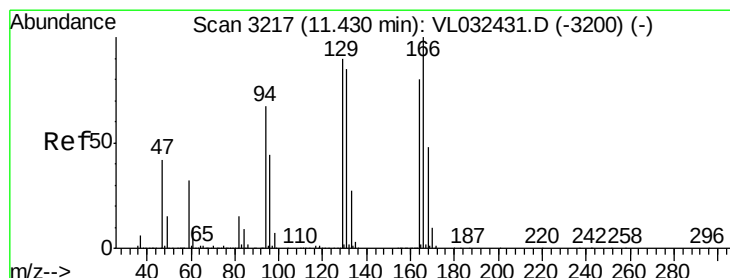
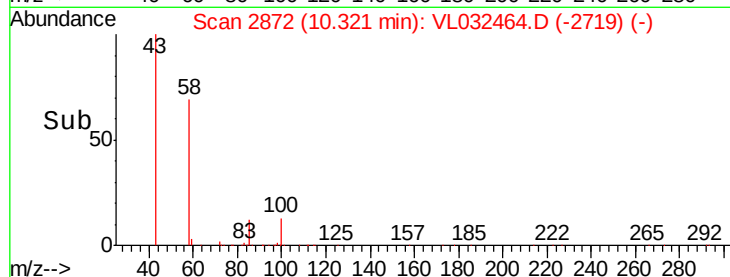
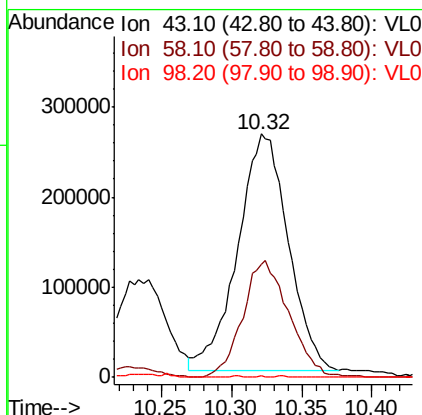
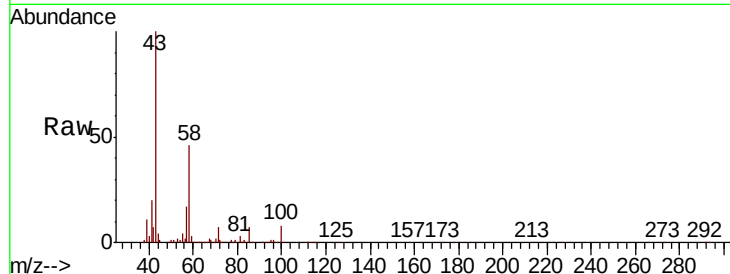




#51
 2-Hexanone
 Concen: 2.972 ppbv
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.01 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

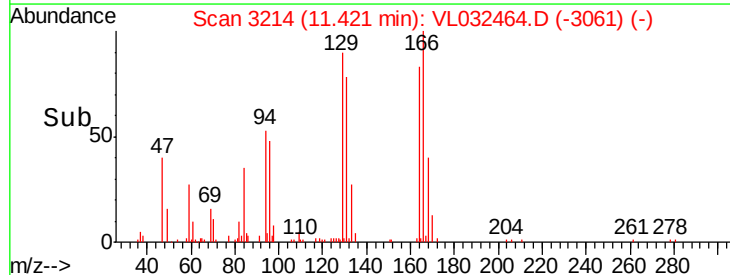
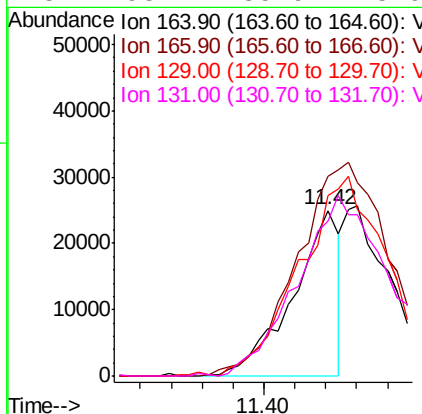
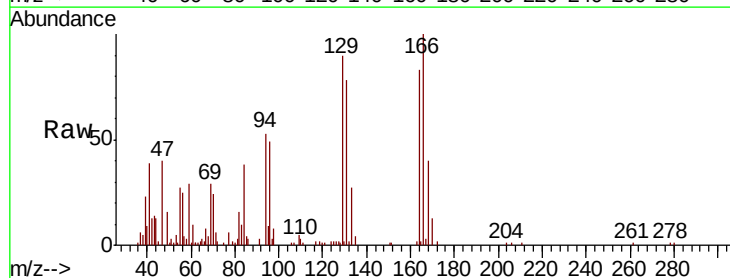
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-6

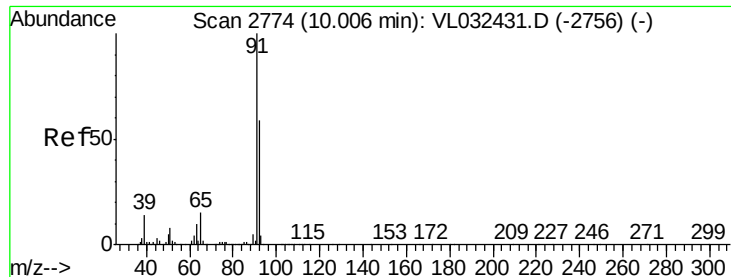
Tgt Ion: 43 Resp: 658400
 Ion Ratio Lower Upper
 43 100
 58 44.8 39.2 58.8
 98 0.3 0.4 0.6#



#52
 Tetrachloroethene
 Concen: 0.286 ppbv
 RT: 11.42 min Scan# 3214
 Delta R.T. -0.01 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Tgt Ion: 164 Resp: 25983
 Ion Ratio Lower Upper
 164 100
 166 120.9 100.6 150.8
 129 108.5 89.9 134.9
 131 93.7 85.9 128.9





#53

Toluene

Concen: 2.323 ppbv

RT: 10.00 min Scan# 2771

Delta R.T. -0.01 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

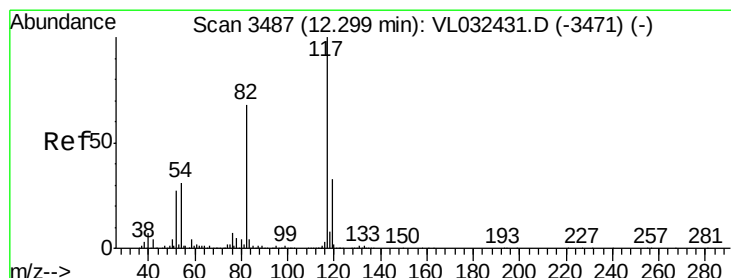
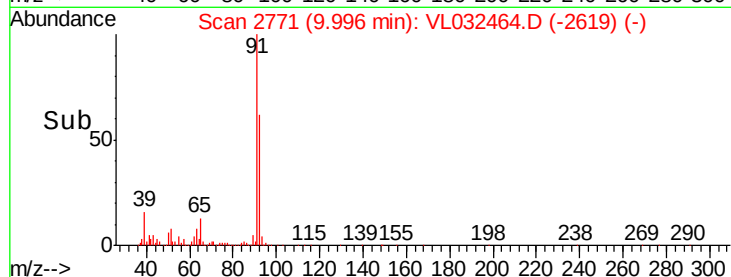
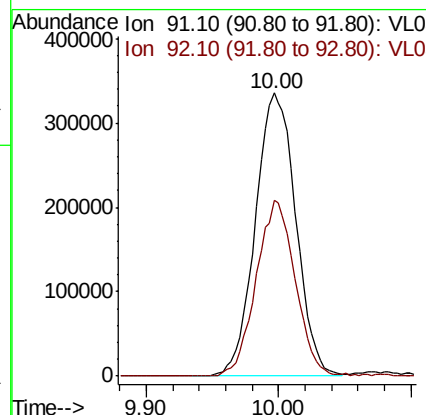
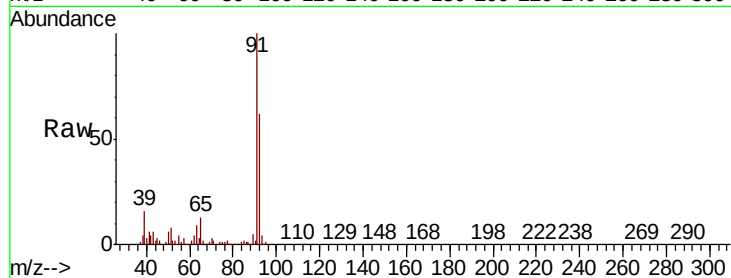
VP-6

Tgt Ion: 91 Resp: 710196

Ion Ratio Lower Upper

91 100

92 60.1 48.1 72.1



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.30 min Scan# 3487

Delta R.T. -0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

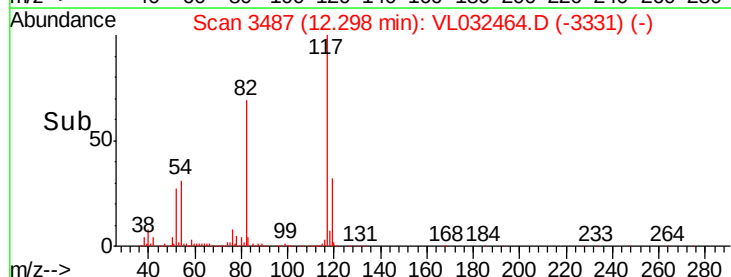
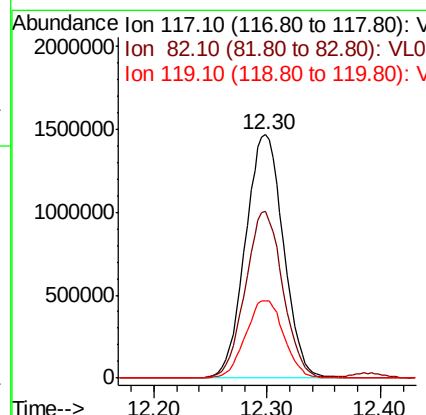
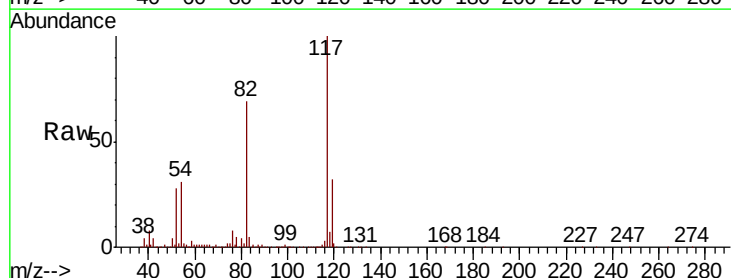
Tgt Ion: 117 Resp: 3433457

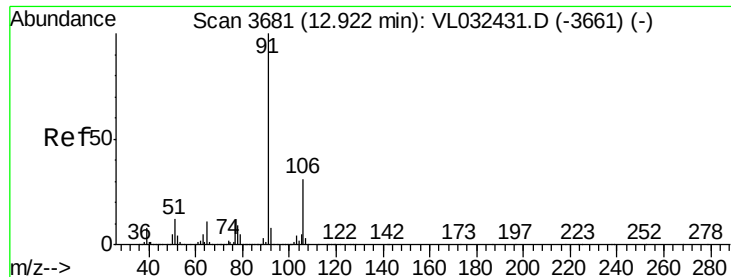
Ion Ratio Lower Upper

117 100

82 67.2 53.0 79.6

119 32.2 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.482 ppbv

RT: 12.92 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

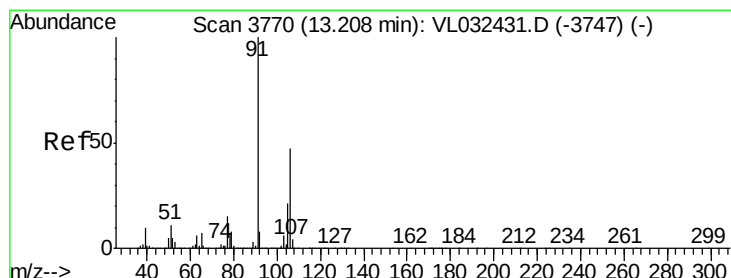
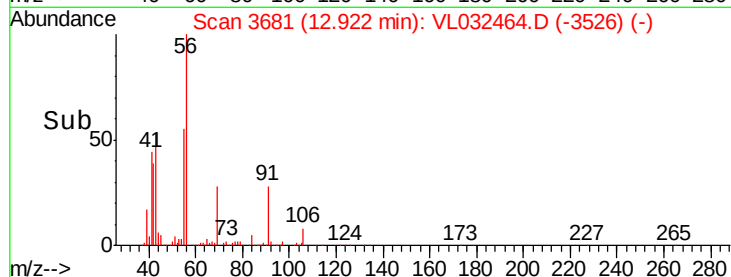
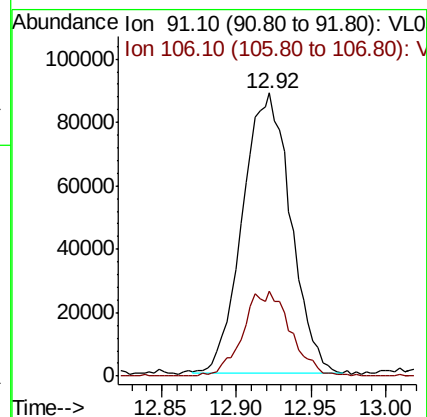
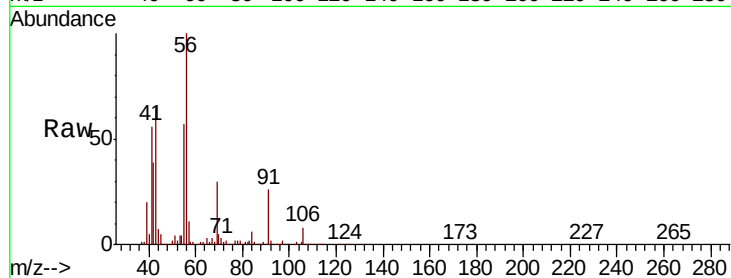
VP-6

Tgt Ion: 91 Resp: 198086

Ion Ratio Lower Upper

91 100

106 30.3 24.8 37.2



#59

m/p-Xylene

Concen: 1.153 ppbv

RT: 13.18 min Scan# 3760

Delta R.T. -0.03 min

Lab File: VL032464.D

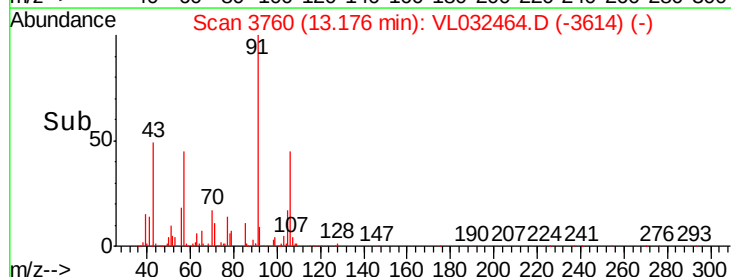
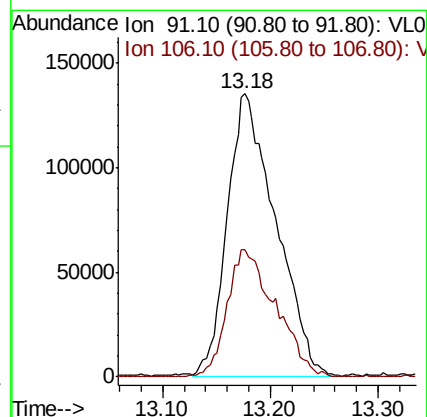
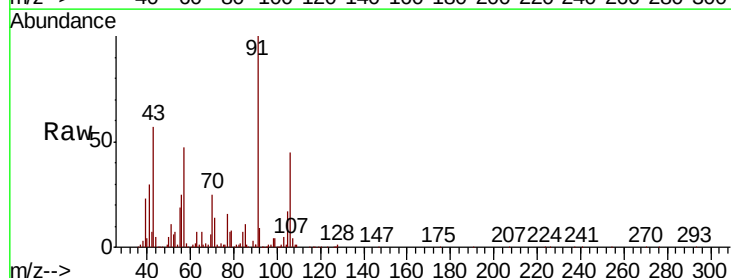
Acq: 5 Sep 2018 19:31

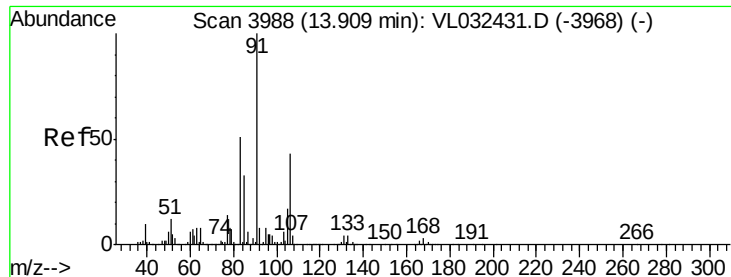
Tgt Ion: 91 Resp: 422286

Ion Ratio Lower Upper

91 100

106 45.3 36.6 55.0

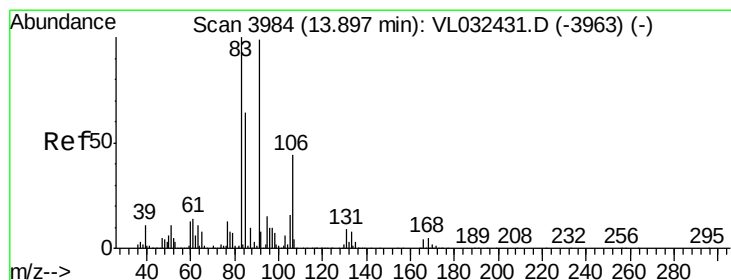
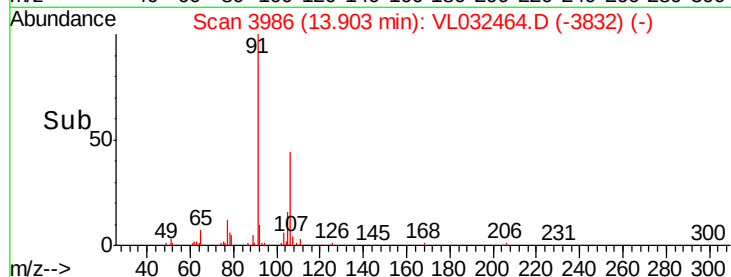
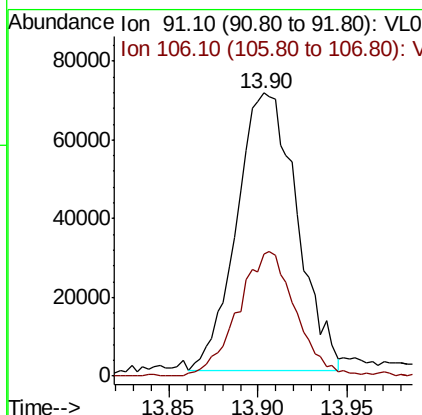
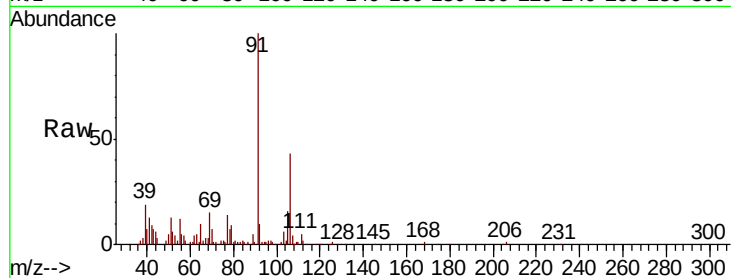




#60
o-Xylene
Concen: 0.463 ppbv
RT: 13.90 min Scan# 3986
Delta R.T. -0.01 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

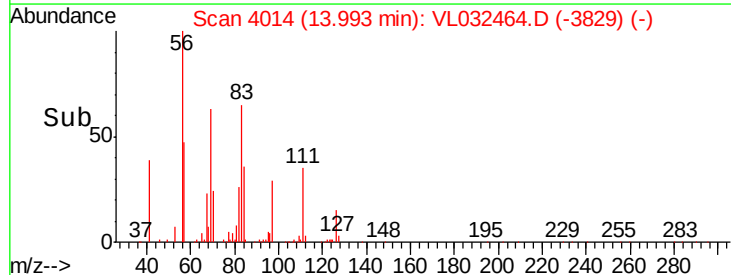
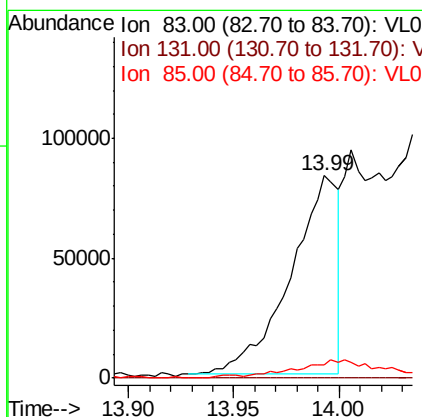
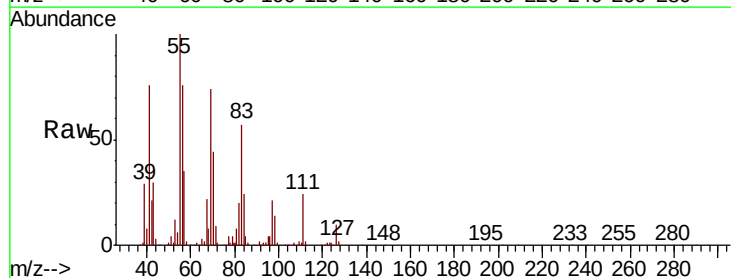
Instrument :
MSVOA_L
ClientSampleId :
VP-6

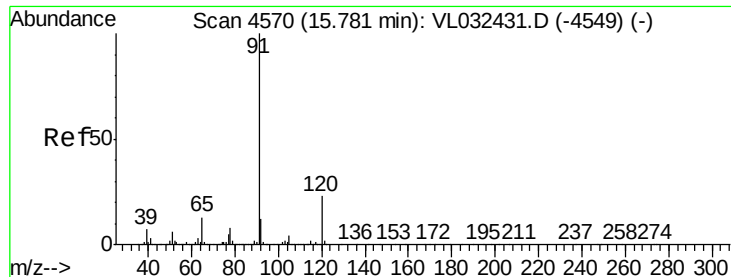
Tgt Ion: 91 Resp: 166637
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.7



#63
1,1,2,2-Tetrachloroethane
Concen: 0.405 ppbv
RT: 13.99 min Scan# 4014
Delta R.T. 0.10 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Tgt Ion: 83 Resp: 130207
Ion Ratio Lower Upper
83 100
131 0.0 4.3 12.8#
85 0.0 32.3 96.8#

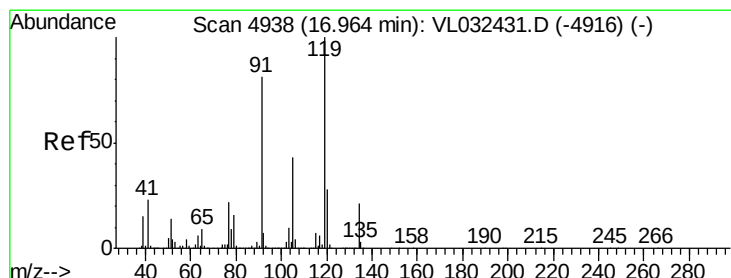
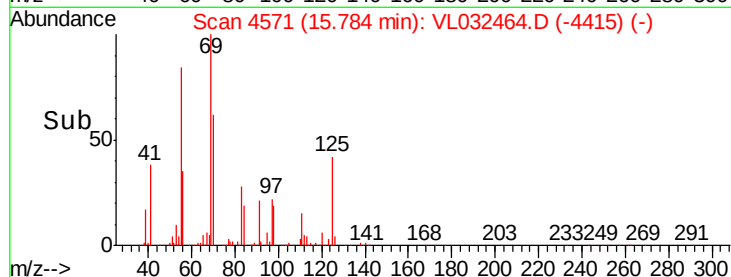
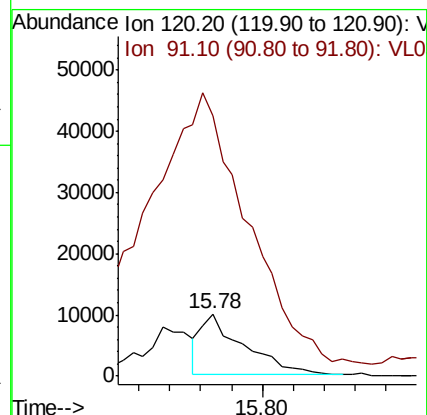
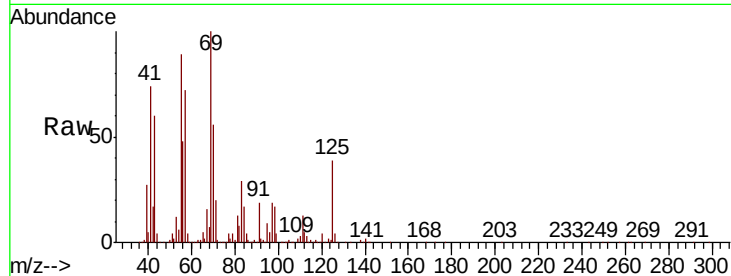




#64
n-propylbenzene
Concen: 0.073 ppbv
RT: 15.78 min Scan# 4571
Delta R.T. 0.00 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

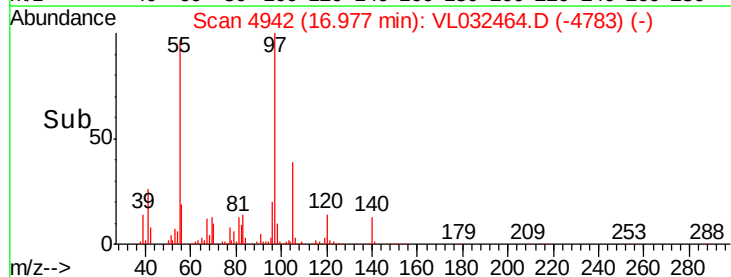
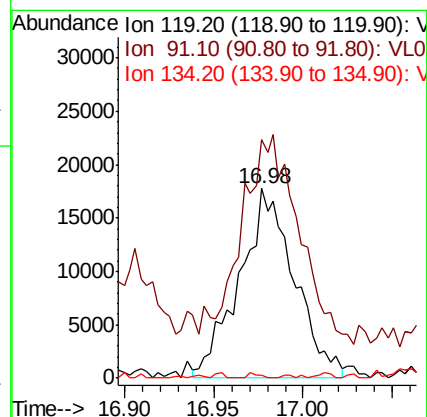
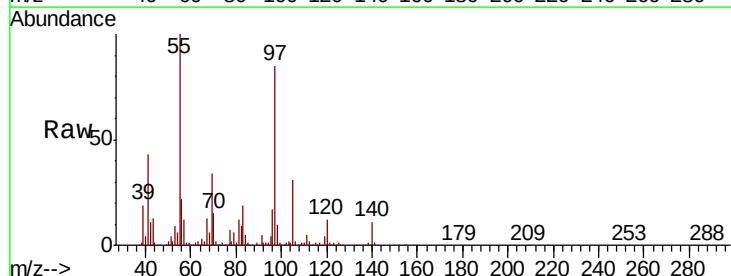
Instrument :
MSVOA_L
ClientSampleId :
VP-6

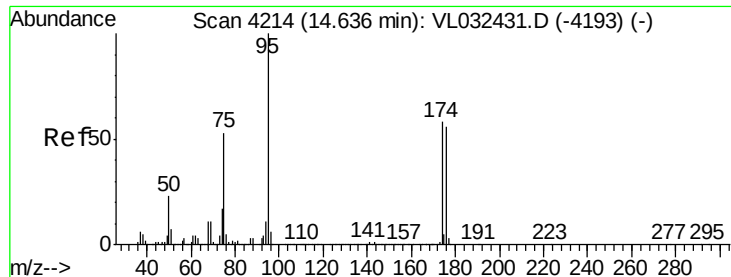
Tgt Ion:120 Resp: 9676
Ion Ratio Lower Upper
120 100
91 1065.0 381.8 572.6#



#65
tert-Butylbenzene
Concen: 0.087 ppbv
RT: 16.98 min Scan# 4942
Delta R.T. 0.01 min
Lab File: VL032464.D
Acq: 5 Sep 2018 19:31

Tgt Ion:119 Resp: 38059
Ion Ratio Lower Upper
119 100
91 116.9 66.5 99.7#
134 0.0 16.0 24.0#

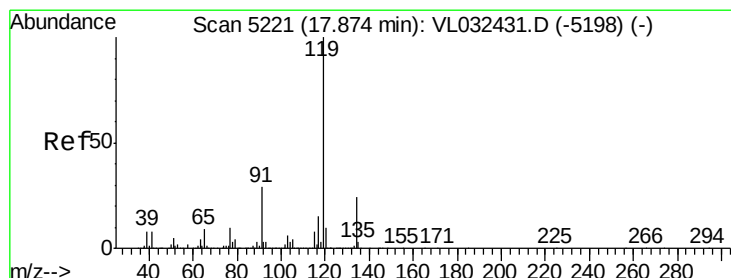
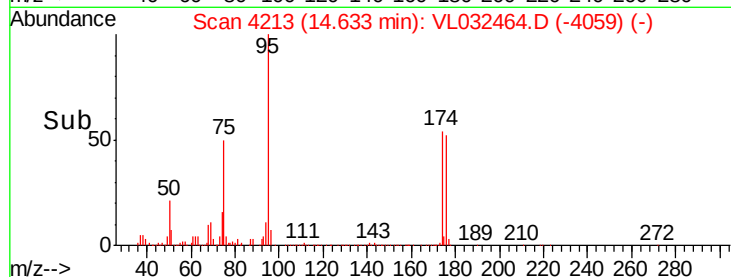
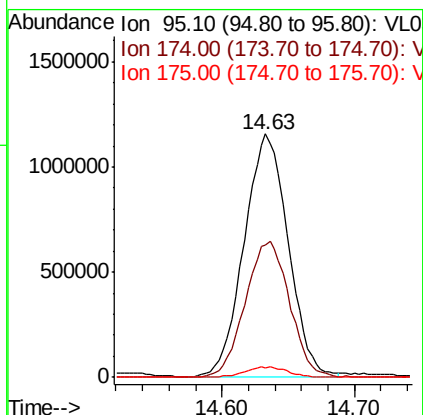
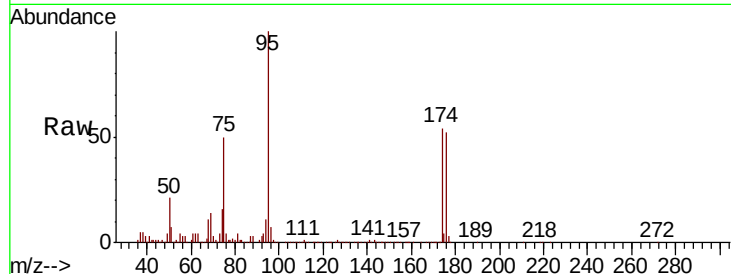




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.467 ppbv
 RT: 14.63 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

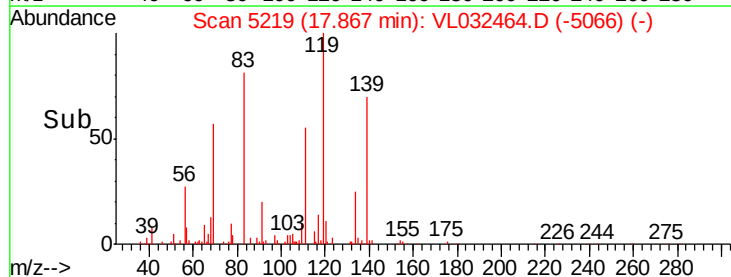
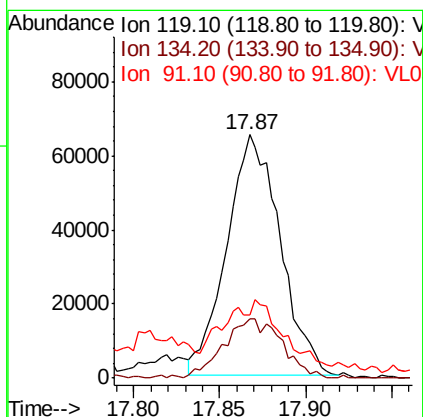
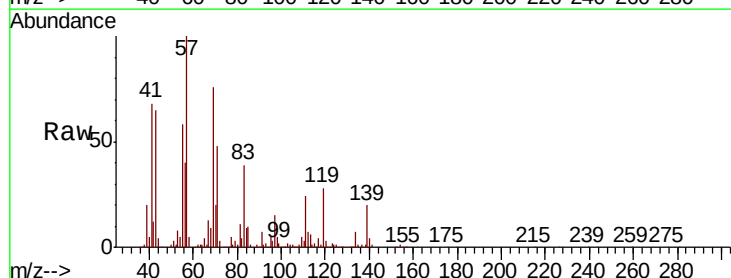
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-6

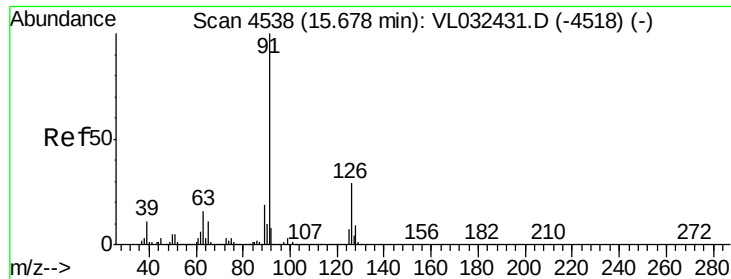
Tgt Ion: 95 Resp: 2668150
 Ion Ratio Lower Upper
 95 100
 174 56.8 46.3 69.5
 175 4.2 3.4 5.0



#69
 p-Isopropyltoluene
 Concen: 0.275 ppbv
 RT: 17.87 min Scan# 5219
 Delta R.T. -0.01 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Tgt Ion: 119 Resp: 139783
 Ion Ratio Lower Upper
 119 100
 134 27.6 20.4 30.6
 91 36.6 23.4 35.2#

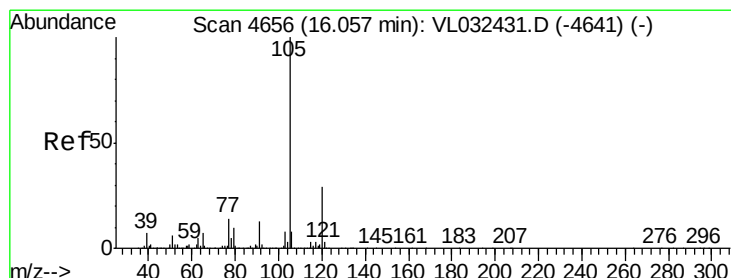
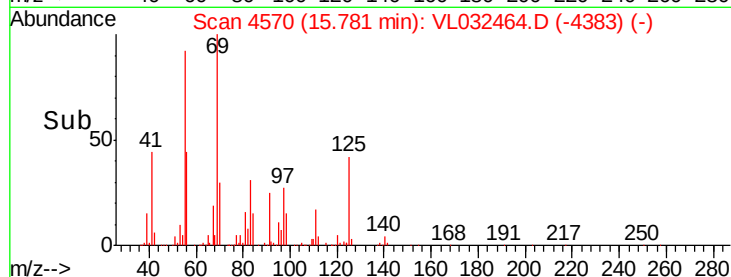
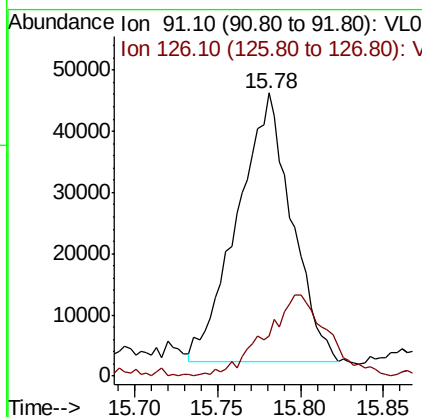
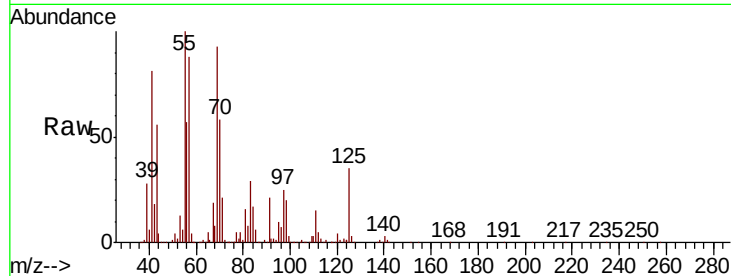




#71
 2-Chlorotoluene
 Concen: 0.259 ppbv
 RT: 15.78 min Scan# 4570
 Delta R.T. 0.10 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

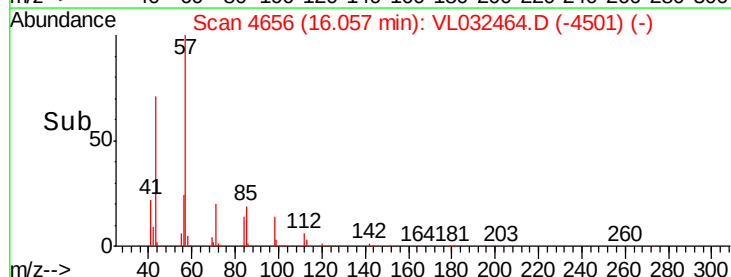
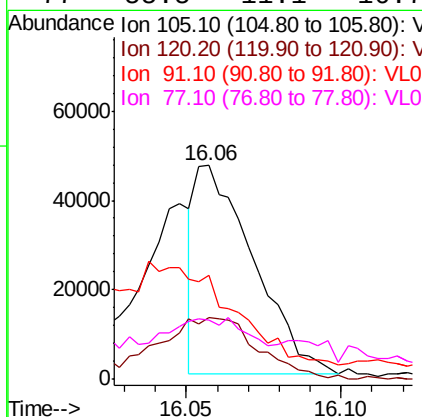
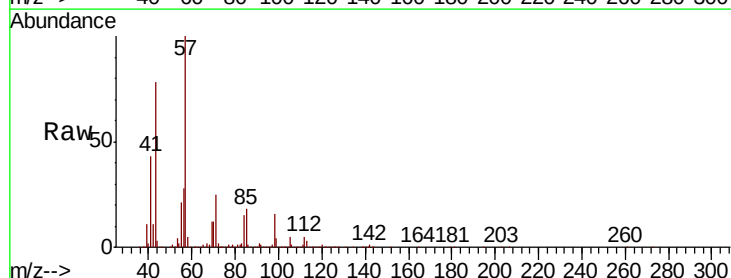
Instrument :
 MSVOA_L
 ClientSampled :
 VP-6

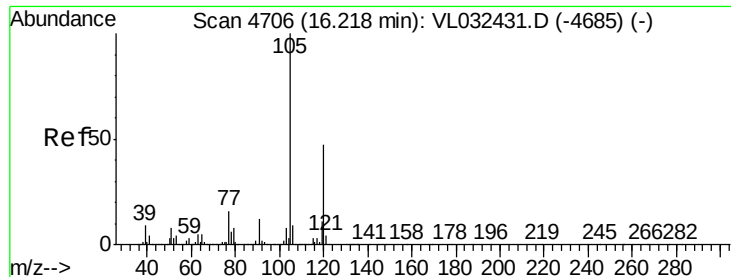
Tgt Ion: 91 Resp: 100092
 Ion Ratio Lower Upper
 91 100
 126 34.8 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 0.154 ppbv
 RT: 16.06 min Scan# 4656
 Delta R.T. -0.00 min
 Lab File: VL032464.D
 Acq: 5 Sep 2018 19:31

Tgt Ion: 105 Resp: 60438
 Ion Ratio Lower Upper
 105 100
 120 52.7 23.5 35.3#
 91 0.0 10.2 15.2#
 77 55.5 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.270 ppbv

RT: 16.21 min Scan# 4704

Delta R.T. -0.01 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampled :

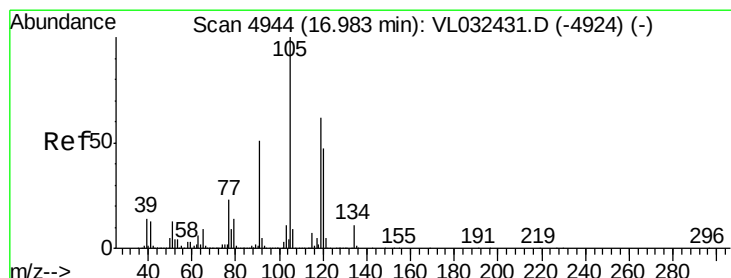
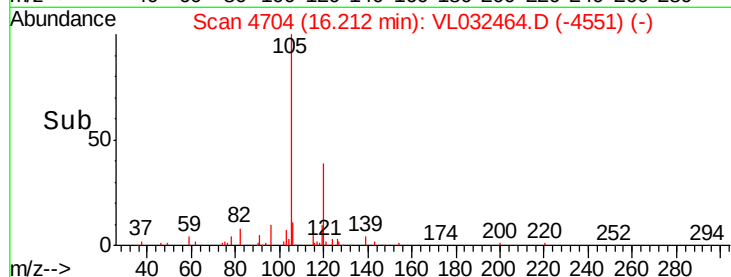
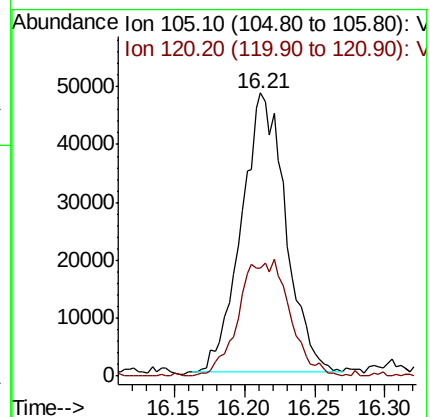
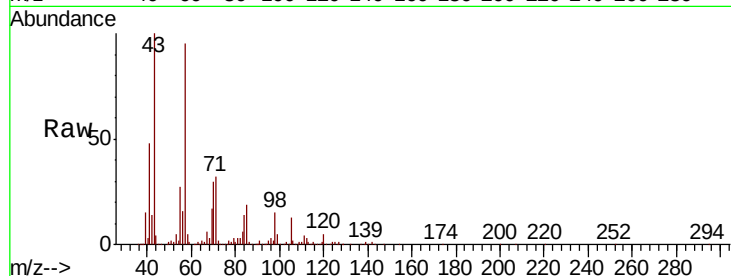
VP-6

Tgt Ion:105 Resp: 106245

Ion Ratio Lower Upper

105 100

120 38.5 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 0.352 ppbv

RT: 16.98 min Scan# 4944

Delta R.T. -0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Tgt Ion:105 Resp: 151391

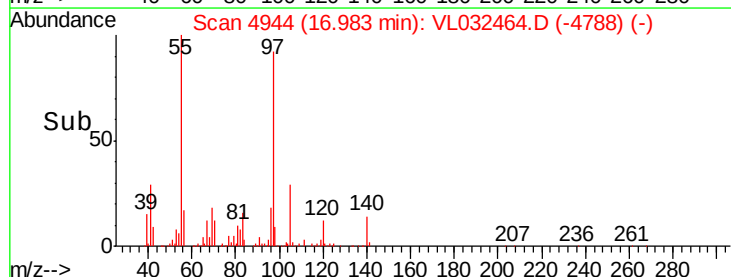
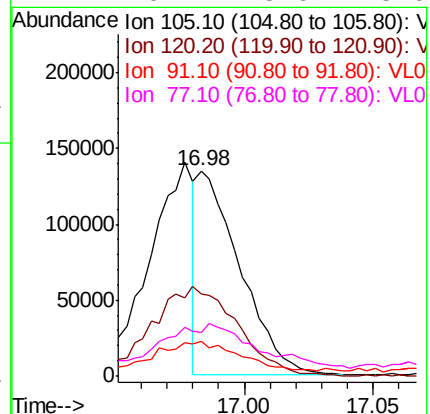
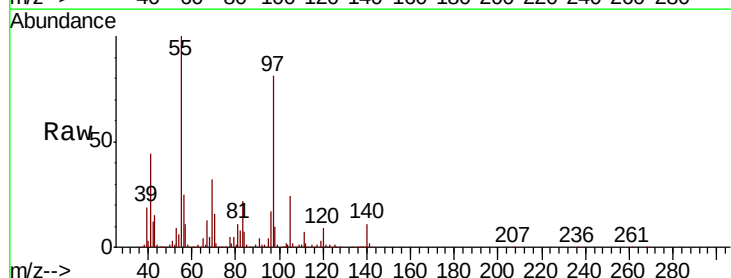
Ion Ratio Lower Upper

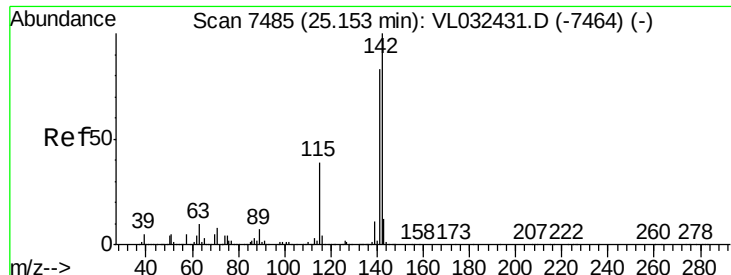
105 100

120 39.9 37.8 56.8

91 14.6 41.4 62.0#

77 16.7 18.6 28.0#





#80

Naphthalene, 2-methyl-

Concen: 0.067 ppbv

RT: 25.16 min Scan# 7486

Delta R.T. 0.00 min

Lab File: VL032464.D

Acq: 5 Sep 2018 19:31

Instrument :

MSVOA_L

ClientSampleId :

VP-6

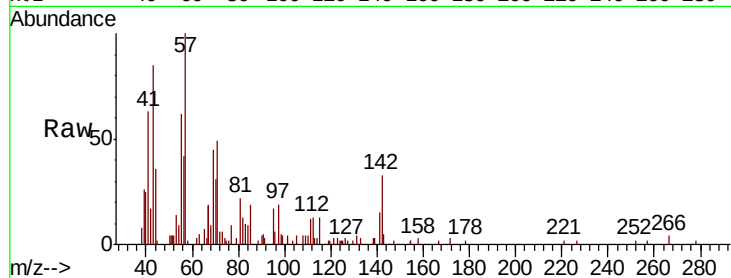
Tgt Ion:142 Resp: 6236

Ion Ratio Lower Upper

142 100

141 94.6 67.0 100.6

115 64.2 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

