

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
 Data File : VL036159.D
 Acq On : 11 Dec 2020 11:20
 Operator : SY/AP
 Sample : L4948-15
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 11 13:43:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1310458	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2544357	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2301381	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2016307	11.03	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.30%

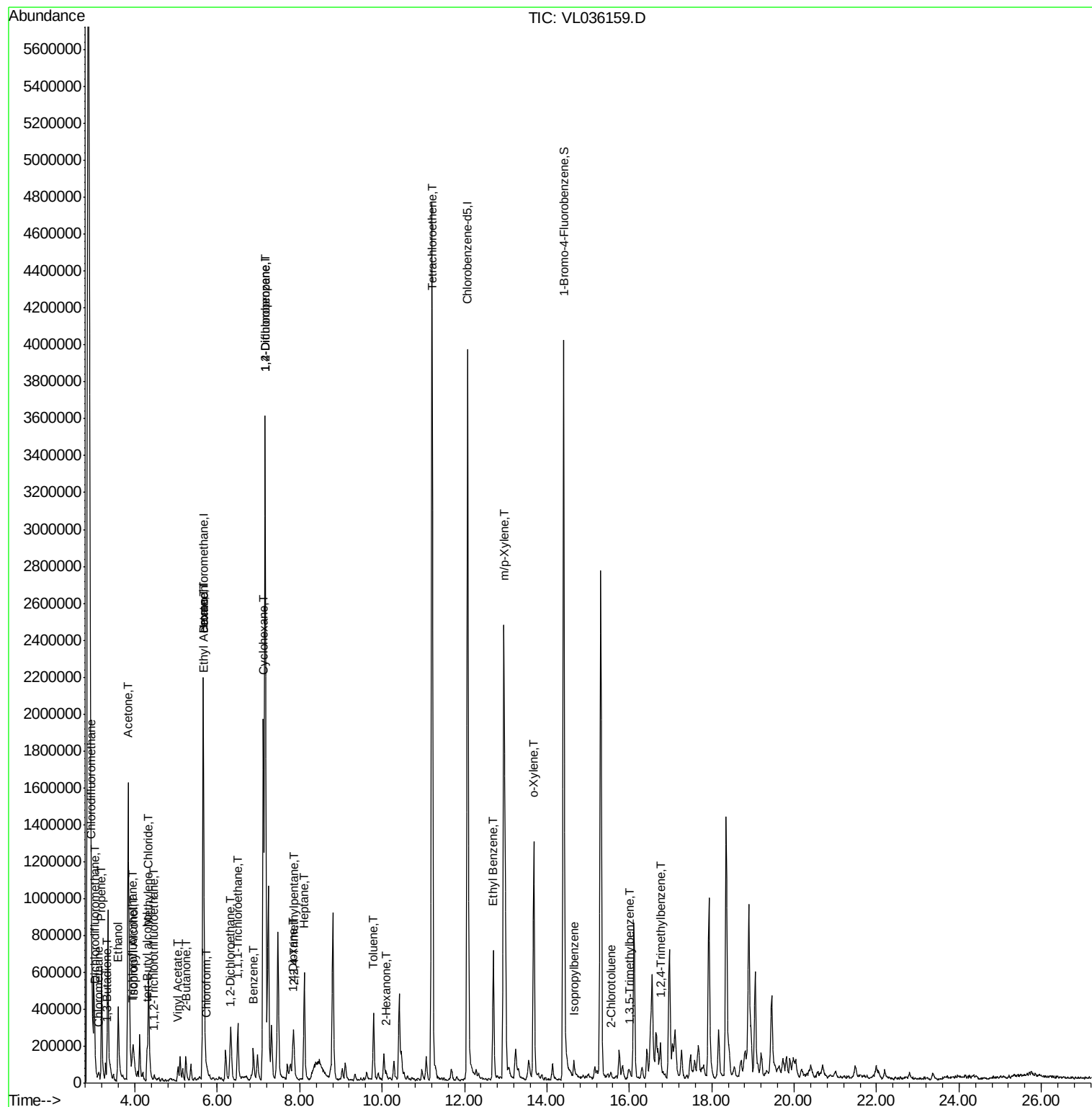
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	40302	0.264	ppbv	93
3) Chlorodifluoromethane	2.95	51	180735	1.209	ppbv #	74
4) Chloromethane	3.12	50	16747	0.228	ppbv	92
9) Propene	3.19	41	170753	2.280	ppbv	89
10) Heptane	8.11	43	272247	1.423	ppbv	96
11) Trichlorofluoromethane	3.94	101	73635	0.410	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	4081	0.033	ppbv #	1
13) Ethanol	3.59	45	551123	53.376	ppbv	85
15) Acetone	3.83	43	2276722	14.456	ppbv	95
16) 1,3-Butadiene	3.31	39	4529	0.057	ppbv #	11
17) tert-Butyl alcohol	4.29	59	9696	0.064	ppbv #	71
19) Isopropyl Alcohol	3.96	45	127380	1.323	ppbv #	100
20) Methylene Chloride	4.33	84	183105	2.837	ppbv	99
23) Vinyl Acetate	5.05	43	35662	0.170	ppbv #	1
25) Ethyl Acetate	5.67	43	151964	0.483	ppbv #	89
26) Hexane	5.67	57	170762	1.206	ppbv #	45
29) Chloroform	5.74	83	8131	0.044	ppbv	84
30) Cyclohexane	7.11	84	651795	6.266	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	85394	0.445	ppbv #	28
34) 2-Butanone	5.24	43	177825	1.054	ppbv	99
36) Benzene	6.88	78	127887	0.593	ppbv	94
37) 1,2-Dichloroethane	6.29	62	3801	0.030	ppbv #	83
39) 1,2-Dichloropropane	7.16	63	808415	9.493	ppbv #	24
40) 1,4-Dioxane	7.83	88	12494	0.466	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	63564	0.163	ppbv #	1
51) 2-Hexanone	10.10	43	6983	0.035	ppbv #	29
52) Tetrachloroethene	11.21	164	1075559	13.779	ppbv	95
53) Toluene	9.79	91	243064	1.004	ppbv	97
58) Ethyl Benzene	12.70	91	625408	1.983	ppbv	99
59) m/p-Xylene	12.95	91	2635913	9.923	ppbv	99
60) o-Xylene	13.68	91	1015131	4.056	ppbv	97
62) Isopropylbenzene	14.66	105	49792	0.134	ppbv #	86
71) 2-Chlorotoluene	15.55	91	11589	0.041	ppbv #	52
73) 1,3,5-Trimethylbenzene	15.99	105	17597	0.068	ppbv #	62
74) 1,2,4-Trimethylbenzene	16.75	105	43669	0.168	ppbv #	68

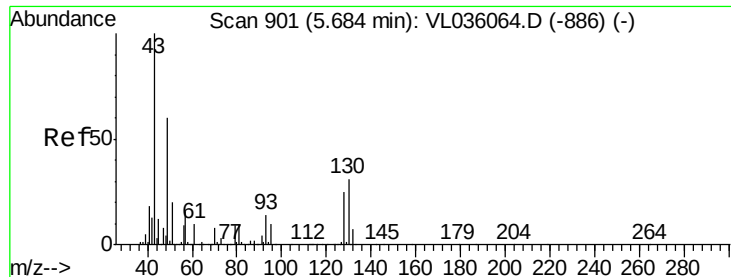
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
Data File : VL036159.D
Acq On : 11 Dec 2020 11:20
Operator : SY/AP
Sample : L4948-15
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 11 13:43:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :
MSVOA_X
ClientSampleId :

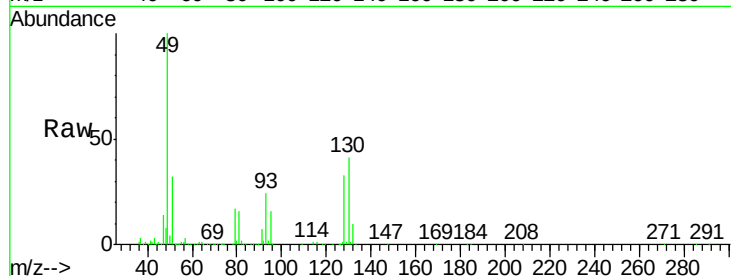
Tgt Ion: 49 Resp: 1310458

Ion Ratio Lower Upper

49 100

128 34.8 21.1 63.1

130 44.9 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

600000

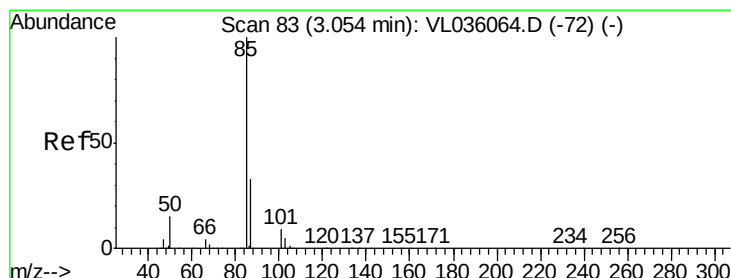
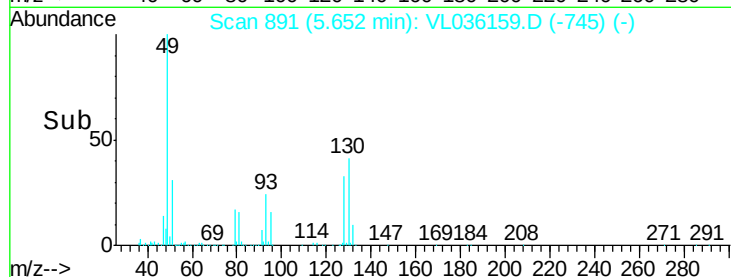
400000

200000

0

Time-->

5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.264 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036159.D

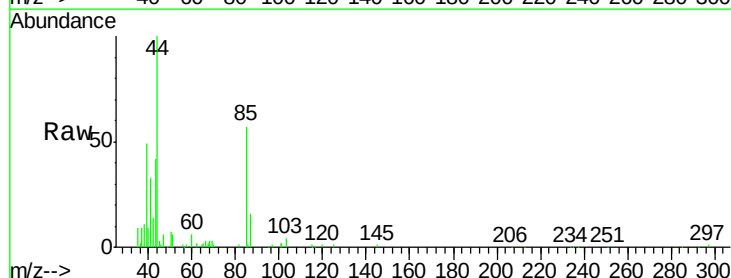
Acq: 11 Dec 2020 11:20

Tgt Ion: 85 Resp: 40302

Ion Ratio Lower Upper

85 100

87 29.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

30000

25000

20000

15000

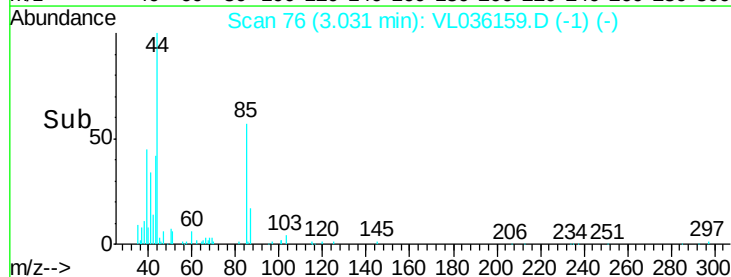
10000

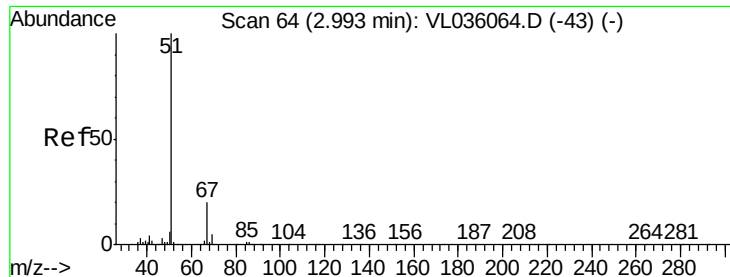
5000

0

Time-->

3.00 3.05





#3

Chlorodifluoromethane

Concen: 1.209 ppbv

RT: 2.95 min Scan# 50

Delta R.T. -0.04 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

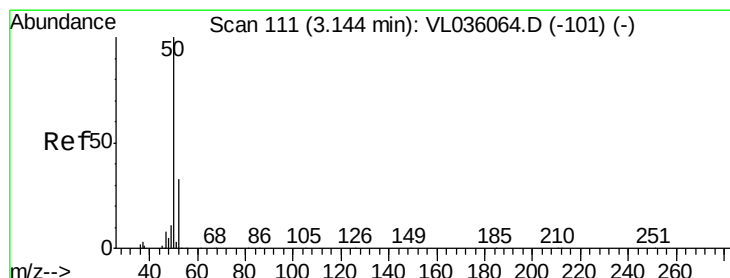
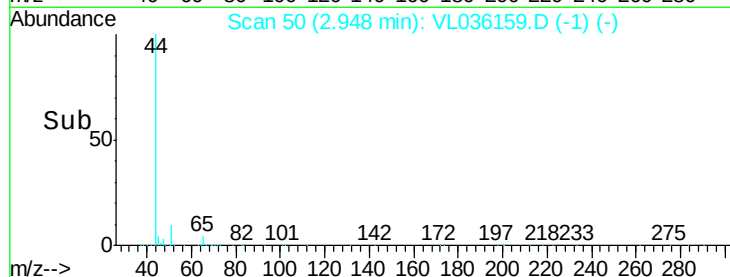
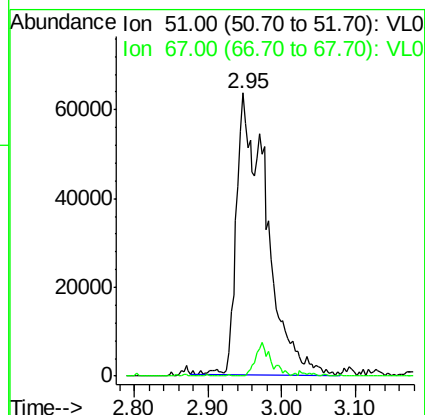
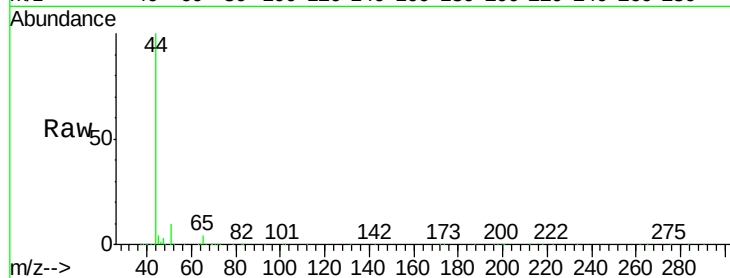
ClientSampleId :

Tgt Ion: 51 Resp: 180735

Ion Ratio Lower Upper

51 100

67 6.3 14.3 21.5#



#4

Chloromethane

Concen: 0.228 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036159.D

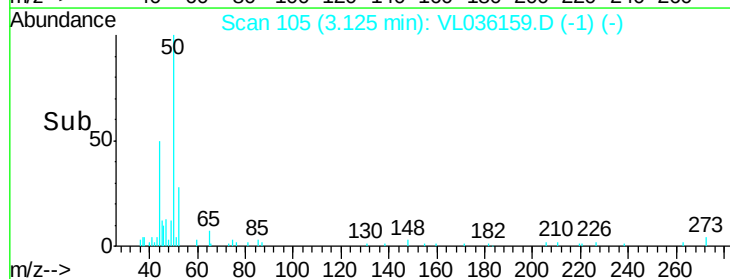
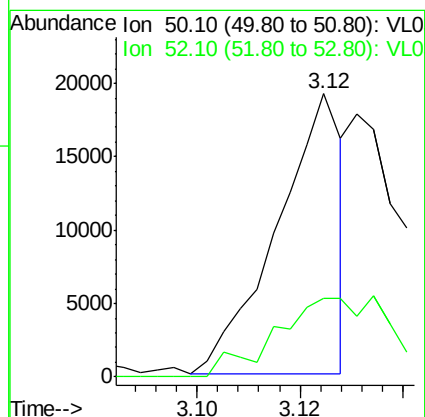
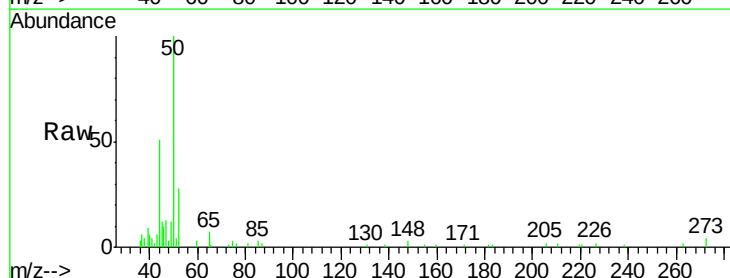
Acq: 11 Dec 2020 11:20

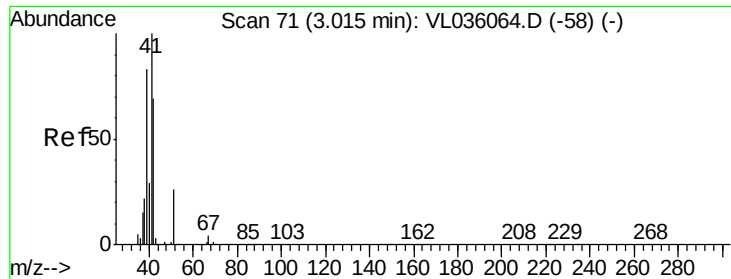
Tgt Ion: 50 Resp: 16747

Ion Ratio Lower Upper

50 100

52 28.0 26.1 39.1





#9

Propene

Concen: 2.280 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.17 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

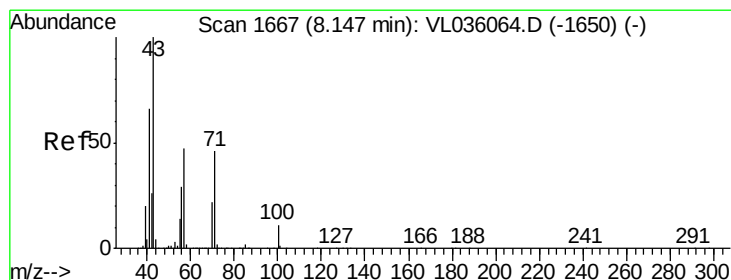
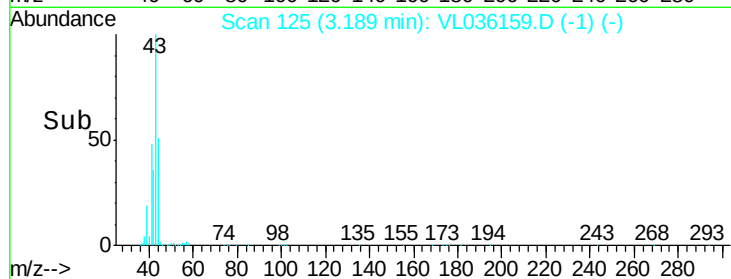
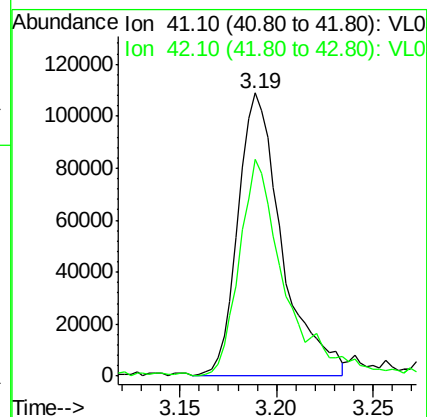
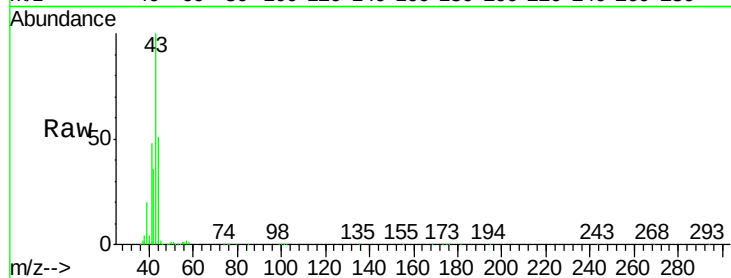
ClientSampleId :

Tgt Ion: 41 Resp: 170753

Ion Ratio Lower Upper

41 100

42 80.7 57.0 85.6



#10

Heptane

Concen: 1.423 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.04 min

Lab File: VL036159.D

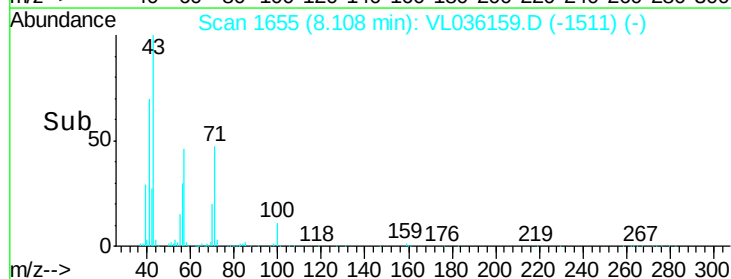
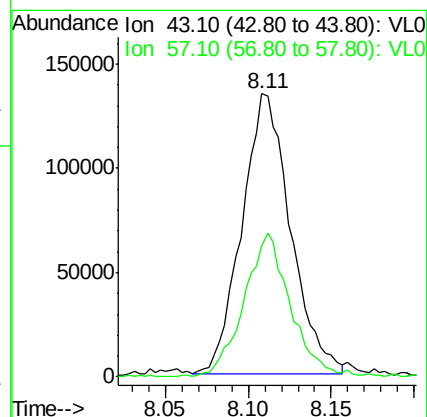
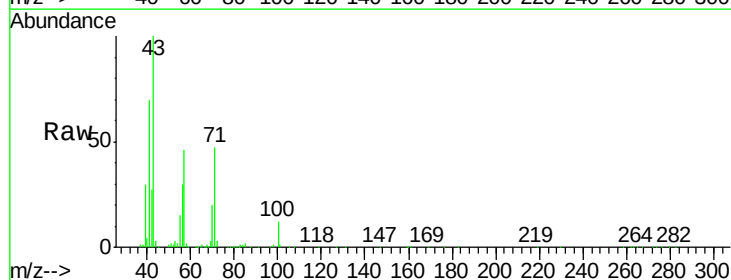
Acq: 11 Dec 2020 11:20

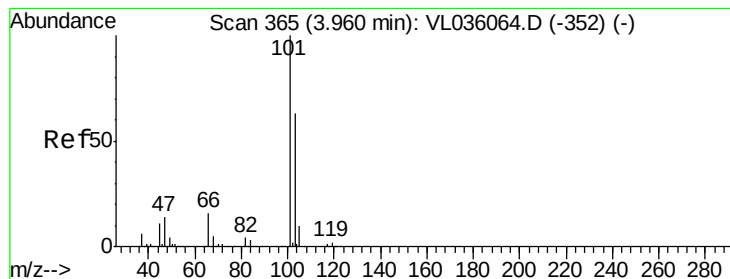
Tgt Ion: 43 Resp: 272247

Ion Ratio Lower Upper

43 100

57 49.8 37.9 56.9





#11

Trichlorofluoromethane

Concen: 0.410 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

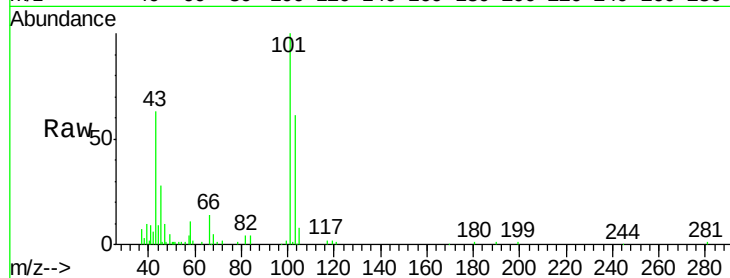
ClientSampleId :

Tgt Ion:101 Resp: 73635

Ion Ratio Lower Upper

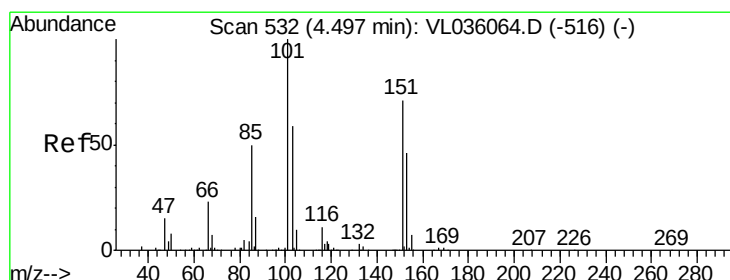
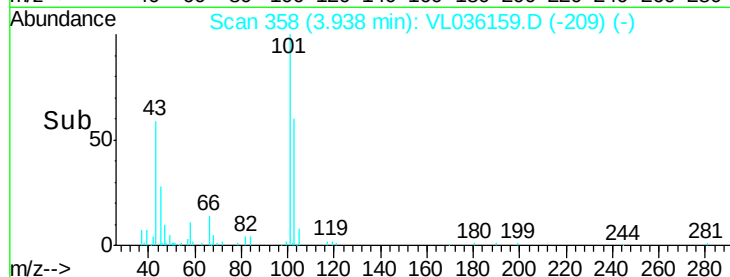
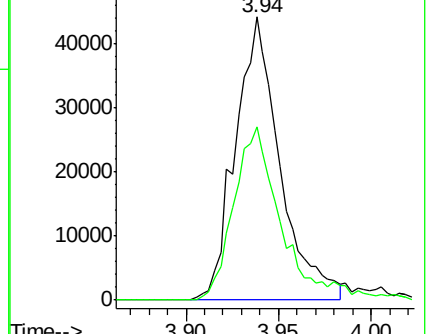
101 100

103 61.4 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.033 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.03 min

Lab File: VL036159.D

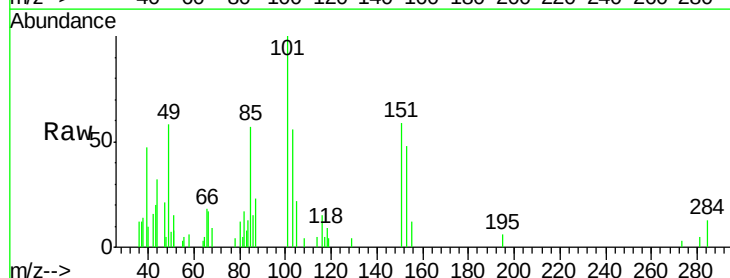
Acq: 11 Dec 2020 11:20

Tgt Ion:101 Resp: 4081

Ion Ratio Lower Upper

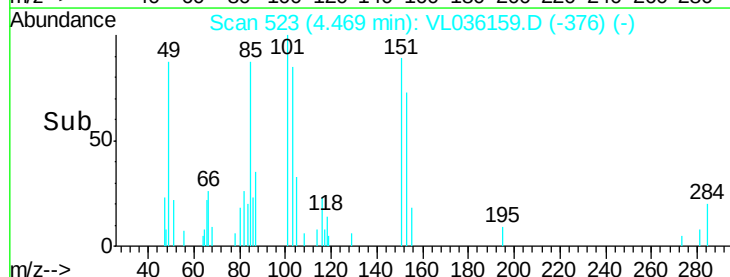
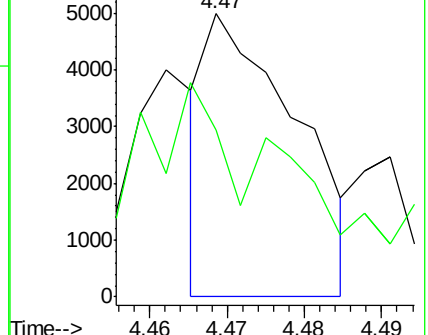
101 100

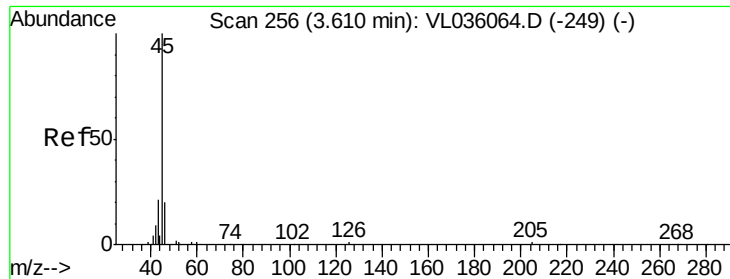
151 164.3 59.3 88.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 53.376 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

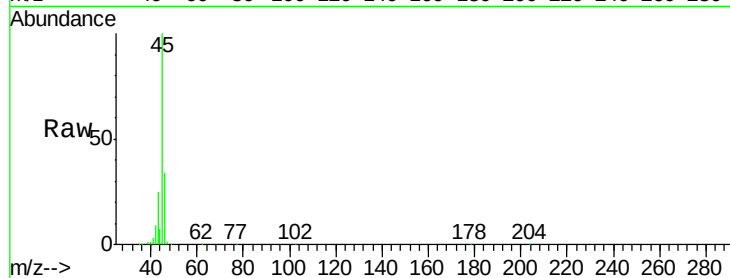
ClientSampleId :

Tgt Ion: 45 Resp: 551123

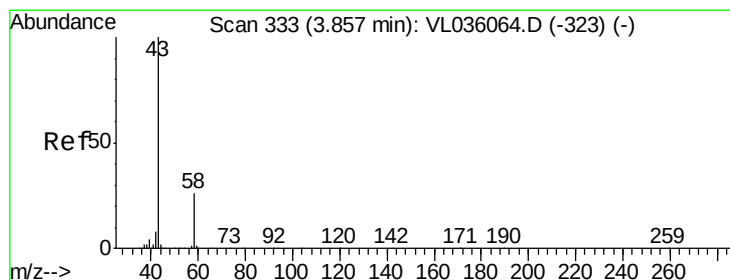
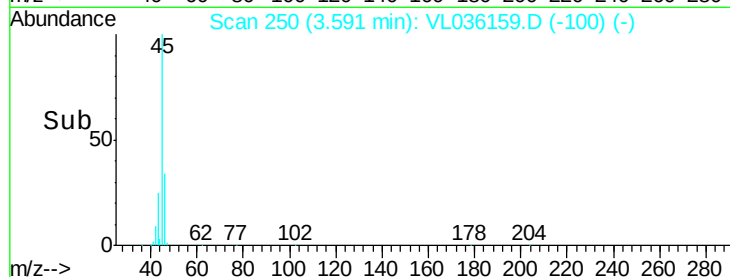
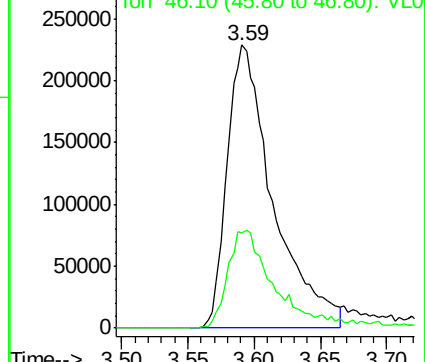
Ion Ratio Lower Upper

45 100

46 37.5 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0



#15

Acetone

Concen: 14.456 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.03 min

Lab File: VL036159.D

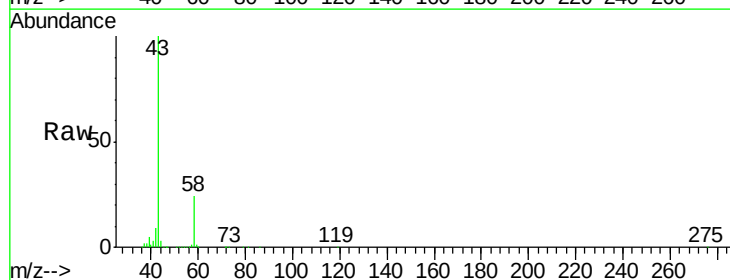
Acq: 11 Dec 2020 11:20

Tgt Ion: 43 Resp: 2276722

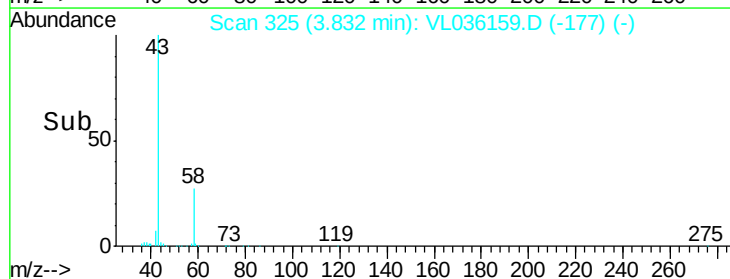
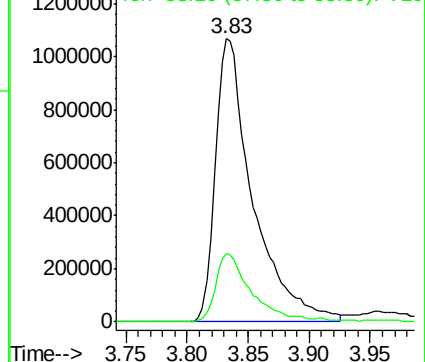
Ion Ratio Lower Upper

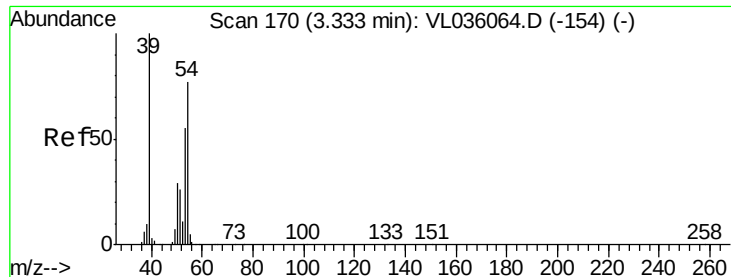
43 100

58 23.7 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

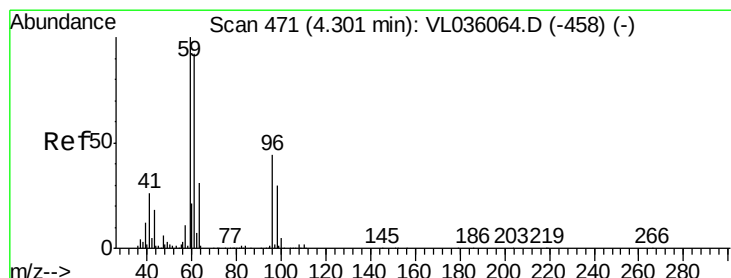
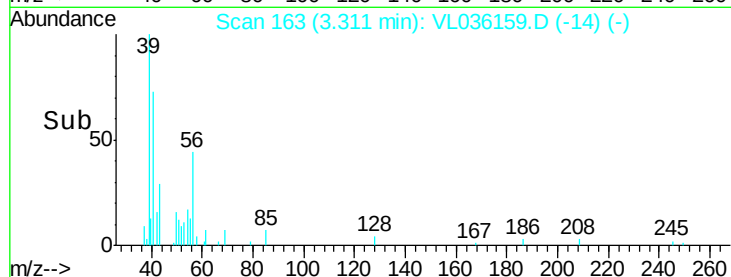
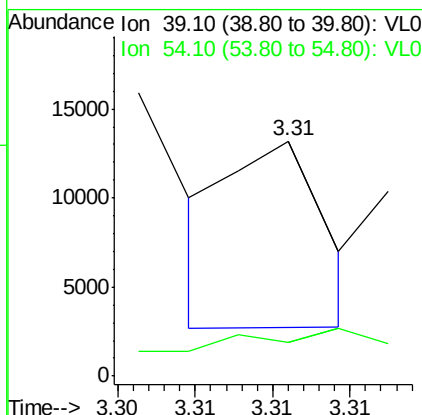
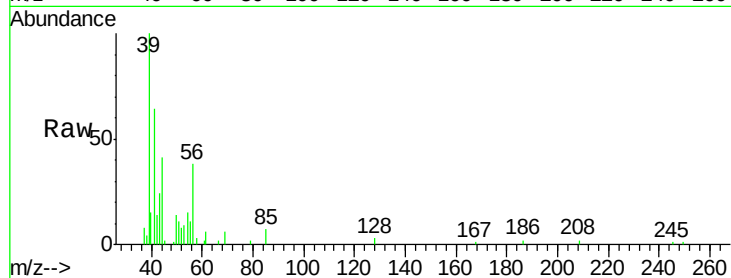




#16
 1,3-Butadiene
 Concen: 0.057 ppbv
 RT: 3.31 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VL036159.D
 Acq: 11 Dec 2020 11:20

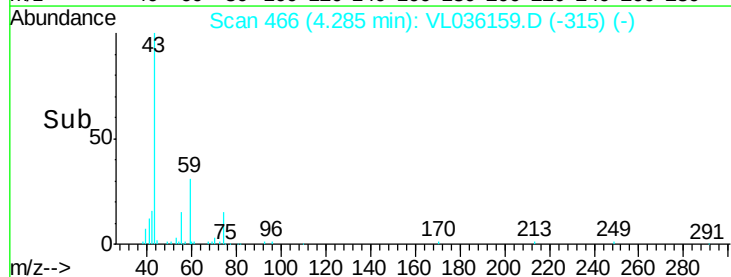
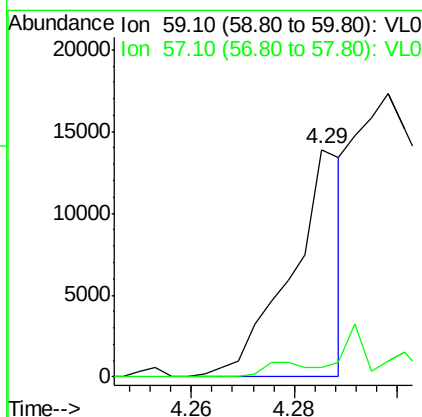
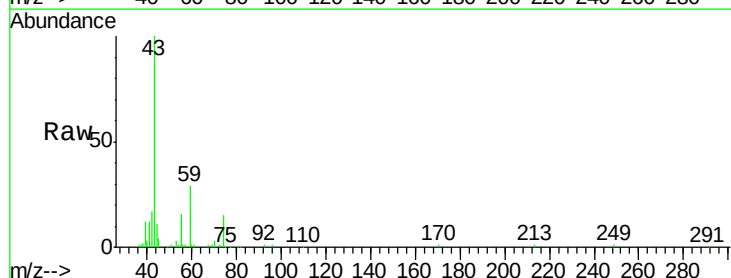
Instrument :
 MSVOA_X
 ClientSampleId :

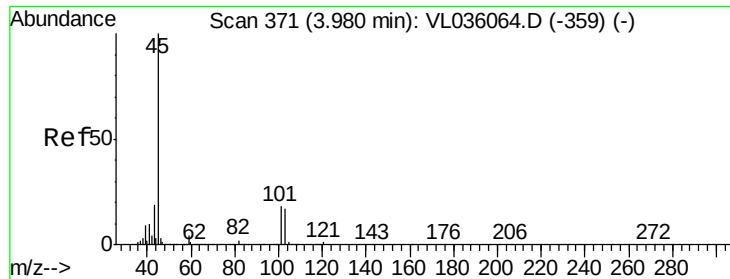
Tgt Ion: 39 Resp: 4529
 Ion Ratio Lower Upper
 39 100
 54 0.0 62.1 93.1#



#17
 tert-Butyl alcohol
 Concen: 0.064 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: VL036159.D
 Acq: 11 Dec 2020 11:20

Tgt Ion: 59 Resp: 9696
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

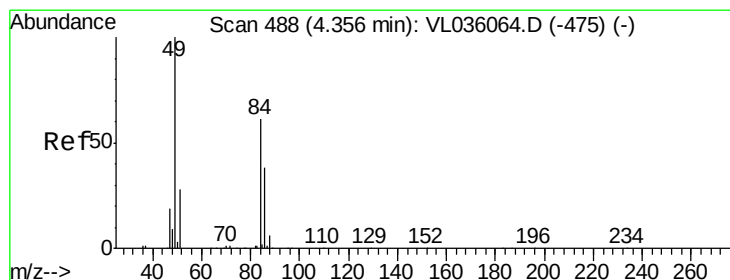
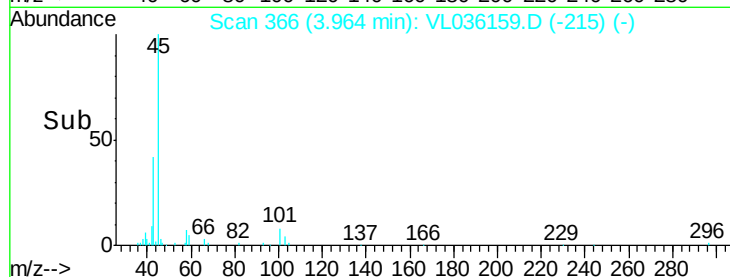
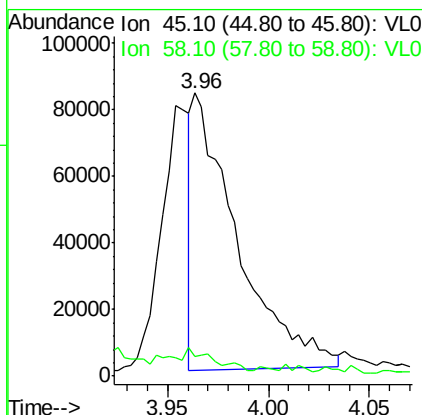
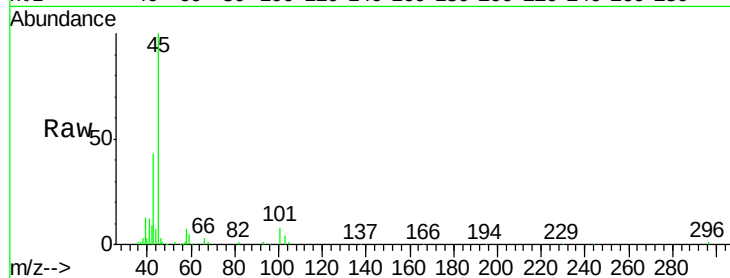




#19
Isopropyl Alcohol
Concen: 1.323 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.02 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

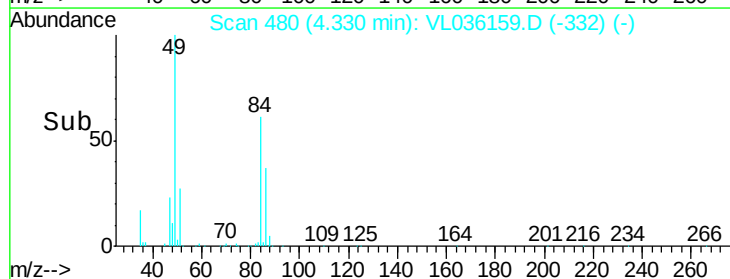
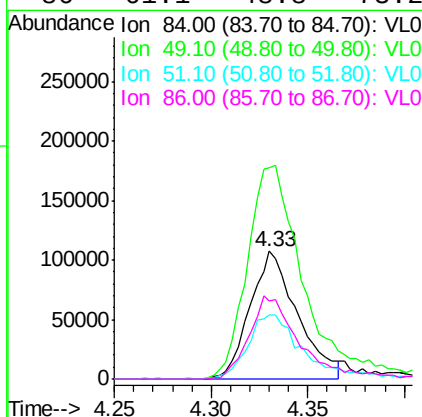
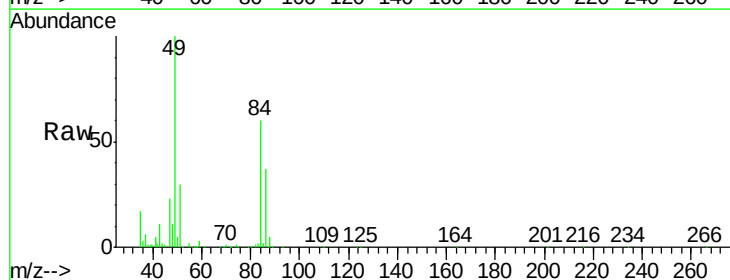
Instrument :
MSVOA_X
ClientSampleId :

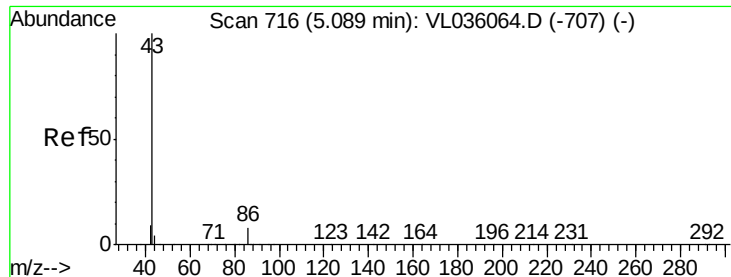
Tgt Ion: 45 Resp: 127380
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0



#20
Methylene Chloride
Concen: 2.837 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

Tgt Ion: 84 Resp: 183105
Ion Ratio Lower Upper
84 100
49 165.3 133.0 199.4
51 49.8 38.9 58.3
86 61.1 48.8 73.2





#23

Vinyl Acetate

Concen: 0.170 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.04 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

ClientSampled :

Tgt Ion: 43 Resp: 35662

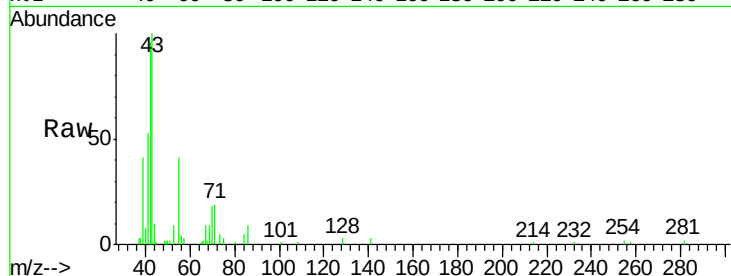
Ion Ratio Lower Upper

43 100

86 9.3 5.0 7.4#

42 101.6 7.8 11.6#

44 3.0 3.2 4.8#

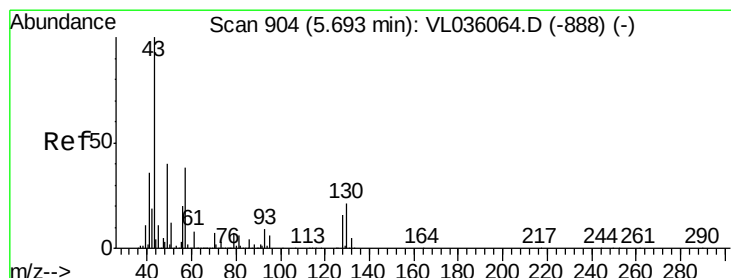
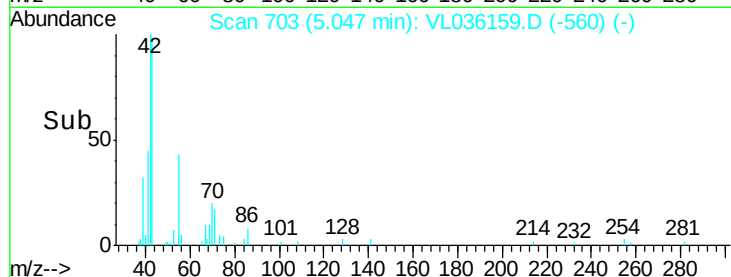
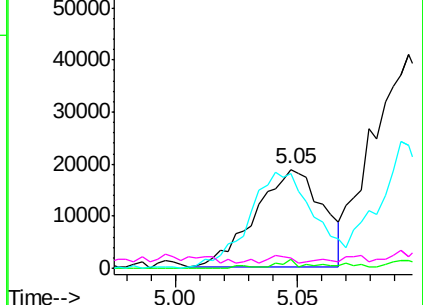


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.483 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.02 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Tgt Ion: 43 Resp: 151964

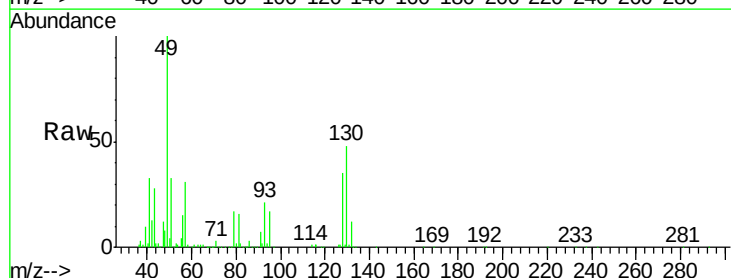
Ion Ratio Lower Upper

43 100

45 7.0 8.2 12.4#

61 3.7 7.4 11.2#

70 3.1 5.4 8.0#

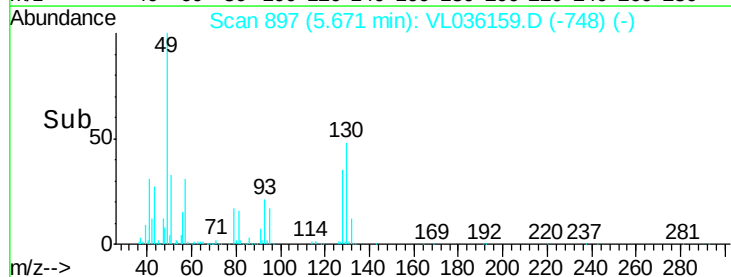
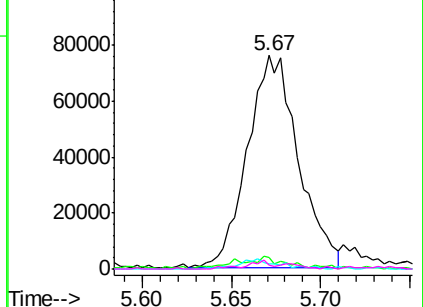


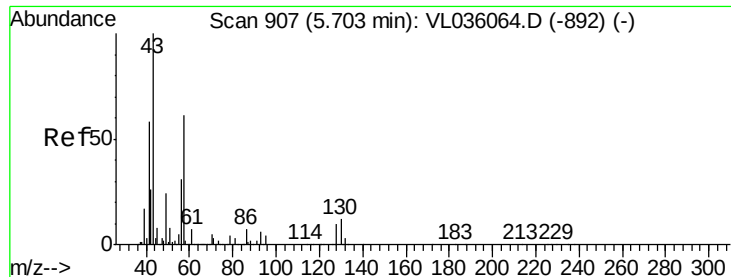
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

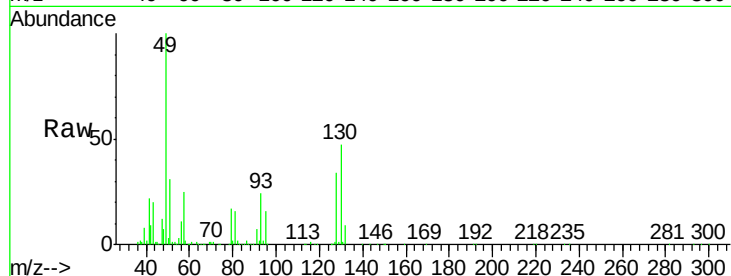




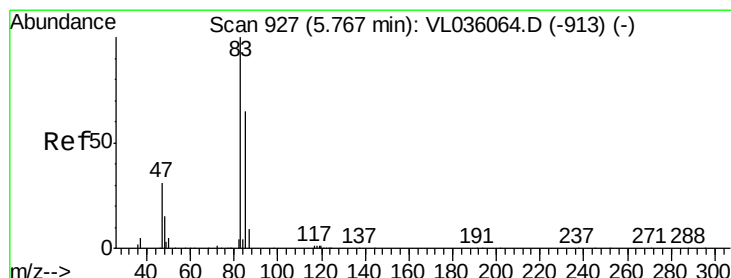
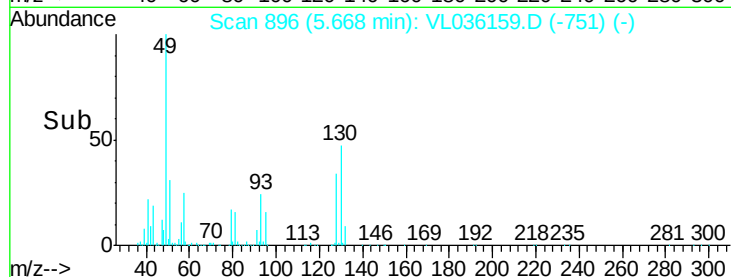
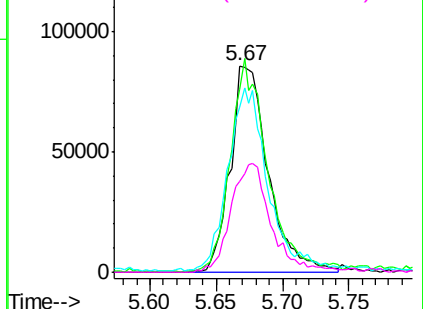
#26
Hexane
Concen: 1.206 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.04 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 57 Resp: 170762
Ion Ratio Lower Upper
57 100
41 103.7 82.9 124.3
43 96.3 199.9 299.9#
56 56.6 43.1 64.7

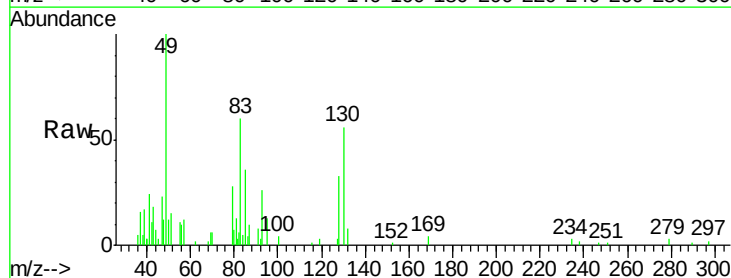


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

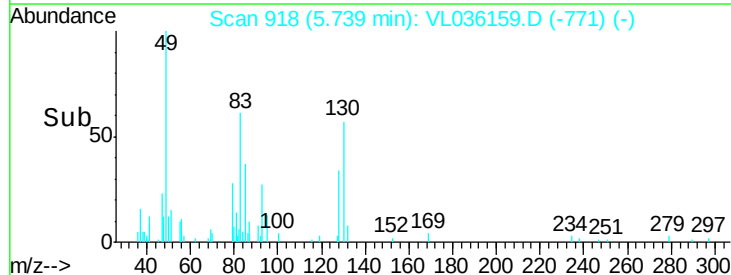
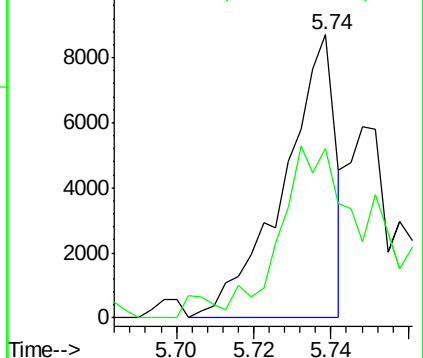


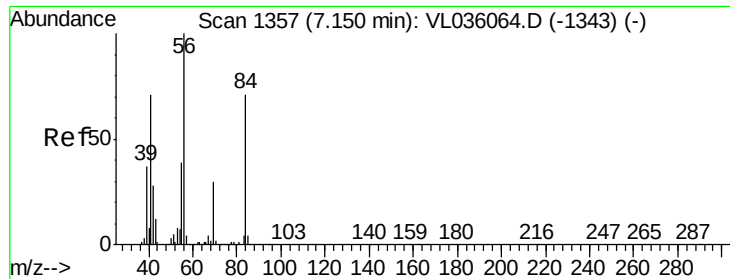
#29
Chloroform
Concen: 0.044 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.03 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

Tgt Ion: 83 Resp: 8131
Ion Ratio Lower Upper
83 100
85 52.0 51.8 77.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

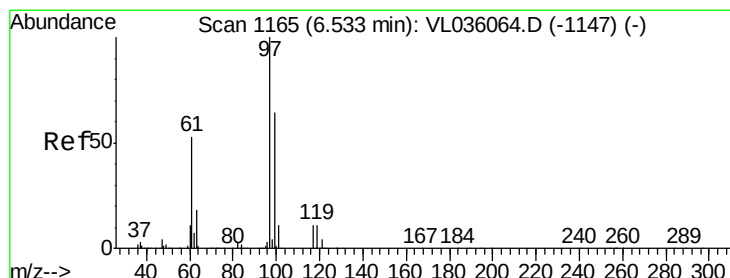
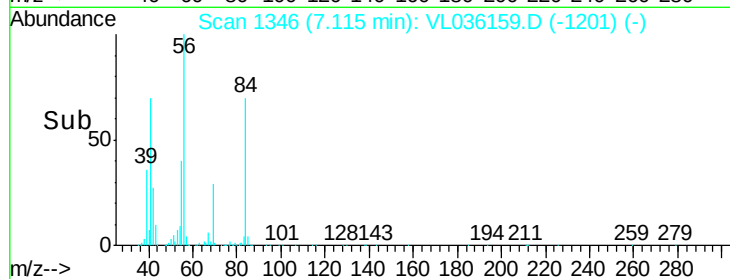
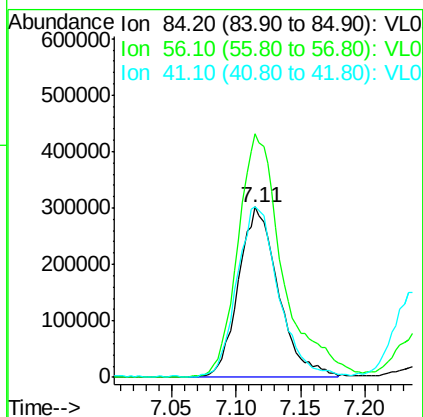
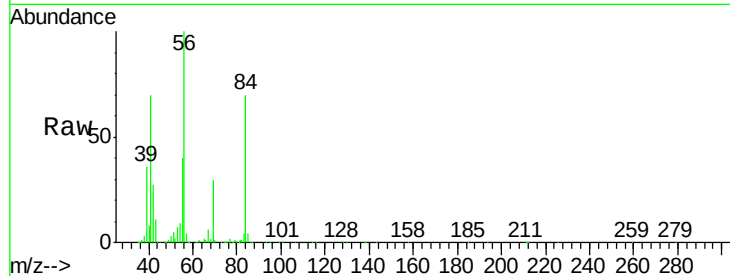




#30
Cyclohexane
Concen: 6.266 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.04 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

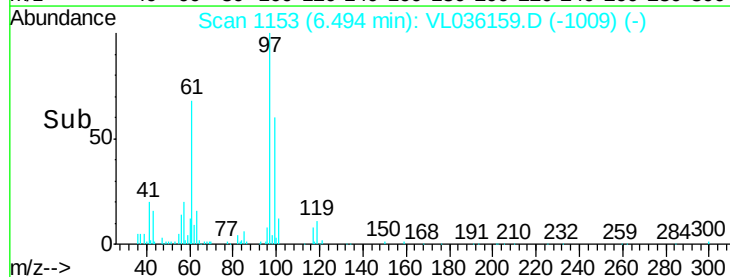
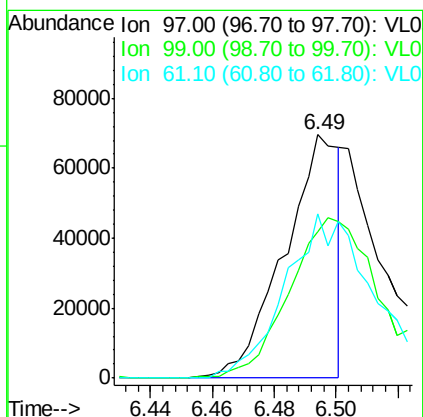
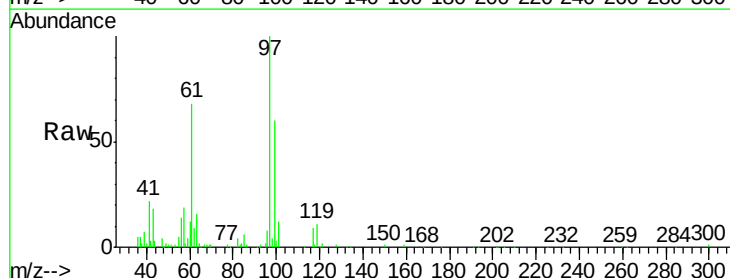
Instrument :
MSVOA_X
ClientSampled :

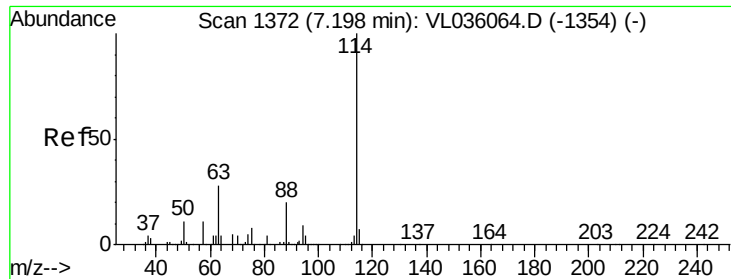
Tgt Ion: 84 Resp: 651795
Ion Ratio Lower Upper
84 100
56 160.9 128.0 192.0
41 104.7 81.3 121.9



#32
1,1,1-Trichloroethane
Concen: 0.445 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.04 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

Tgt Ion: 97 Resp: 85394
Ion Ratio Lower Upper
97 100
99 114.7 52.4 78.6#
61 114.2 43.4 65.0#

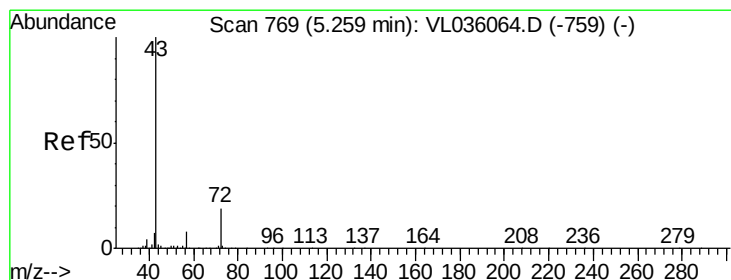
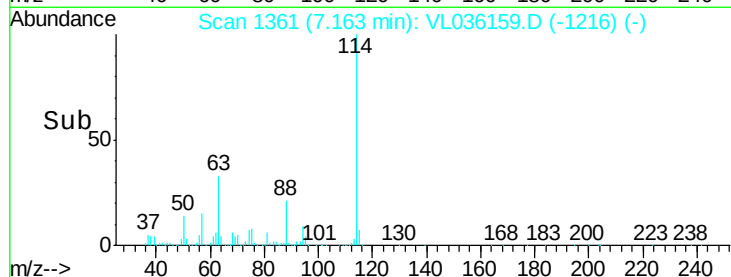
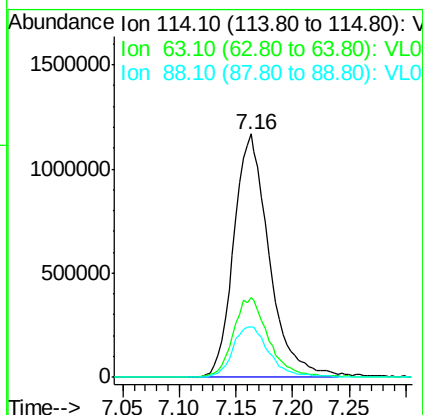
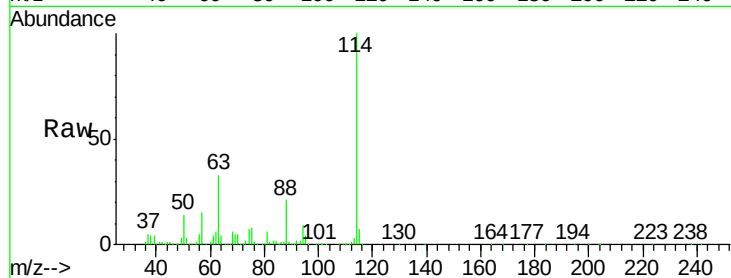




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.04 min
 Lab File: VL036159.D
 Acq: 11 Dec 2020 11:20

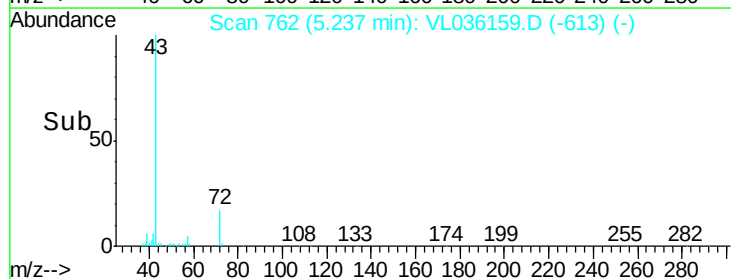
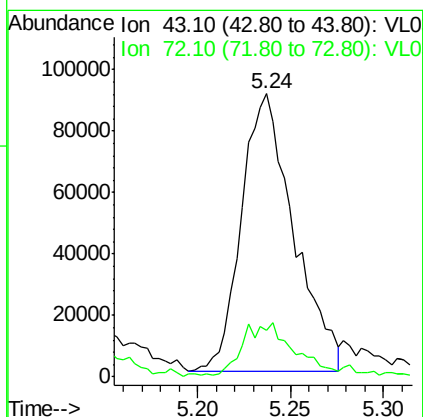
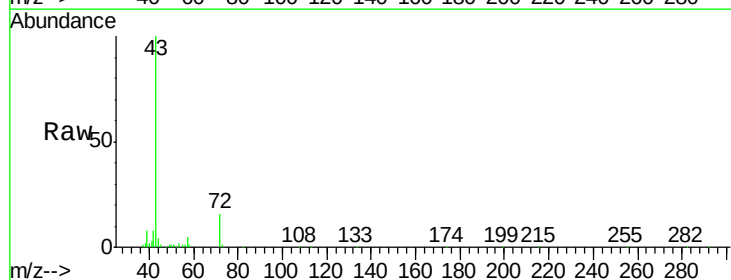
Instrument :
 MSVOA_X
 ClientSampleId :

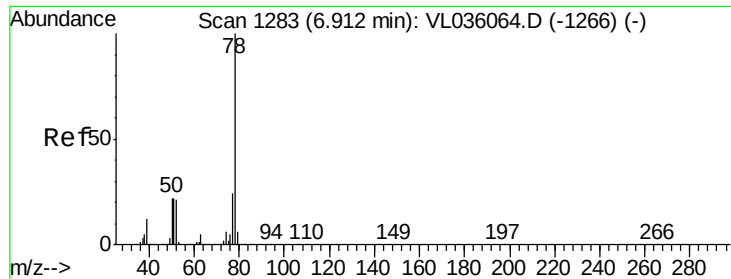
Tgt Ion: 114 Resp: 2544357
 Ion Ratio Lower Upper
 114 100
 63 33.5 23.6 35.4
 88 21.6 15.8 23.6



#34
 2-Butanone
 Concen: 1.054 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL036159.D
 Acq: 11 Dec 2020 11:20

Tgt Ion: 43 Resp: 177825
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.5 24.7





#36

Benzene

Concen: 0.593 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.04 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

ClientSampleId :

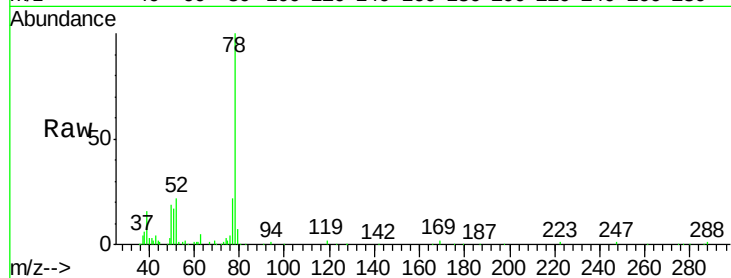
Tgt Ion: 78 Resp: 127887

Ion Ratio Lower Upper

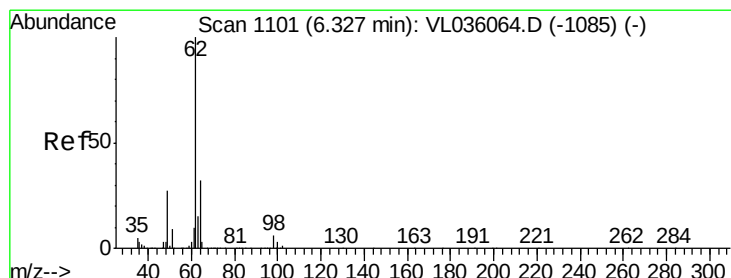
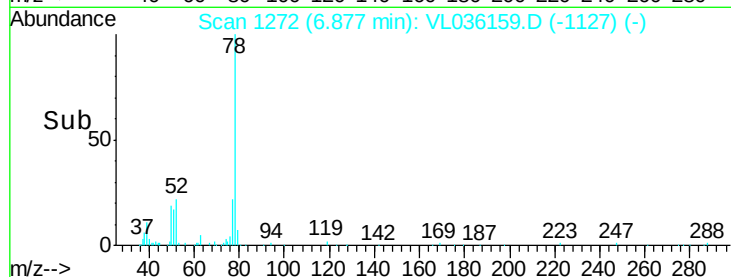
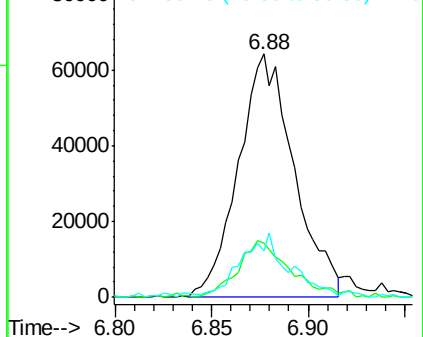
78 100

77 22.3 19.4 29.2

50 18.4 17.8 26.8



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



#37

1,2-Dichloroethane

Concen: 0.030 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.03 min

Lab File: VL036159.D

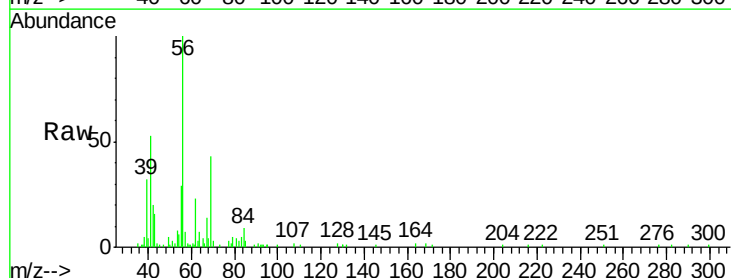
Acq: 11 Dec 2020 11:20

Tgt Ion: 62 Resp: 3801

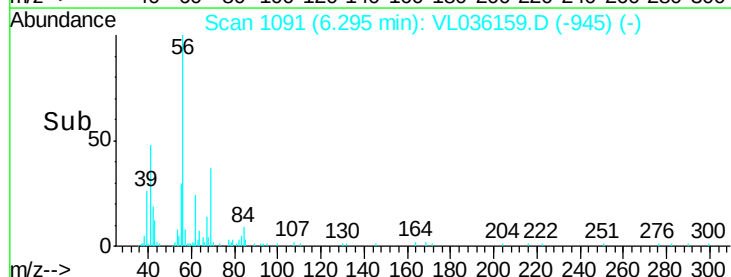
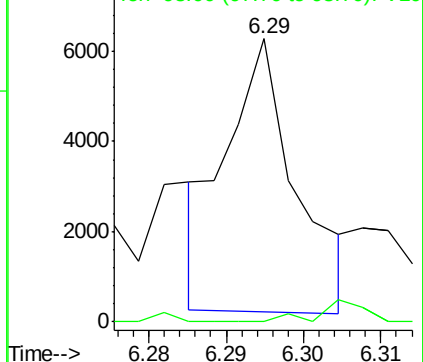
Ion Ratio Lower Upper

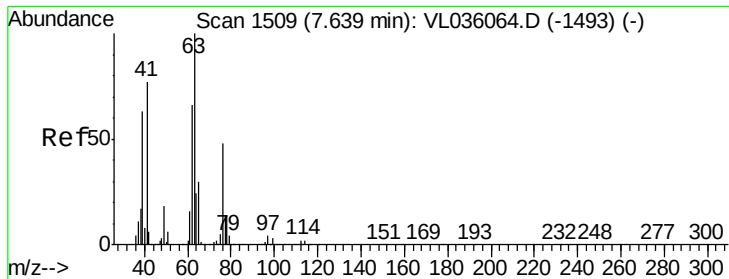
62 100

98 0.0 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 9.493 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.48 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

ClientSampled :

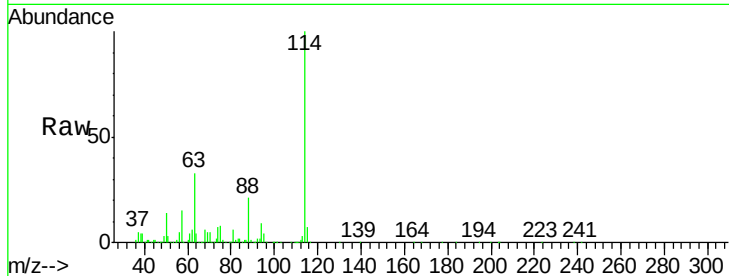
Tgt Ion: 63 Resp: 808415

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

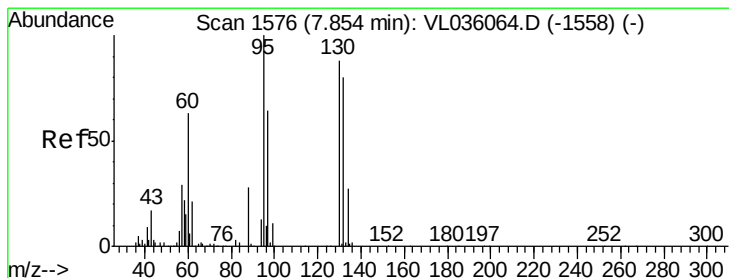
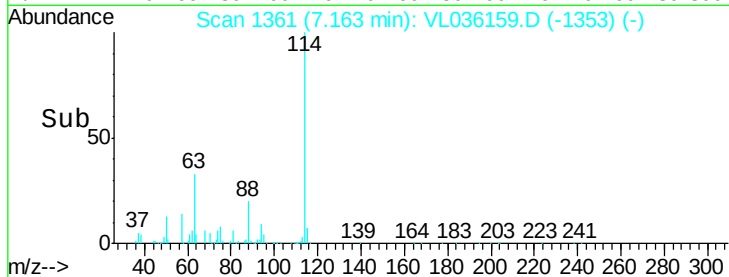
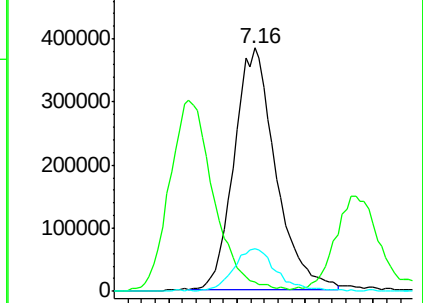
62 17.4 52.5 78.7#



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



#40

1,4-Dioxane

Concen: 0.466 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.03 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Tgt Ion: 88 Resp: 12494

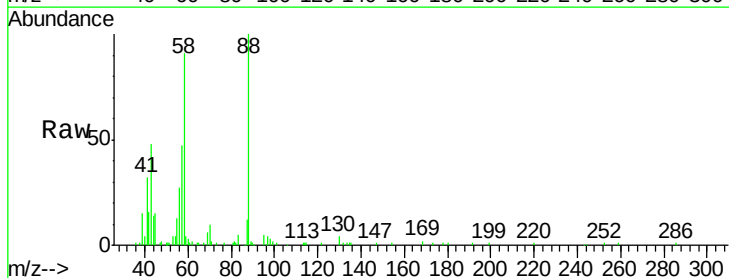
Ion Ratio Lower Upper

88 100

58 779.7 122.6 184.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

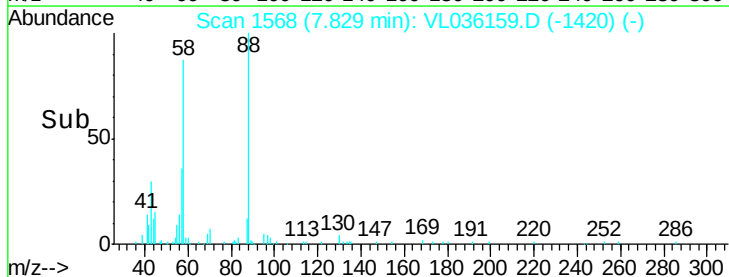
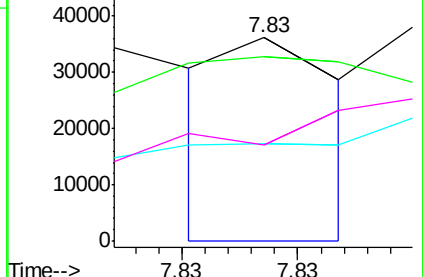


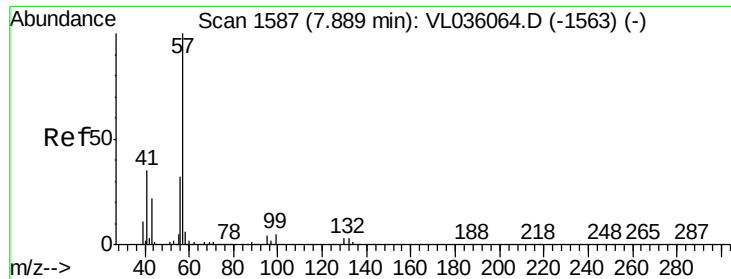
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.163 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.03 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

ClientSampleId :

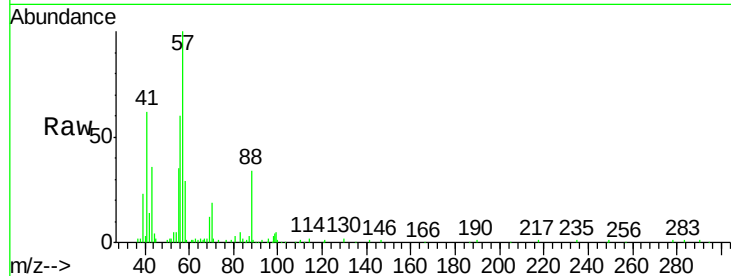
Tgt Ion: 57 Resp: 63564

Ion Ratio Lower Upper

57 100

41 123.7 28.9 43.3#

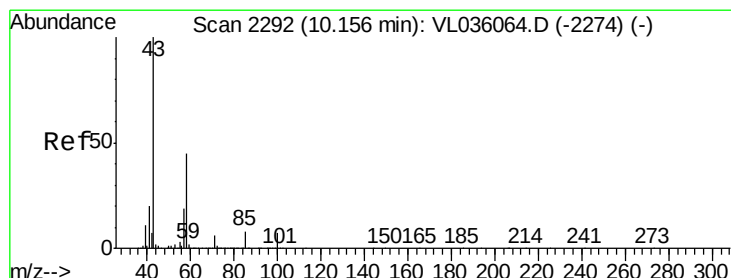
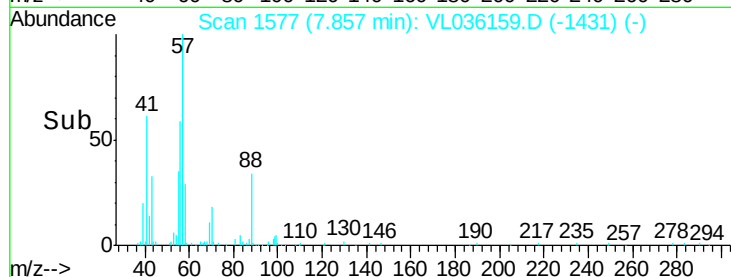
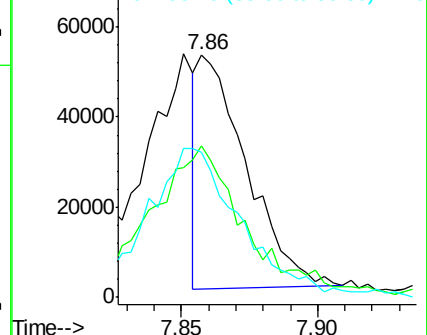
56 122.5 25.3 37.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#51

2-Hexanone

Concen: 0.035 ppbv

RT: 10.10 min Scan# 2275

Delta R.T. -0.05 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

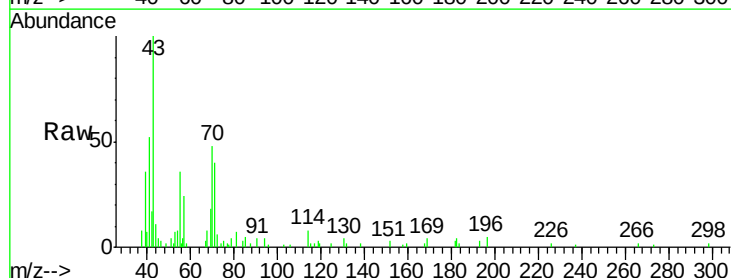
Tgt Ion: 43 Resp: 6983

Ion Ratio Lower Upper

43 100

58 0.0 38.7 58.1#

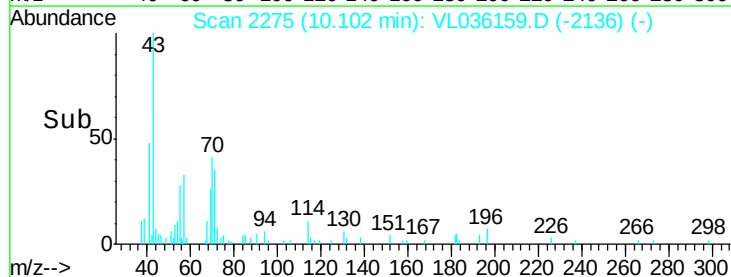
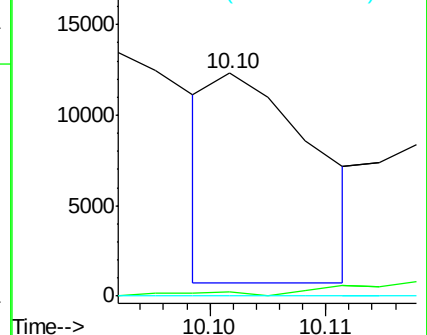
98 0.0 0.1 0.1#

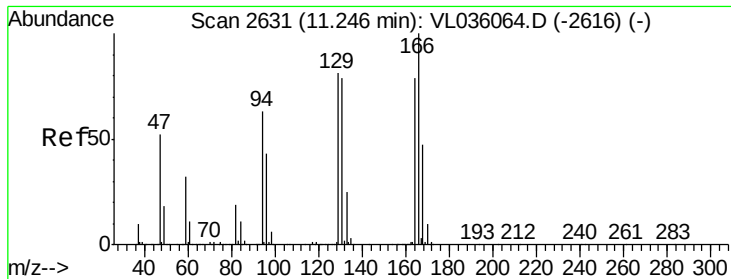


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 13.779 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. -0.03 min

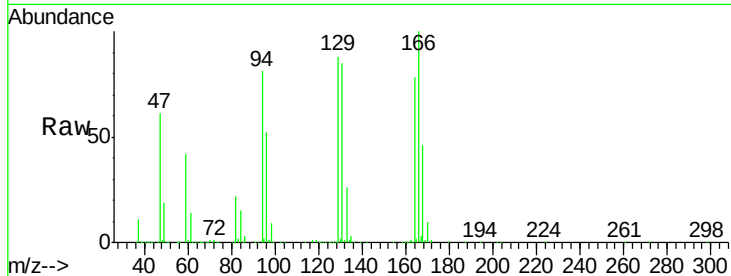
Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:164 Resp: 1075559

Ion Ratio Lower Upper

164 100

166 127.4 101.9 152.9

129 111.8 82.1 123.1

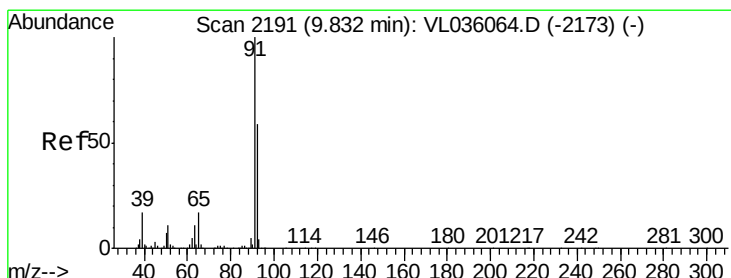
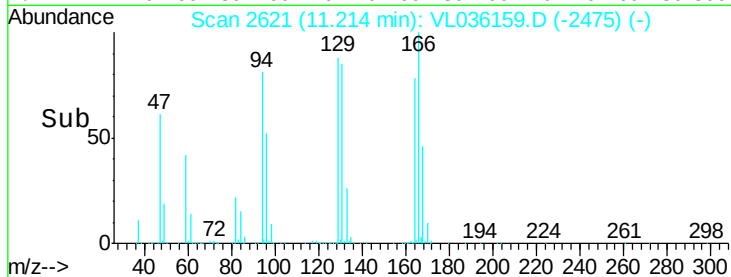
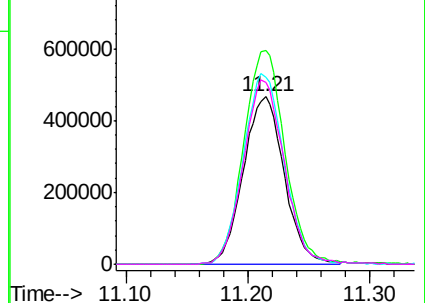
131 108.4 80.8 121.2

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.004 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.04 min

Lab File: VL036159.D

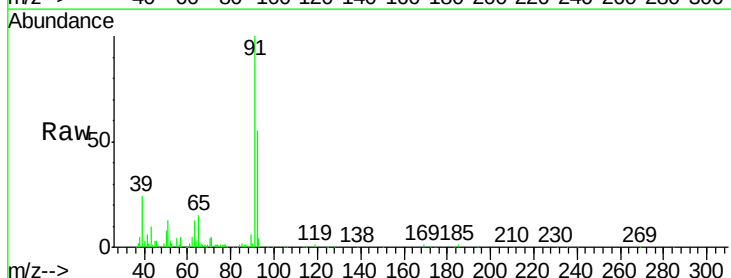
Acq: 11 Dec 2020 11:20

Tgt Ion: 91 Resp: 243064

Ion Ratio Lower Upper

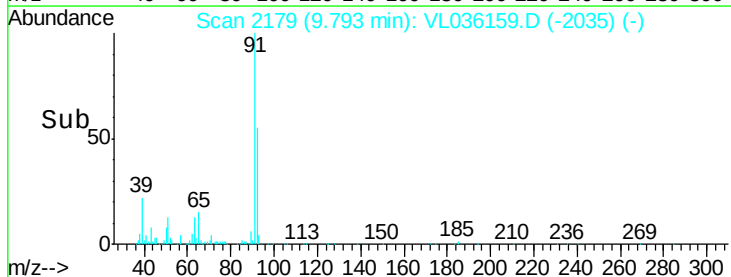
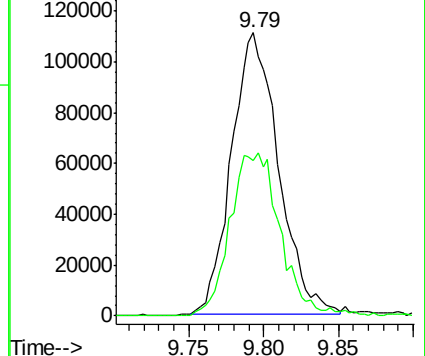
91 100

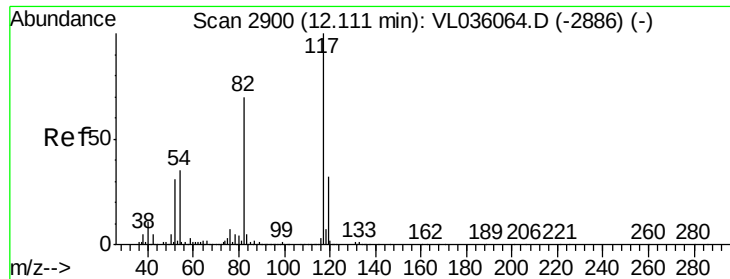
92 62.1 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

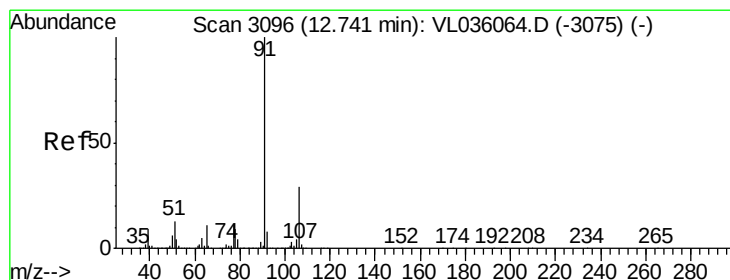
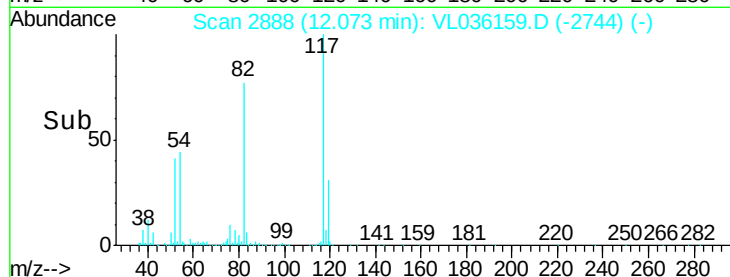
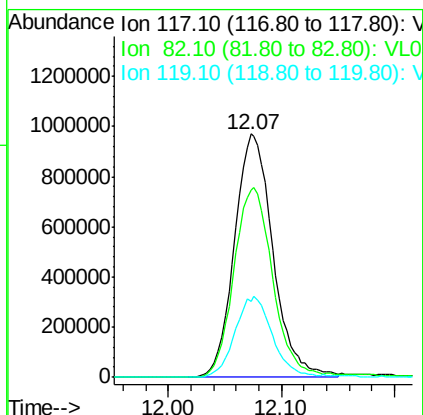
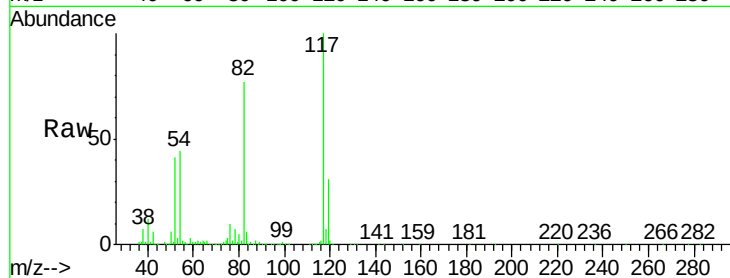




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

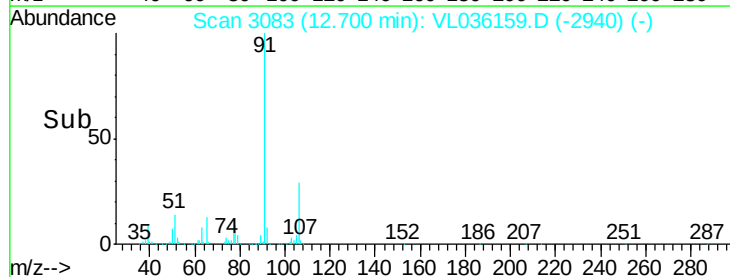
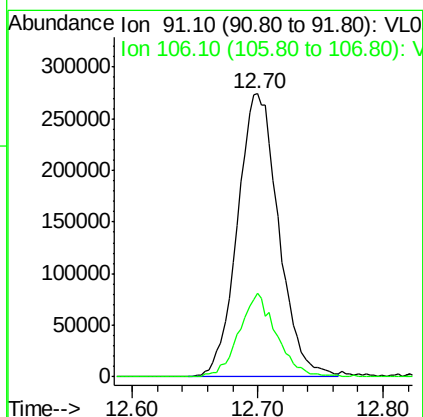
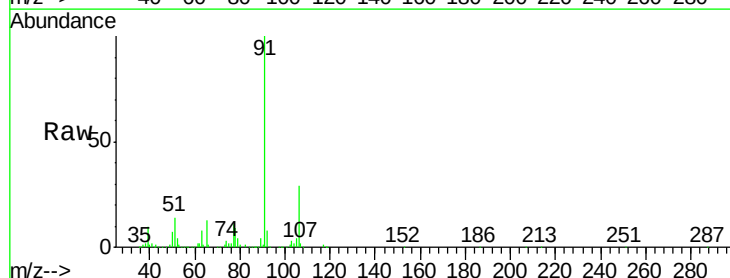
Instrument :
MSVOA_X
ClientSampleId :

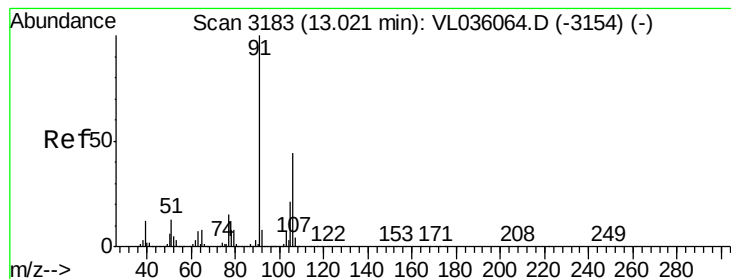
Tgt Ion: 117 Resp: 2301381
Ion Ratio Lower Upper
117 100
82 80.4 0.0 0.0#
119 33.0 0.0 0.0#



#58
Ethyl Benzene
Concen: 1.983 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.04 min
Lab File: VL036159.D
Acq: 11 Dec 2020 11:20

Tgt Ion: 91 Resp: 625408
Ion Ratio Lower Upper
91 100
106 29.2 23.0 34.4





#59

m/p-Xylene

Concen: 9.923 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. -0.07 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

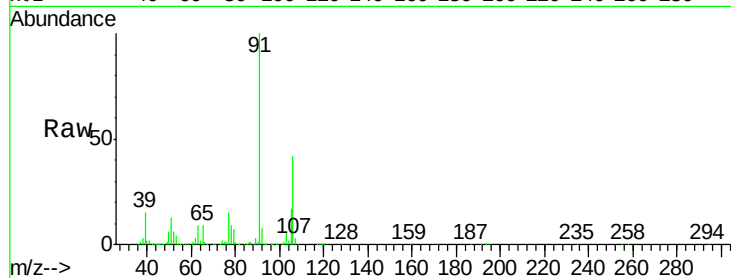
ClientSampleId :

Tgt Ion: 91 Resp: 2635913

Ion Ratio Lower Upper

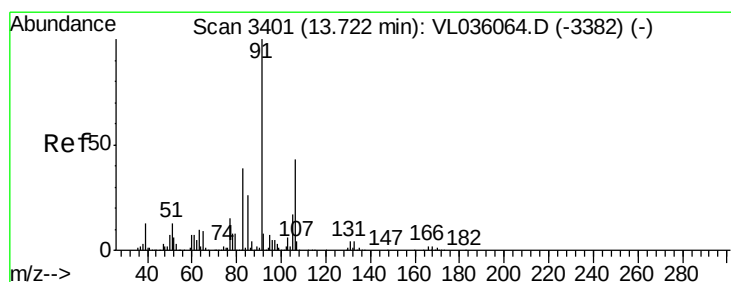
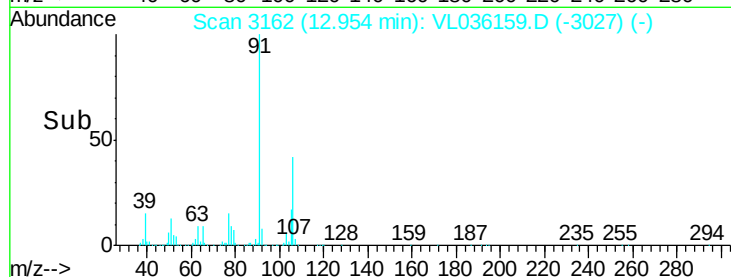
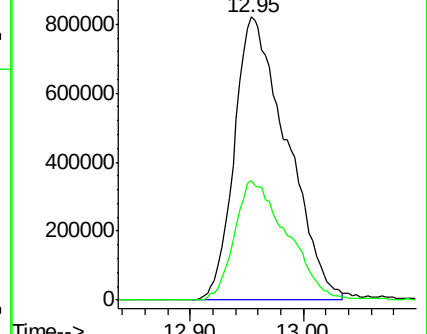
91 100

106 42.9 33.6 50.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 4.056 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.04 min

Lab File: VL036159.D

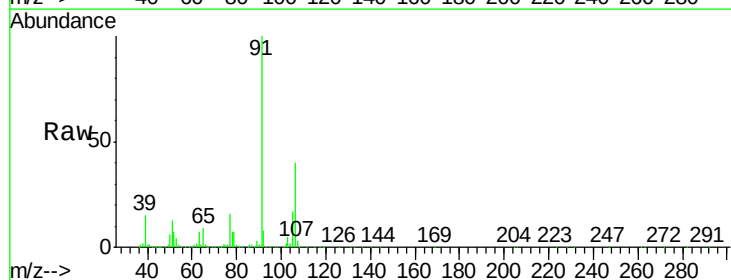
Acq: 11 Dec 2020 11:20

Tgt Ion: 91 Resp: 1015131

Ion Ratio Lower Upper

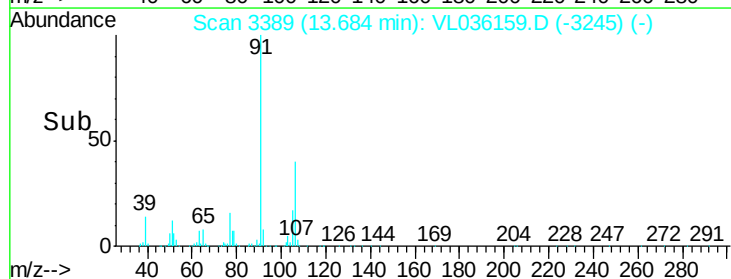
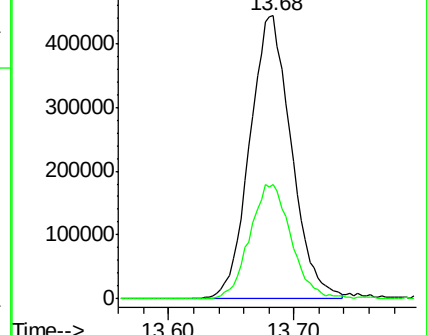
91 100

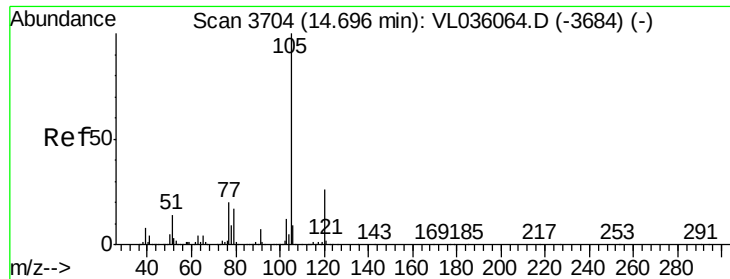
106 41.1 21.6 64.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#62

Isopropylbenzene

Concen: 0.134 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.04 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

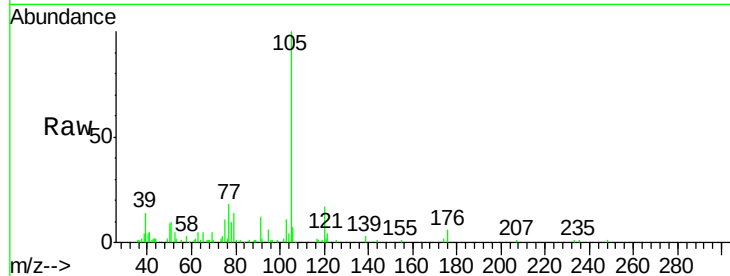
ClientSampleId :

Tgt Ion: 105 Resp: 49792

Ion Ratio Lower Upper

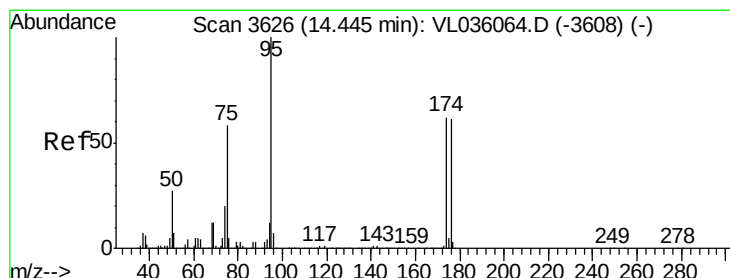
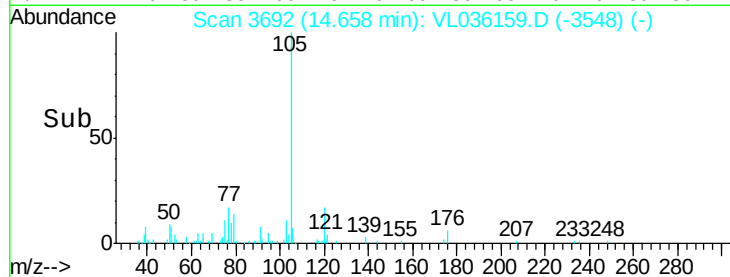
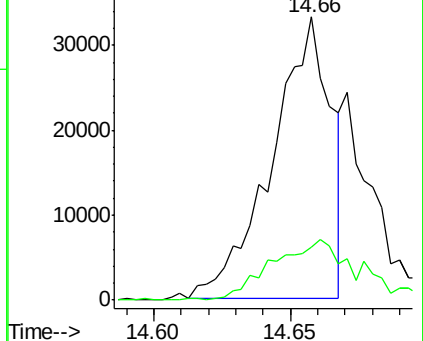
105 100

120 31.9 20.1 30.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 11.034 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.04 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

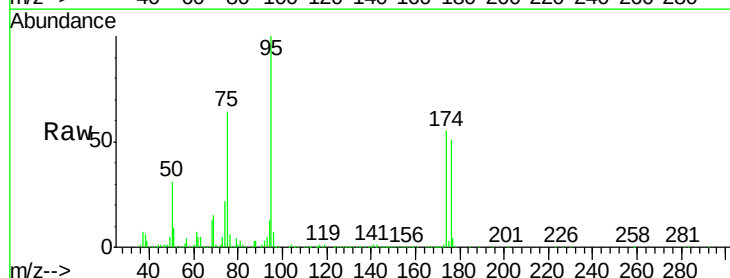
Tgt Ion: 95 Resp: 2016307

Ion Ratio Lower Upper

95 100

174 56.0 50.7 76.1

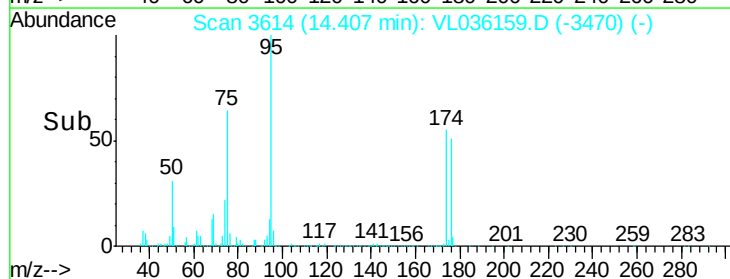
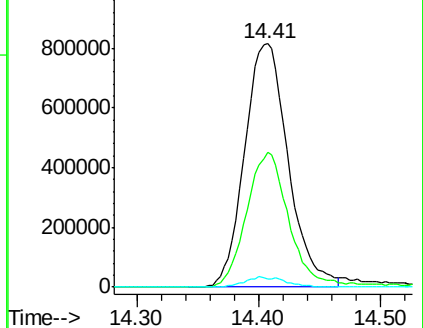
175 4.0 4.0 6.0

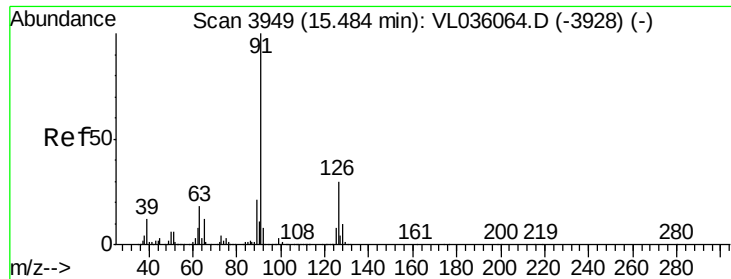


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#71

2-Chlorotoluene

Concen: 0.041 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.06 min

Lab File: VL036159.D

Acq: 11 Dec 2020 11:20

Instrument :

MSVOA_X

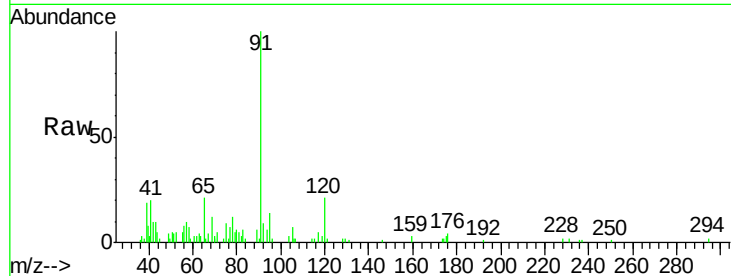
ClientSampled :

Tgt Ion: 91 Resp: 11589

Ion Ratio Lower Upper

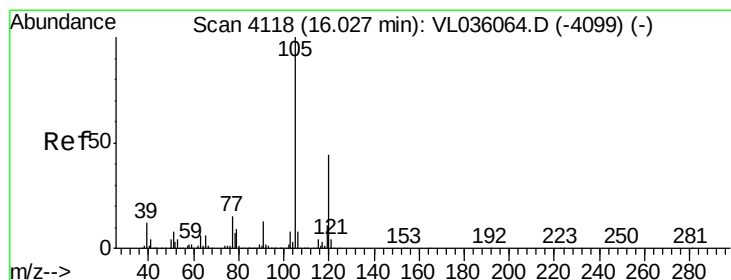
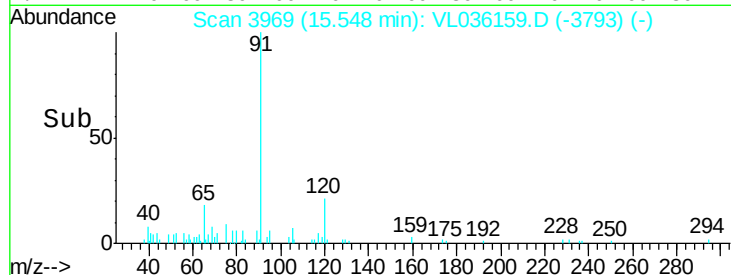
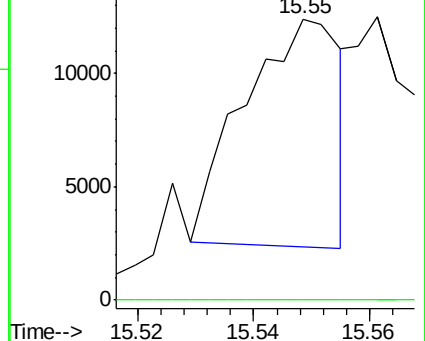
91 100

126 3.5 11.6 46.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#73

1,3,5-Trimethylbenzene

Concen: 0.068 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.04 min

Lab File: VL036159.D

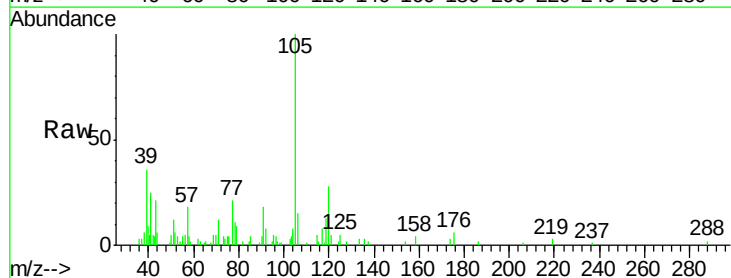
Acq: 11 Dec 2020 11:20

Tgt Ion: 105 Resp: 17597

Ion Ratio Lower Upper

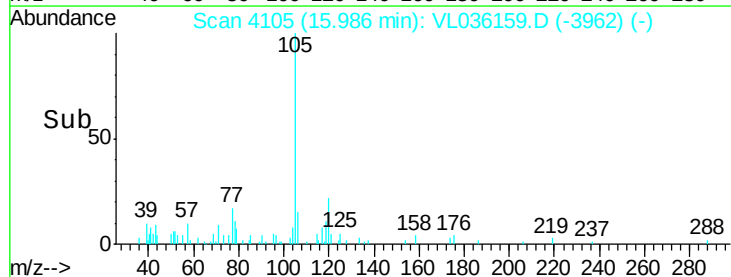
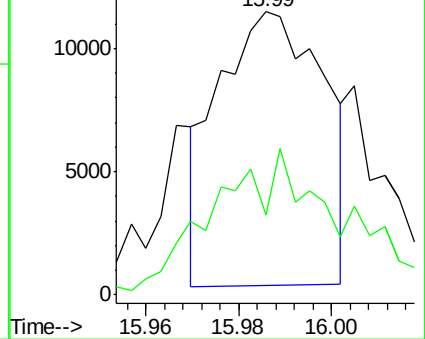
105 100

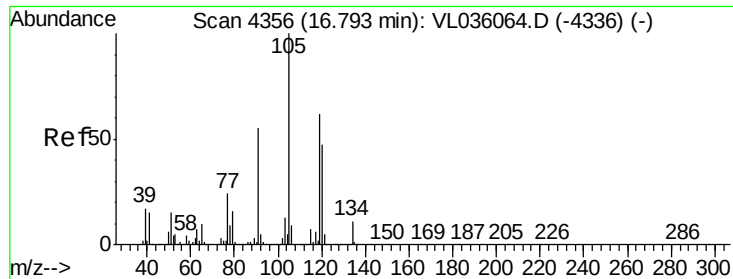
120 19.4 35.4 53.2#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

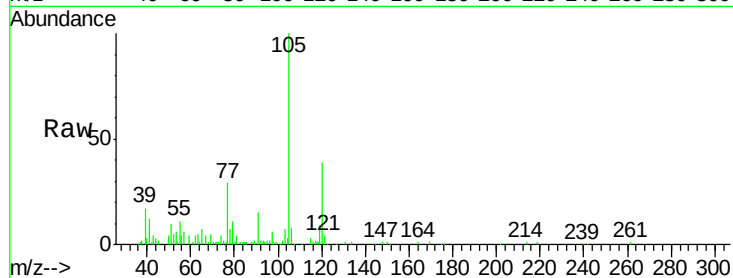




#74
 1,2,4-Trimethylbenzene
 Concen: 0.168 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.04 min
 Lab File: VL036159.D
 Acq: 11 Dec 2020 11:20

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:	105	Resp:	43669
Ion Ratio	Lower	Upper	
105	100		
120	41.2	37.4	56.0
91	11.6	45.6	68.4#
77	28.0	19.4	29.2



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

