

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034237.D
 Acq On : 8 Oct 2019 00:57
 Operator : SY/AP
 Sample : K5222-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-1

Quant Time: Oct 09 02:23:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1114165	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1867438	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.15	117	1901601	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1678771	10.16	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	106765	0.649	ppbv	93
3) Chlorodifluoromethane	2.87	51	20445	0.157	ppbv	97
4) Chloromethane	3.12	50	35824	0.467	ppbv	92
5) Vinyl Chloride	3.24	62	26570	0.379	ppbv	93
9) Propene	2.99	41	748373	11.611	ppbv	97
10) Heptane	8.17	43	716328	4.264	ppbv	99
11) Trichlorofluoromethane	3.95	101	39140	0.261	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4684	0.048	ppbv #	54
13) Ethanol	3.60	45	1188768	76.168	ppbv	97
15) Acetone	3.84	43	1267791	8.490	ppbv #	78
16) 1,3-Butadiene	3.31	39	93366	1.433	ppbv #	19
17) tert-Butyl alcohol	4.31	59	7234	0.076	ppbv #	71
19) Isopropyl Alcohol	3.98	45	166478	1.813	ppbv #	1
20) Methylene Chloride	4.35	84	333368	7.743	ppbv	96
21) Allyl Chloride	4.37	41	161096	1.910	ppbv #	56
23) Vinyl Acetate	5.07	43	476028	2.163	ppbv #	1
25) Ethyl Acetate	5.71	43	938073	3.322	ppbv #	83
26) Hexane	5.71	57	985054	8.386	ppbv #	48
27) Carbon Disulfide	4.56	76	4975	0.046	ppbv #	60
30) Cyclohexane	7.17	84	304790	3.594	ppbv	94
31) cis-1,2-Dichloroethene	5.57	61	27178	0.227	ppbv	95
34) 2-Butanone	5.27	43	183318	0.961	ppbv	98
36) Benzene	6.93	78	1115304	5.408	ppbv	97
39) 1,2-Dichloropropane	7.22	63	612752	6.612	ppbv #	19
41) Tetrahydrofuran	6.14	42	5155	0.048	ppbv #	65
44) 2,2,4-Trimethylpentane	7.91	57	962520	2.424	ppbv #	82
50) 4-Methyl-2-Pentanone	8.81	43	19006	0.068	ppbv #	40
51) 2-Hexanone	10.17	43	42260	0.181	ppbv #	44
52) Tetrachloroethene	11.29	164	18617	0.273	ppbv	85
53) Toluene	9.86	91	4011939	17.799	ppbv	98
58) Ethyl Benzene	12.78	91	584677	1.906	ppbv	90
59) m/p-Xylene	13.03	91	1454553	5.723	ppbv	98
60) o-Xylene	13.76	91	513360	2.020	ppbv	97
61) Styrene	13.60	104	21709	0.119	ppbv #	10
62) Isopropylbenzene	14.74	105	19797	0.060	ppbv #	70
64) n-propylbenzene	15.64	120	11539	0.139	ppbv #	1
72) 4-Ethyltoluene	15.91	105	84006	0.293	ppbv #	55
73) 1,3,5-Trimethylbenzene	16.07	105	103956	0.375	ppbv	90
74) 1,2,4-Trimethylbenzene	16.84	105	251965	0.856	ppbv #	71

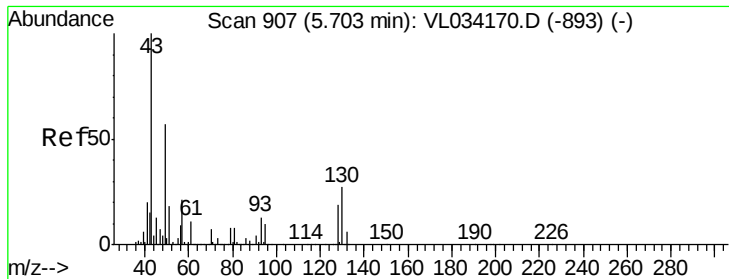
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
Data File : VL034237.D
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

V-1

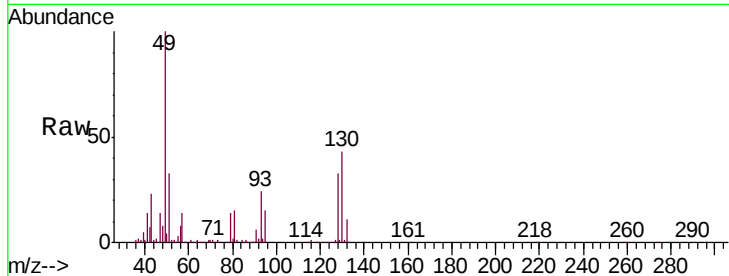
Tgt Ion: 49 Resp: 1114165

Ion Ratio Lower Upper

49 100

128 33.7 17.6 52.9

130 44.3 22.3 66.9



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

5.69

800000

600000

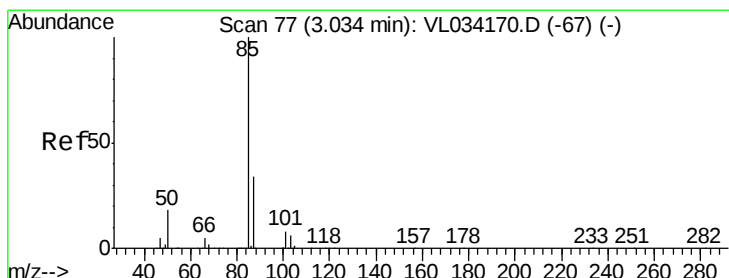
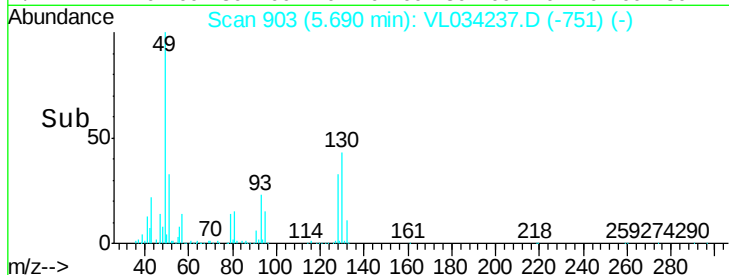
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.649 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034237.D

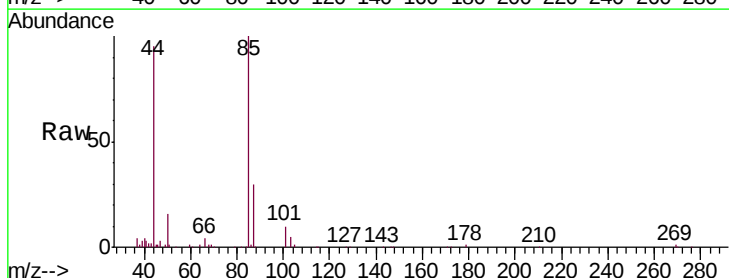
Acq: 8 Oct 2019 00:57

Tgt Ion: 85 Resp: 106765

Ion Ratio Lower Upper

85 100

87 29.9 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

100000

80000

60000

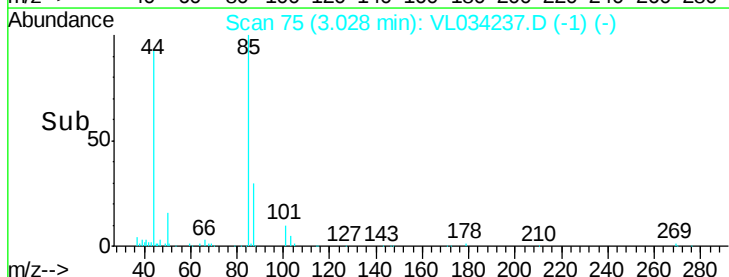
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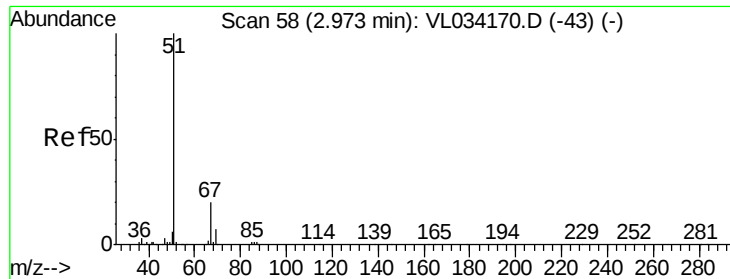
20000

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Time-->

3.00 3.05

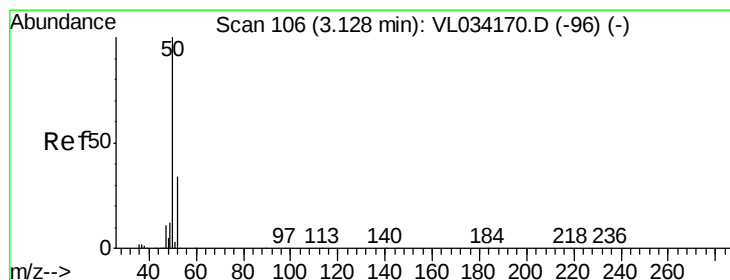
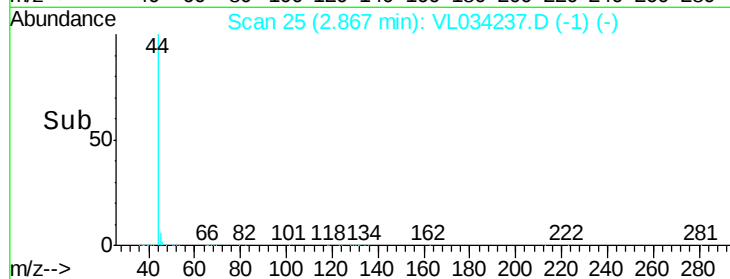
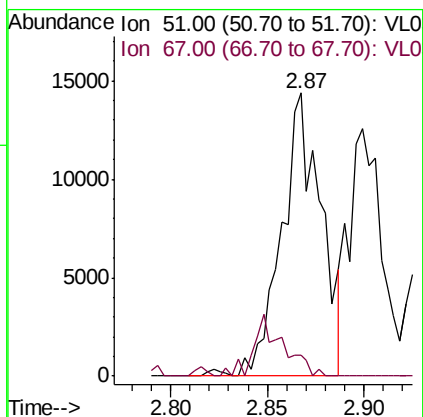
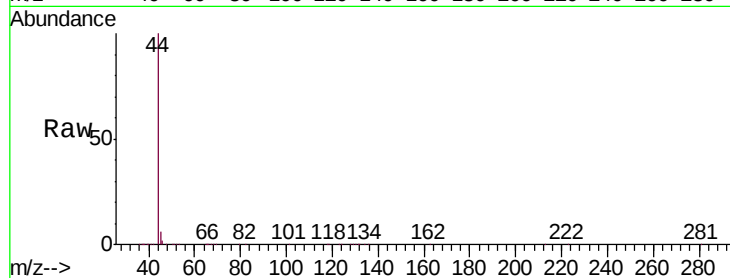




#3
Chlorodifluoromethane
Concen: 0.157 ppbv
RT: 2.87 min Scan# 25
Delta R.T. -0.11 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

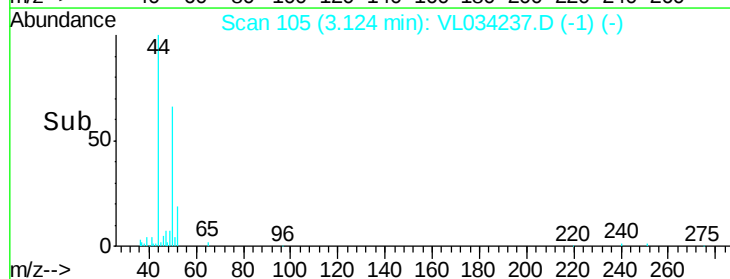
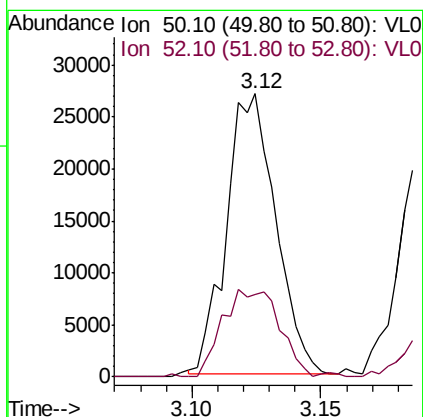
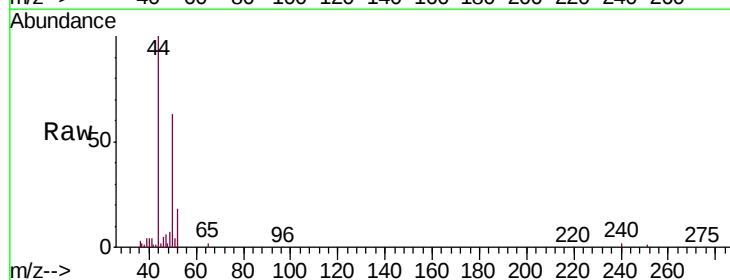
Instrument :
MSVOA_L
ClientSampleId :
V-1

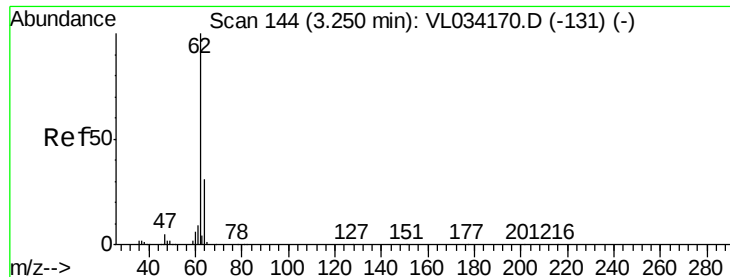
Tgt Ion: 51 Resp: 20445
Ion Ratio Lower Upper
51 100
67 17.1 14.8 22.2



#4
Chloromethane
Concen: 0.467 ppbv
RT: 3.12 min Scan# 105
Delta R.T. -0.00 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 50 Resp: 35824
Ion Ratio Lower Upper
50 100
52 29.4 27.1 40.7





#5

Vinyl Chloride

Concen: 0.379 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

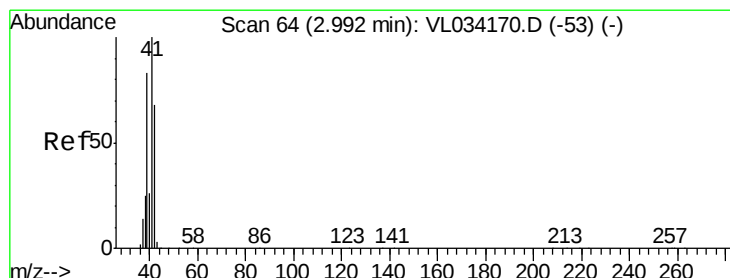
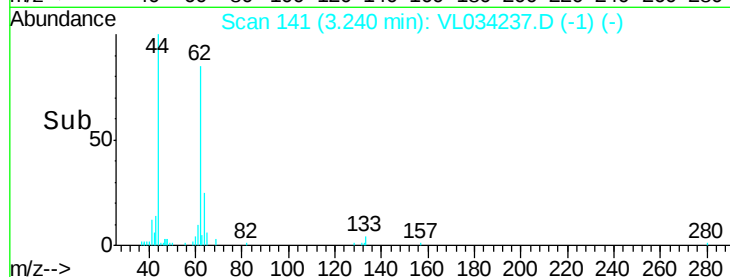
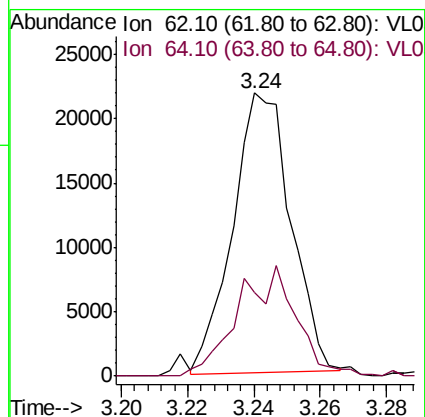
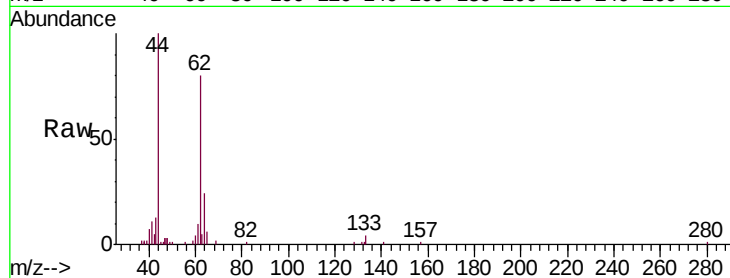
V-1

Tgt Ion: 62 Resp: 26570

Ion Ratio Lower Upper

62 100

64 27.9 25.2 37.8



#9

Propene

Concen: 11.611 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034237.D

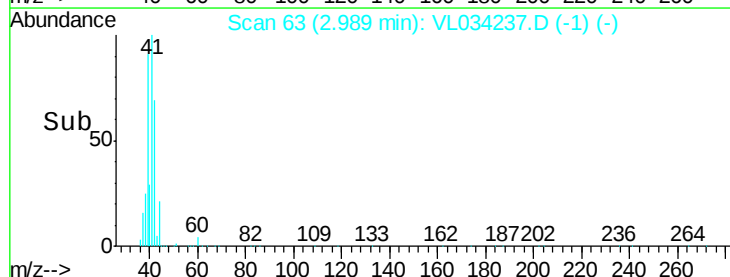
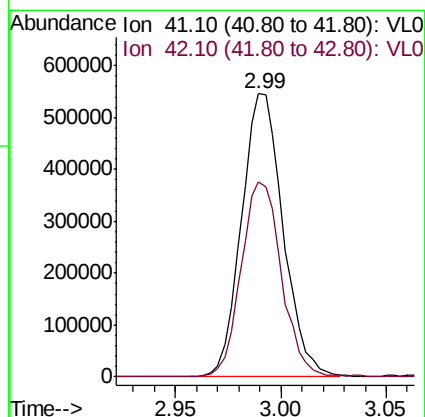
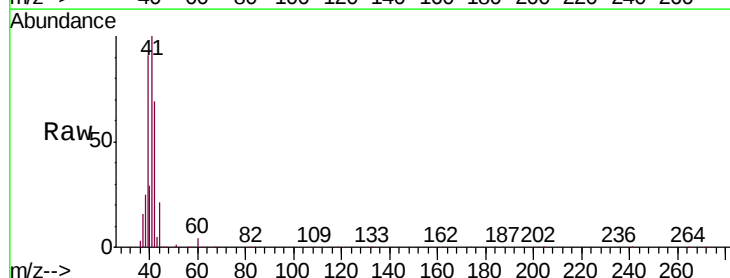
Acq: 8 Oct 2019 00:57

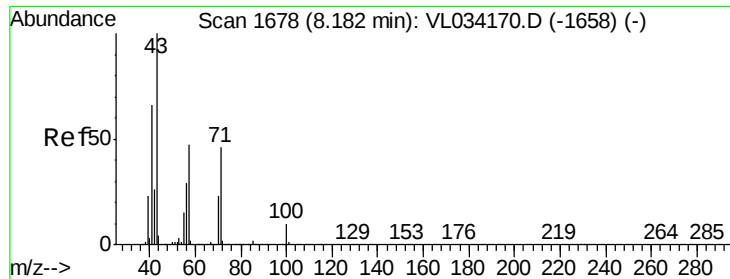
Tgt Ion: 41 Resp: 748373

Ion Ratio Lower Upper

41 100

42 66.9 55.8 83.6





#10

Heptane

Concen: 4.264 ppbv

RT: 8.17 min Scan# 1675

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

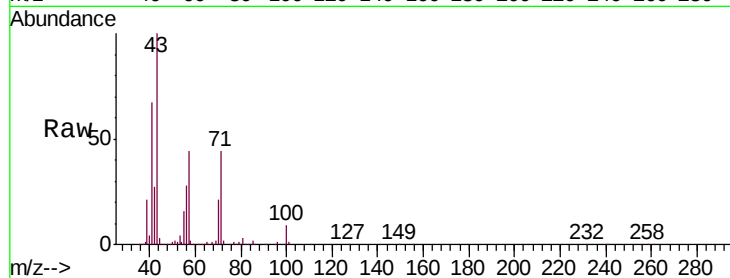
V-1

Tgt Ion: 43 Resp: 716328

Ion Ratio Lower Upper

43 100

57 46.2 37.5 56.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.17

400000

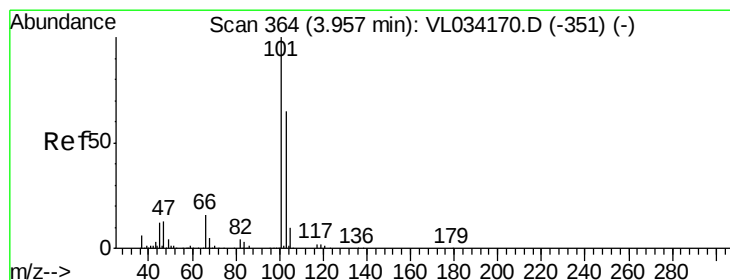
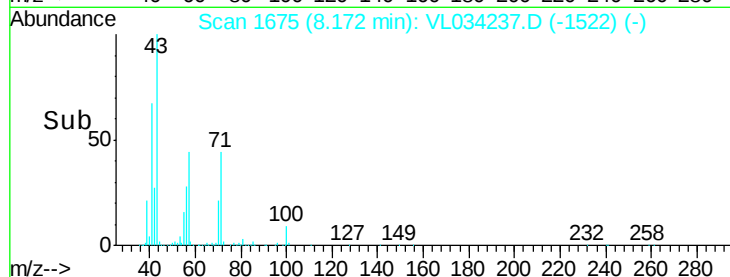
300000

200000

100000

0

Time-->



#11

Trichlorofluoromethane

Concen: 0.261 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL034237.D

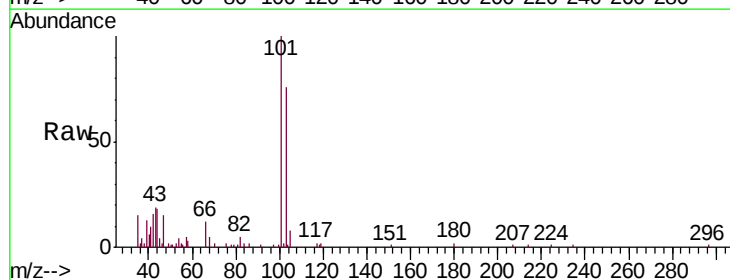
Acq: 8 Oct 2019 00:57

Tgt Ion: 101 Resp: 39140

Ion Ratio Lower Upper

101 100

103 76.0 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.95

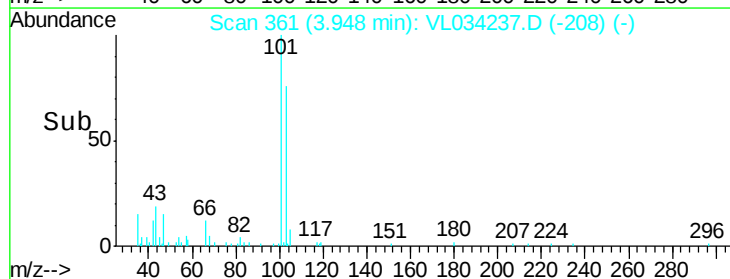
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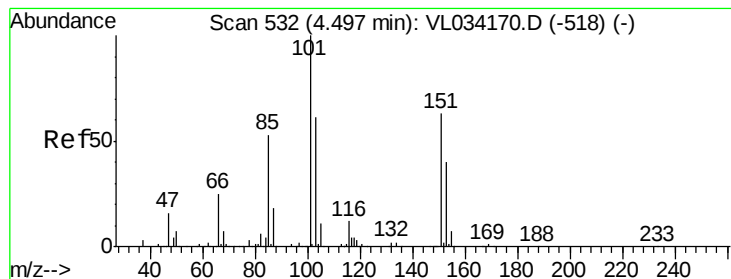
20000

10000

0

Time-->





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.048 ppbv

RT: 4.49 min Scan# 530

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

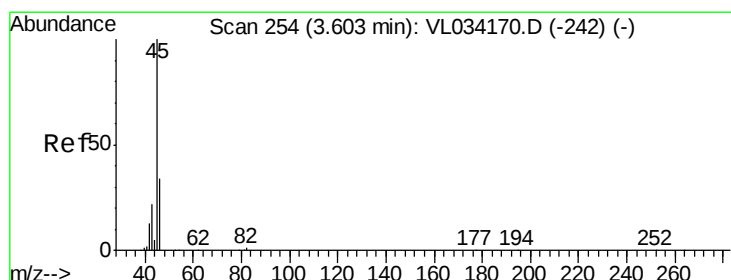
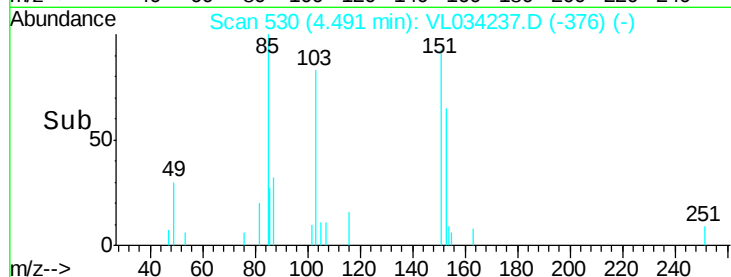
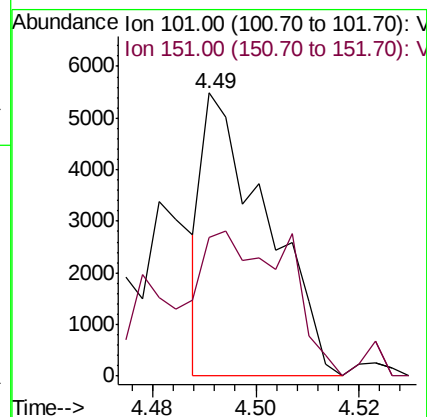
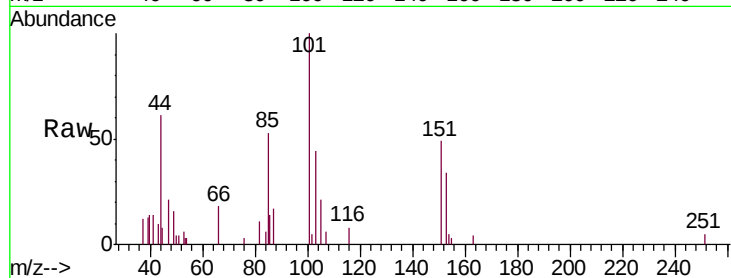
V-1

Tgt Ion:101 Resp: 4684

Ion Ratio Lower Upper

101 100

151 100.7 51.8 77.8#



#13

Ethanol

Concen: 76.168 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL034237.D

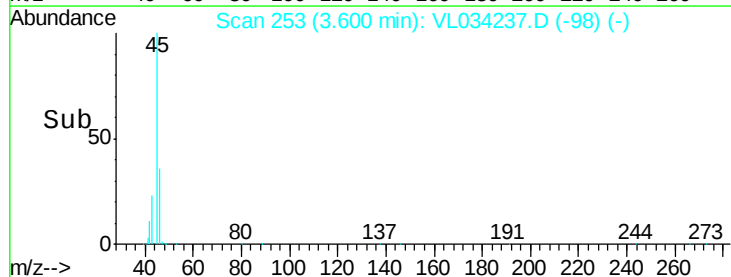
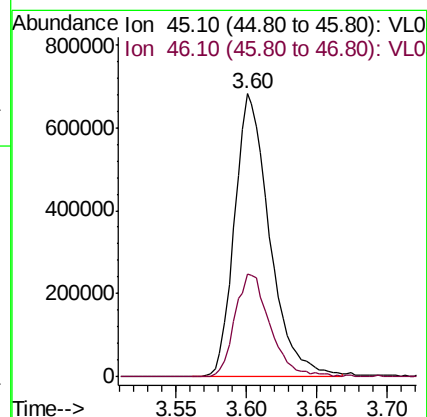
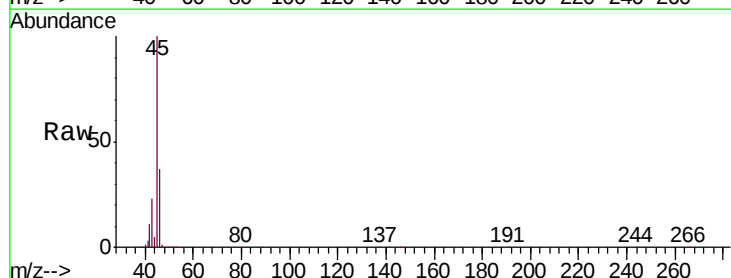
Acq: 8 Oct 2019 00:57

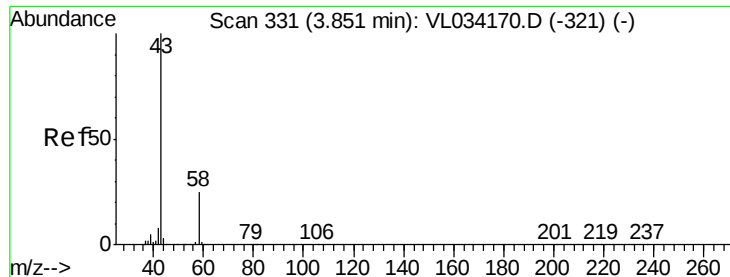
Tgt Ion: 45 Resp: 1188768

Ion Ratio Lower Upper

45 100

46 36.8 15.5 61.9





#15

Acetone

Concen: 8.490 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

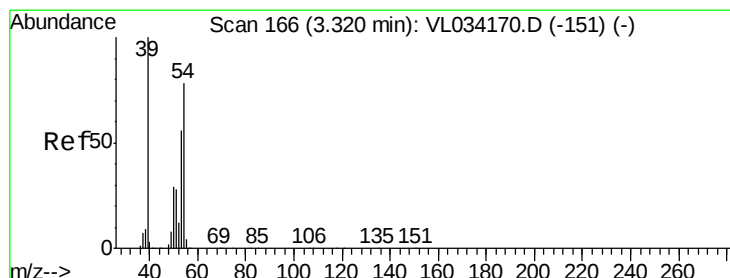
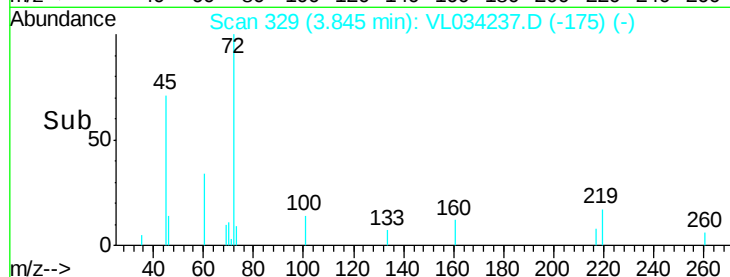
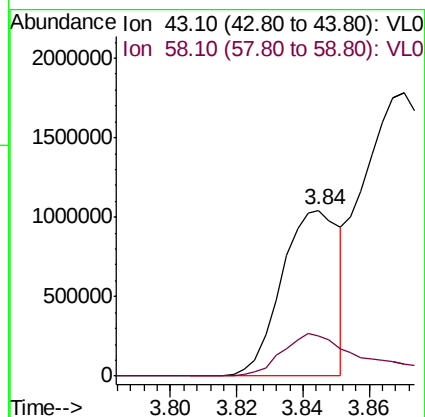
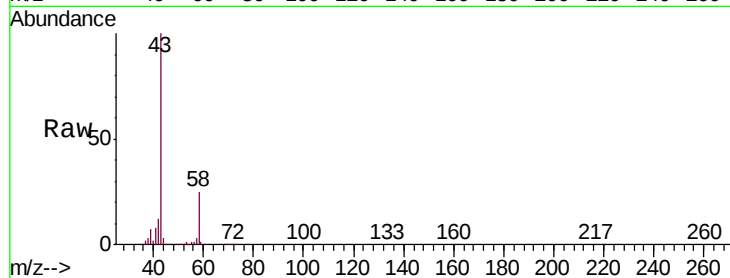
V-1

Tgt Ion: 43 Resp: 1267791

Ion Ratio Lower Upper

43 100

58 36.9 20.5 30.7#



#16

1,3-Butadiene

Concen: 1.433 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL034237.D

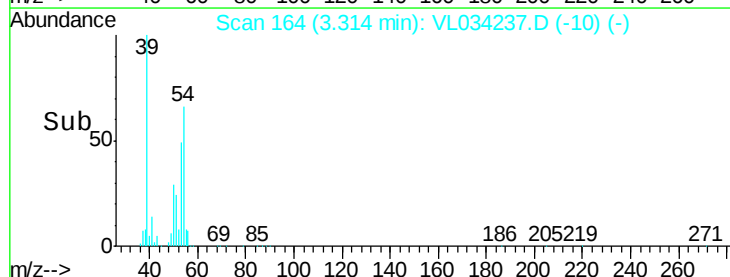
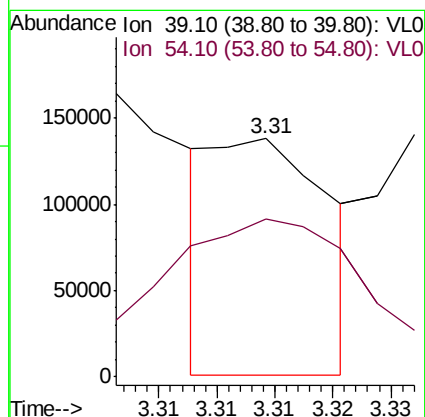
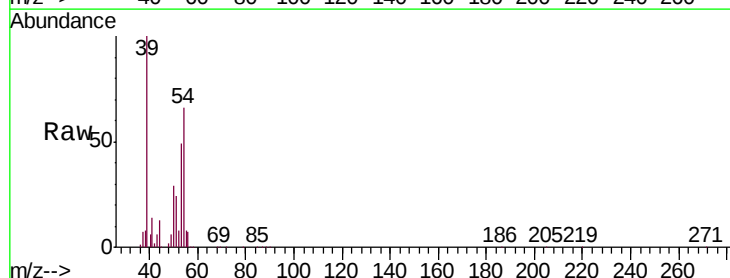
Acq: 8 Oct 2019 00:57

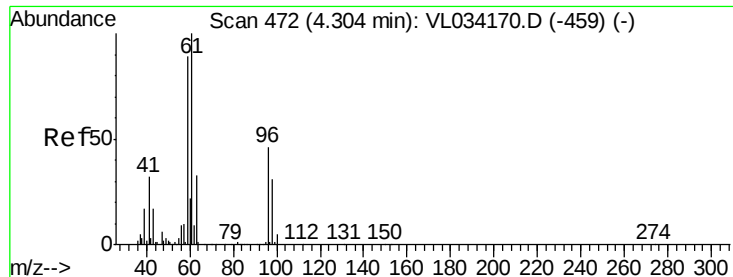
Tgt Ion: 39 Resp: 93366

Ion Ratio Lower Upper

39 100

54 150.1 63.4 95.0#



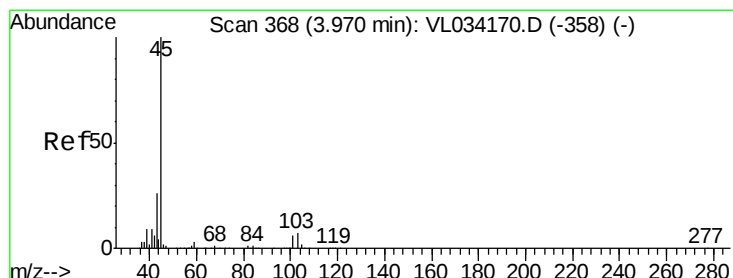
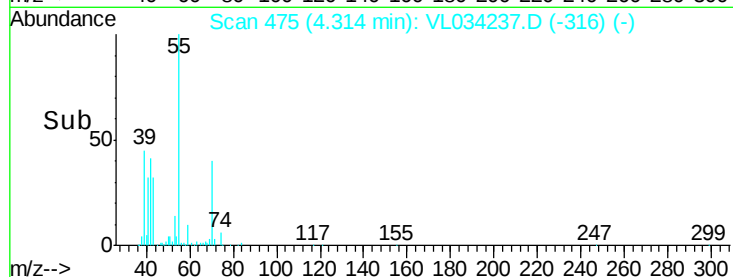
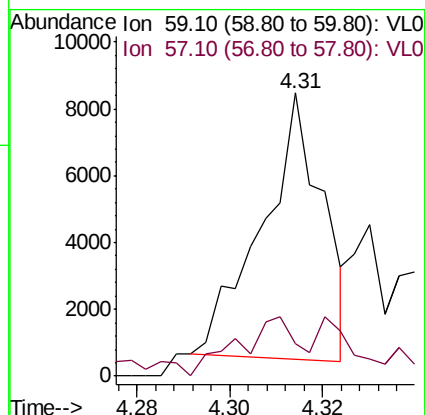
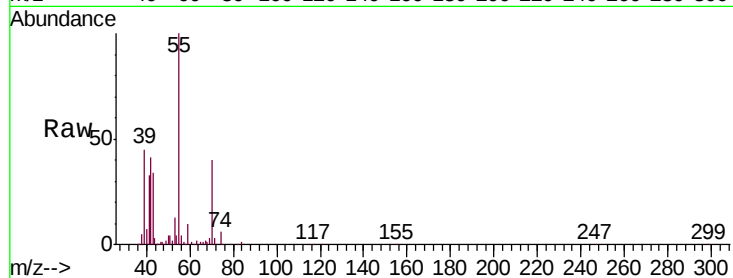


#17

tert-Butyl alcohol
Concen: 0.076 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Instrument :
MSVOA_L
ClientSampleId :
V-1

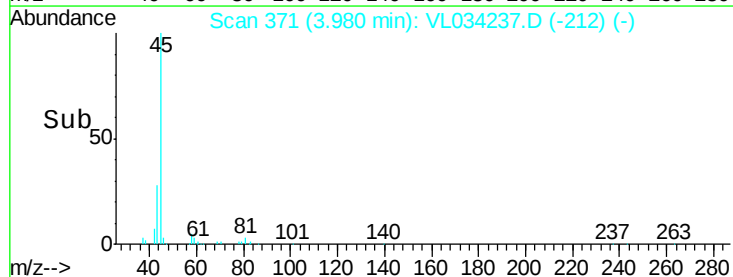
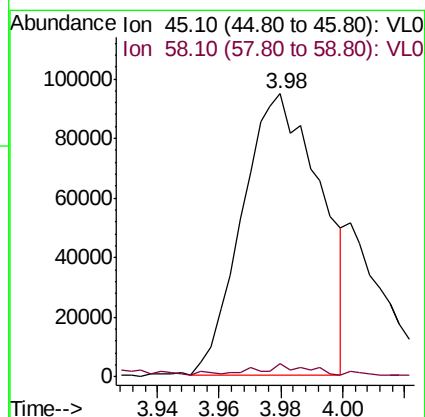
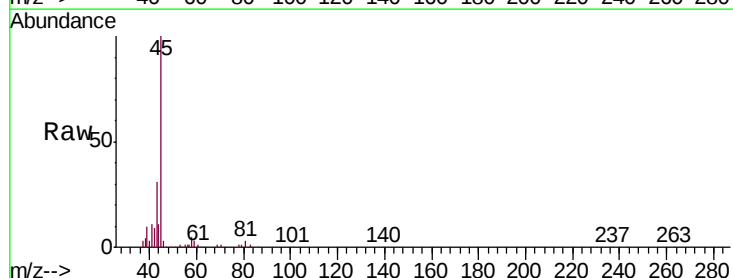
Tgt Ion: 59 Resp: 7234
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

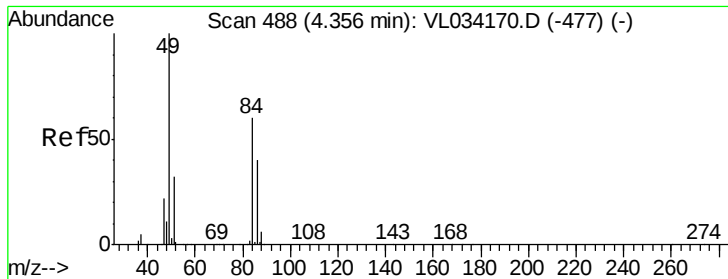


#19

Isopropyl Alcohol
Concen: 1.813 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 45 Resp: 166478
Ion Ratio Lower Upper
45 100
58 281.3 1.4 2.0#

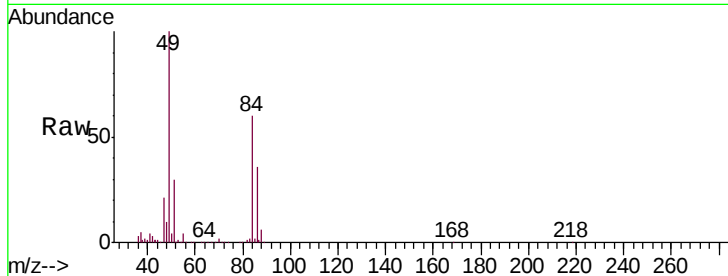




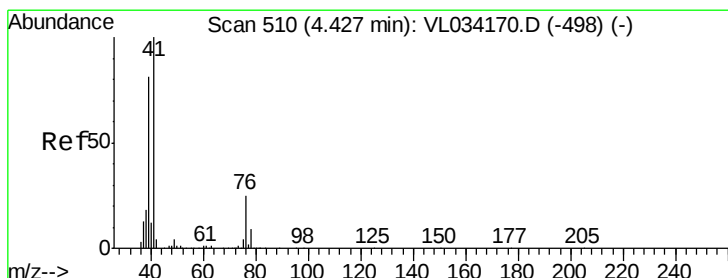
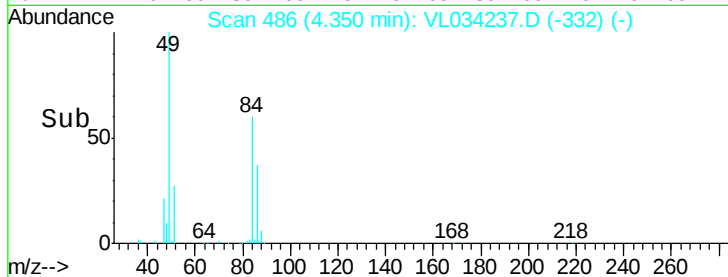
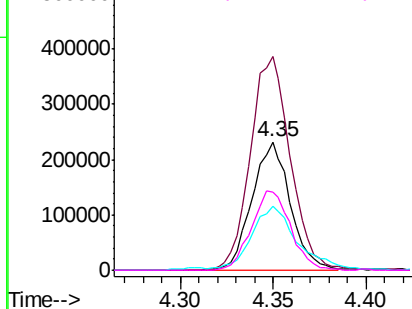
#20
Methylene Chloride
Concen: 7.743 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Instrument :
MSVOA_L
ClientSampleId :
V-1

Tgt Ion: 84 Resp: 333368
Ion Ratio Lower Upper
84 100
49 165.9 133.8 200.8
51 47.9 43.6 65.4
86 60.5 53.1 79.7

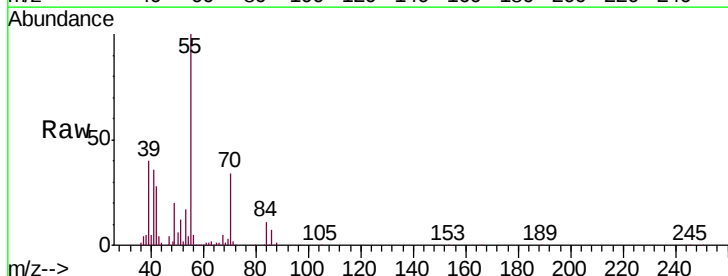


Abundance Ion 84.00 (83.70 to 84.70): VL0
600000 Ion 49.10 (48.80 to 49.80): VL0
500000 Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

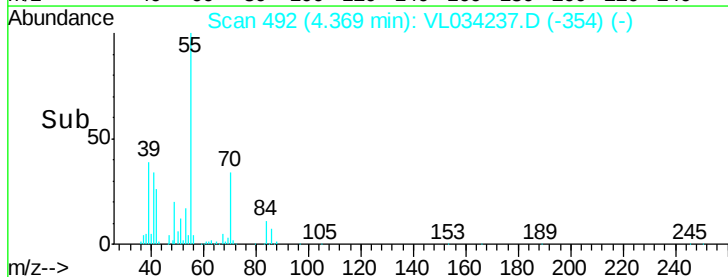
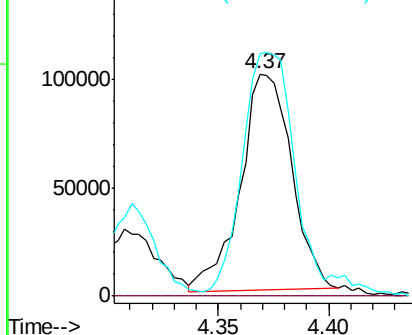


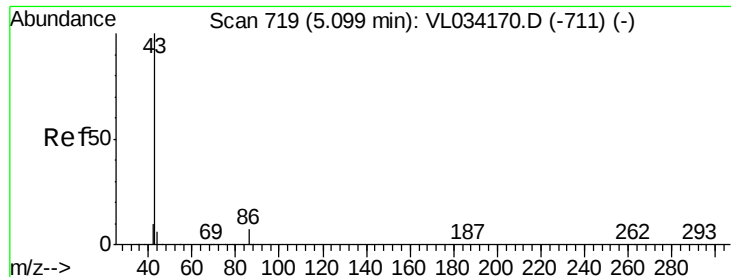
#21
Allyl Chloride
Concen: 1.910 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.06 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 41 Resp: 161096
Ion Ratio Lower Upper
41 100
76 0.0 21.8 32.6#
39 117.1 64.8 97.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0
150000 Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 2.163 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.03 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampled :

V-1

Tgt Ion: 43 Resp: 476028

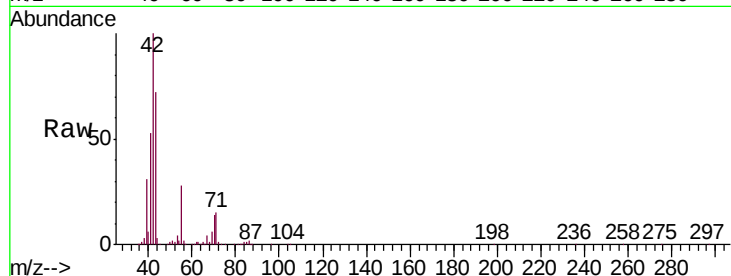
Ion Ratio Lower Upper

43 100

86 2.6 5.1 7.7#

42 138.2 8.6 12.8#

44 3.2 4.7 7.1#

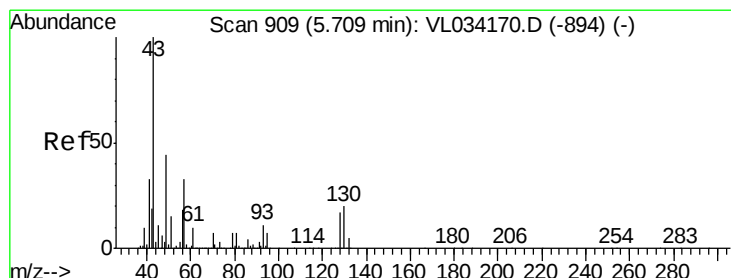
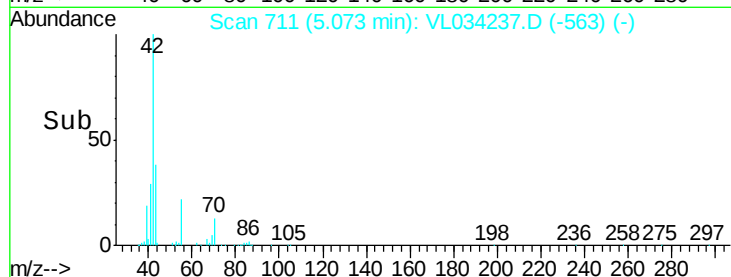
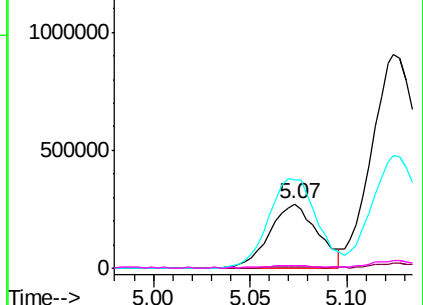


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 3.322 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.00 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Tgt Ion: 43 Resp: 938073

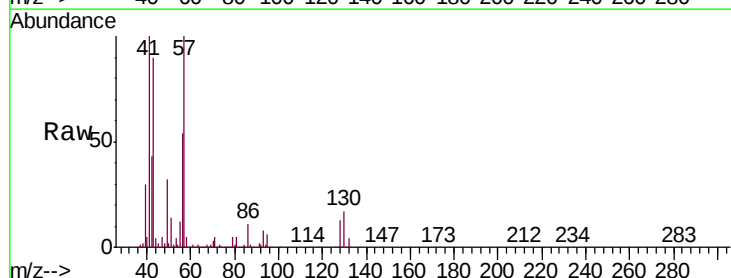
Ion Ratio Lower Upper

43 100

45 3.5 8.4 12.6#

61 2.4 7.2 10.8#

70 2.9 5.3 7.9#

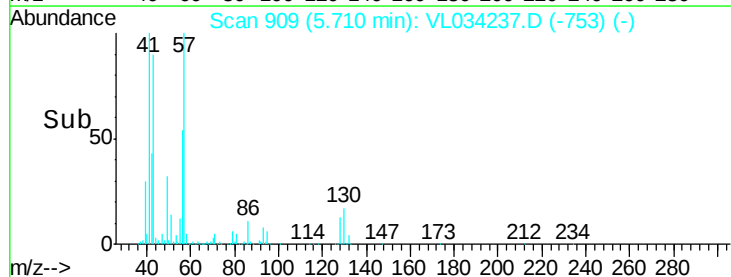
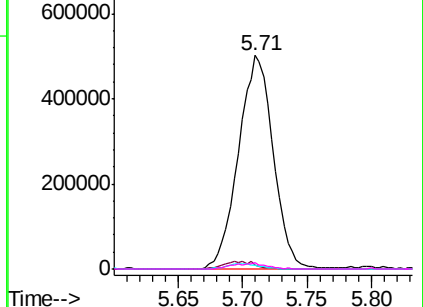


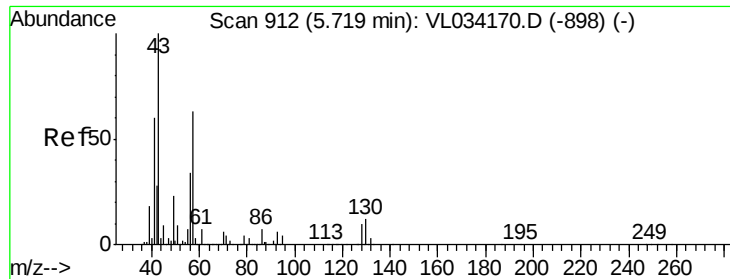
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

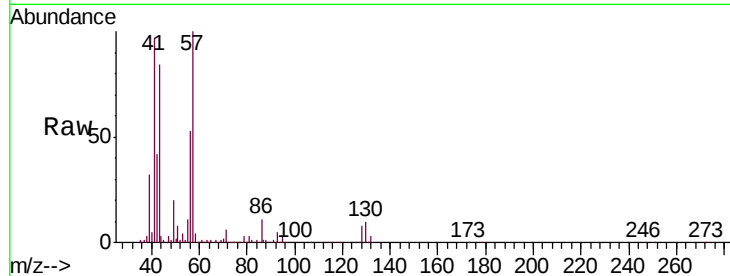




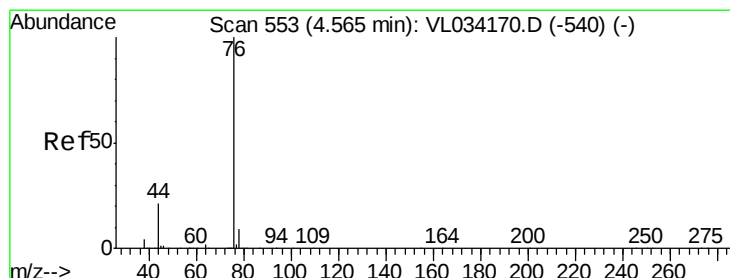
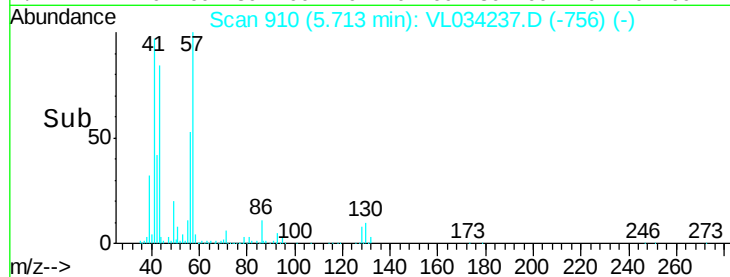
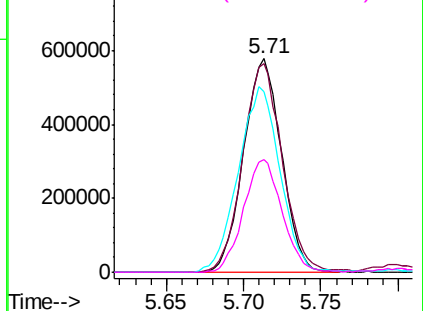
#26
Hexane
Concen: 8.386 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Instrument :
MSVOA_L
ClientSampled :
V-1

Tgt Ion:	57	Resp:	985054
Ion	Ratio	Lower	Upper
57	100		
41	102.7	78.5	117.7
43	95.0	189.5	284.3#
56	54.0	43.2	64.8

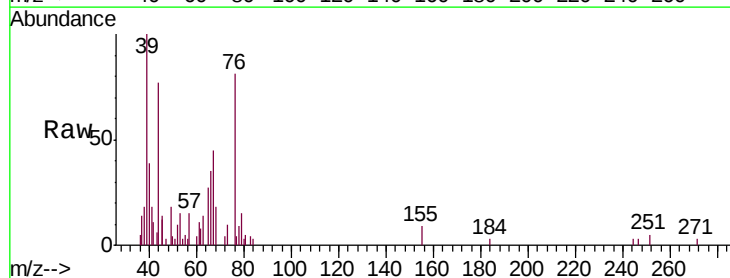


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

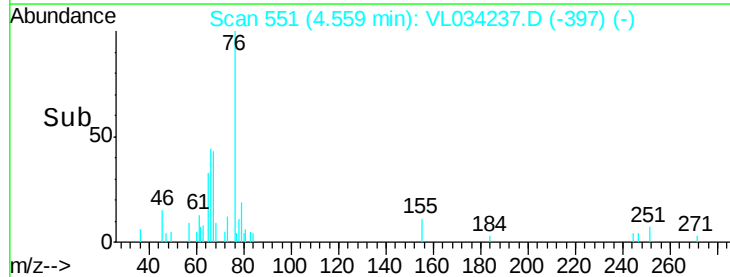
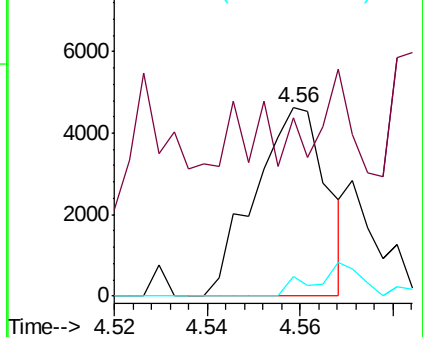


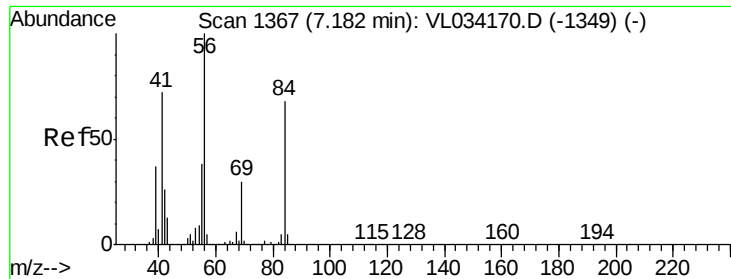
#27
Carbon Disulfide
Concen: 0.046 ppbv
RT: 4.56 min Scan# 551
Delta R.T. -0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion:	76	Resp:	4975
Ion	Ratio	Lower	Upper
76	100		
44	0.0	17.6	26.4#
78	0.0	7.6	11.4#



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

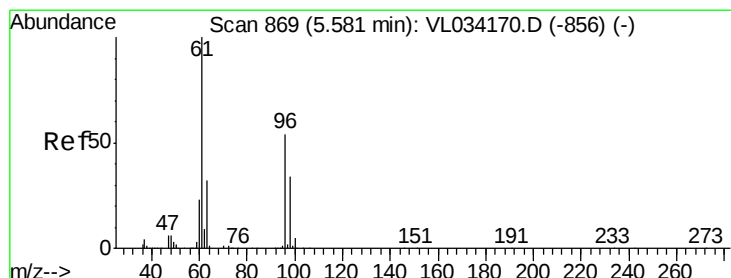
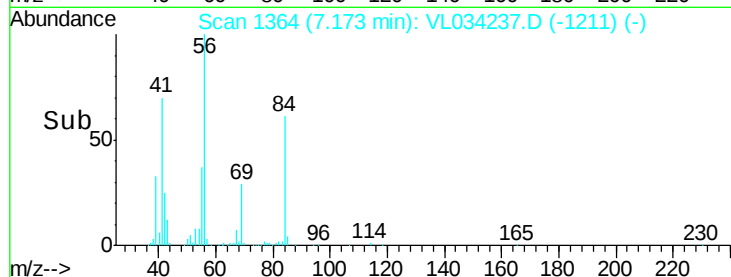
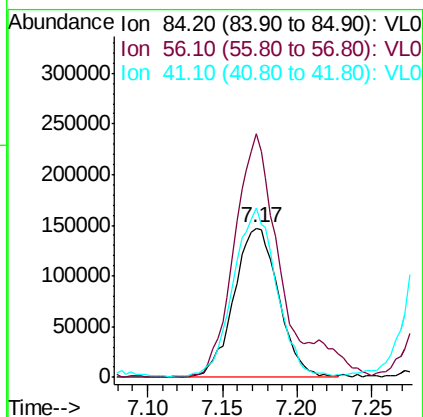
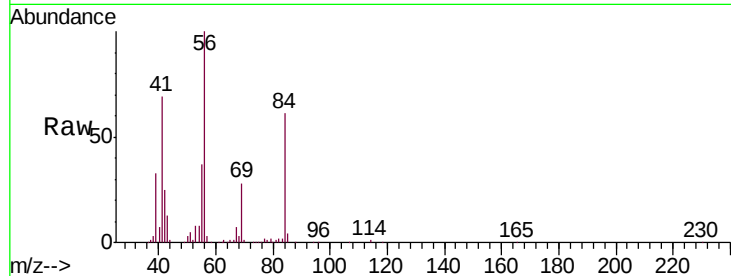




#30
Cyclohexane
Concen: 3.594 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

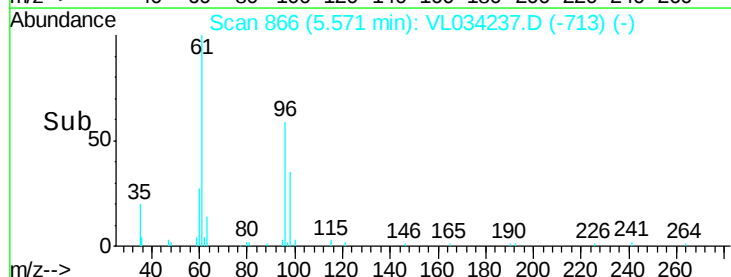
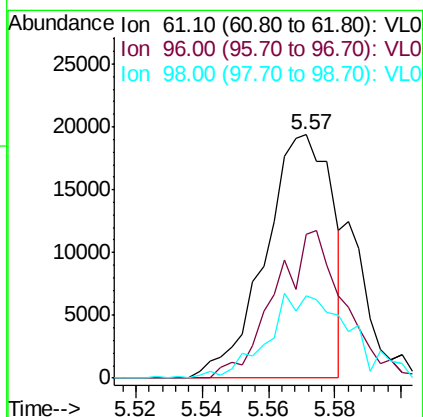
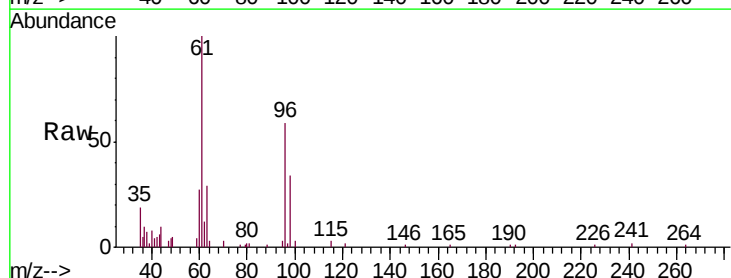
Instrument :
MSVOA_L
ClientSampleId :
V-1

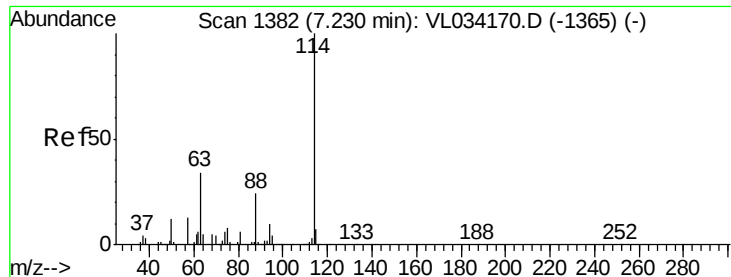
Tgt Ion: 84 Resp: 304790
Ion Ratio Lower Upper
84 100
56 171.0 126.2 189.2
41 107.5 85.8 128.8



#31
cis-1,2-Dichloroethene
Concen: 0.227 ppbv
RT: 5.57 min Scan# 866
Delta R.T. -0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 61 Resp: 27178
Ion Ratio Lower Upper
61 100
96 59.1 43.0 64.4
98 34.0 27.2 40.8

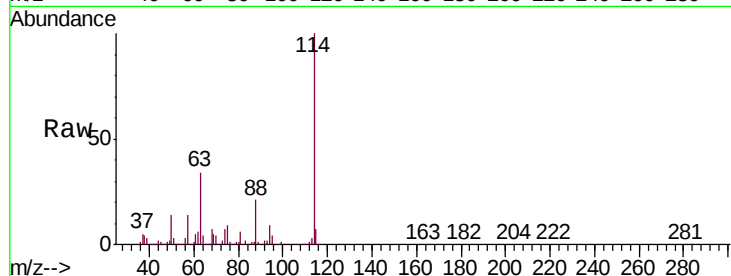




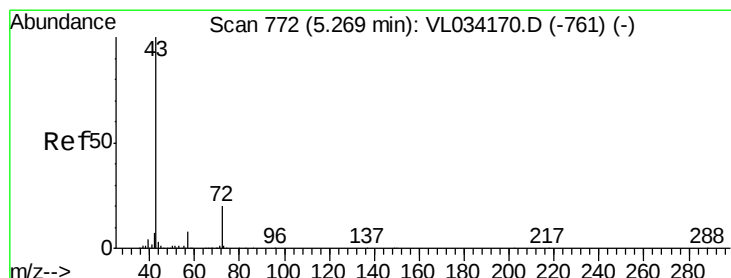
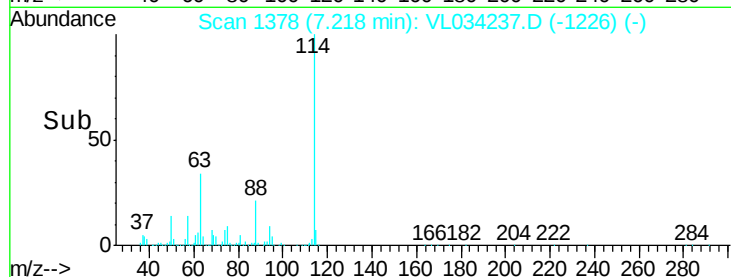
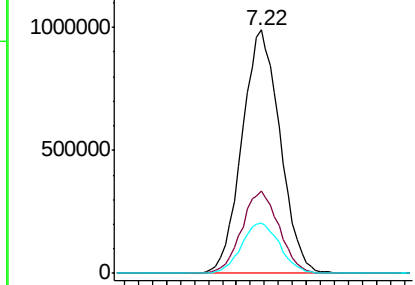
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: VL034237.D
 Acq: 8 Oct 2019 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 V-1

Tgt Ion:114 Resp: 1867438
 Ion Ratio Lower Upper
 114 100
 63 33.5 27.8 41.6
 88 21.0 17.1 25.7

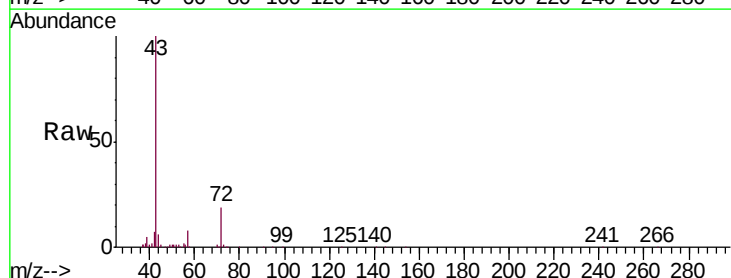


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

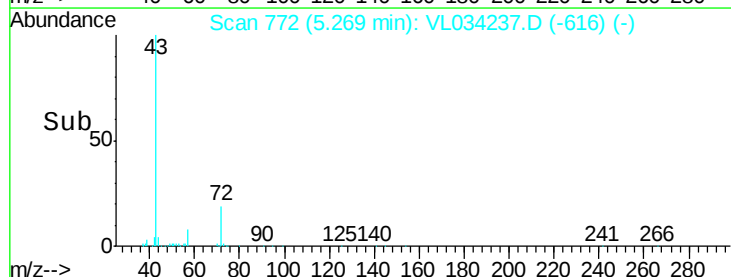
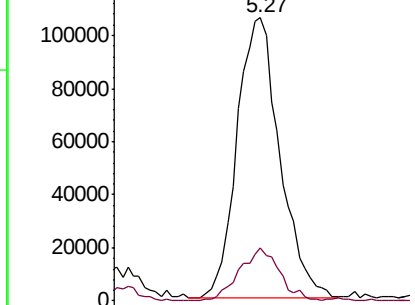


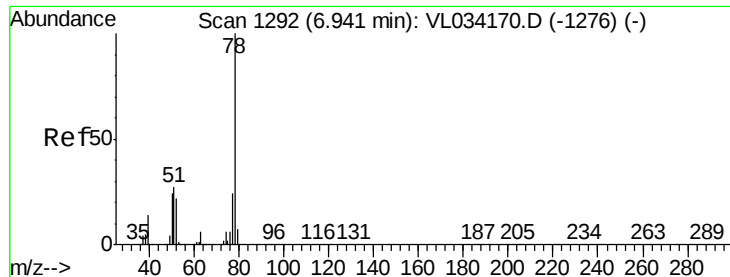
#34
 2-Butanone
 Concen: 0.961 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: VL034237.D
 Acq: 8 Oct 2019 00:57

Tgt Ion: 43 Resp: 183318
 Ion Ratio Lower Upper
 43 100
 72 18.1 15.0 22.6



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





#36

Benzene

Concen: 5.408 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

V-1

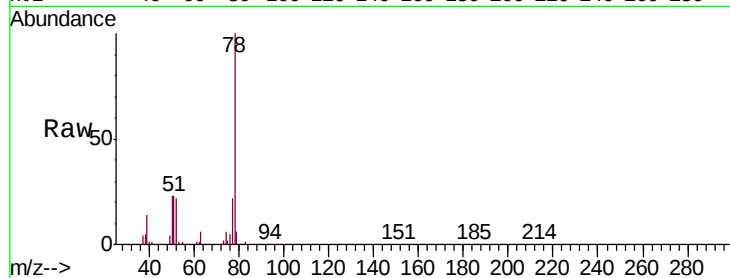
Tgt Ion: 78 Resp: 1115304

Ion Ratio Lower Upper

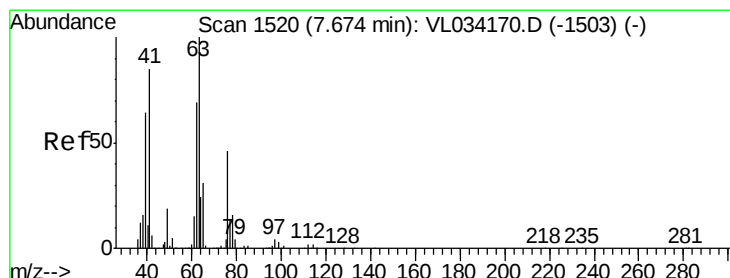
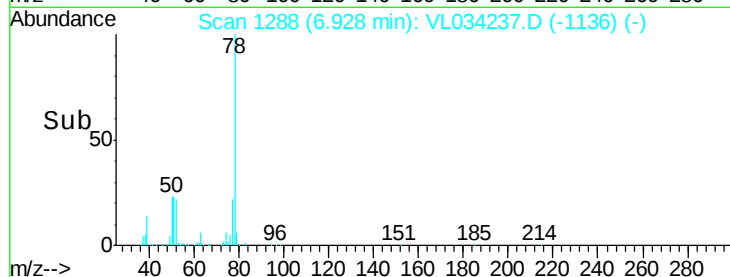
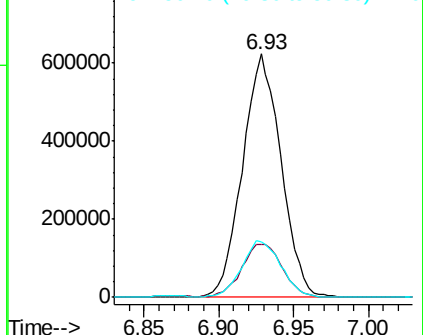
78 100

77 21.5 19.0 28.4

50 22.6 18.9 28.3



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: 6.612 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. -0.46 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

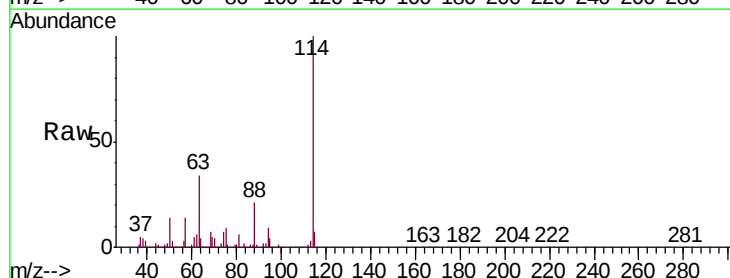
Tgt Ion: 63 Resp: 612752

Ion Ratio Lower Upper

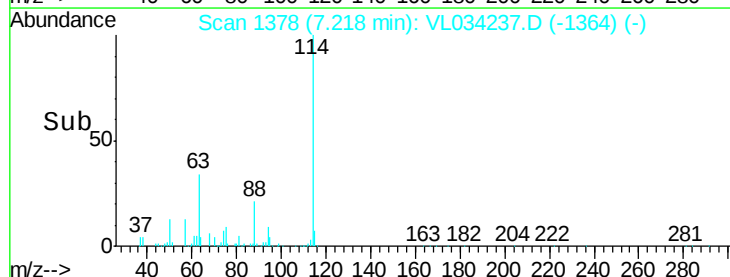
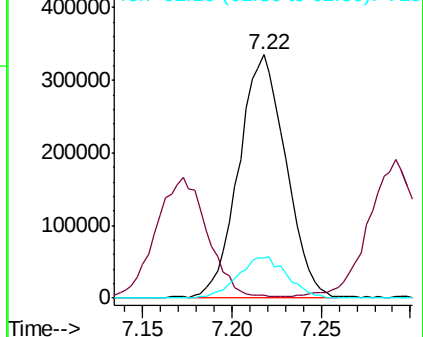
63 100

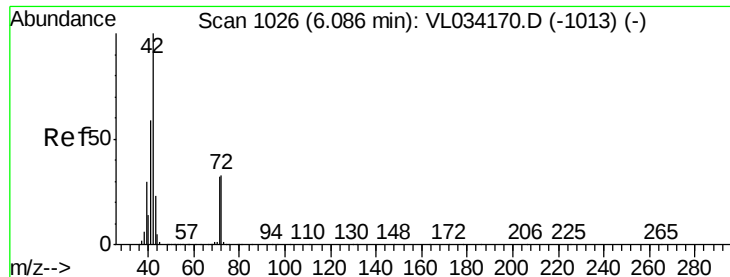
41 0.0 68.4 102.6#

62 16.1 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0

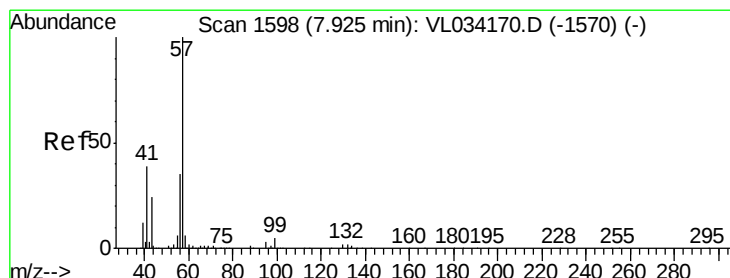
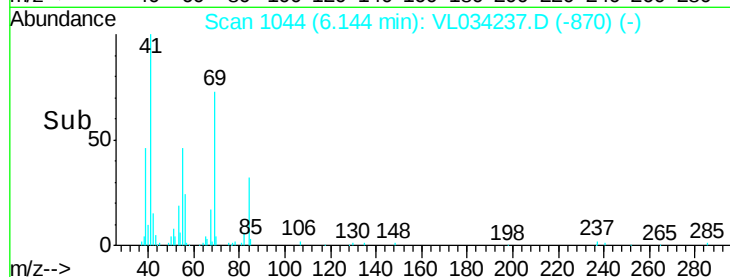
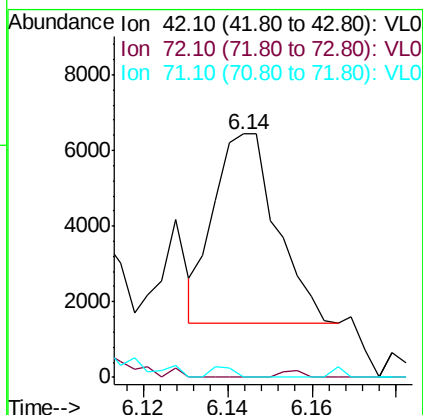
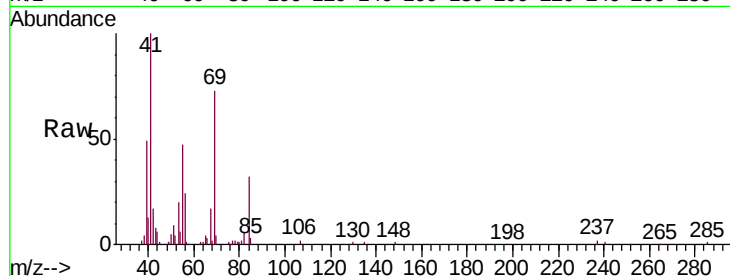




#41
Tetrahydrofuran
Concen: 0.048 ppbv
RT: 6.14 min Scan# 1044
Delta R.T. 0.06 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

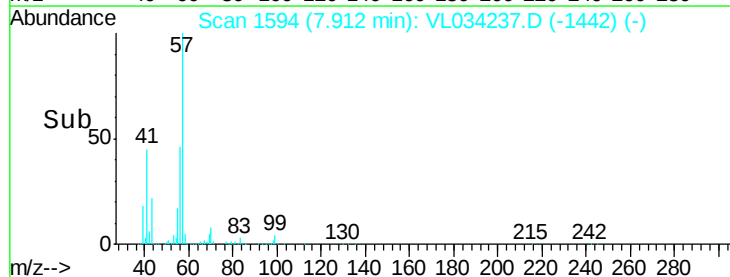
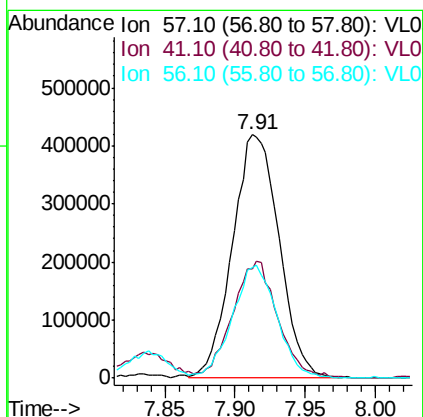
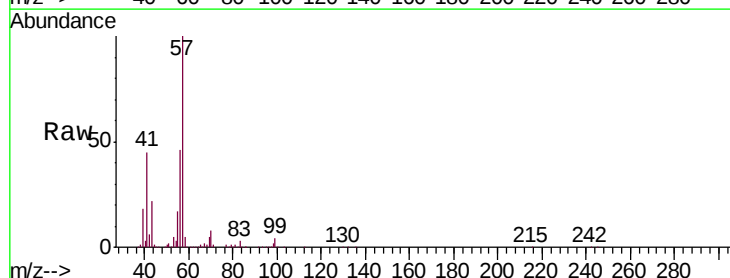
Instrument :
MSVOA_L
ClientSampleId :
V-1

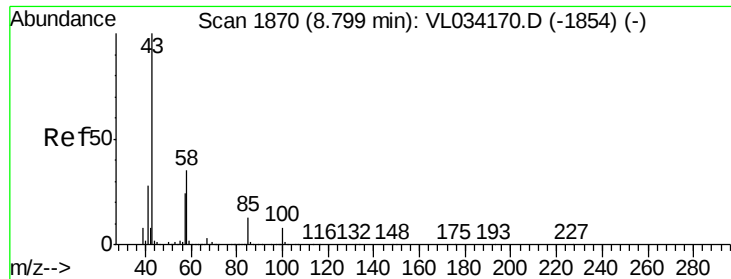
Tgt Ion: 42 Resp: 5155
Ion Ratio Lower Upper
42 100
72 54.1 26.6 40.0#
71 50.2 25.1 37.7#



#44
2,2,4-Trimethylpentane
Concen: 2.424 ppbv
RT: 7.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 57 Resp: 962520
Ion Ratio Lower Upper
57 100
41 46.6 29.8 44.6#
56 44.4 25.9 38.9#

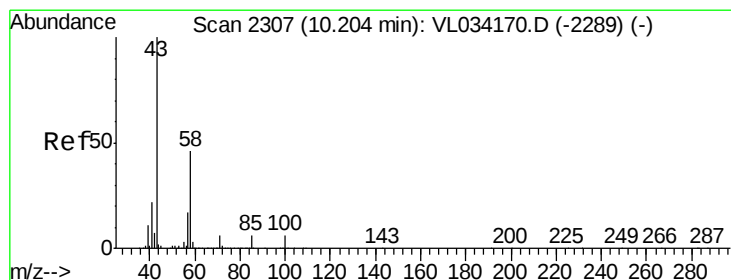
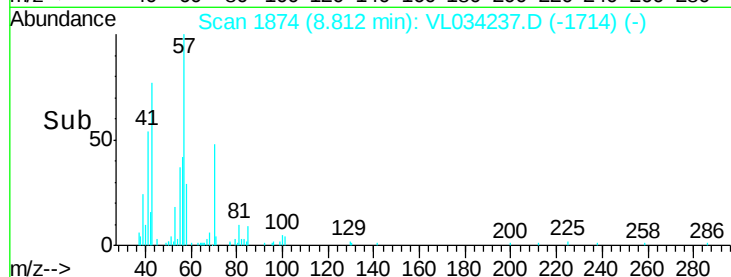
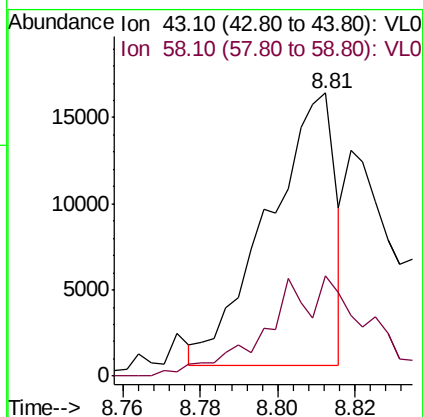
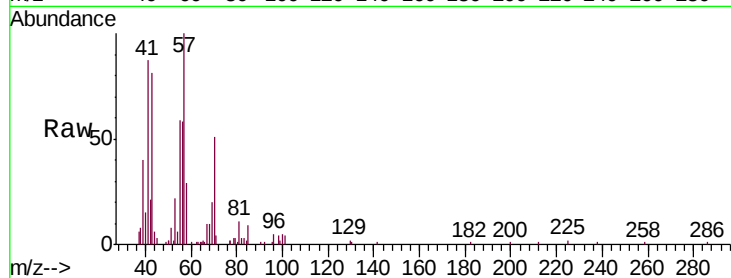




#50
 4-Methyl-2-Pentanone
 Concen: 0.068 ppbv
 RT: 8.81 min Scan# 1874
 Delta R.T. 0.01 min
 Lab File: VL034237.D
 Acq: 8 Oct 2019 00:57

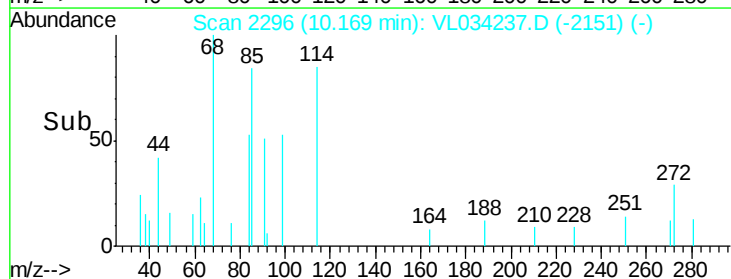
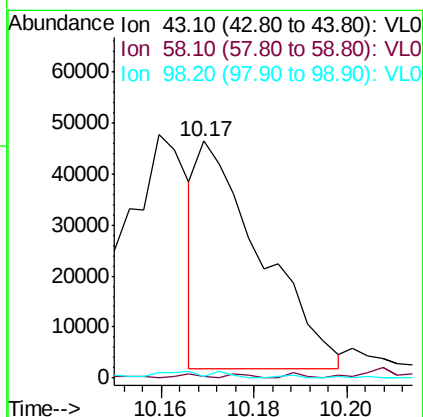
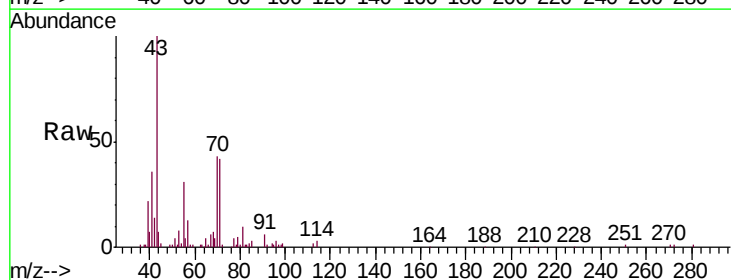
Instrument :
 MSVOA_L
 ClientSampleId :
 V-1

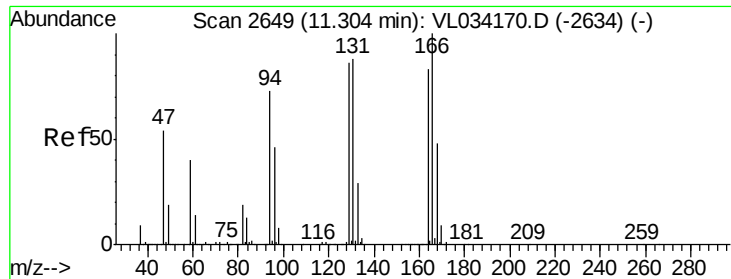
Tgt Ion: 43 Resp: 19006
 Ion Ratio Lower Upper
 43 100
 58 69.0 27.6 41.4#



#51
 2-Hexanone
 Concen: 0.181 ppbv
 RT: 10.17 min Scan# 2296
 Delta R.T. -0.04 min
 Lab File: VL034237.D
 Acq: 8 Oct 2019 00:57

Tgt Ion: 43 Resp: 42260
 Ion Ratio Lower Upper
 43 100
 58 8.3 36.2 54.4#
 98 0.8 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.273 ppbv

RT: 11.29 min Scan# 2645

Delta R.T. -0.01 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

V-1

Tgt Ion:164 Resp: 18617

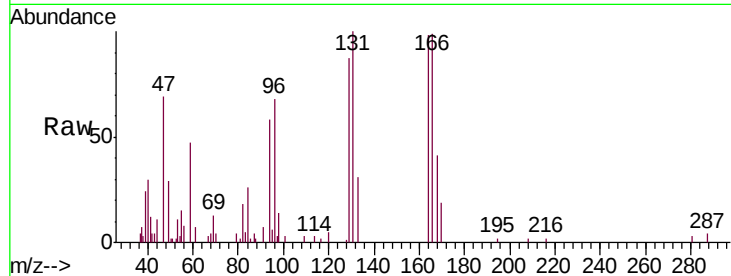
Ion Ratio Lower Upper

164 100

166 97.0 96.7 145.1

129 84.8 82.8 124.2

131 102.3 85.0 127.6



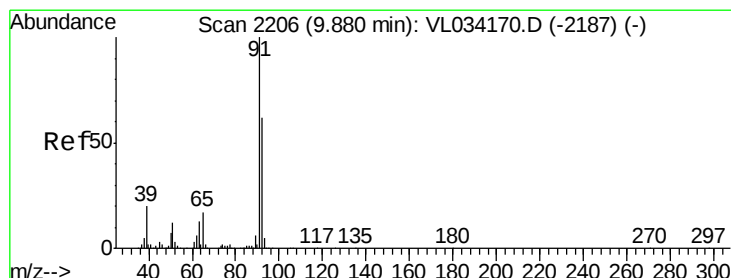
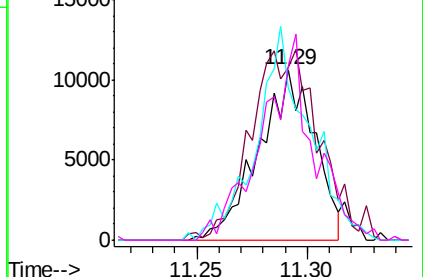
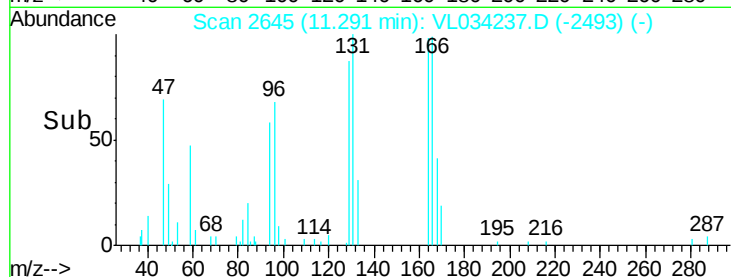
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



#53

Toluene

Concen: 17.799 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. -0.02 min

Lab File: VL034237.D

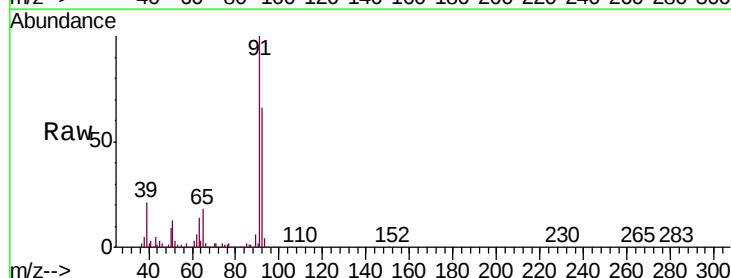
Acq: 8 Oct 2019 00:57

Tgt Ion: 91 Resp: 4011939

Ion Ratio Lower Upper

91 100

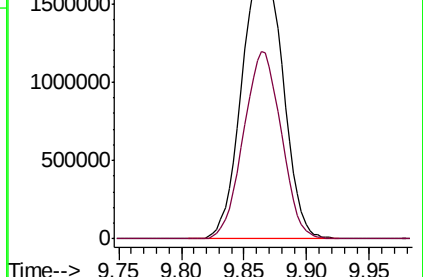
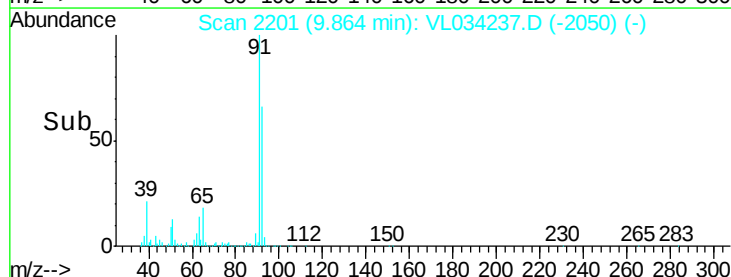
92 62.8 49.0 73.6

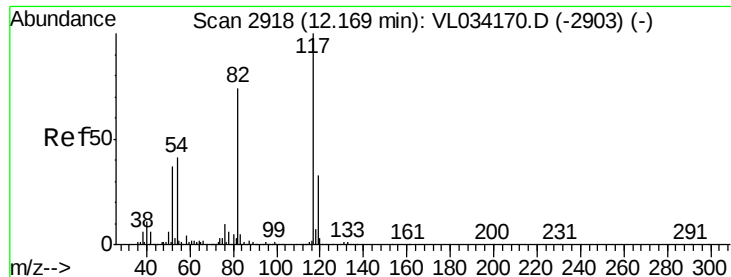


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Time-->

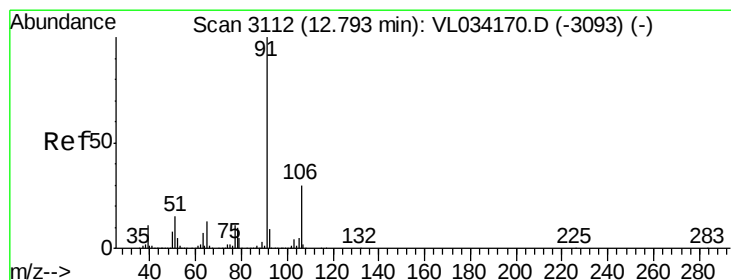
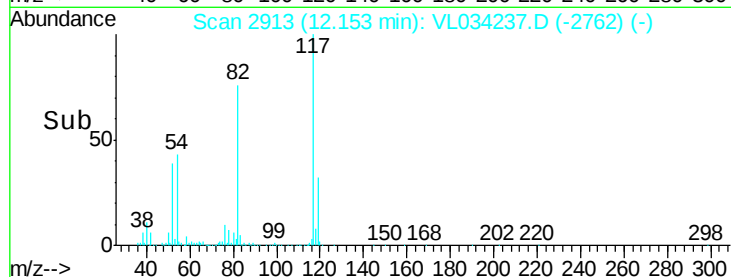
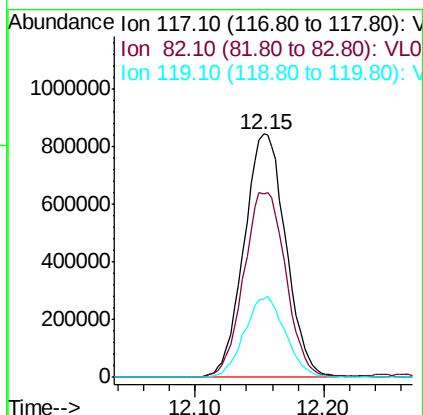
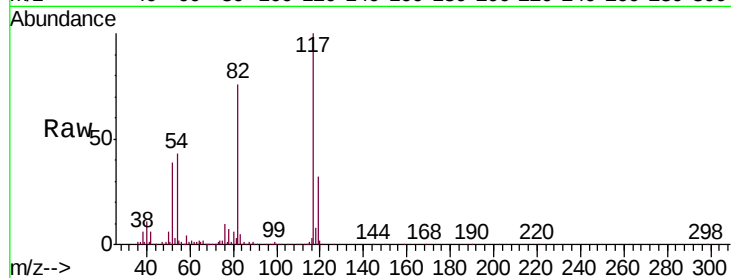




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.02 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

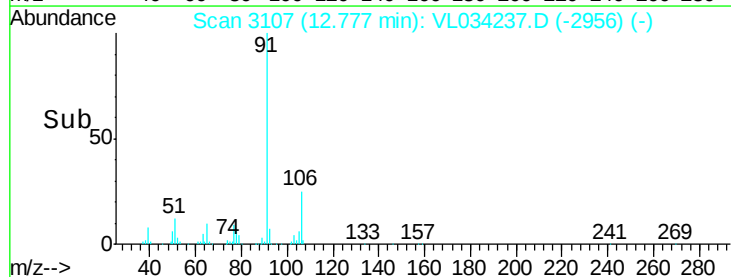
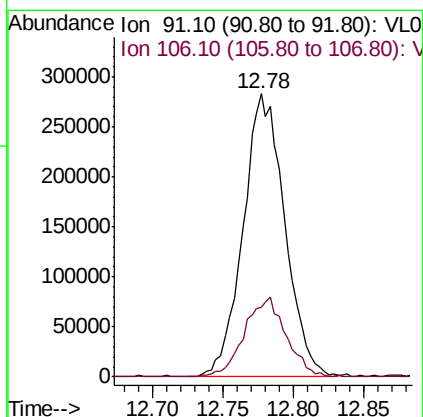
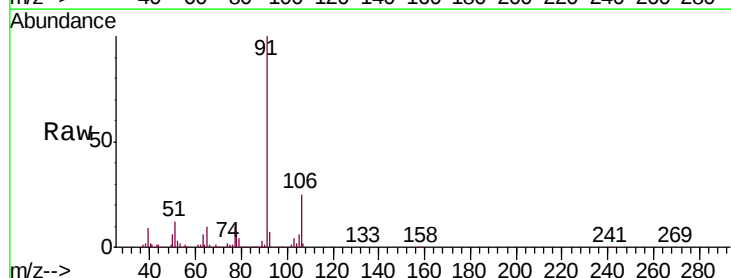
Instrument :
MSVOA_L
ClientSampleId :
V-1

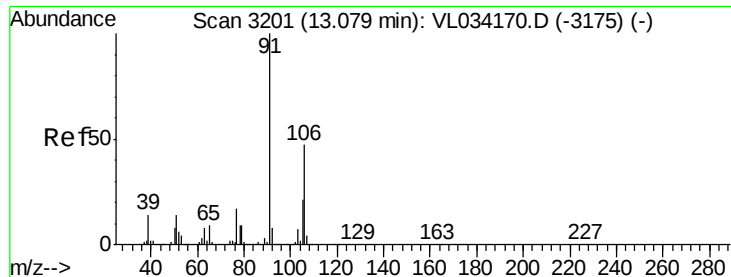
Tgt Ion:117 Resp: 1901601
Ion Ratio Lower Upper
117 100
82 76.7 58.2 87.4
119 32.5 23.7 35.5



#58
Ethyl Benzene
Concen: 1.906 ppbv
RT: 12.78 min Scan# 3107
Delta R.T. -0.02 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 91 Resp: 584677
Ion Ratio Lower Upper
91 100
106 24.7 24.2 36.4

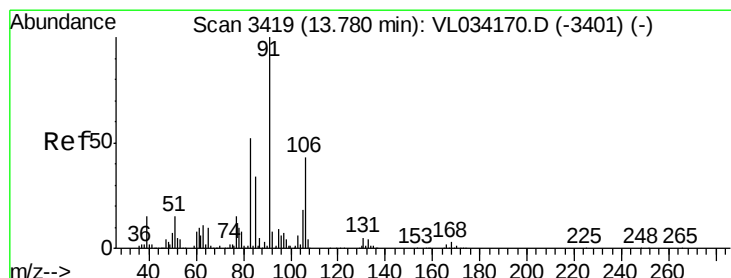
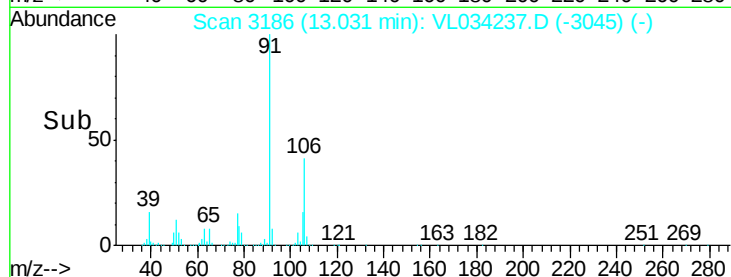
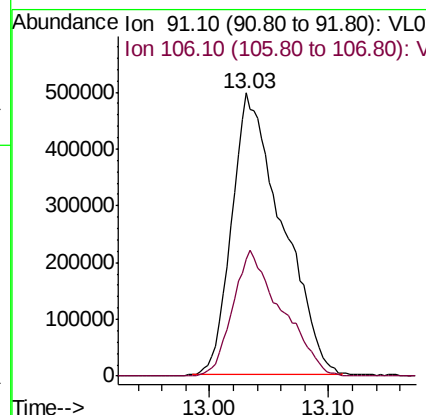
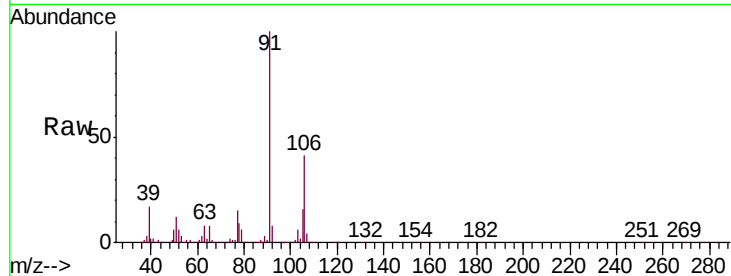




#59
m/p-Xylene
Concen: 5.723 ppbv
RT: 13.03 min Scan# 3186
Delta R.T. -0.05 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

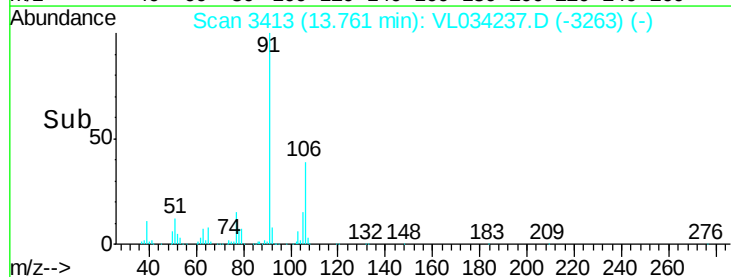
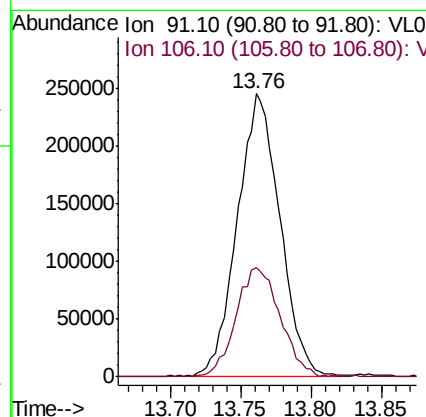
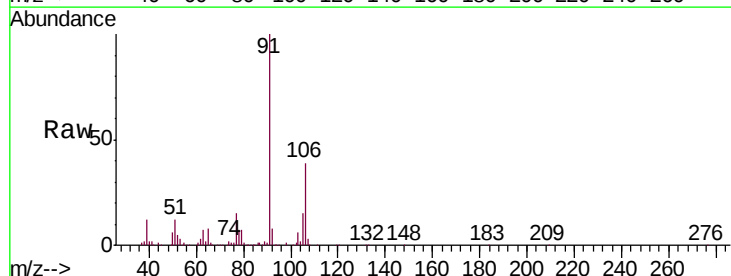
Instrument :
MSVOA_L
ClientSampleId :
V-1

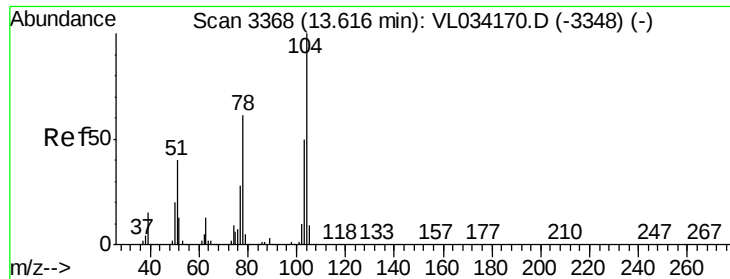
Tgt Ion: 91 Resp: 1454553
Ion Ratio Lower Upper
91 100
106 43.4 35.5 53.3



#60
o-Xylene
Concen: 2.020 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.02 min
Lab File: VL034237.D
Acq: 8 Oct 2019 00:57

Tgt Ion: 91 Resp: 513360
Ion Ratio Lower Upper
91 100
106 40.7 21.2 63.6





#61

Styrene

Concen: 0.119 ppbv

RT: 13.60 min Scan# 3363

Delta R.T. -0.02 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

V-1

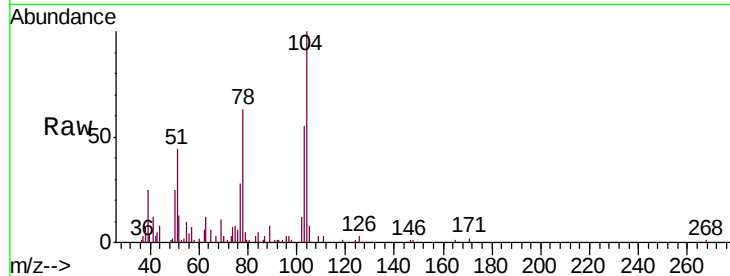
Tgt Ion:104 Resp: 21709

Ion Ratio Lower Upper

104 100

78 132.4 49.7 74.5#

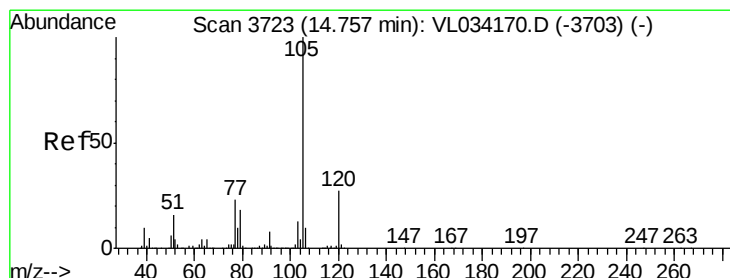
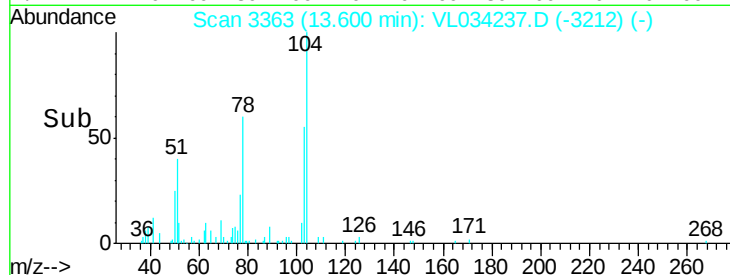
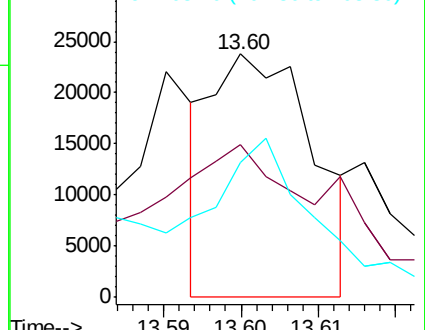
103 107.4 38.4 57.6#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.060 ppbv

RT: 14.74 min Scan# 3718

Delta R.T. -0.02 min

Lab File: VL034237.D

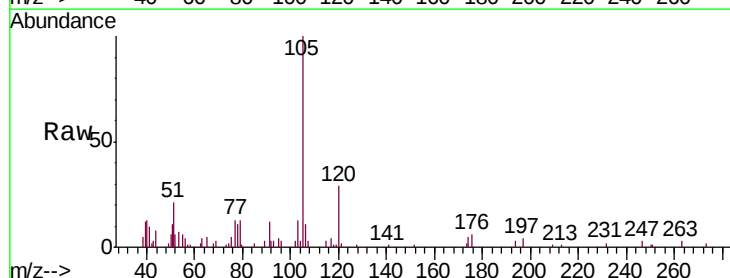
Acq: 8 Oct 2019 00:57

Tgt Ion:105 Resp: 19797

Ion Ratio Lower Upper

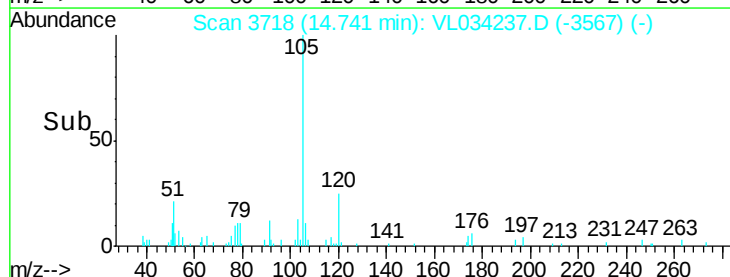
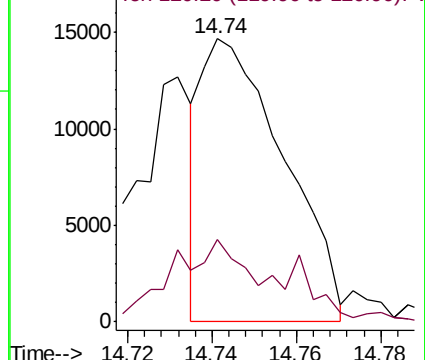
105 100

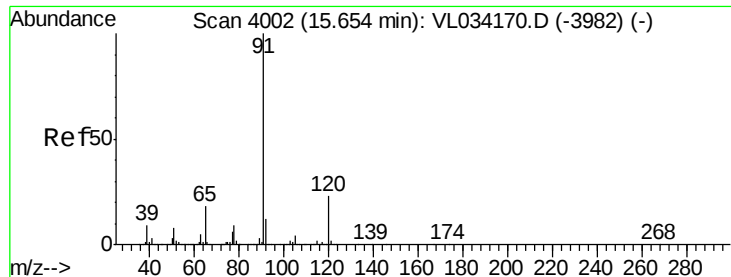
120 41.3 20.7 31.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.139 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. -0.02 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampled :

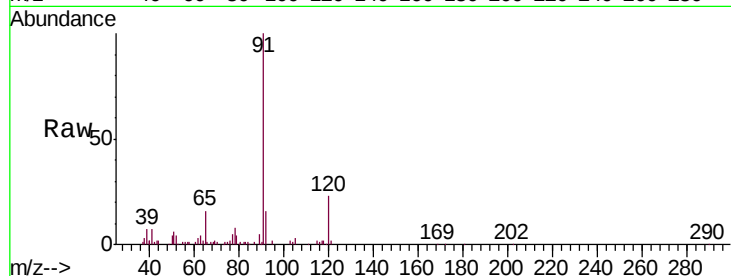
V-1

Tgt Ion:120 Resp: 11539

Ion Ratio Lower Upper

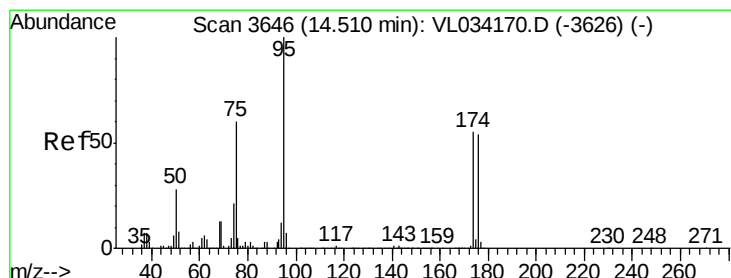
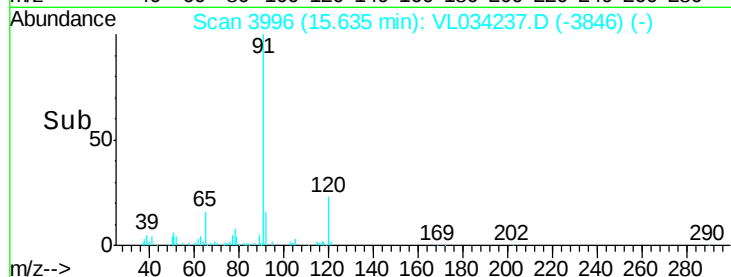
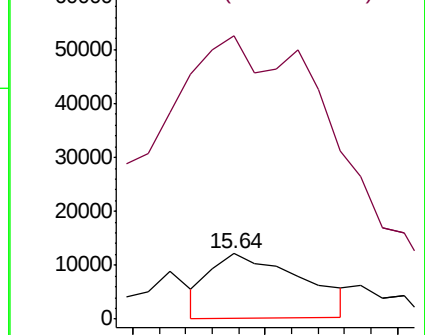
120 100

91 1057.0 378.2 567.2#



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: 10.160 ppbv

RT: 14.49 min Scan# 3640

Delta R.T. -0.02 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

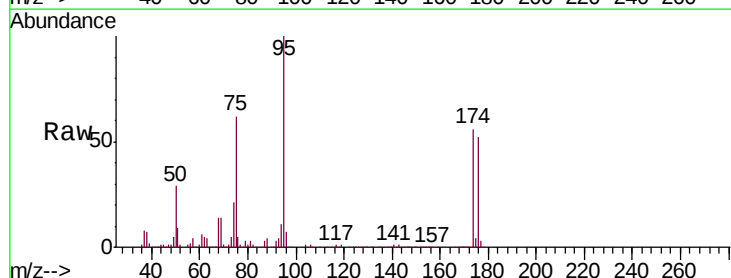
Tgt Ion: 95 Resp: 1678771

Ion Ratio Lower Upper

95 100

174 56.8 45.1 67.7

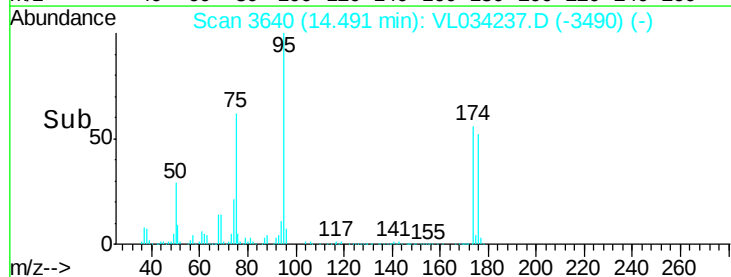
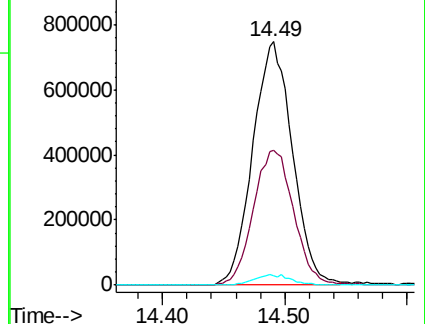
175 4.1 3.3 4.9

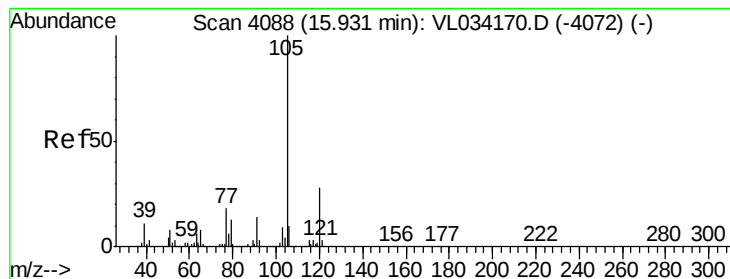


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.293 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. -0.02 min

Lab File: VL034237.D

Acq: 8 Oct 2019 00:57

Instrument :

MSVOA_L

ClientSampleId :

V-1

Tgt Ion:105 Resp: 84006

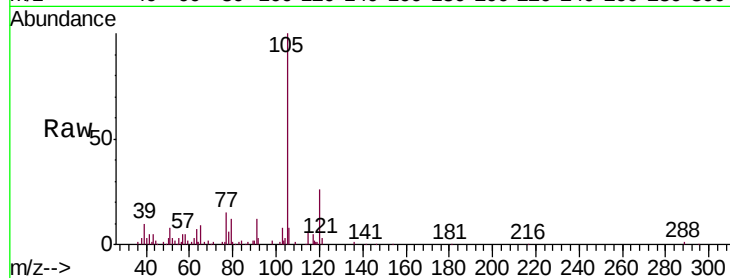
Ion Ratio Lower Upper

105 100

120 0.0 23.3 34.9#

91 0.0 11.4 17.2#

77 0.0 13.3 19.9#

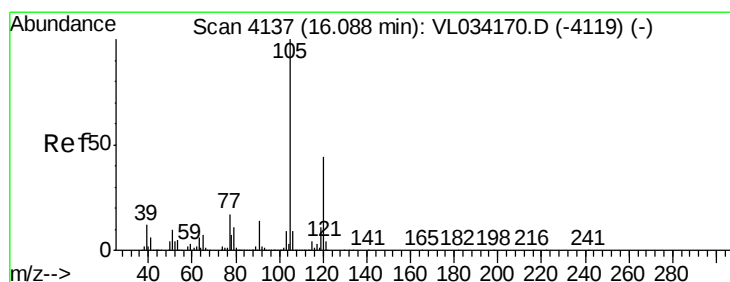
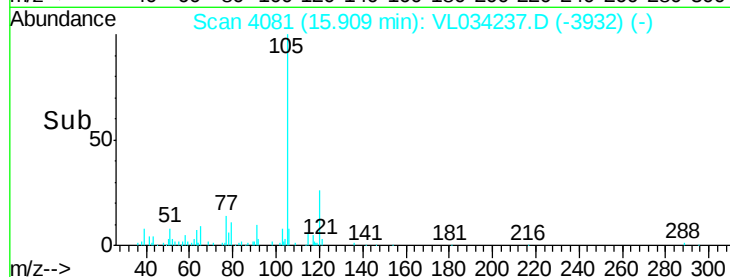
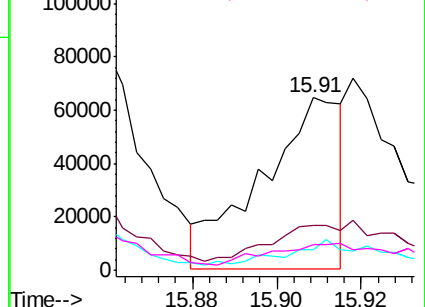


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.375 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. -0.02 min

Lab File: VL034237.D

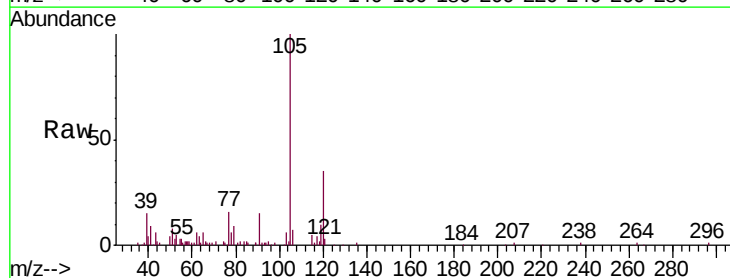
Acq: 8 Oct 2019 00:57

Tgt Ion:105 Resp: 103956

Ion Ratio Lower Upper

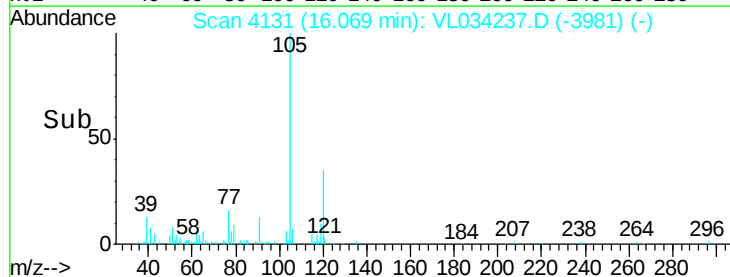
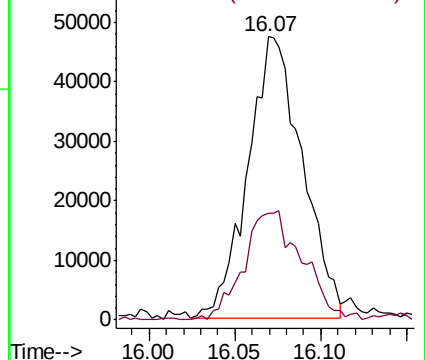
105 100

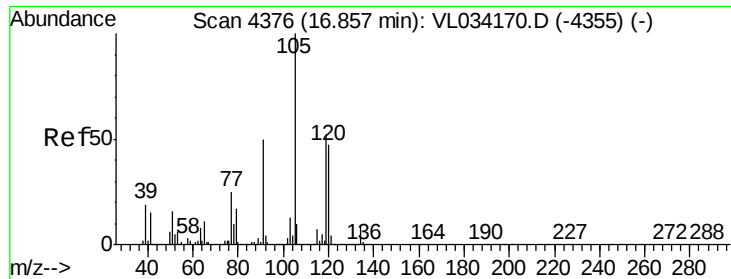
120 38.0 35.6 53.4



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: 0.856 ppbv
 RT: 16.84 min Scan# 4370
 Delta R.T. -0.02 min
 Lab File: VL034237.D
 Acq: 8 Oct 2019 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 V-1

Tgt Ion:	105	Resp:	251965
Ion	Ratio	Lower	Upper
105	100		
120	42.6	37.5	56.3
91	14.3	41.1	61.7#
77	13.2	19.9	29.9#

