

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034768.D
 Acq On : 3 Mar 2020 17:49
 Operator : SY/AP
 Sample : L1704-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 05:47:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1021182	10.00	ppbv	0.05
33) 1,4-Difluorobenzene	7.24	114	2174156	10.00	ppbv	0.05
55) Chlorobenzene-d5	12.16	117	2263144	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1915633	10.32	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	42517	0.264	ppbv 91
3) Chlorodifluoromethane	3.01	51	10585	0.096	ppbv # 57
8) Dichlorotetrafluoroethane	3.17	85	2897	0.020	ppbv # 82
9) Propene	3.18	41	189435	4.112	ppbv 99
10) Heptane	8.18	43	9069417	76.488	ppbv 90
11) Trichlorofluoromethane	3.94	101	45618	0.323	ppbv 93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2369	0.024	ppbv # 1
13) Ethanol	3.64	45	469671	32.274	ppbv 96
15) Acetone	3.87	43	26442634	227.240	ppbv # 20
16) 1,3-Butadiene	3.34	39	358504	6.655	ppbv # 9
17) tert-Butyl alcohol	4.33	59	37730	0.423	ppbv # 1
19) Isopropyl Alcohol	4.01	45	149791	2.161	ppbv # 94
20) Methylene Chloride	4.38	84	133452	3.084	ppbv 98
23) Vinyl Acetate	5.11	43	476518	3.012	ppbv # 79
25) Ethyl Acetate	5.71	43	1109495	5.386	ppbv # 87
26) Hexane	5.71	57	1108435	11.675	ppbv # 54
29) Chloroform	5.81	83	18871	0.125	ppbv 99
30) Cyclohexane	7.17	84	786305	10.687	ppbv 94
31) cis-1,2-Dichloroethene	5.60	61	2164	0.023	ppbv # 55
34) 2-Butanone	5.29	43	400461	2.926	ppbv 98
35) Carbon Tetrachloride	7.08	117	3765	0.026	ppbv # 60
36) Benzene	6.94	78	66758	0.356	ppbv 99
37) 1,2-Dichloroethane	6.36	62	4510	0.038	ppbv # 82
39) 1,2-Dichloropropane	7.54	63	62070	0.831	ppbv # 1
41) Tetrahydrofuran	6.24	42	36245	0.502	ppbv # 67
42) Bromodichloromethane	7.84	83	305304	1.970	ppbv # 27
43) Methyl Methacrylate	8.17	69	120799	1.529	ppbv # 1
44) 2,2,4-Trimethylpentane	7.92	57	305135	0.930	ppbv # 1
50) 4-Methyl-2-Pentanone	8.83	43	42498	0.219	ppbv # 39
51) 2-Hexanone	10.25	43	4041	0.026	ppbv # 69
53) Toluene	9.90	91	20497939	102.632	ppbv # 66
58) Ethyl Benzene	12.78	91	594312	2.171	ppbv 93
59) m/p-Xylene	13.06	91	448309	1.877	ppbv # 32
60) o-Xylene	13.76	91	918830	3.877	ppbv 97
61) Styrene	13.60	104	5514	0.036	ppbv # 1
62) Isopropylbenzene	14.74	105	304606	0.881	ppbv 100
64) n-propylbenzene	15.63	120	435689	4.889	ppbv 82
65) tert-Butylbenzene	16.84	119	535374	1.793	ppbv # 69
66) Benzyl Chloride	17.29	91	79966	0.718	ppbv # 68
67) sec-Butylbenzene	17.37	105	46761	0.109	ppbv # 36
69) p-Isopropyltoluene	17.73	119	24847	0.070	ppbv # 87

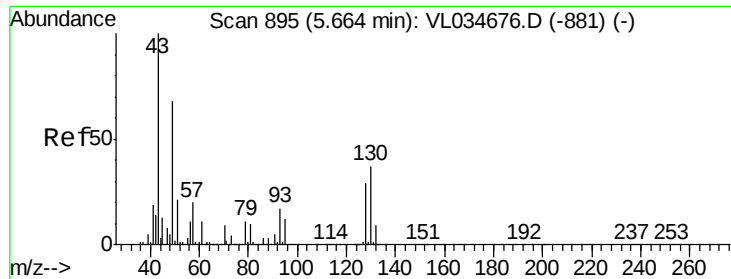
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
Data File : VL034768.D
Acq On : 3 Mar 2020 17:49
Operator : SY/AP
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Instrument :
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Quant Time: Mar 04 05:47:36 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) n-Butylbenzene	18.63	91	111105	0.289	ppbv #	47
71) 2-Chlorotoluene	15.63	91	2196055	8.202	ppbv #	46
72) 4-Ethyltoluene	15.91	105	2288847	8.678	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	1790568	7.057	ppbv	97
74) 1,2,4-Trimethylbenzene	16.83	105	4658493	16.624	ppbv #	70
79) Naphthalene	22.30	128	217310	0.881	ppbv #	97
80) Naphthalene,2-methyl-	25.04	142	28850	0.379	ppbv #	90

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.72 min Scan# 912

Delta R.T. 0.05 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :
MSVOA_L
ClientSampleId :

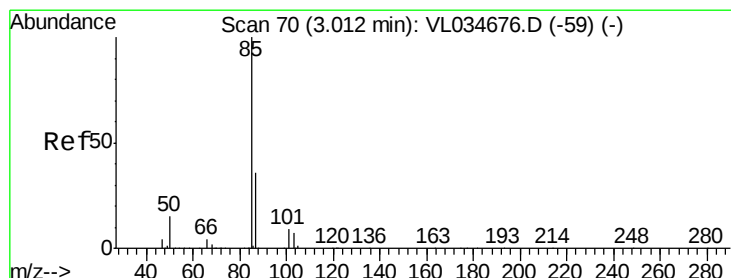
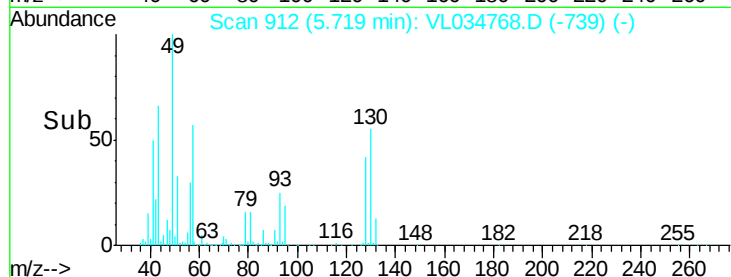
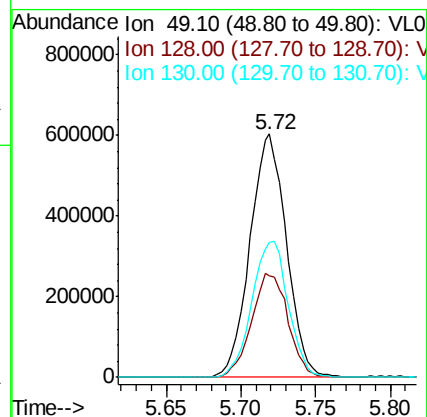
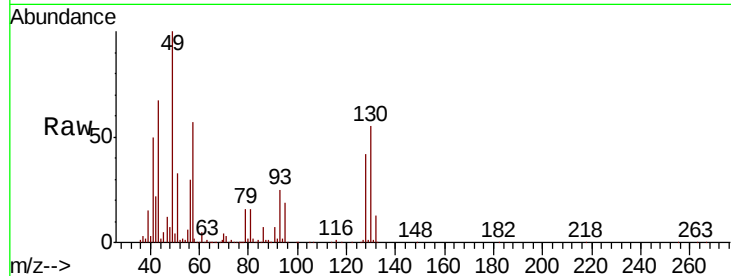
Tot Ion: 49 Resp: 1021182

Ion Ratio Lower Upper

49 100

128 42.8 21.6 65.0

130 55.8 27.7 83.1



#2

Dichlorodifluoromethane

Concen: 0.264 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.02 min

Lab File: VL034768.D

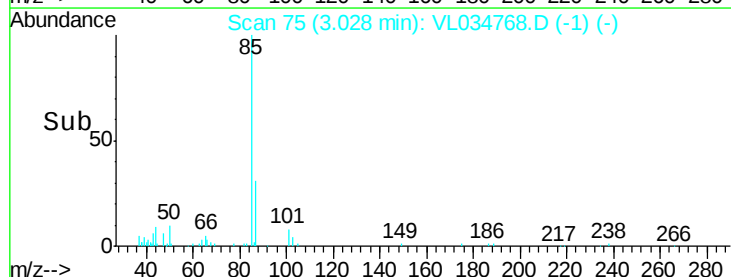
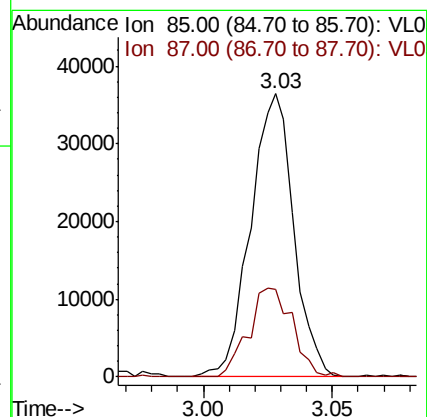
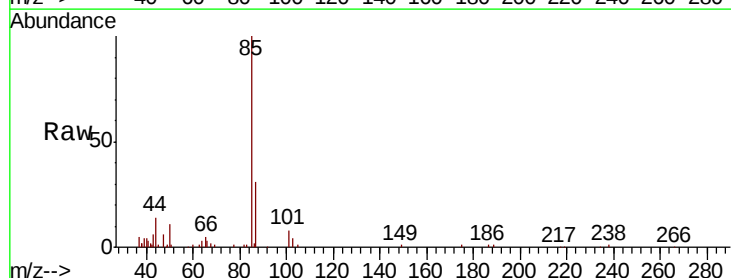
Acq: 3 Mar 2020 17:49

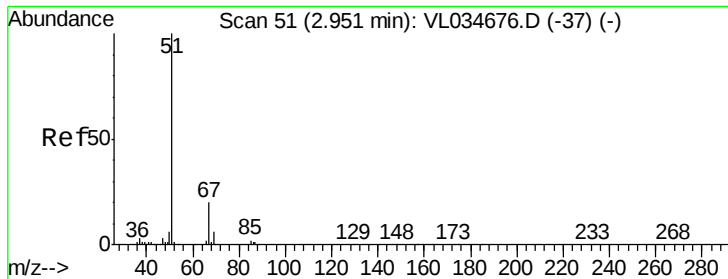
Tgt Ion: 85 Resp: 42517

Ion Ratio Lower Upper

85 100

87 31.0 29.2 43.8





#3

Chlorodifluoromethane

Concen: 0.096 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.05 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

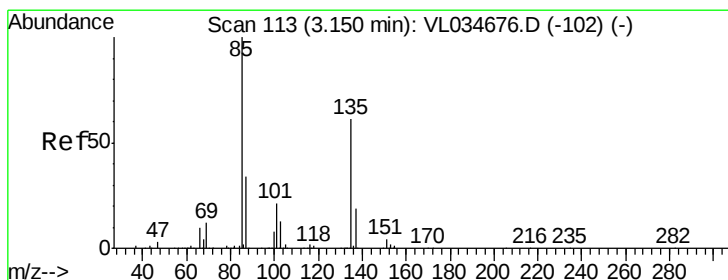
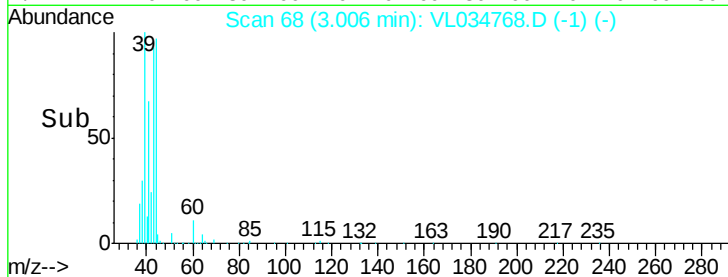
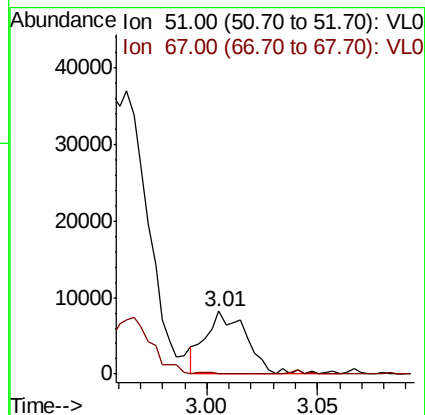
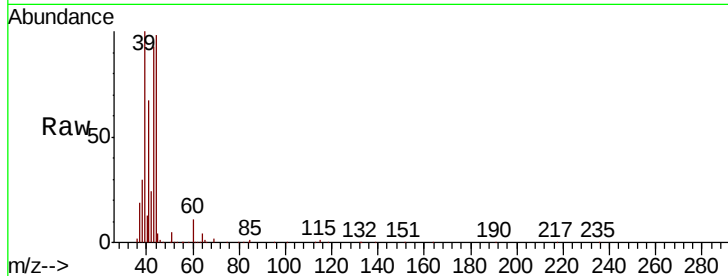
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 10585

Ion Ratio Lower Upper

51 100

67 0.0 15.5 23.3#



#8

Dichlorotetrafluoroethane

Concen: 0.020 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.02 min

Lab File: VL034768.D

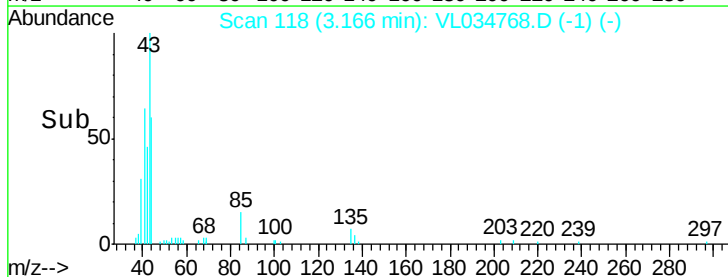
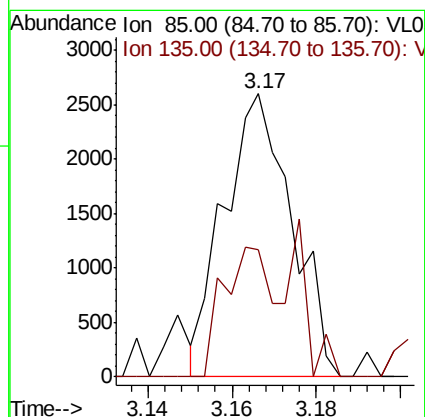
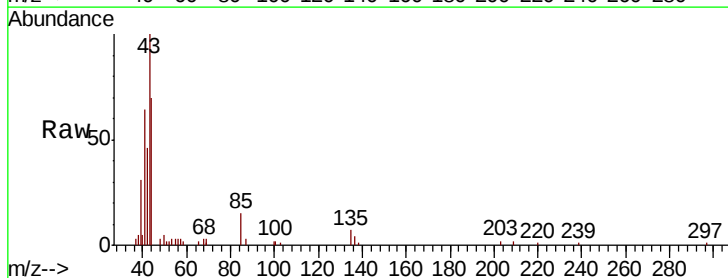
Acq: 3 Mar 2020 17:49

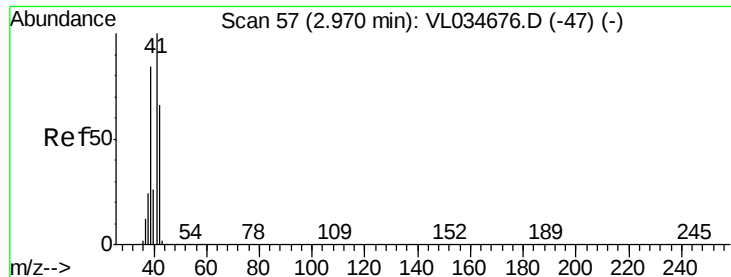
Tgt Ion: 85 Resp: 2897

Ion Ratio Lower Upper

85 100

135 48.1 49.8 74.6#





#9

Propene

Concen: 4.112 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.21 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

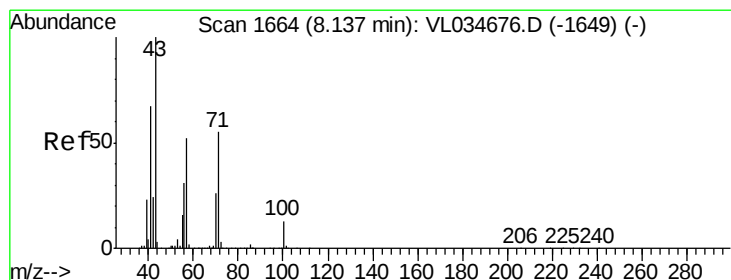
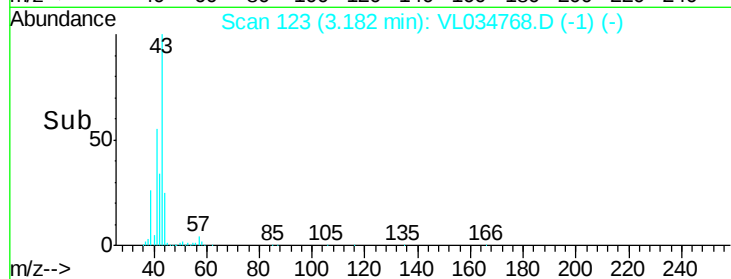
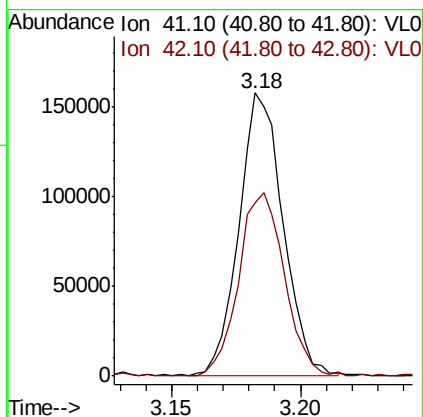
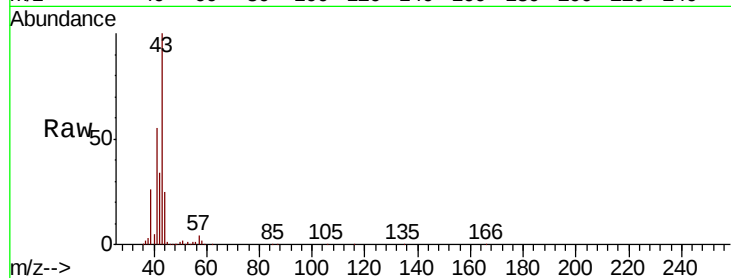
ClientSampleId :

Tot Ion: 41 Resp: 189435

Ion Ratio Lower Upper

41 100

42 67.6 54.9 82.3



#10

Heptane

Concen: 76.488 ppbv

RT: 8.18 min Scan# 1678

Delta R.T. 0.05 min

Lab File: VL034768.D

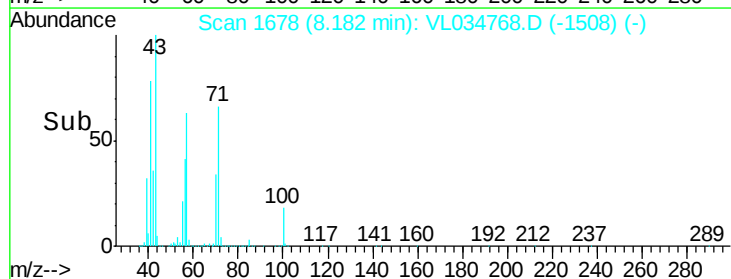
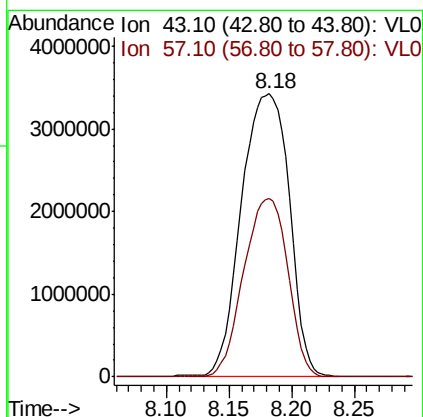
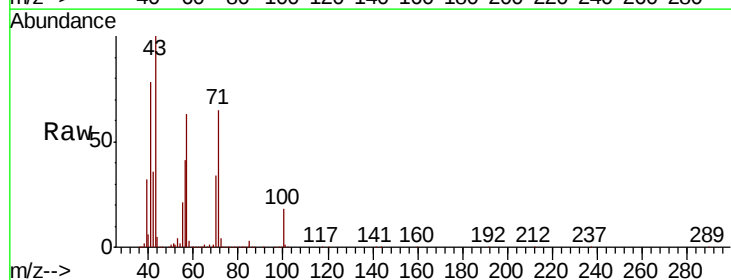
Acq: 3 Mar 2020 17:49

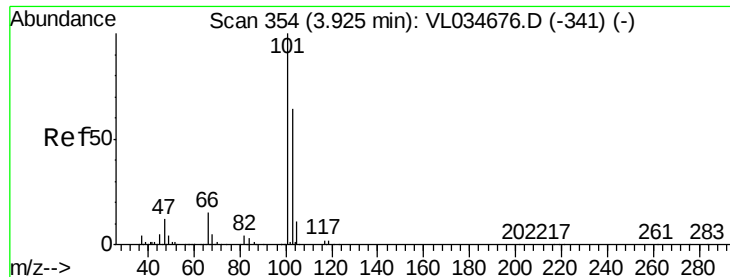
Tgt Ion: 43 Resp: 9069417

Ion Ratio Lower Upper

43 100

57 58.4 41.0 61.6

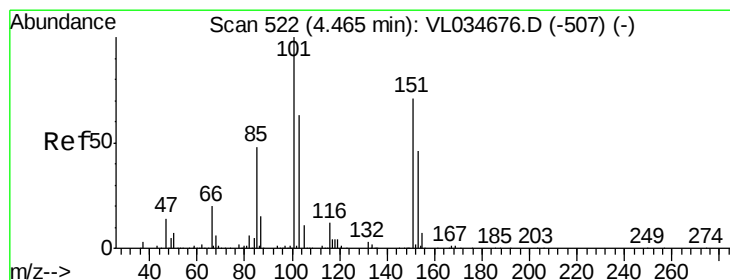
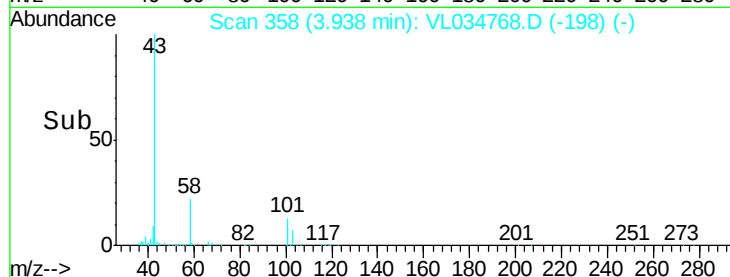
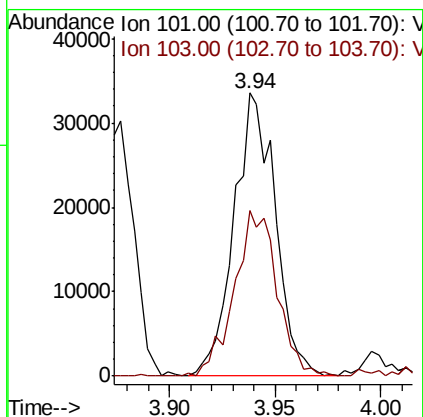
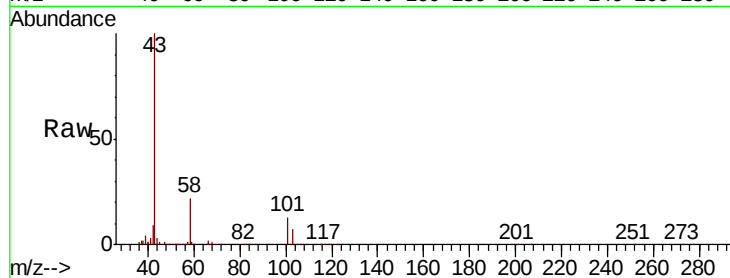




#11
 Trichlorofluoromethane
 Concen: 0.323 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

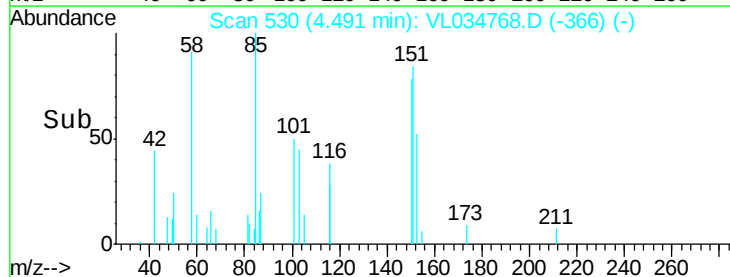
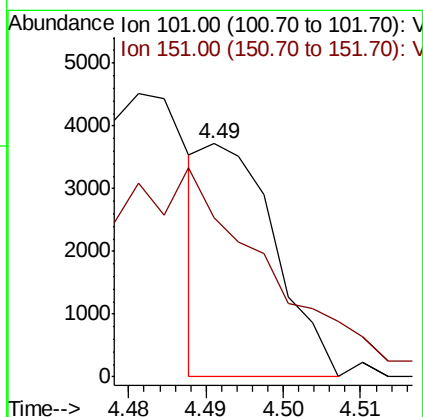
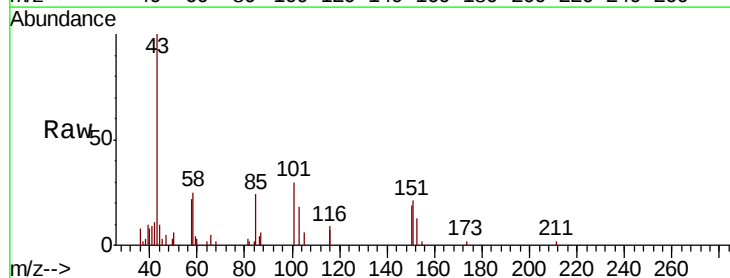
Instrument :
 MSVOA_L
 ClientSampleId :

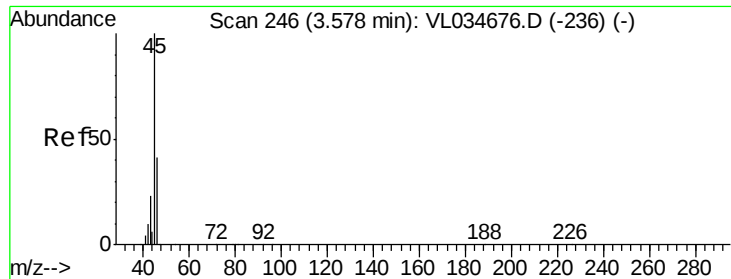
Tot Ion:101 Resp: 45618
 Ion Ratio Lower Upper
 101 100
 103 58.4 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.024 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. 0.03 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

Tgt Ion:101 Resp: 2369
 Ion Ratio Lower Upper
 101 100
 151 217.3 55.8 83.6#





#13

Ethanol

Concen: 32.274 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.06 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

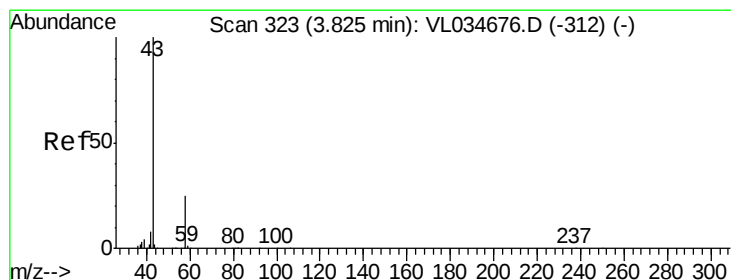
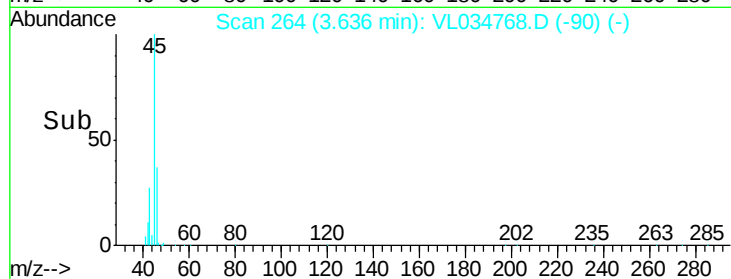
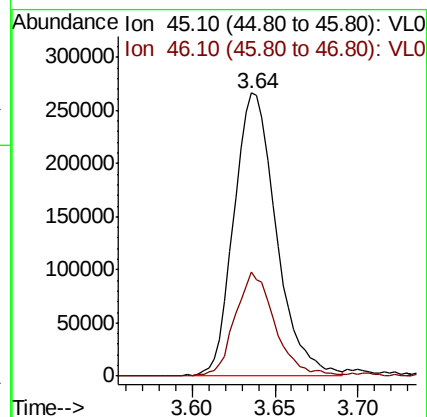
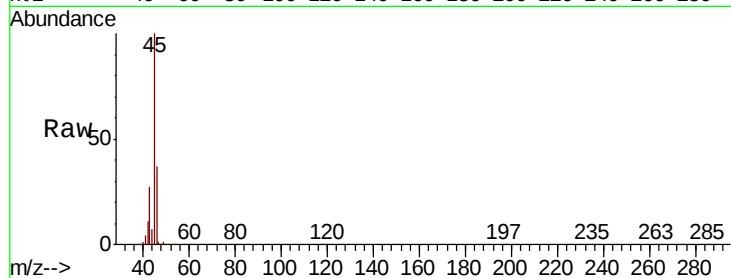
ClientSampleId :

Tot Ion: 45 Resp: 469671

Ion Ratio Lower Upper

45 100

46 35.7 15.4 61.4



#15

Acetone

Concen: 227.240 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.05 min

Lab File: VL034768.D

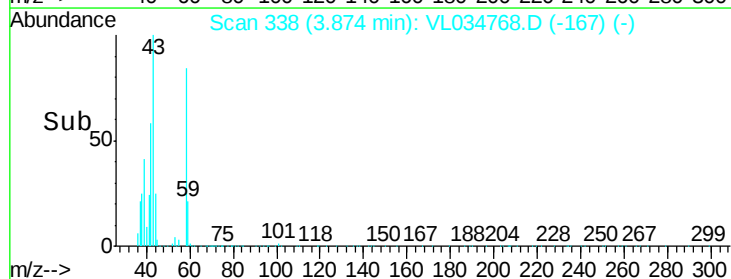
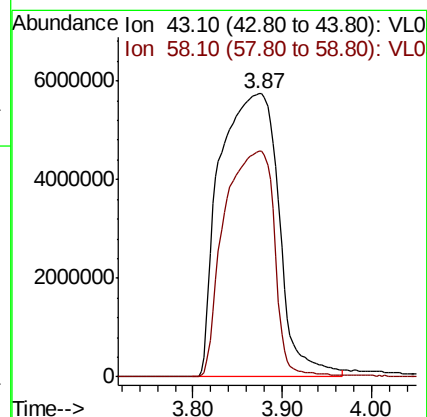
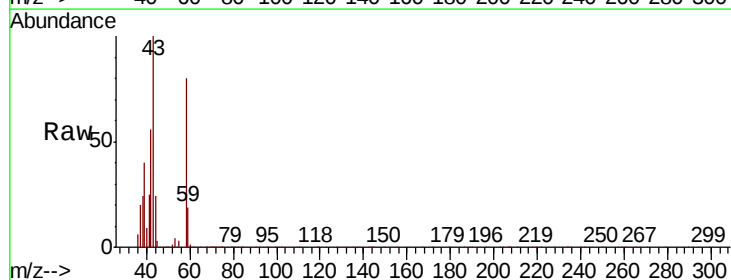
Acq: 3 Mar 2020 17:49

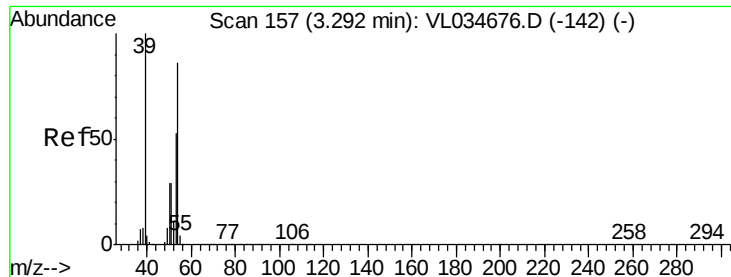
Tgt Ion: 43 Resp: 26442634

Ion Ratio Lower Upper

43 100

58 67.9 21.4 32.0#





#16

1,3-Butadiene

Concen: 6.655 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.05 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

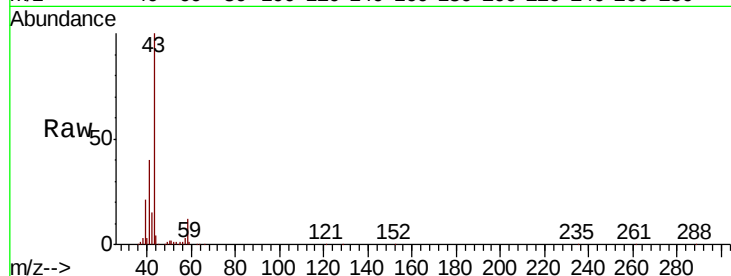
ClientSampleId :

Tot Ion: 39 Resp: 358504

Ion Ratio Lower Upper

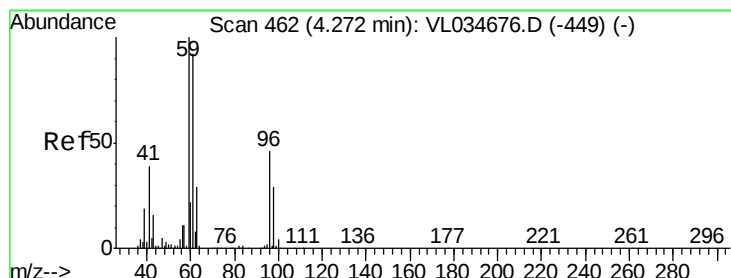
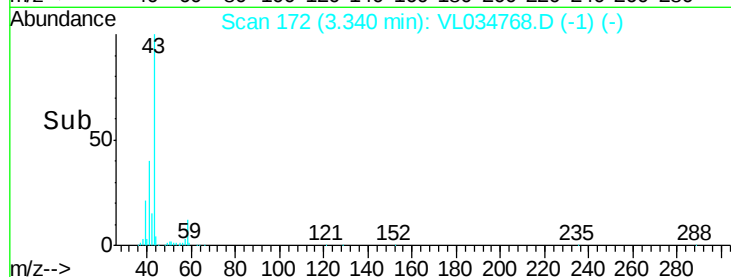
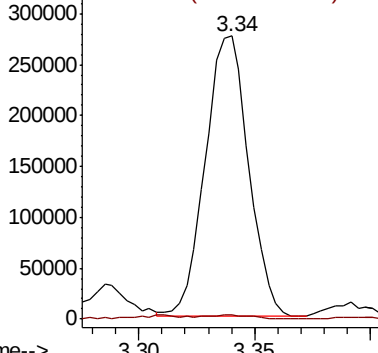
39 100

54 1.6 67.0 100.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



#17

tert-Butyl alcohol

Concen: 0.423 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.06 min

Lab File: VL034768.D

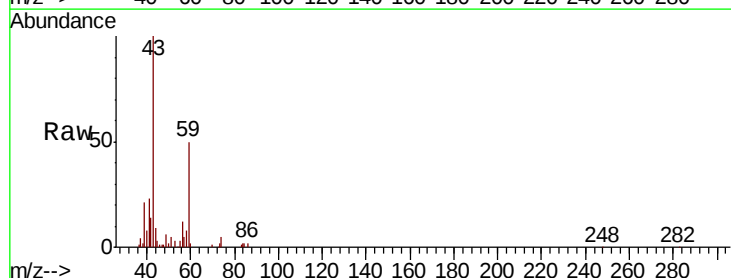
Acq: 3 Mar 2020 17:49

Tgt Ion: 59 Resp: 37730

Ion Ratio Lower Upper

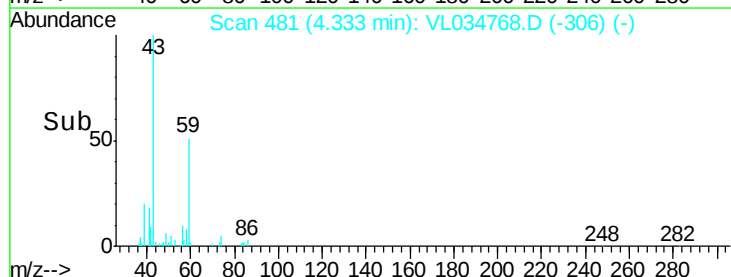
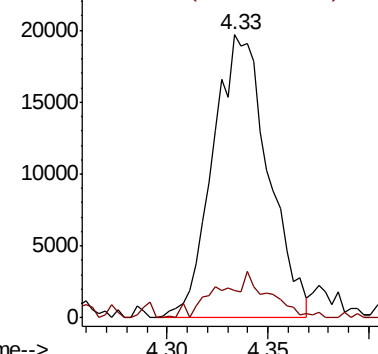
59 100

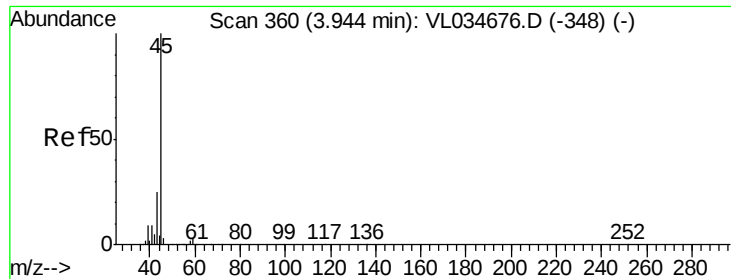
57 55.1 8.8 13.2#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#19

Isopropyl Alcohol

Concen: 2.161 ppbv

RT: 4.01 min Scan# 379

Delta R.T. 0.06 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

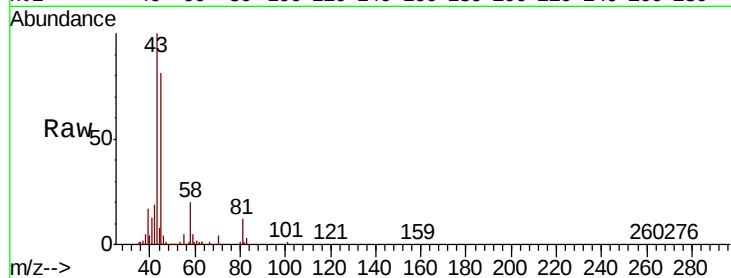
ClientSampleId :

Tot Ion: 45 Resp: 149791

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.01

100000

80000

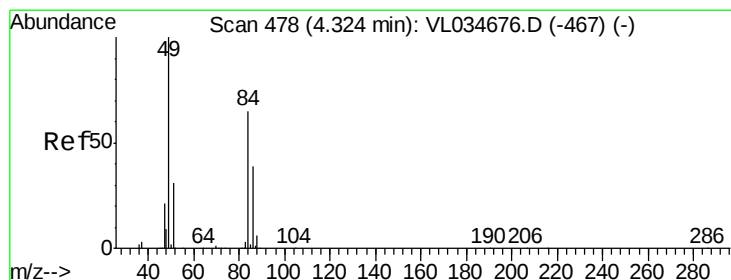
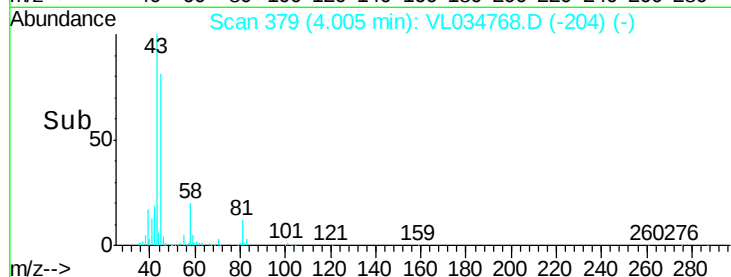
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 3.084 ppbv

RT: 4.38 min Scan# 495

Delta R.T. 0.05 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Tgt Ion: 84 Resp: 133452

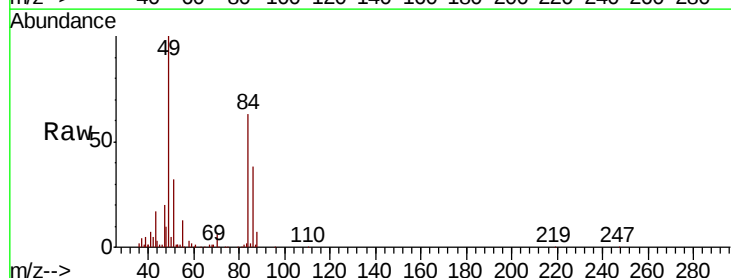
Ion Ratio Lower Upper

84 100

49 157.1 122.8 184.2

51 50.3 38.6 58.0

86 60.3 47.7 71.5



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

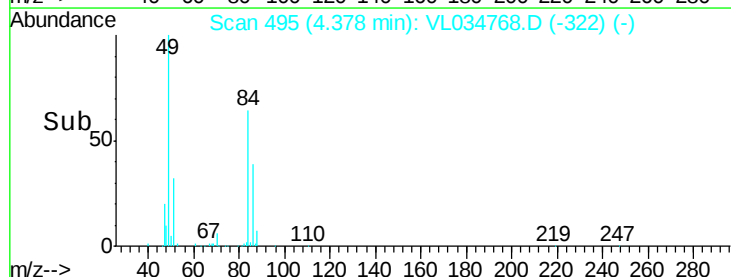
150000

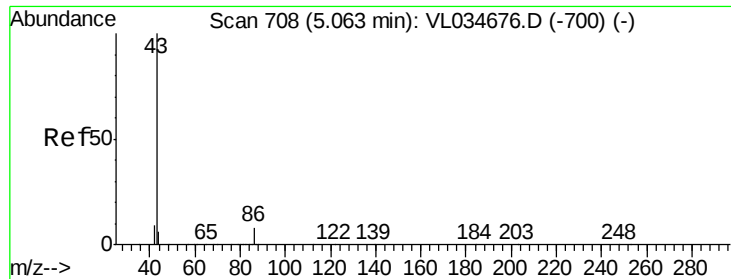
100000

50000

0

Time-->

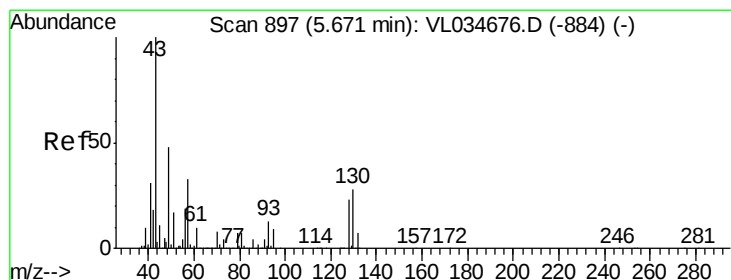
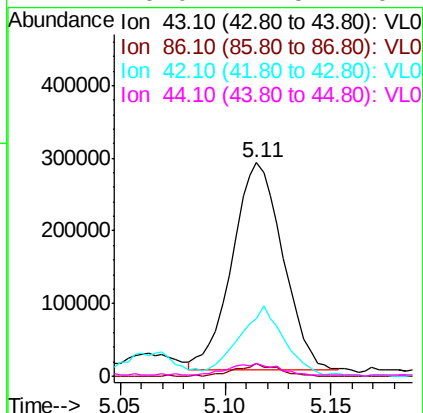
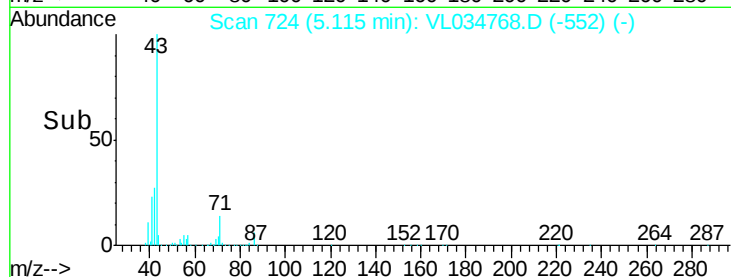
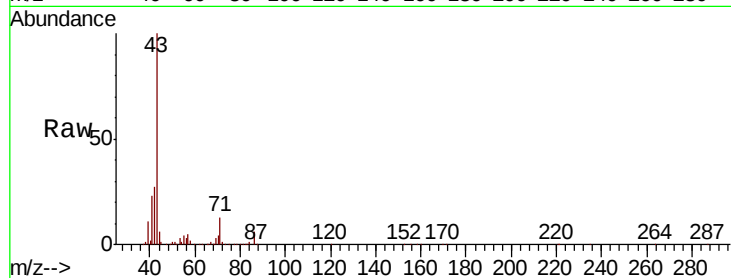




#23
 Vinyl Acetate
 Concen: 3.012 ppbv
 RT: 5.11 min Scan# 724
 Delta R.T. 0.05 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

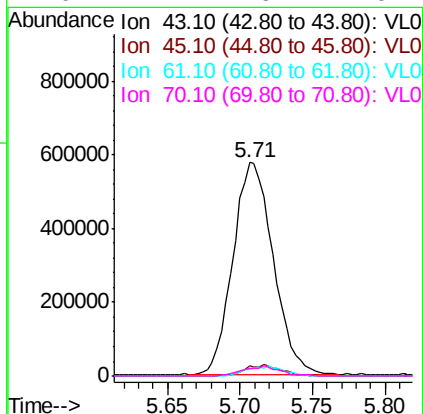
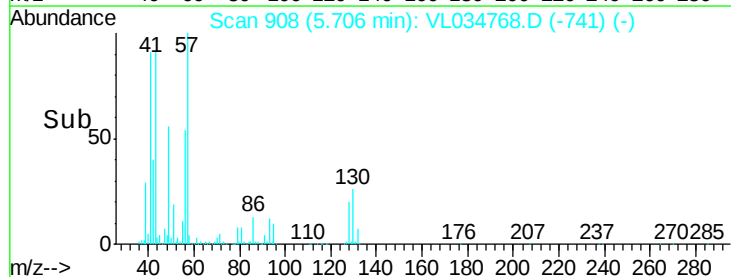
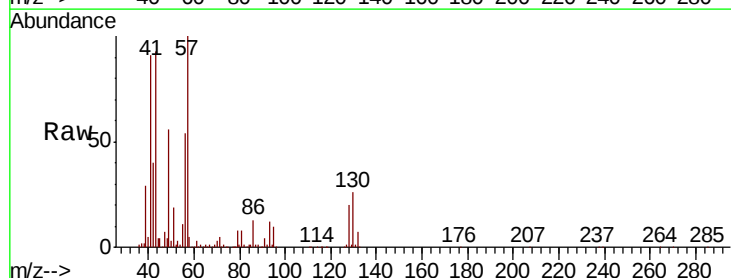
Instrument :
 MSVOA_L
 ClientSampleId :

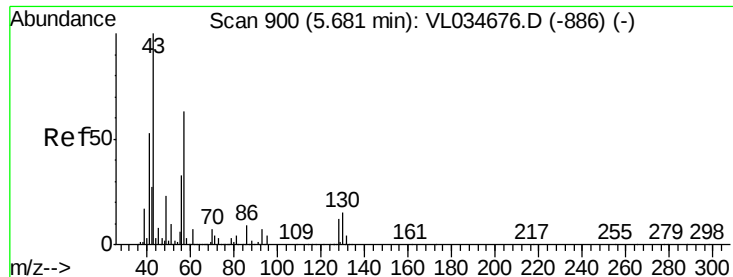
Tot Ion:	43	Resp:	476518
Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.0	9.0#
42	26.8	8.0	12.0#
44	6.0	4.5	6.7



#25
 Ethyl Acetate
 Concen: 5.386 ppbv
 RT: 5.71 min Scan# 908
 Delta R.T. 0.04 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

Tgt Ion:	43	Resp:	1109495
Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.2	12.4#
61	4.4	7.8	11.6#
70	4.4	6.1	9.1#

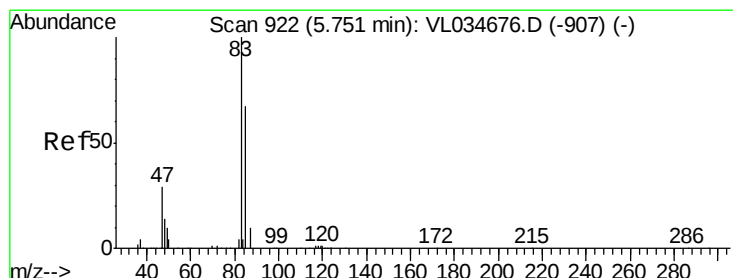
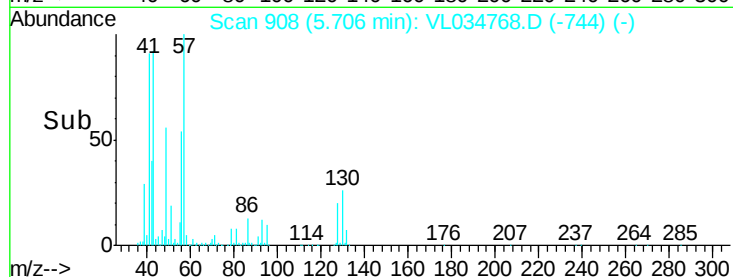
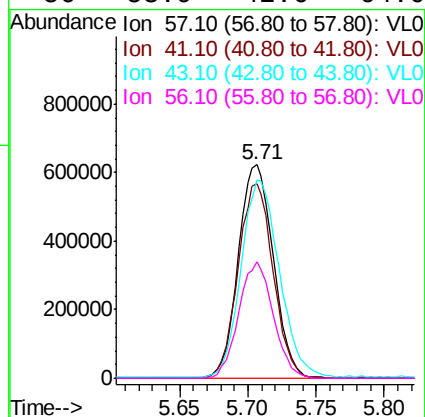
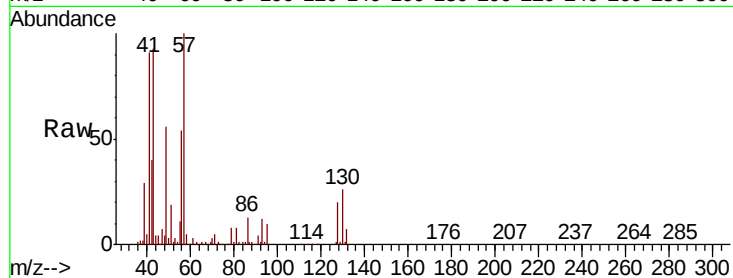




#26
Hexane
Concen: 11.675 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

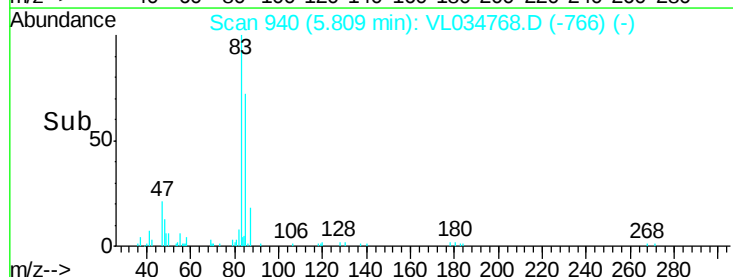
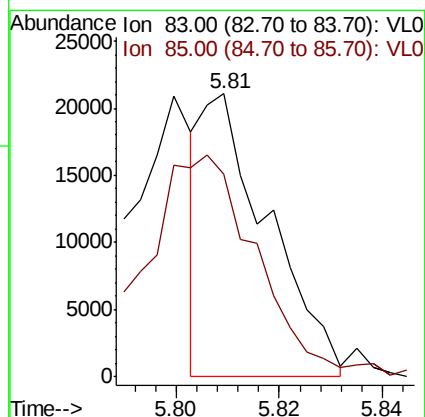
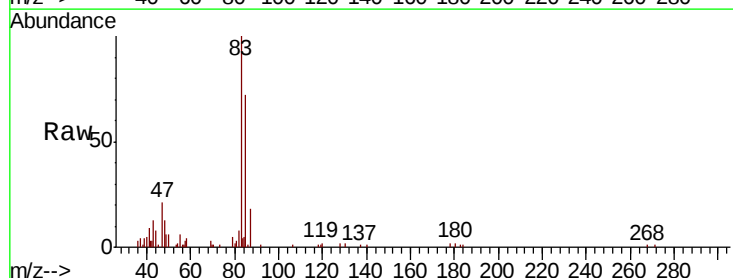
Instrument :
MSVOA_L
ClientSampleId :

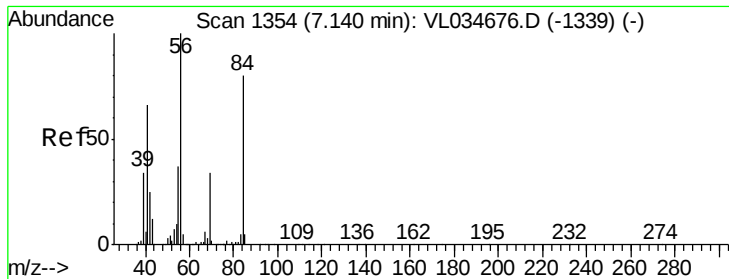
Tot Ion: 57 Resp: 1108435
Ion Ratio Lower Upper
57 100
41 91.6 70.3 105.5
43 101.5 177.0 265.4#
56 53.9 42.6 64.0



#29
Chloroform
Concen: 0.125 ppbv
RT: 5.81 min Scan# 940
Delta R.T. 0.06 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

Tgt Ion: 83 Resp: 18871
Ion Ratio Lower Upper
83 100
85 67.8 53.9 80.9

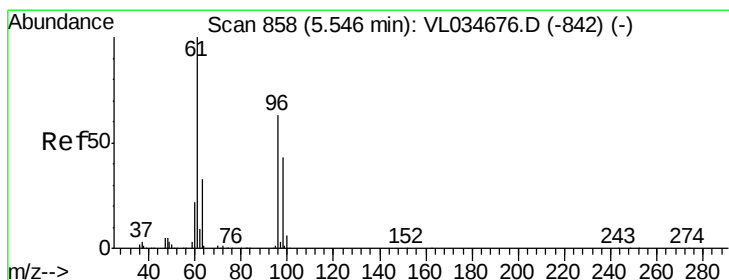
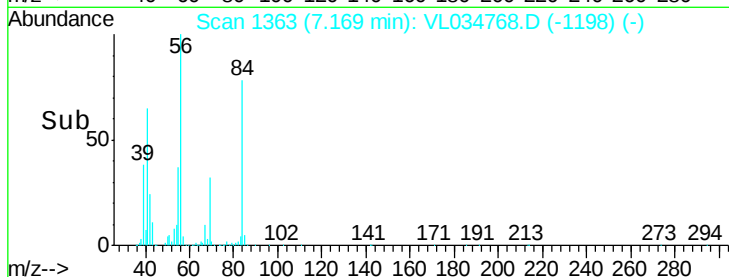
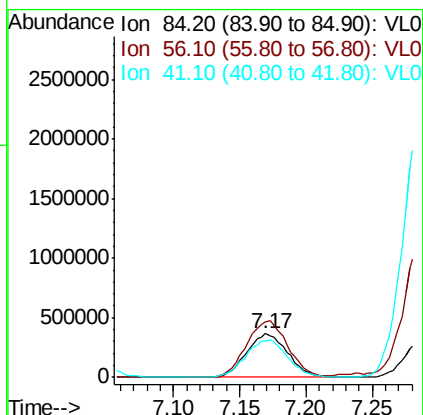
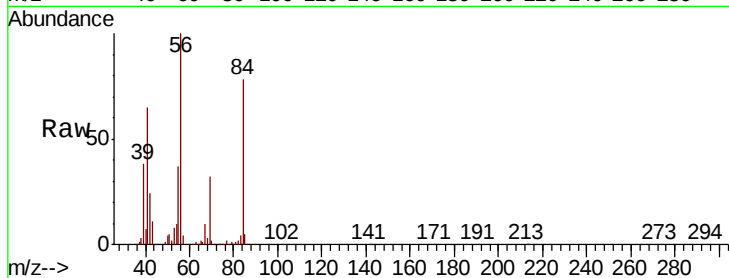




#30
Cvclohexane
Concen: 10.687 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.03 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

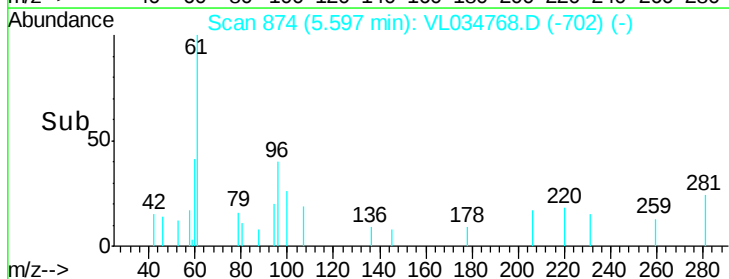
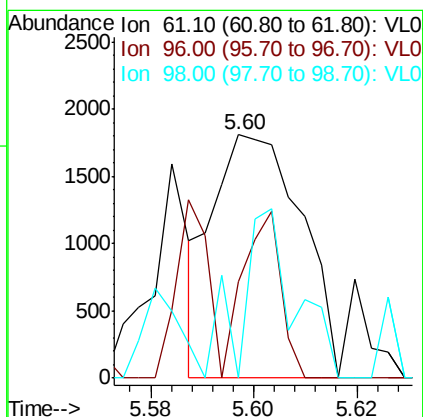
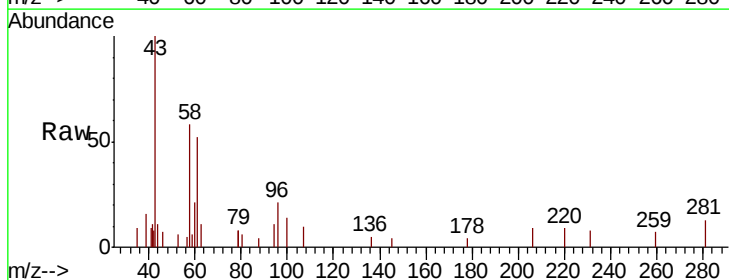
Instrument :
MSVOA_L
ClientSampleId :

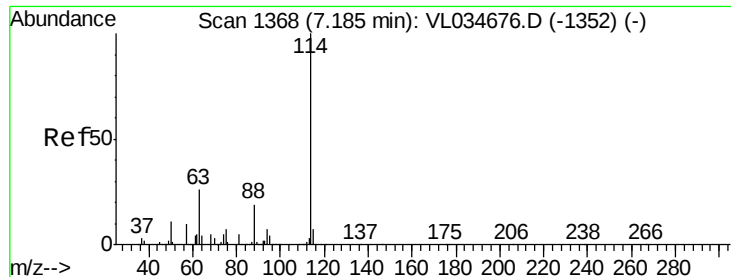
Tot Ion: 84 Resp: 786305
Ion Ratio Lower Upper
84 100
56 132.8 113.4 170.2
41 87.6 68.2 102.4



#31
cis-1,2-Dichloroethene
Concen: 0.023 ppbv
RT: 5.60 min Scan# 874
Delta R.T. 0.05 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

Tgt Ion: 61 Resp: 2164
Ion Ratio Lower Upper
61 100
96 39.7 50.2 75.2#
98 0.0 34.3 51.5#

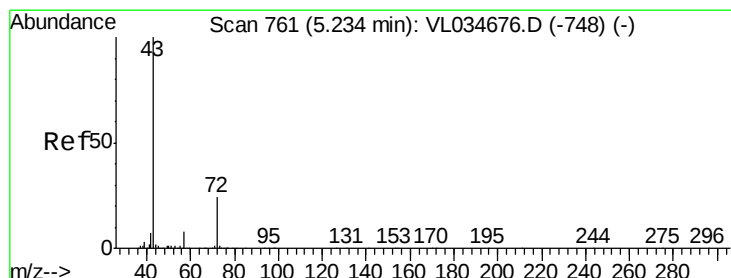
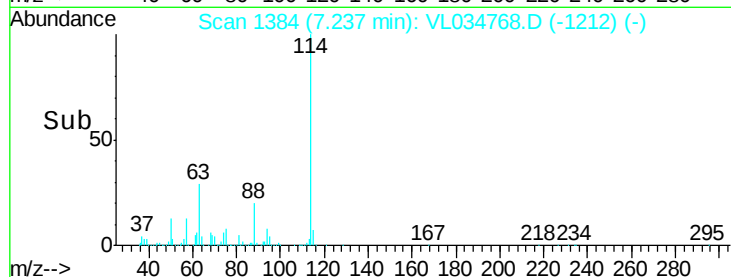
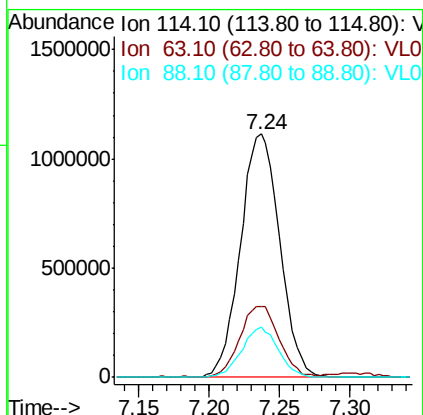
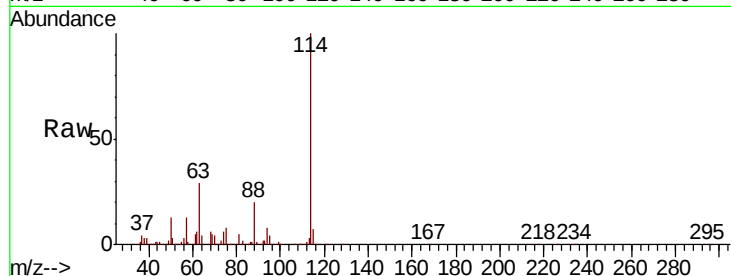




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.24 min Scan# 1384
 Delta R.T. 0.05 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

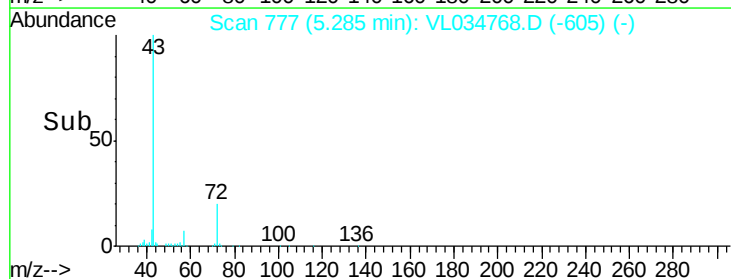
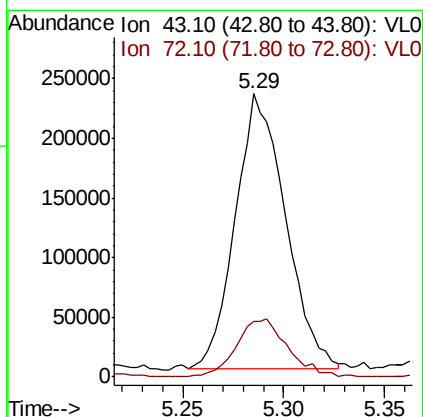
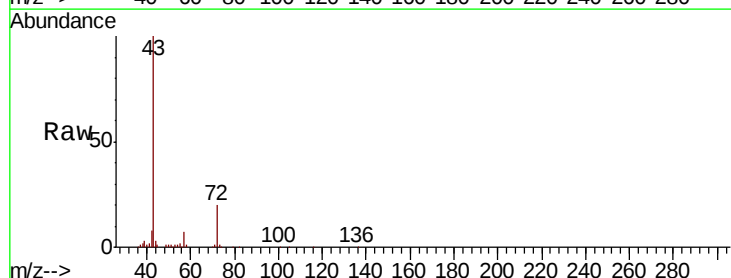
Instrument :
 MSVOA_L
 ClientSampled :

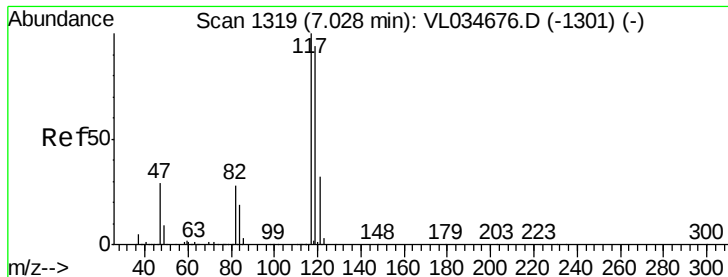
Tot Ion:114 Resp: 2174156
 Ion Ratio Lower Upper
 114 100
 63 29.4 22.9 34.3
 88 19.3 15.8 23.6



#34
 2-Butanone
 Concen: 2.926 ppbv
 RT: 5.29 min Scan# 777
 Delta R.T. 0.05 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

Tgt Ion: 43 Resp: 400461
 Ion Ratio Lower Upper
 43 100
 72 21.6 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.026 ppbv

RT: 7.08 min Scan# 1336

Delta R.T. 0.05 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

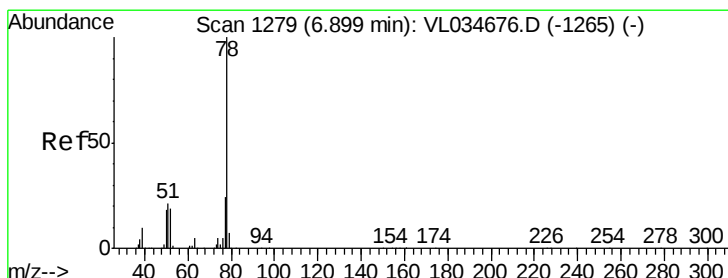
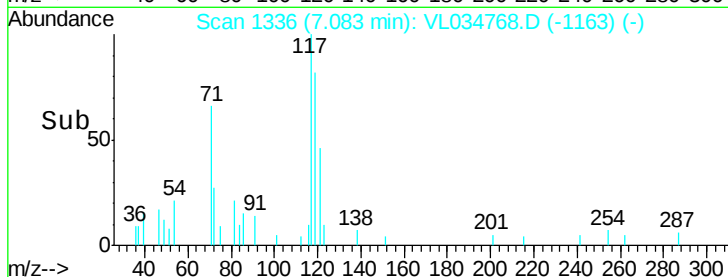
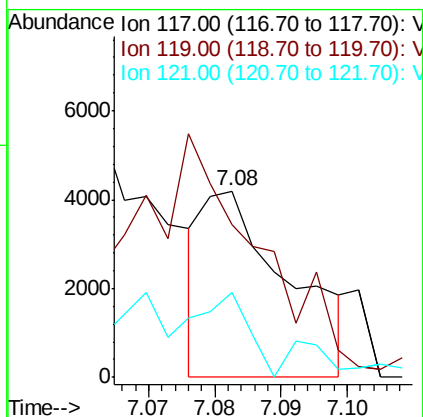
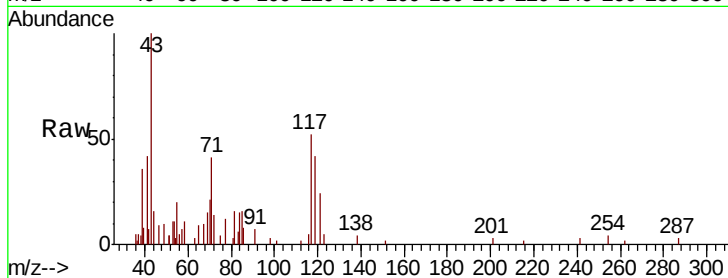
Tot Ion:117 Resp: 3765

Ion Ratio Lower Upper

117 100

119 120.9 75.5 113.3#

121 74.7 25.4 38.0#



#36

Benzene

Concen: 0.356 ppbv

RT: 6.94 min Scan# 1292

Delta R.T. 0.04 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

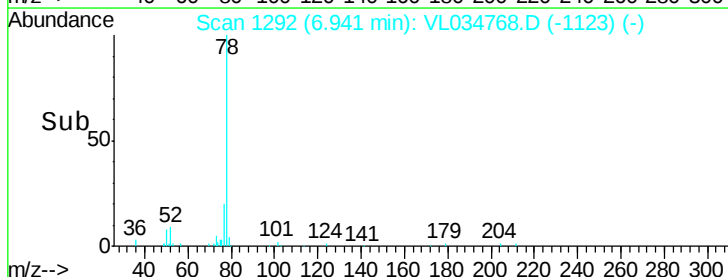
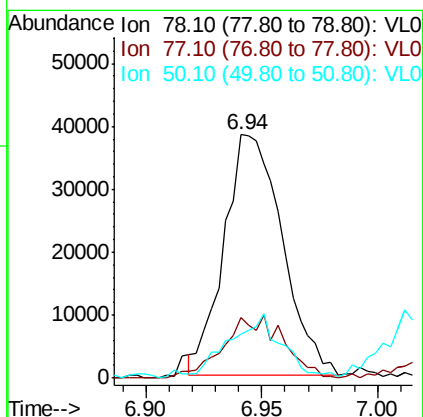
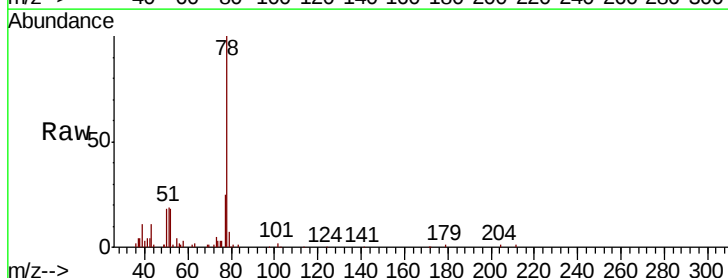
Tgt Ion: 78 Resp: 66758

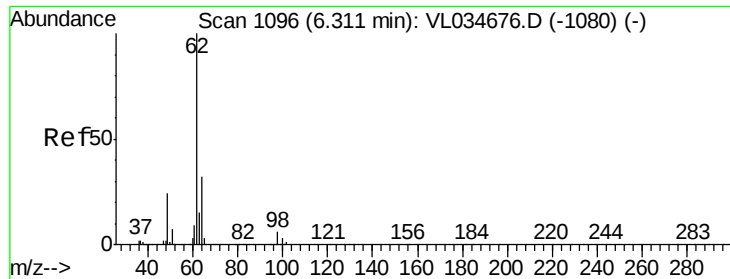
Ion Ratio Lower Upper

78 100

77 23.9 19.5 29.3

50 17.5 14.6 21.8

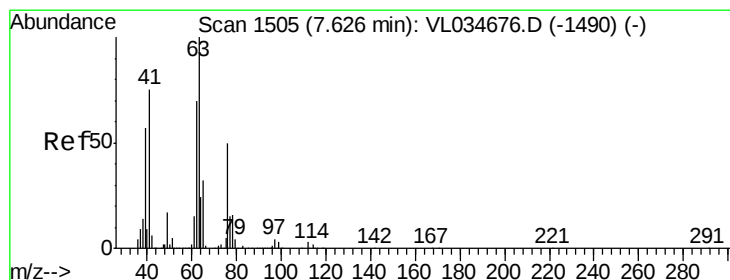
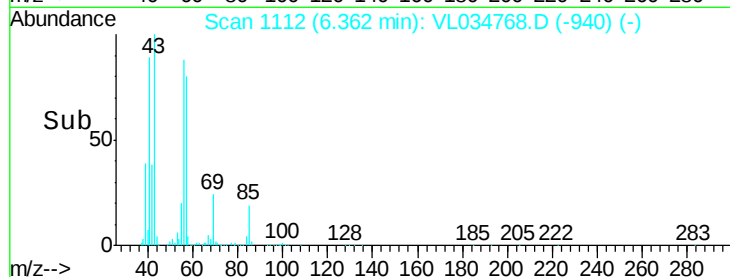
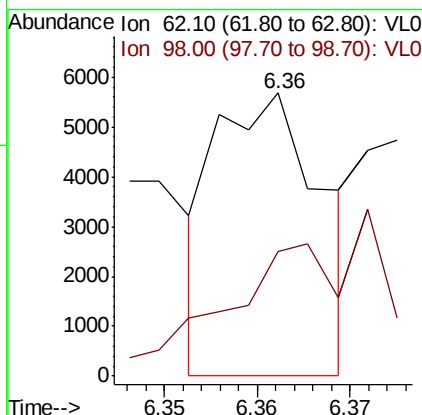
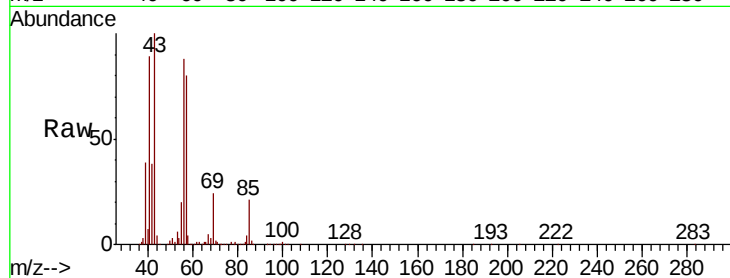




#37
 1,2-Dichloroethane
 Concen: 0.038 ppbv
 RT: 6.36 min Scan# 1112
 Delta R.T. 0.05 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

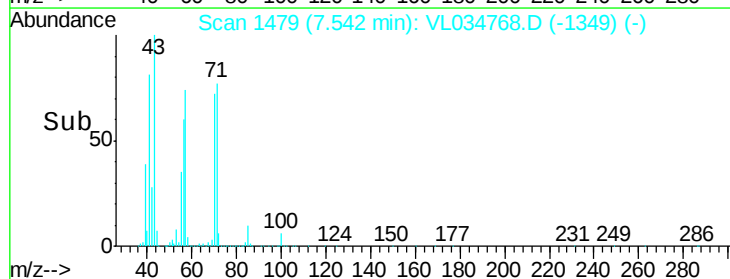
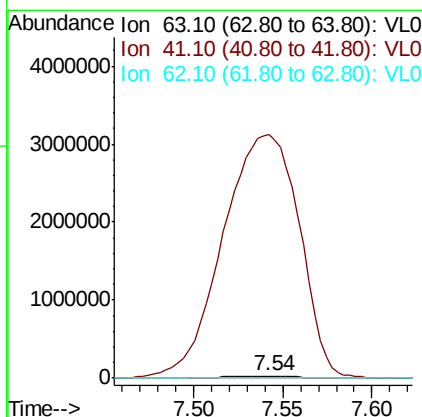
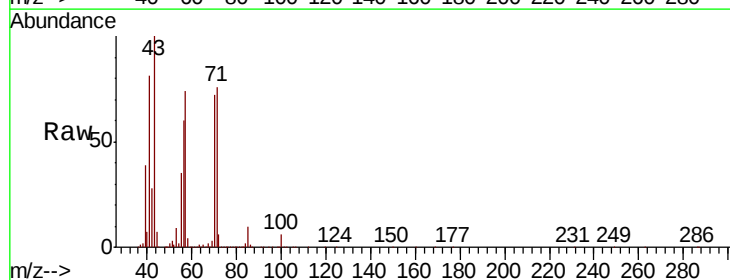
Instrument :
 MSVOA_L
 ClientSampleId :

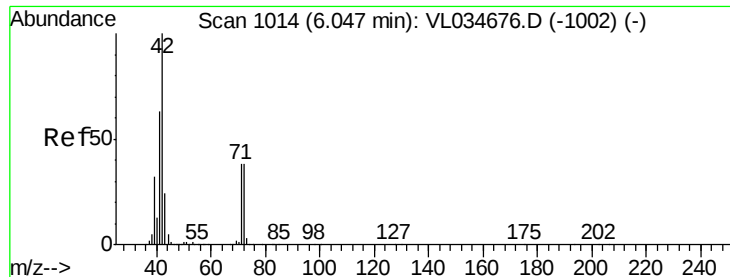
Tot Ion: 62 Resp: 4510
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.7 7.1#



#39
 1,2-Dichloropropane
 Concen: 0.831 ppbv
 RT: 7.54 min Scan# 1479
 Delta R.T. -0.08 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

Tgt Ion: 63 Resp: 62070
 Ion Ratio Lower Upper
 63 100
 41 11693.1 60.2 90.4#
 62 43.1 56.3 84.5#





#41

Tetrahydrofuran

Concen: 0.502 ppbv

RT: 6.24 min Scan# 1074

Delta R.T. 0.19 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

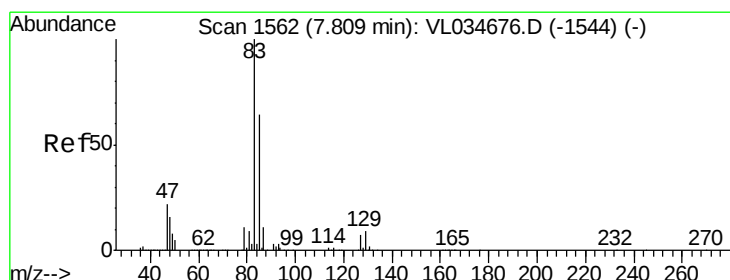
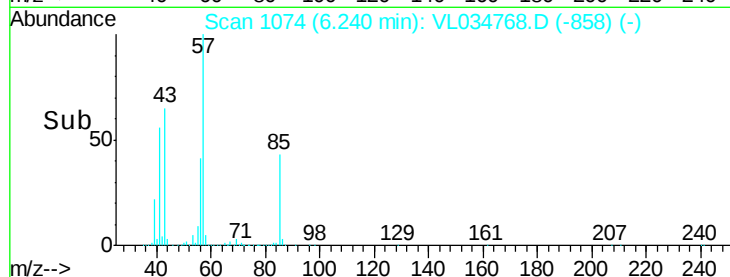
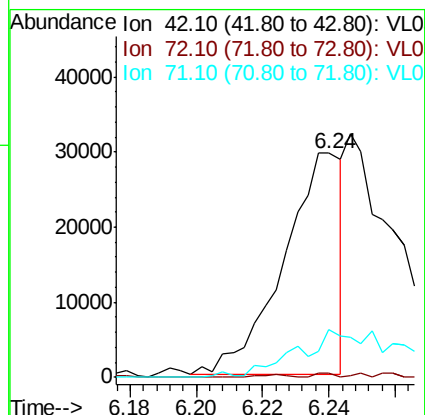
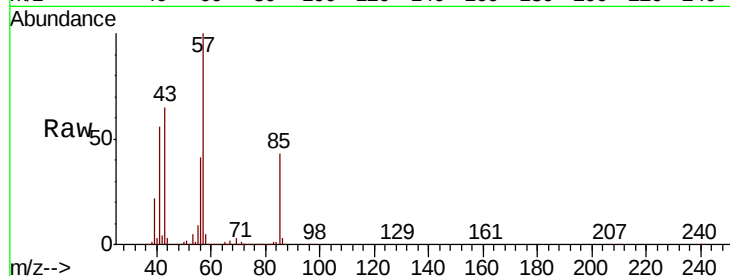
Tot Ion: 42 Resp: 36245

Ion Ratio Lower Upper

42 100

72 1.2 31.7 47.5#

71 37.3 30.7 46.1



#42

Bromodichloromethane

Concen: 1.970 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.04 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

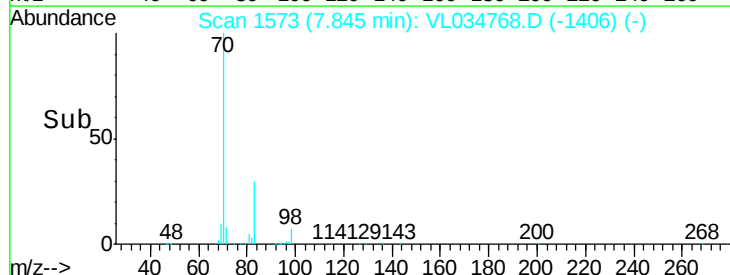
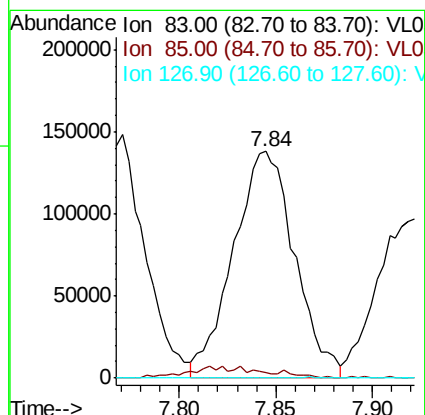
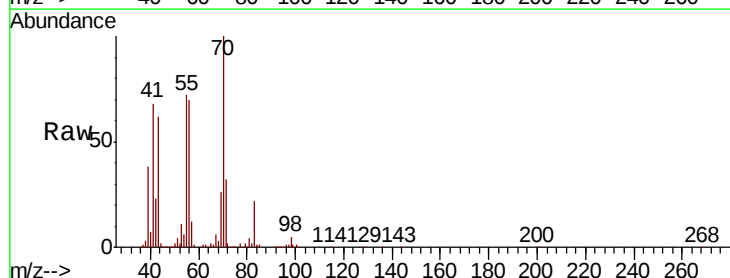
Tgt Ion: 83 Resp: 305304

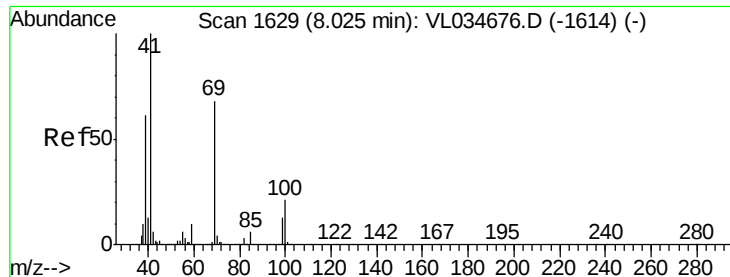
Ion Ratio Lower Upper

83 100

85 2.5 51.1 76.7#

127 0.0 5.8 8.8#

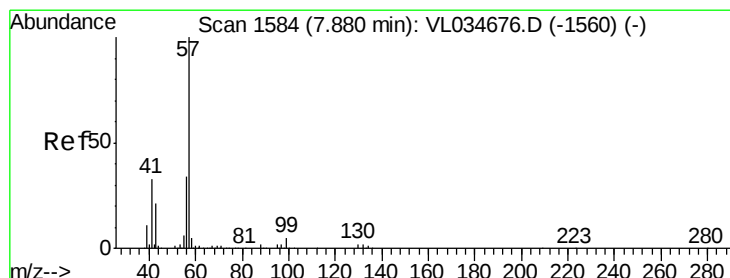
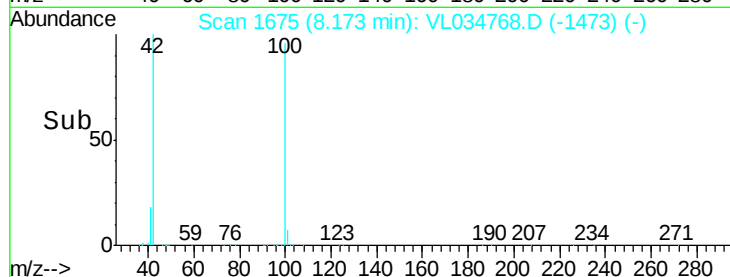
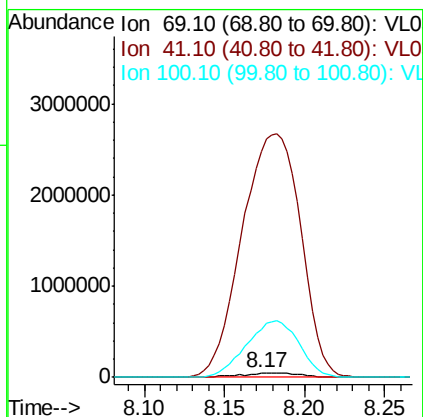
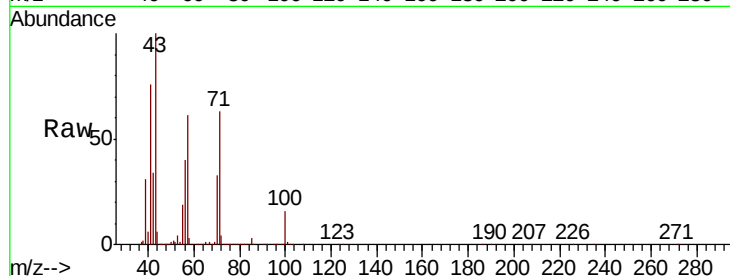




#43
Methyl Methacrylate
Concen: 1.529 ppbv
RT: 8.17 min Scan# 1675
Delta R.T. 0.15 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

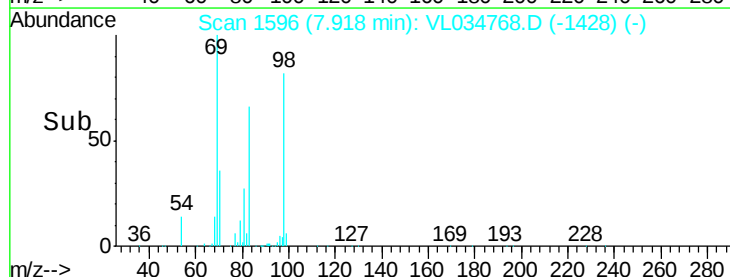
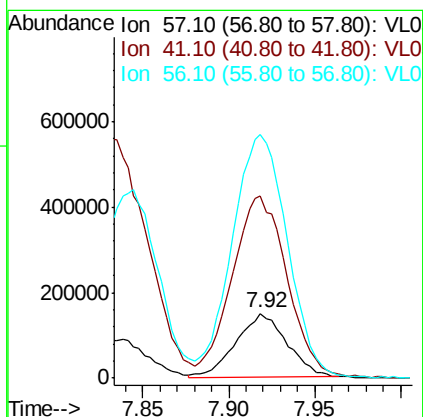
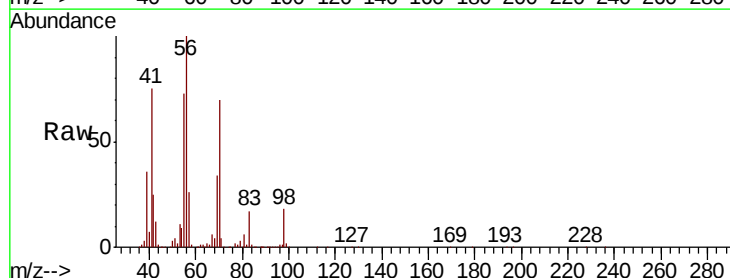
Instrument :
MSVOA_L
ClientSampleId :

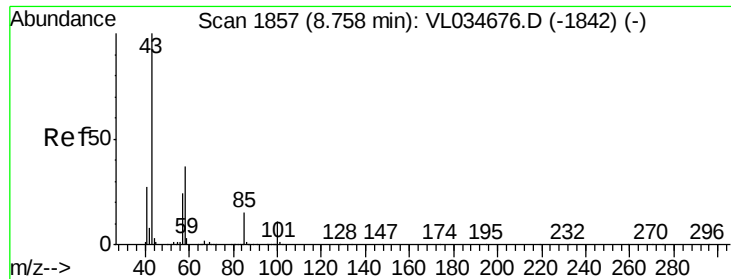
Tot Ion: 69 Resp: 120799
Ion Ratio Lower Upper
69 100
41 5602.8 118.2 177.2#
100 1171.9 24.2 36.2#



#44
2,2,4-Trimethylpentane
Concen: 0.930 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. 0.04 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

Tgt Ion: 57 Resp: 305135
Ion Ratio Lower Upper
57 100
41 315.2 26.0 39.0#
56 420.2 25.6 38.4#

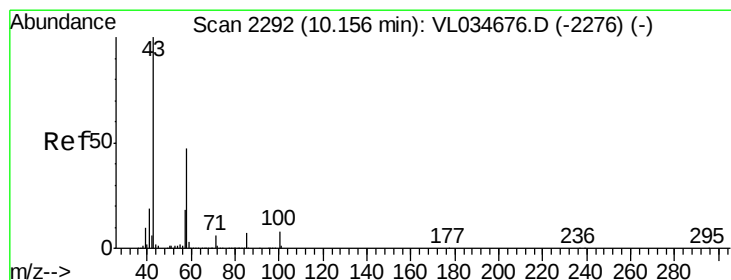
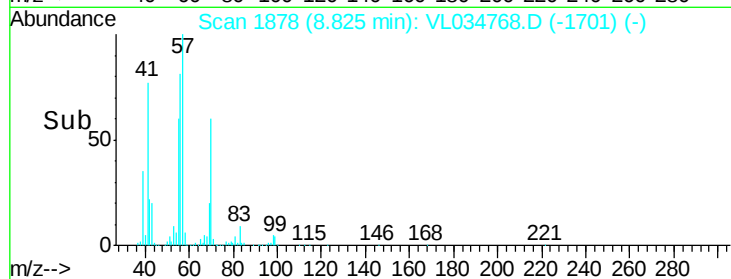
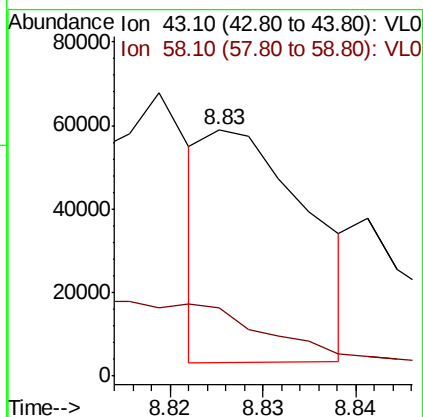
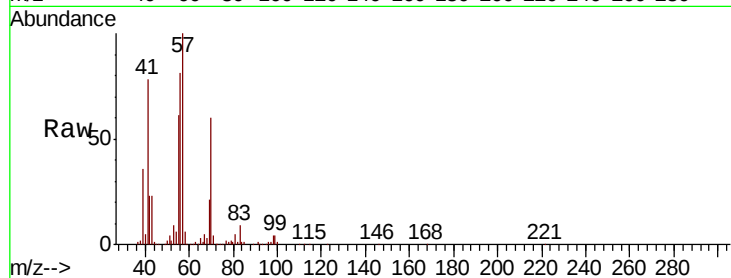




#50
4-Methyl-2-Pentanone
Concen: 0.219 ppbv
RT: 8.83 min Scan# 1878
Delta R.T. 0.07 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

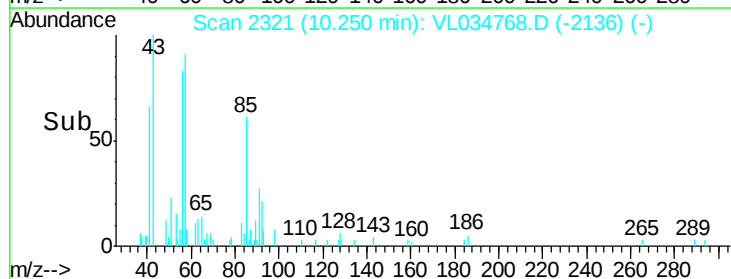
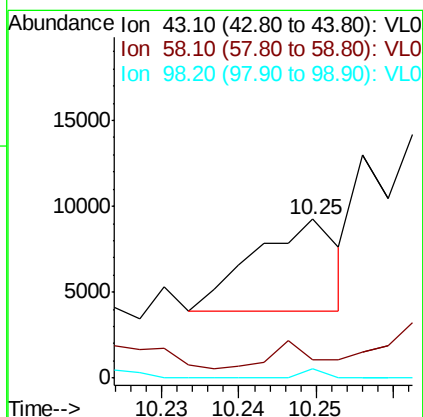
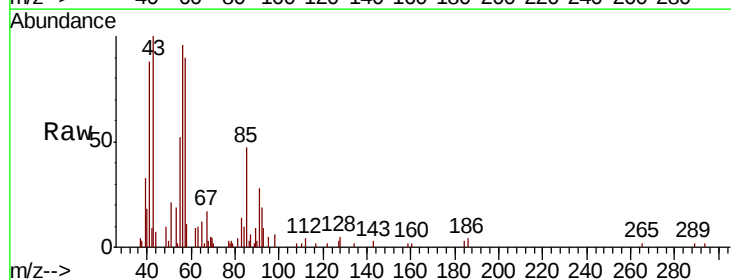
Instrument :
MSVOA_L
ClientSampleId :

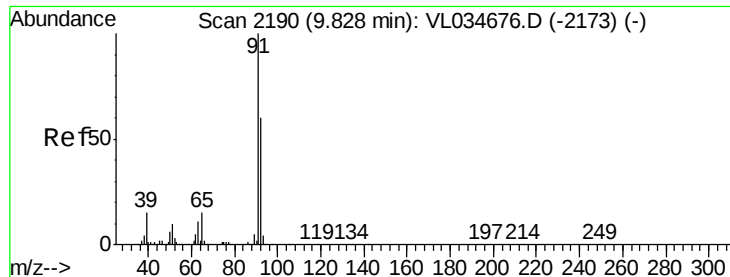
Tot Ion: 43 Resp: 42498
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#



#51
2-Hexanone
Concen: 0.026 ppbv
RT: 10.25 min Scan# 2321
Delta R.T. 0.09 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

Tgt Ion: 43 Resp: 4041
Ion Ratio Lower Upper
43 100
58 70.2 39.4 59.0#
98 0.0 0.2 0.2#





#53

Toluene

Concen: 102.632 ppbv

RT: 9.90 min Scan# 2211

Delta R.T. 0.07 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

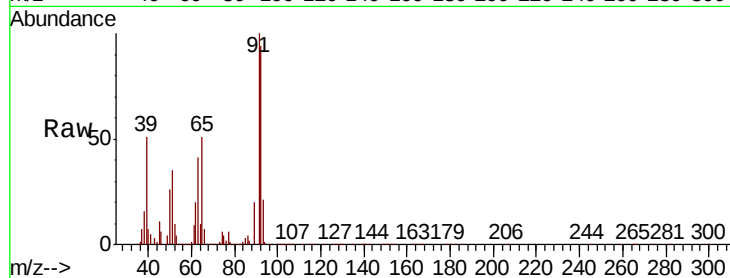
ClientSampled :

Tot Ion: 91 Resp: 20497939

Ion Ratio Lower Upper

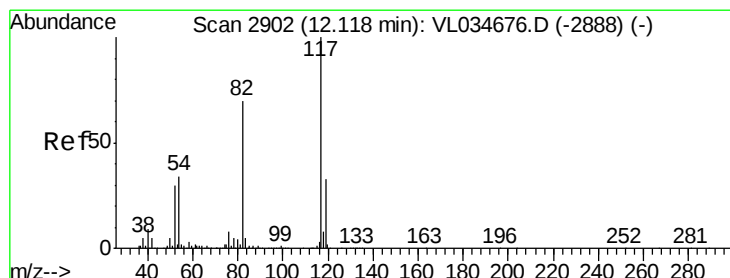
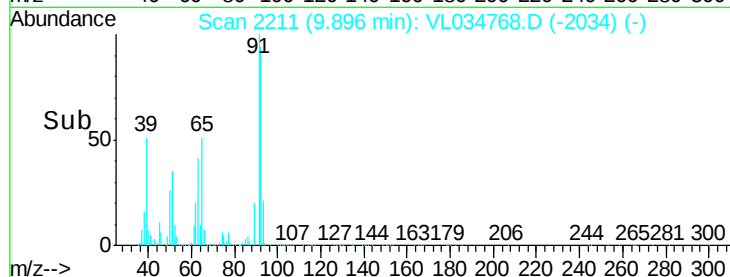
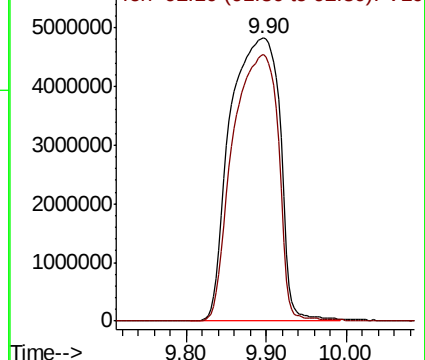
91 100

92 86.2 48.5 72.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.04 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

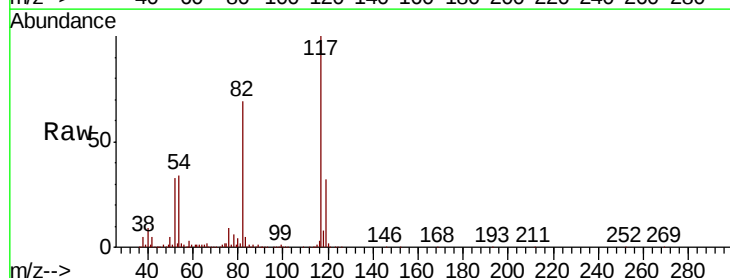
Tgt Ion: 117 Resp: 2263144

Ion Ratio Lower Upper

117 100

82 69.9 54.1 81.1

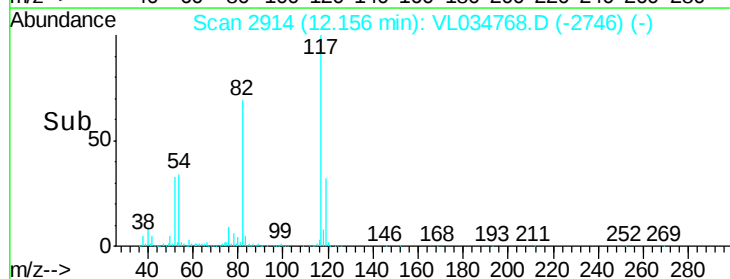
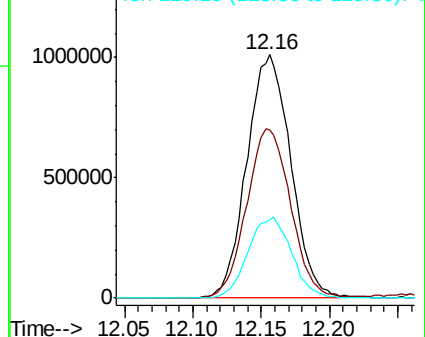
119 33.1 27.6 41.4

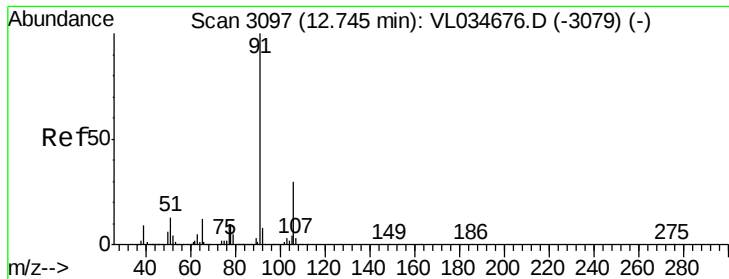


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 2.171 ppbv

RT: 12.78 min Scan# 3108

Delta R.T. 0.04 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

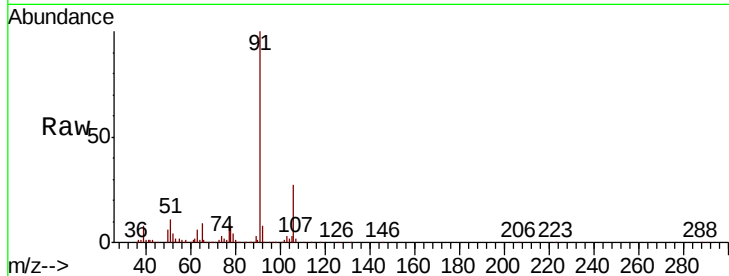
ClientSampleId :

Tot Ion: 91 Resp: 594312

Ion Ratio Lower Upper

91 100

106 26.1 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

12.78

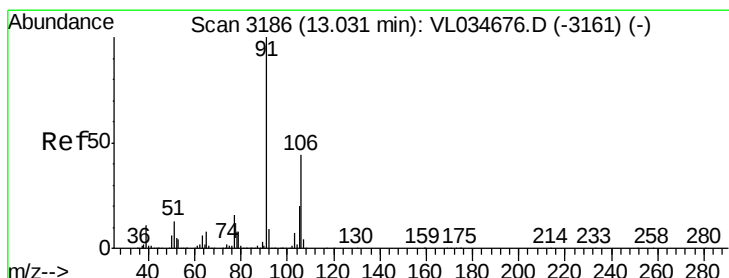
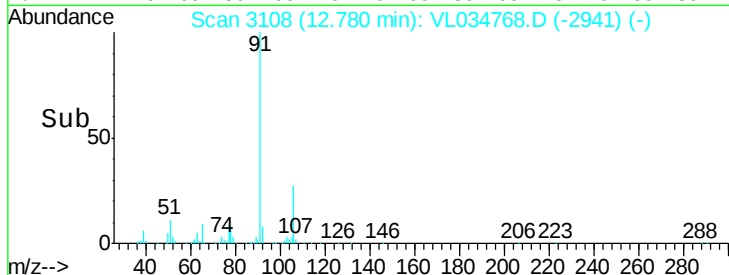
300000

200000

100000

0

Time-->



#59

m/p-Xylene

Concen: 1.877 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.03 min

Lab File: VL034768.D

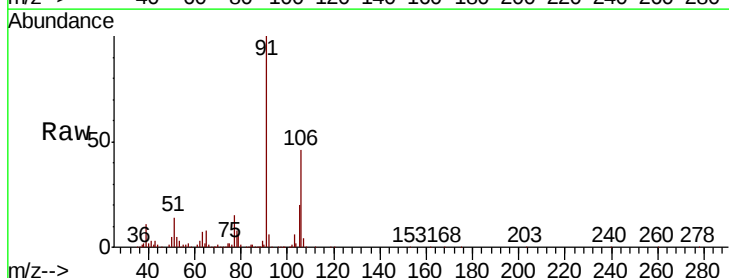
Acq: 3 Mar 2020 17:49

Tgt Ion: 91 Resp: 448309

Ion Ratio Lower Upper

91 100

106 0.0 35.6 53.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

13.06

600000

500000

400000

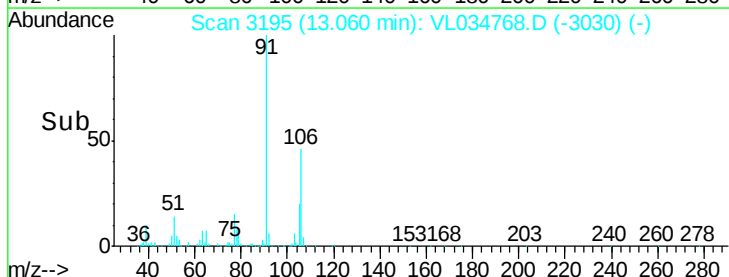
300000

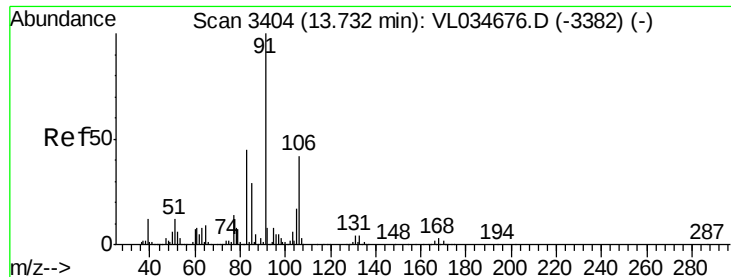
200000

100000

0

Time-->

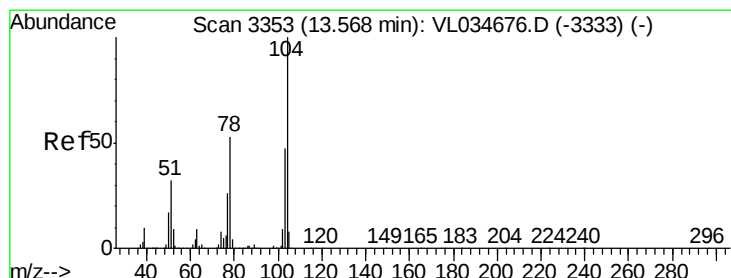
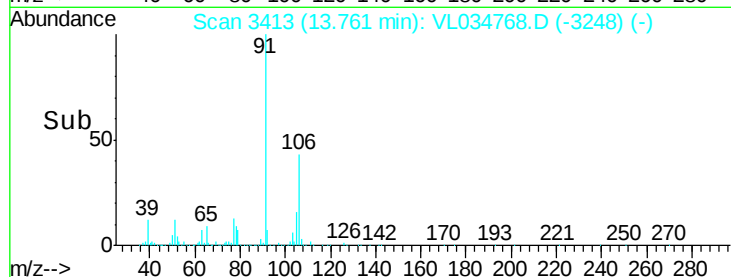
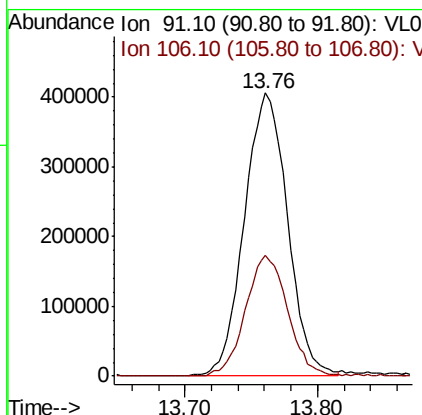
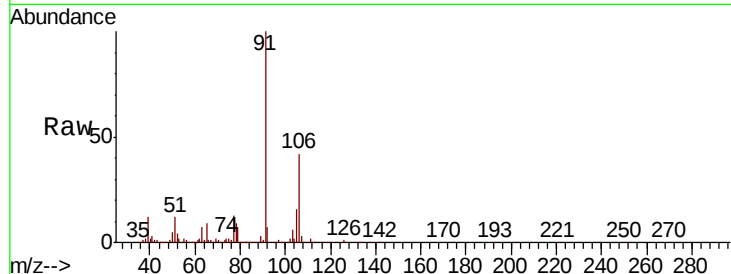




#60
o-Xylene
Concen: 3.877 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. 0.03 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

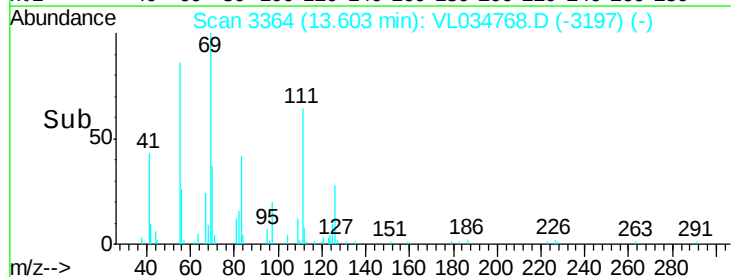
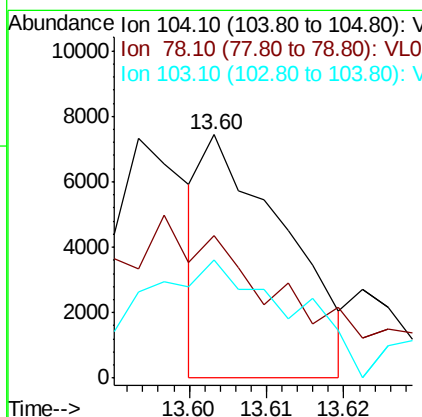
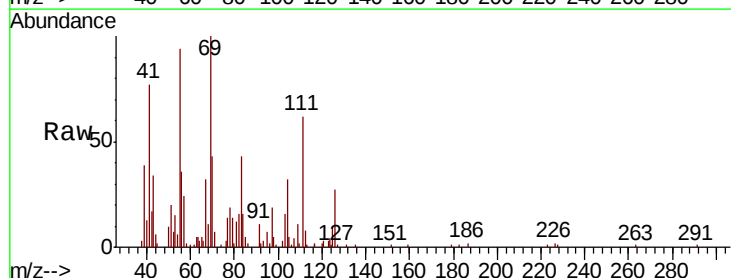
Instrument :
MSVOA_L
ClientSampled :

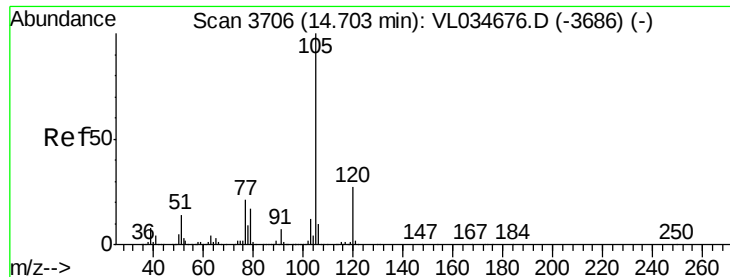
Tot Ion: 91 Resp: 918830
Ion Ratio Lower Upper
91 100
106 41.8 21.9 65.5



#61
Styrene
Concen: 0.036 ppbv
RT: 13.60 min Scan# 3364
Delta R.T. 0.04 min
Lab File: VL034768.D
Acq: 3 Mar 2020 17:49

Tgt Ion: 104 Resp: 5514
Ion Ratio Lower Upper
104 100
78 0.0 44.2 66.4#
103 136.4 37.4 56.0#





#62

Isopropylbenzene

Concen: 0.881 ppbv

RT: 14.74 min Scan# 3717

Delta R.T. 0.04 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

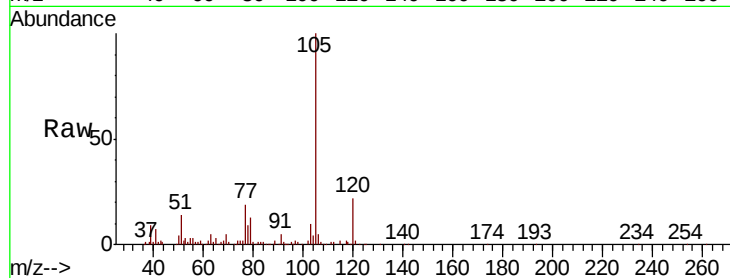
ClientSampleId :

Tot Ion:105 Resp: 304606

Ion Ratio Lower Upper

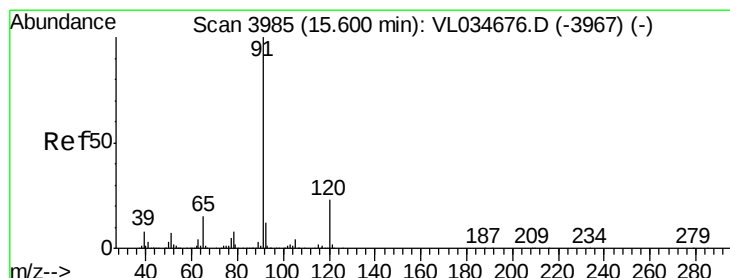
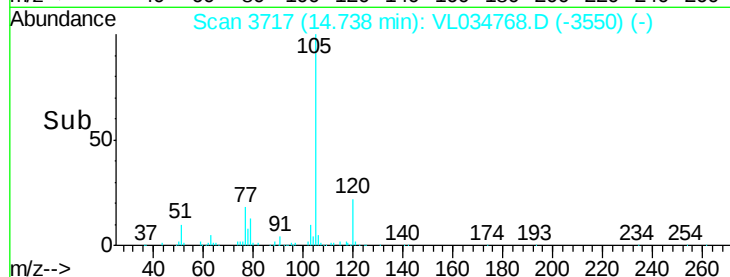
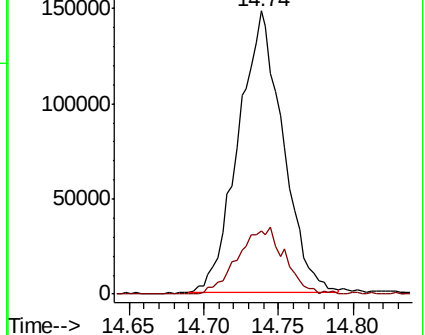
105 100

120 25.2 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 4.889 ppbv

RT: 15.63 min Scan# 3995

Delta R.T. 0.03 min

Lab File: VL034768.D

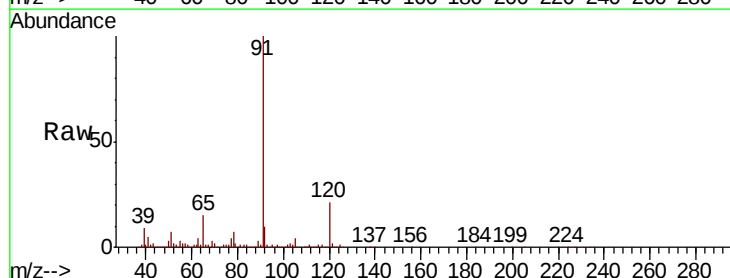
Acq: 3 Mar 2020 17:49

Tgt Ion:120 Resp: 435689

Ion Ratio Lower Upper

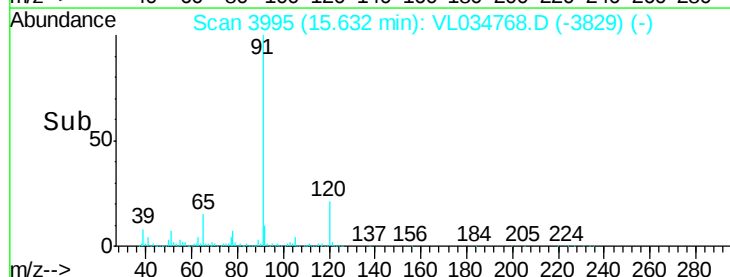
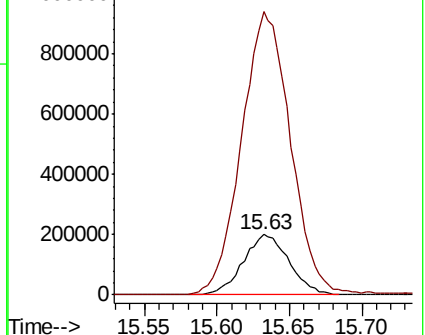
120 100

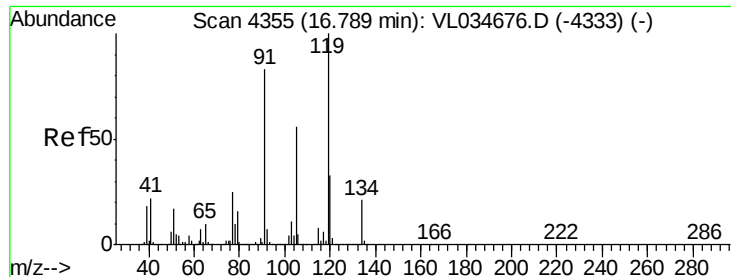
91 509.2 369.8 554.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 1.793 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.05 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

ClientSampleId :

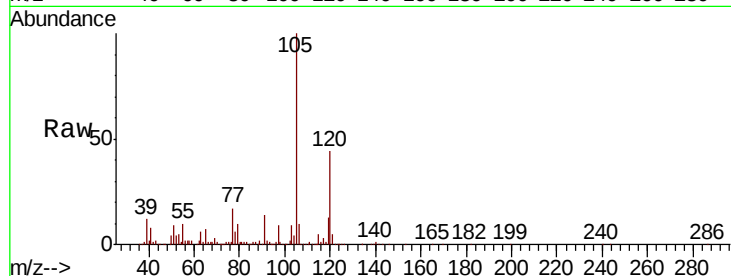
Tot Ion:119 Resp: 535374

Ion Ratio Lower Upper

119 100

91 112.0 69.1 103.7#

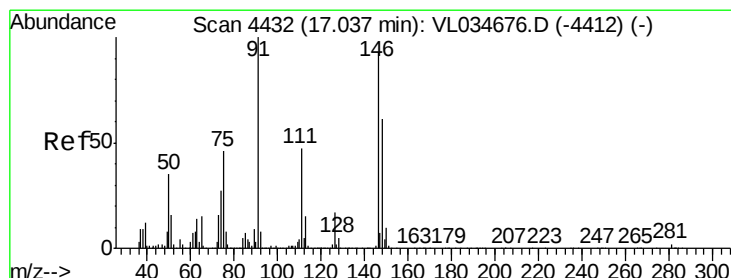
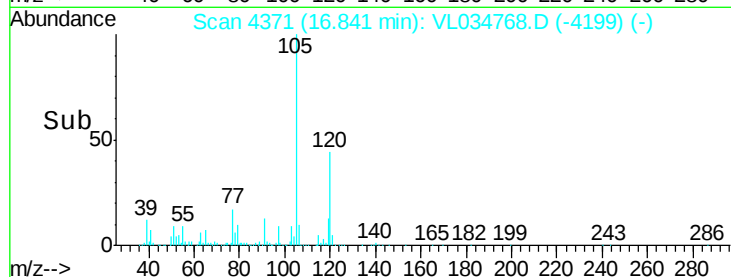
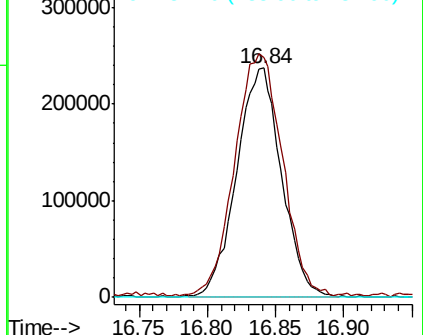
134 0.2 15.8 23.8#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.718 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. 0.25 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

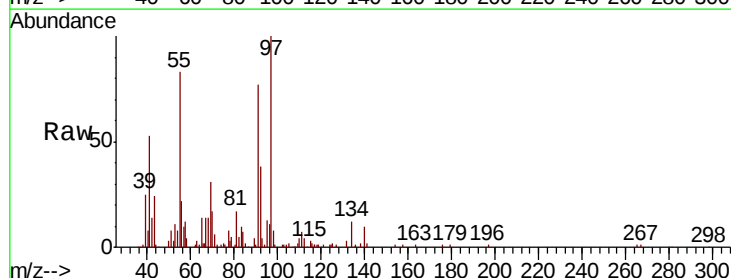
Tgt Ion: 91 Resp: 79966

Ion Ratio Lower Upper

91 100

126 0.6 13.5 20.3#

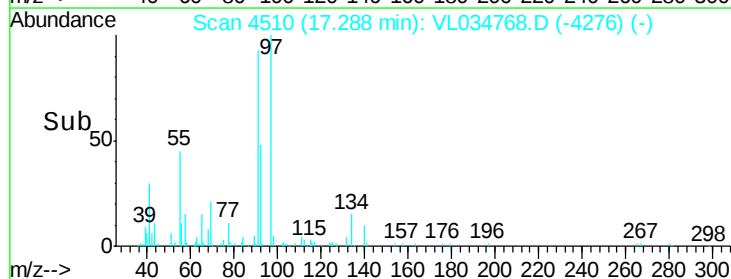
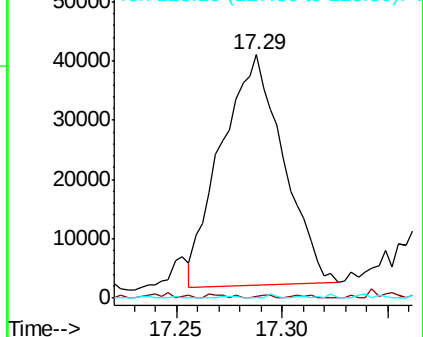
128 0.6 4.2 6.4#

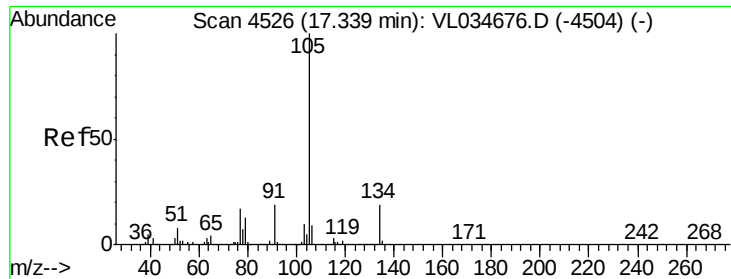


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.109 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.03 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

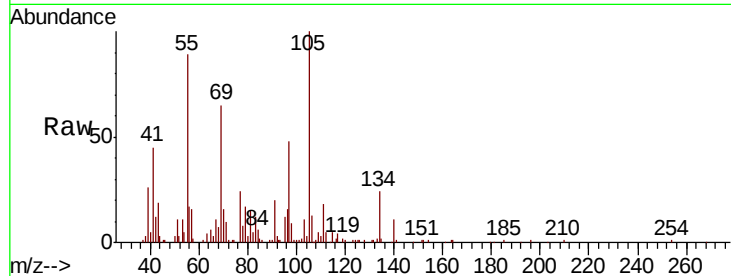
ClientSampleId :

Tot Ion:105 Resp: 46761

Ion Ratio Lower Upper

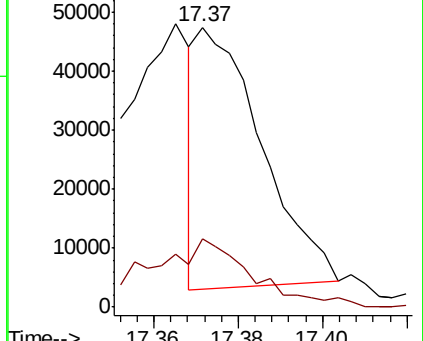
105 100

134 47.1 14.8 22.2#

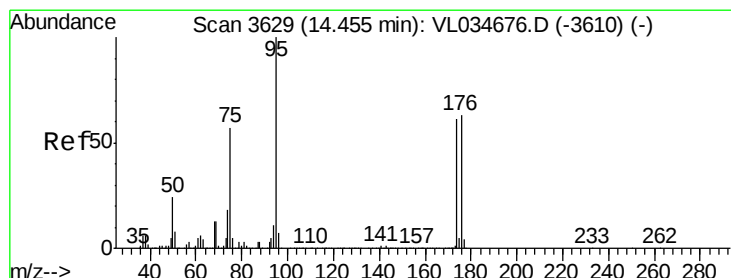
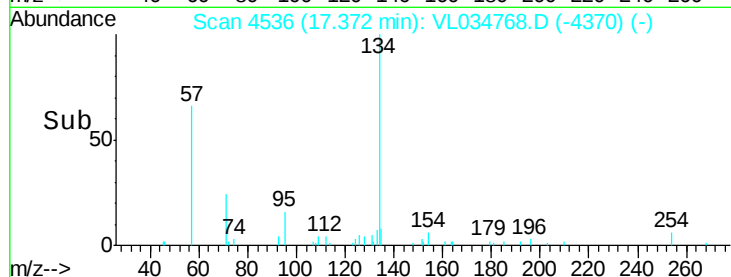


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.323 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.03 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

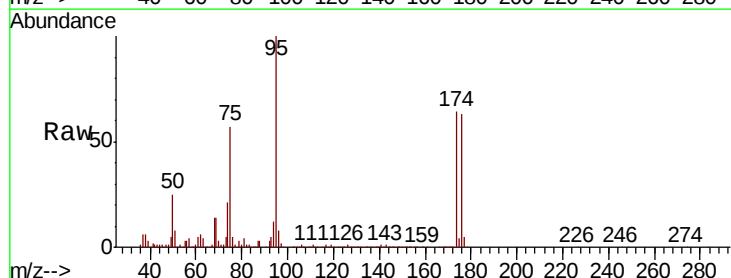
Tgt Ion: 95 Resp: 1915633

Ion Ratio Lower Upper

95 100

174 63.9 50.7 76.1

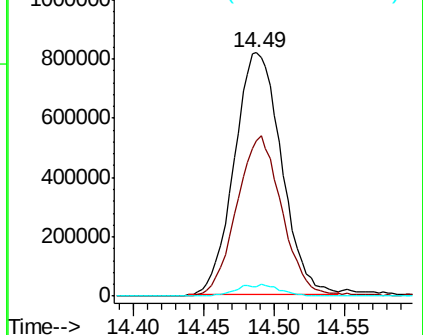
175 4.6 3.9 5.9



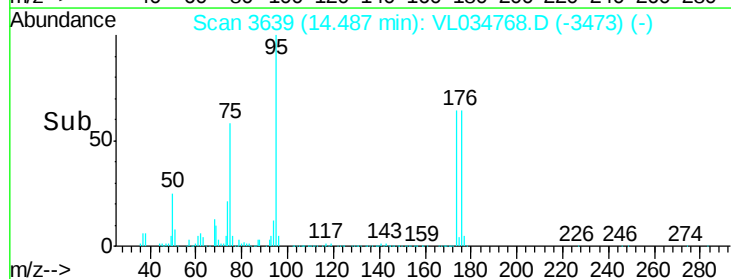
Abundance Ion 95.10 (94.80 to 95.80): VL0

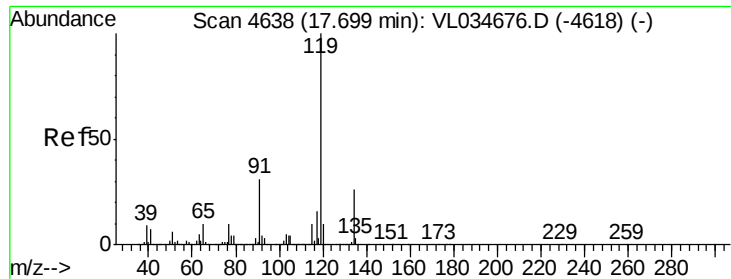
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time-->

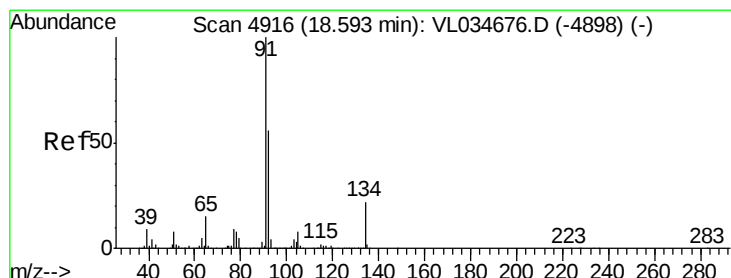
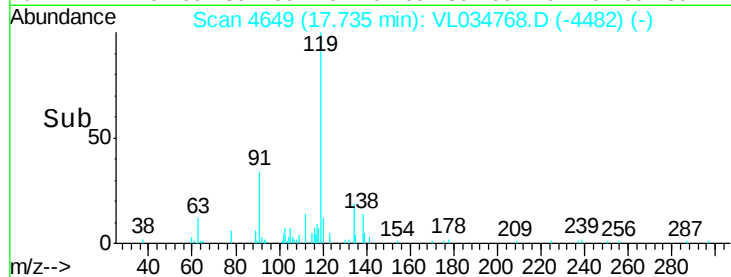
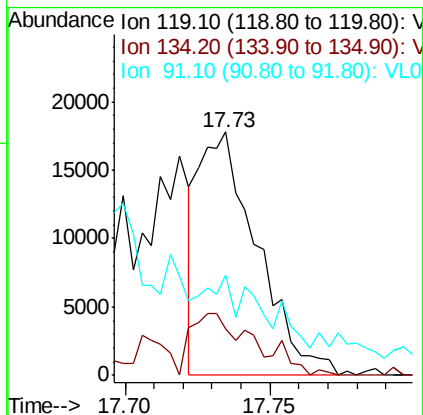
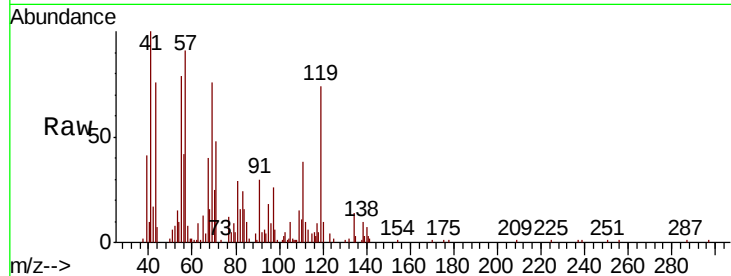




#69
 p-Isopropyltoluene
 Concen: 0.070 ppbv
 RT: 17.73 min Scan# 4649
 Delta R.T. 0.04 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

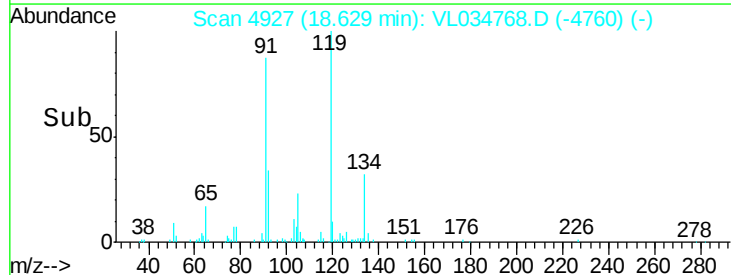
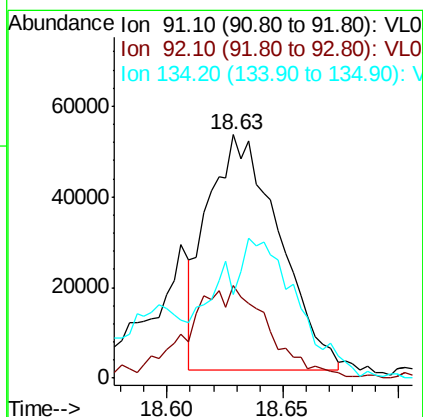
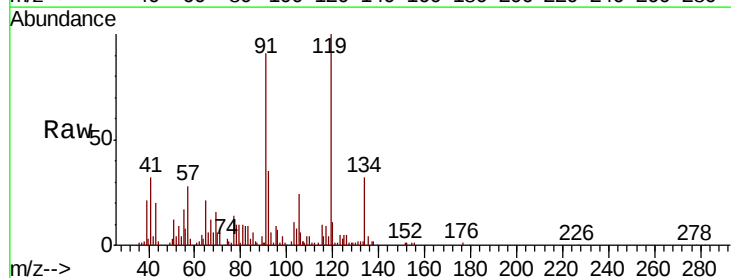
Instrument :
 MSVOA_L
 ClientSampled :

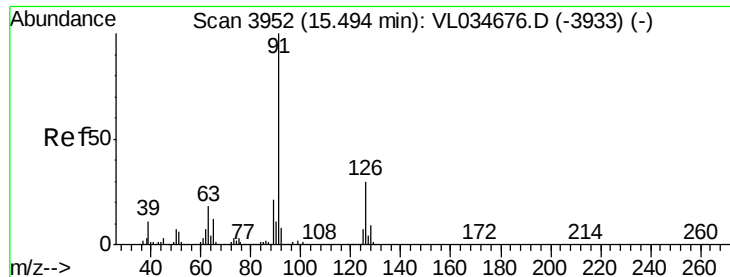
Tot Ion:119 Resp: 24847
 Ion Ratio Lower Upper
 119 100
 134 39.6 20.6 31.0#
 91 30.8 25.3 37.9



#70
 n-Butylbenzene
 Concen: 0.289 ppbv
 RT: 18.63 min Scan# 4927
 Delta R.T. 0.04 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

Tgt Ion: 91 Resp: 111105
 Ion Ratio Lower Upper
 91 100
 92 46.9 43.8 65.6
 134 96.9 17.6 26.4#

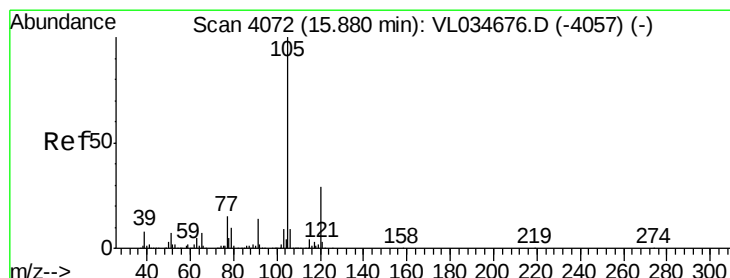
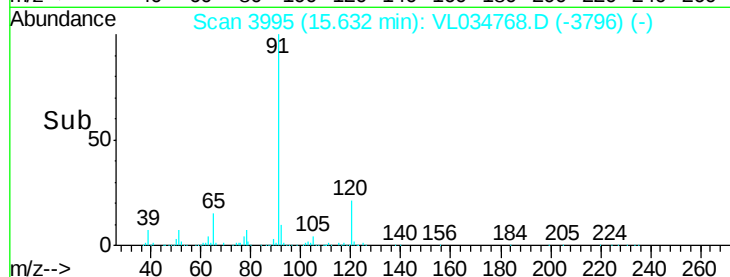
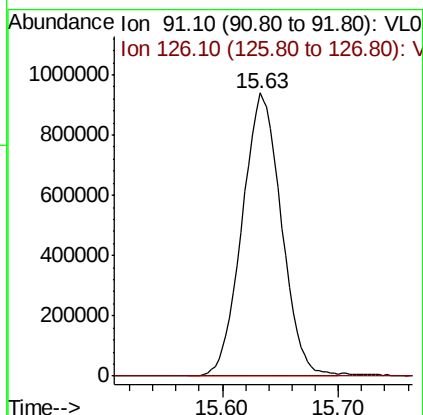
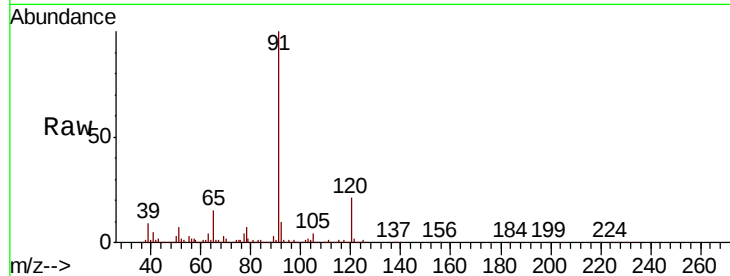




#71
 2-Chlorotoluene
 Concen: 8.202 ppbv
 RT: 15.63 min Scan# 3995
 Delta R.T. 0.14 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

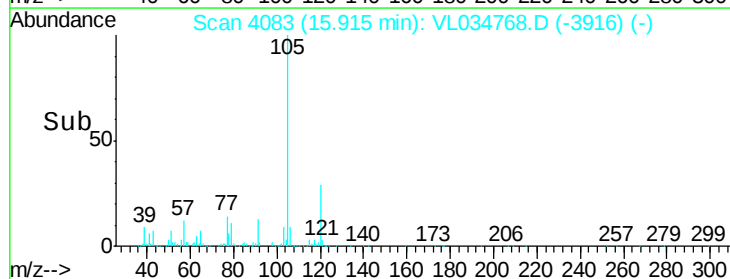
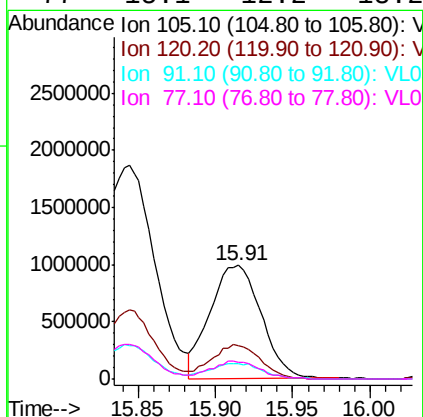
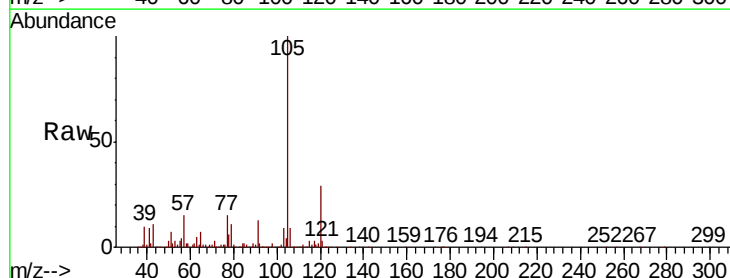
Instrument :
 MSVOA_L
 ClientSampled :

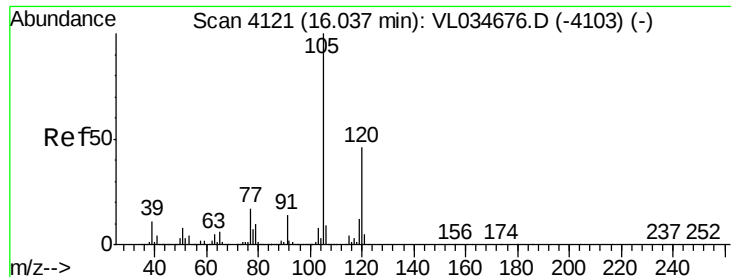
Tot Ion: 91 Resp: 2196055
 Ion Ratio Lower Upper
 91 100
 126 0.3 11.8 47.2#



#72
 4-Ethyltoluene
 Concen: 8.678 ppbv
 RT: 15.91 min Scan# 4083
 Delta R.T. 0.04 min
 Lab File: VL034768.D
 Acq: 3 Mar 2020 17:49

Tgt Ion:105 Resp: 2288847
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.7 35.5
 91 13.8 10.9 16.3
 77 15.1 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 7.057 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. 0.03 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

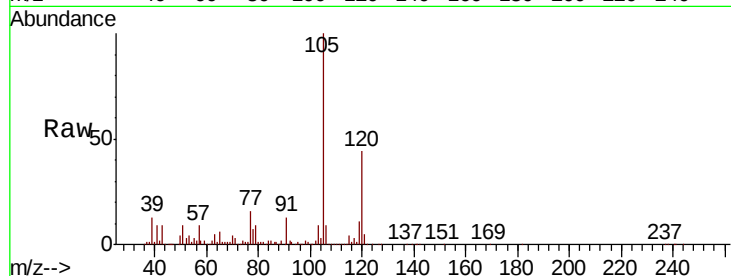
ClientSampled :

Tot Ion:105 Resp: 1790568

Ion Ratio Lower Upper

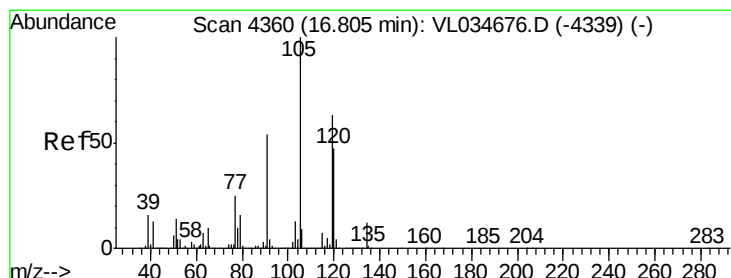
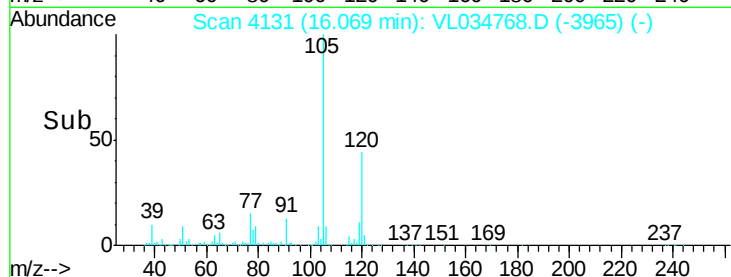
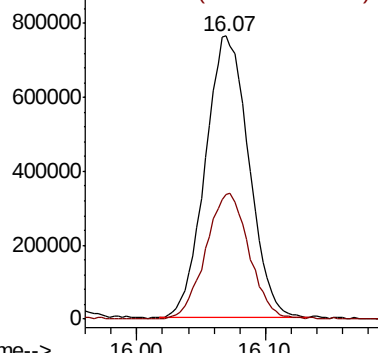
105 100

120 44.2 37.1 55.7



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: 16.624 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. 0.03 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Tgt Ion:105 Resp: 4658493

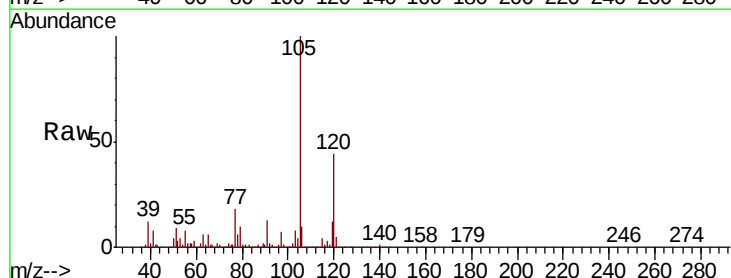
Ion Ratio Lower Upper

105 100

120 43.9 37.9 56.9

91 12.7 43.9 65.9#

77 17.9 20.3 30.5#

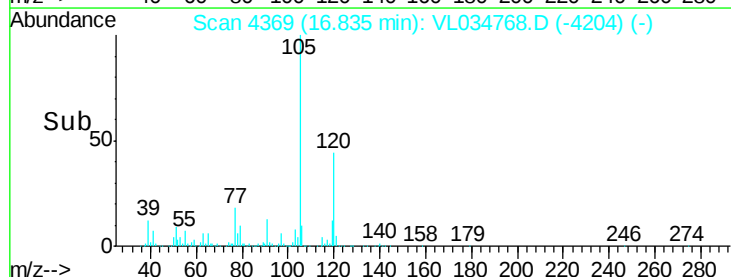
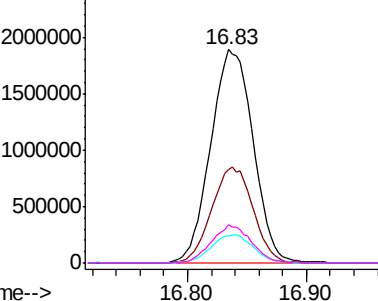


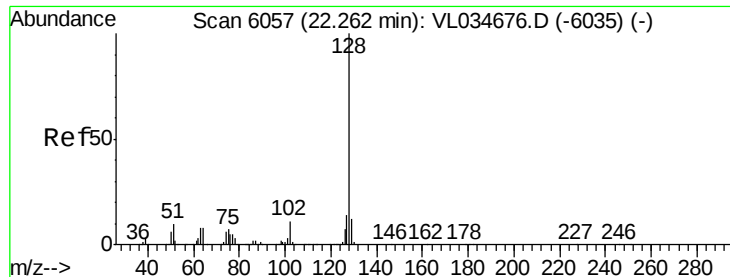
Abundance Ion 105.10 (104.80 to 105.80): V

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





#79

Naphthalene

Concen: 0.881 ppbv

RT: 22.30 min Scan# 6069

Delta R.T. 0.04 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

Instrument :

MSVOA_L

ClientSampled :

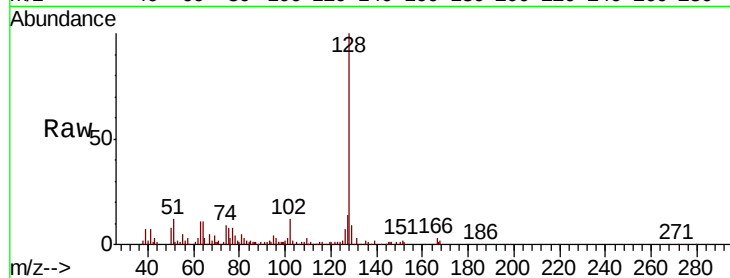
Tot Ion:128 Resp: 217310

Ion Ratio Lower Upper

128 100

127 14.0 11.0 16.6

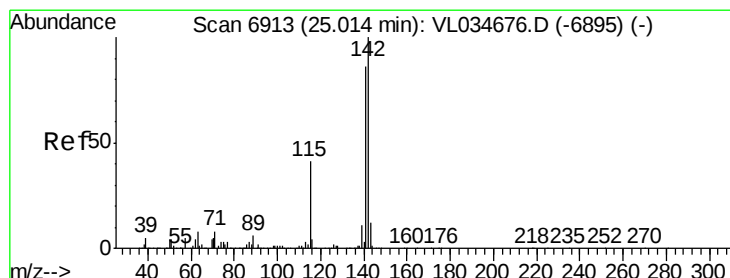
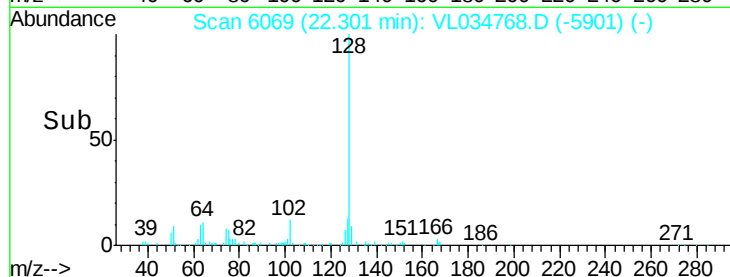
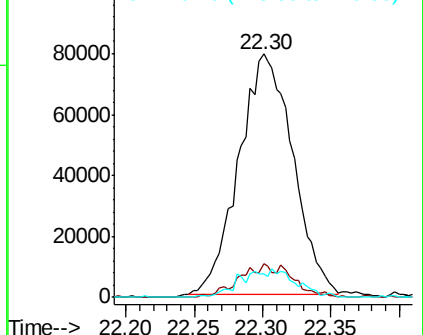
129 9.3 9.4 14.2#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.379 ppbv

RT: 25.04 min Scan# 6922

Delta R.T. 0.03 min

Lab File: VL034768.D

Acq: 3 Mar 2020 17:49

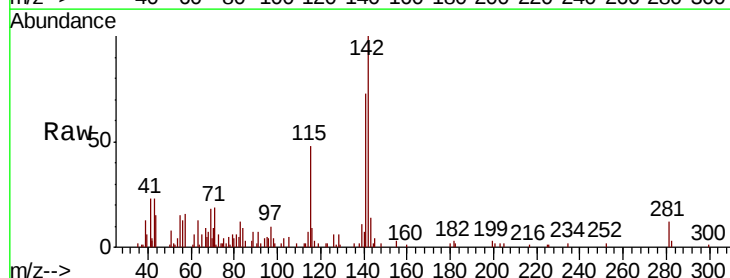
Tgt Ion:142 Resp: 28850

Ion Ratio Lower Upper

142 100

141 84.5 66.5 99.7

115 55.1 30.6 46.0#



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

