

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036357.D
 Acq On : 24 Feb 2021 19:22
 Operator : SY/AP
 Sample : M1463-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-14

Quant Time: Feb 25 05:19:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1681753	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3754461	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3510785	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2828526	9.79	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

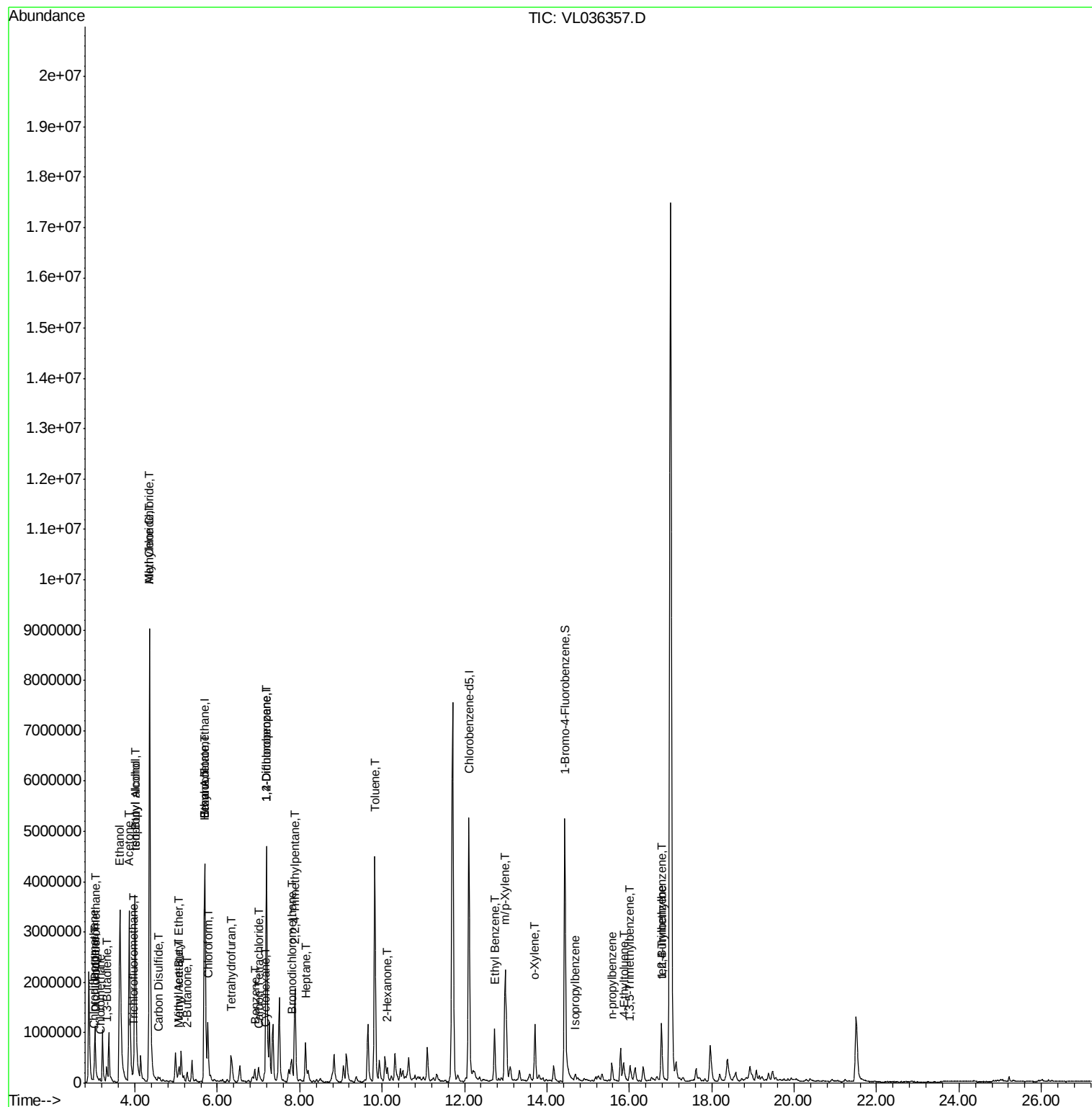
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	47748	0.190	ppbv 98
3) Chlorodifluoromethane	3.00	51	85878	0.411	ppbv # 86
4) Chloromethane	3.15	50	52457	0.520	ppbv 99
9) Propene	3.02	41	319839	4.105	ppbv # 79
10) Heptane	8.14	43	326177	1.421	ppbv 98
11) Trichlorofluoromethane	3.96	101	51949	0.211	ppbv 93
13) Ethanol	3.63	45	5822275	397.878	ppbv 91
15) Acetone	3.86	43	4718478	22.953	ppbv 100
16) 1,3-Butadiene	3.31	39	97095	0.988	ppbv # 30
17) tert-Butyl alcohol	4.00	59	180032	1.128	ppbv 96
19) Isopropyl Alcohol	4.00	45	6201899	54.454	ppbv # 97
20) Methylene Chloride	4.36	84	3805171	57.373	ppbv 94
21) Allyl Chloride	4.36	41	192299	1.680	ppbv # 27
23) Vinyl Acetate	5.08	43	73939	0.306	ppbv # 1
25) Ethyl Acetate	5.70	43	1048890	2.643	ppbv # 83
26) Hexane	5.70	57	1183610	7.259	ppbv # 43
27) Carbon Disulfide	4.56	76	105737	0.706	ppbv # 84
28) Methyl tert-Butyl Ether	5.04	73	6591	0.031	ppbv # 47
29) Chloroform	5.77	83	831756	3.166	ppbv 97
30) Cyclohexane	7.15	84	29442	0.217	ppbv # 46
34) 2-Butanone	5.27	43	246860	0.990	ppbv 99
35) Carbon Tetrachloride	7.03	117	12184	0.048	ppbv # 64
36) Benzene	6.91	78	194114	0.609	ppbv 93
39) 1,2-Dichloropropane	7.19	63	1049522	8.101	ppbv # 22
41) Tetrahydrofuran	6.34	42	43710	0.314	ppbv # 40
42) Bromodichloromethane	7.81	83	101761	0.385	ppbv # 77
44) 2,2,4-Trimethylpentane	7.89	57	1687735	2.910	ppbv 91
51) 2-Hexanone	10.12	43	142576	0.507	ppbv # 31
53) Toluene	9.83	91	3072673	8.895	ppbv 99
58) Ethyl Benzene	12.73	91	944440	1.965	ppbv 99
59) m/p-Xylene	12.98	91	2408040	5.703	ppbv 96
60) o-Xylene	13.71	91	917203	2.272	ppbv 99
62) Isopropylbenzene	14.69	105	51880	0.086	ppbv # 61
64) n-propylbenzene	15.60	120	13036	0.088	ppbv # 1
65) tert-Butylbenzene	16.79	119	44331	0.086	ppbv # 15
72) 4-Ethyltoluene	15.86	105	300804	0.669	ppbv 99
73) 1,3,5-Trimethylbenzene	16.02	105	99447	0.228	ppbv 92
74) 1,2,4-Trimethylbenzene	16.78	105	895493	2.014	ppbv # 72

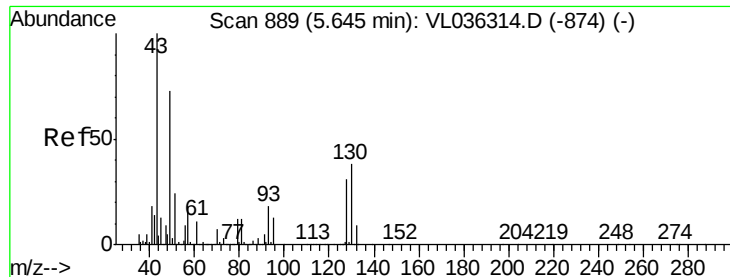
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

NS-14

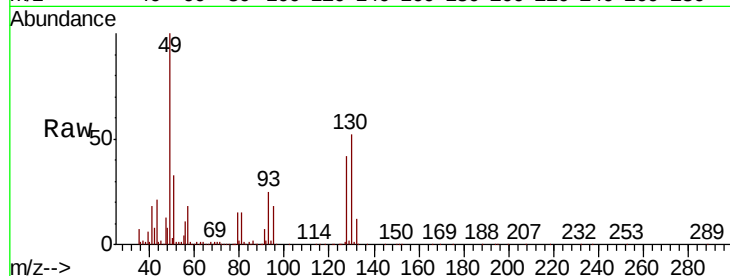
Tot Ion: 49 Resp: 1681753

Ion Ratio Lower Upper

49 100

128 42.9 20.8 62.5

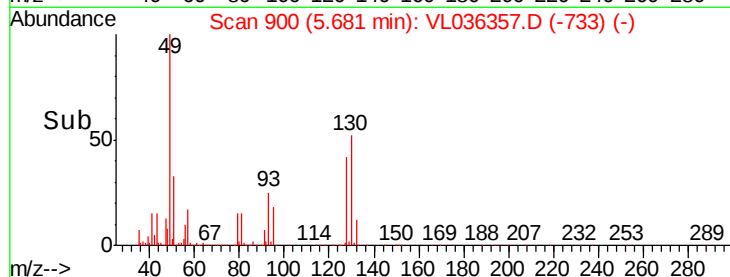
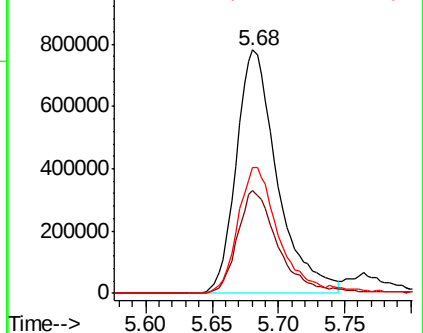
130 53.4 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.190 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.03 min

Lab File: VL036357.D

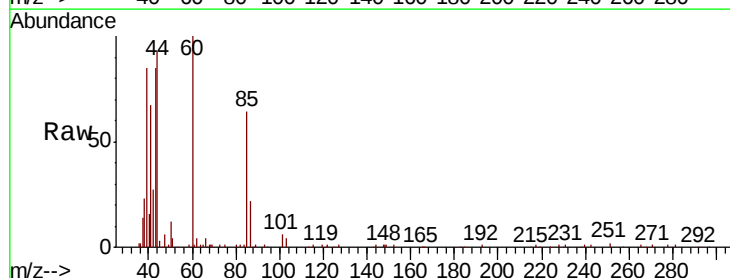
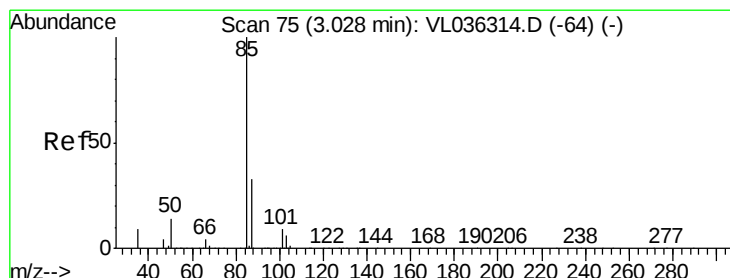
Acq: 24 Feb 2021 19:22

Tgt Ion: 85 Resp: 47748

Ion Ratio Lower Upper

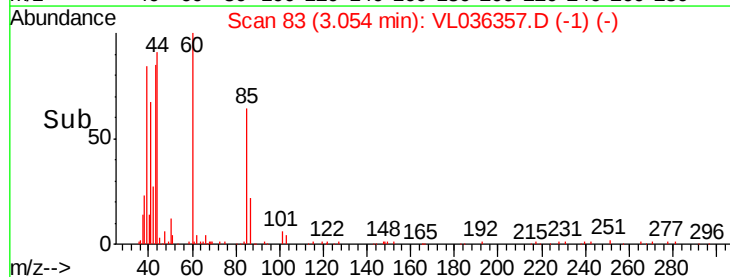
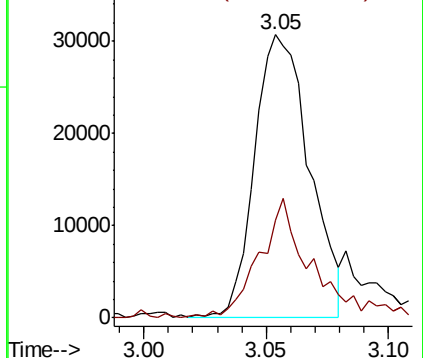
85 100

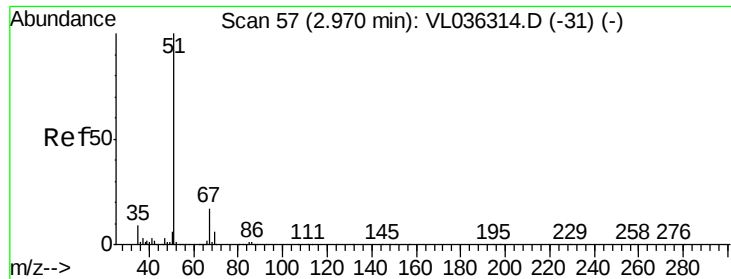
87 34.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

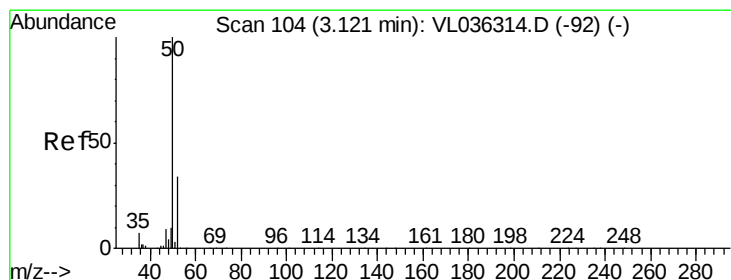
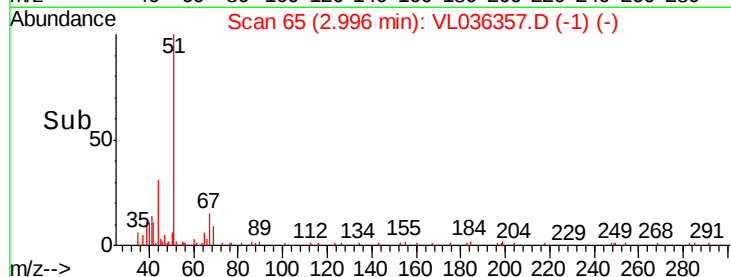
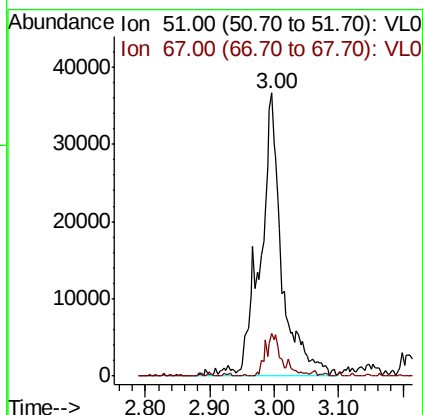
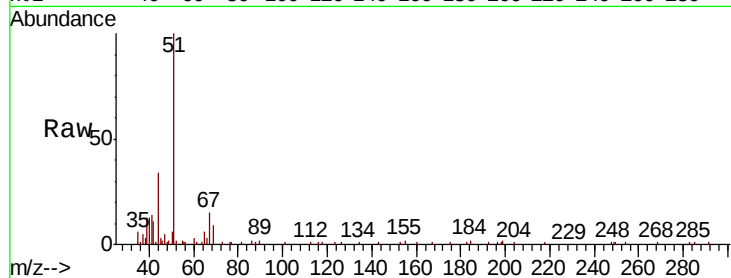




#3
Chlorodifluoromethane
Concen: 0.411 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.03 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

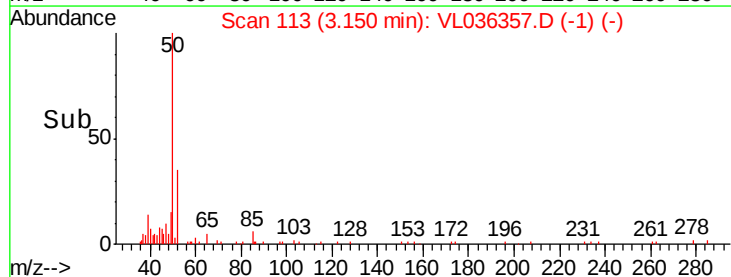
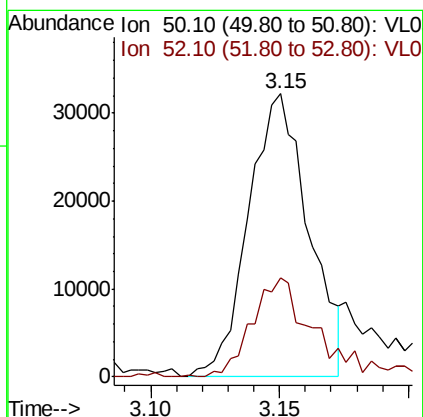
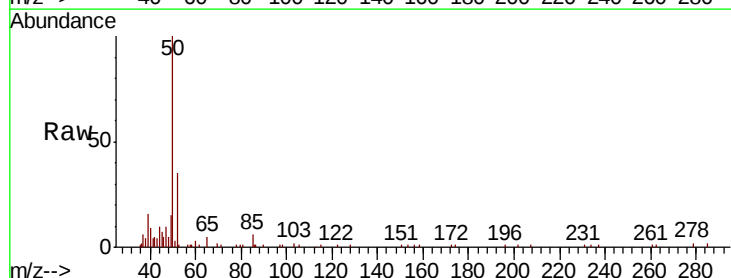
Instrument :
MSVOA_L
ClientSampleId :
NS-14

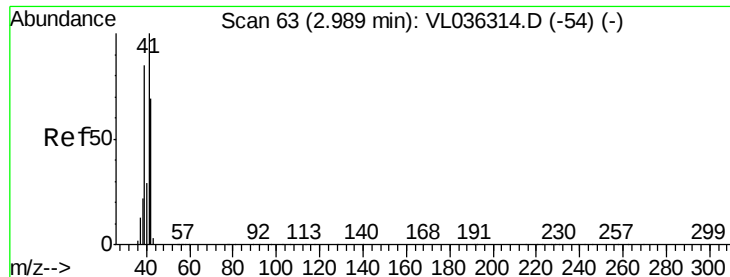
Tot Ion: 51 Resp: 85878
Ion Ratio Lower Upper
51 100
67 12.1 14.7 22.1#



#4
Chloromethane
Concen: 0.520 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.03 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

Tgt Ion: 50 Resp: 52457
Ion Ratio Lower Upper
50 100
52 34.1 27.0 40.4





#9

Propene

Concen: 4.105 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

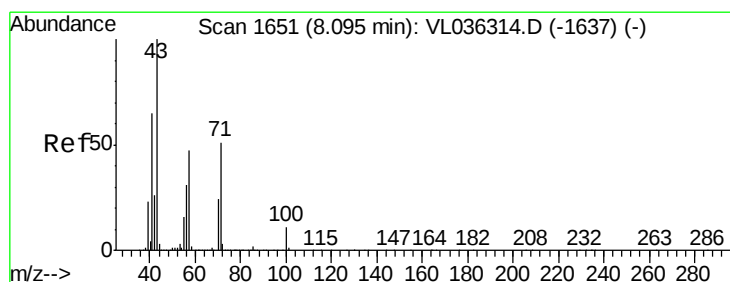
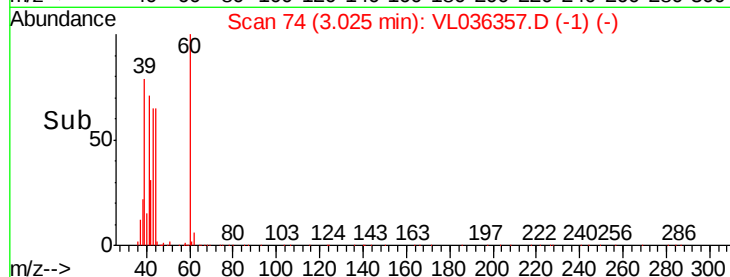
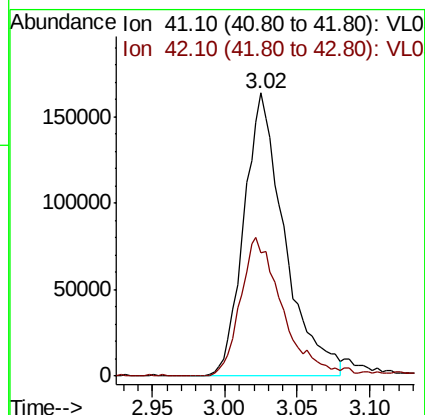
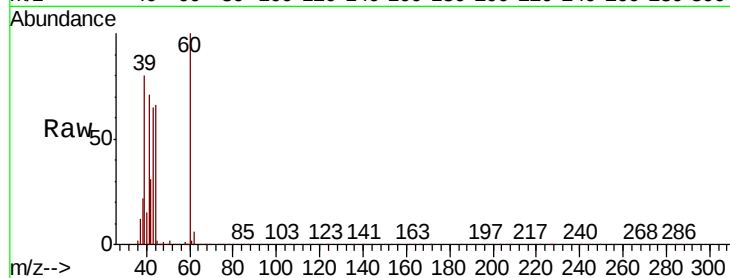
NS-14

Tot Ion: 41 Resp: 319839

Ion Ratio Lower Upper

41 100

42 52.6 56.2 84.2#



#10

Heptane

Concen: 1.421 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.05 min

Lab File: VL036357.D

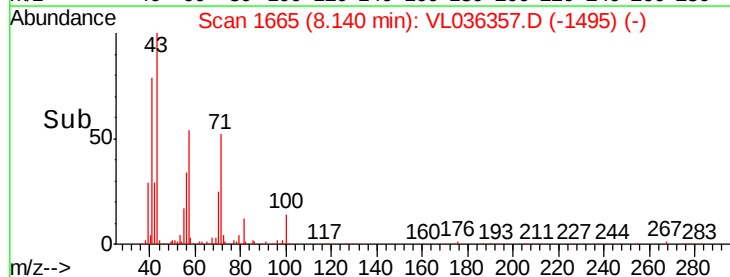
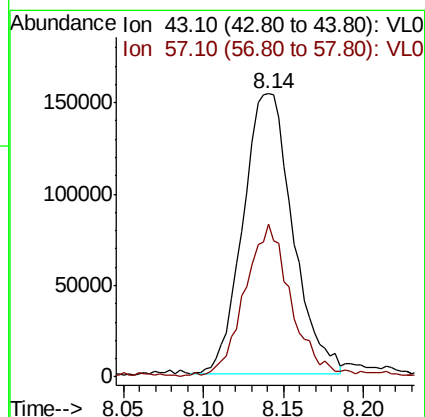
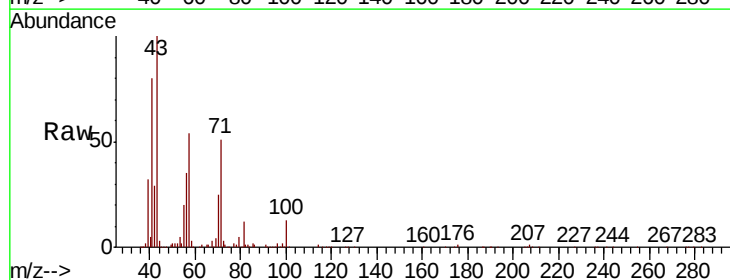
Acq: 24 Feb 2021 19:22

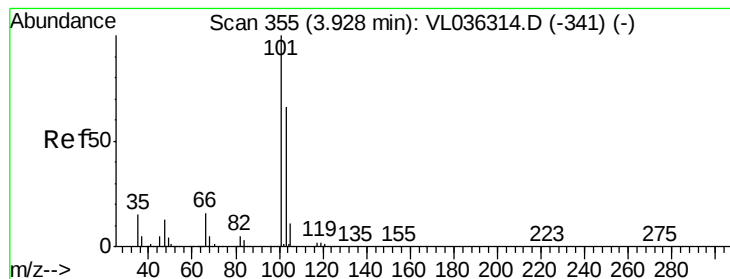
Tgt Ion: 43 Resp: 326177

Ion Ratio Lower Upper

43 100

57 50.9 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.211 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.03 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

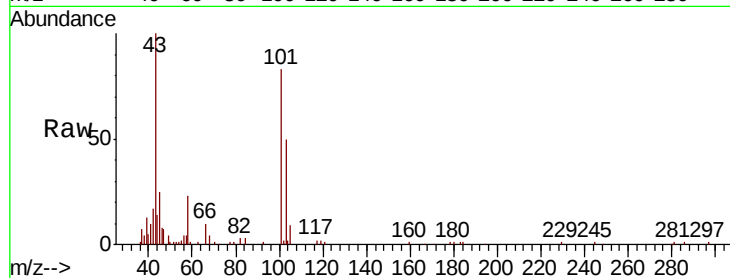
NS-14

Tot Ion:101 Resp: 51949

Ion Ratio Lower Upper

101 100

103 60.2 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.96

40000

30000

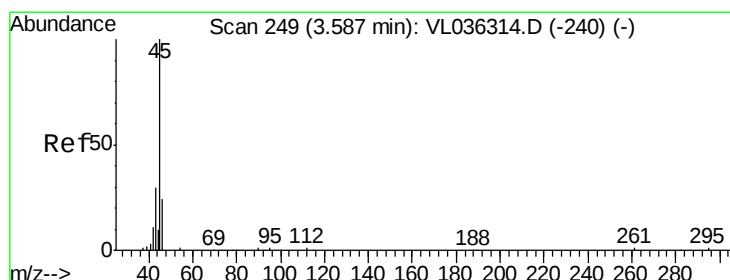
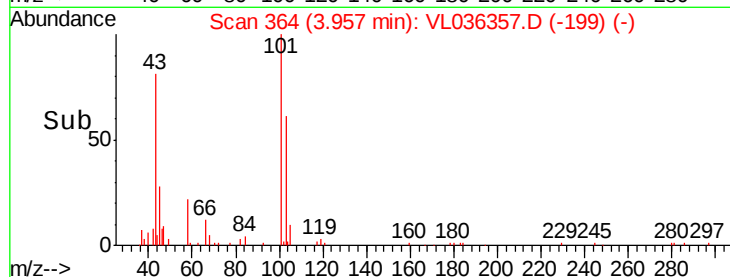
20000

10000

0

Time-->

3.90 3.95 4.00



#13

Ethanol

Concen: 397.878 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.05 min

Lab File: VL036357.D

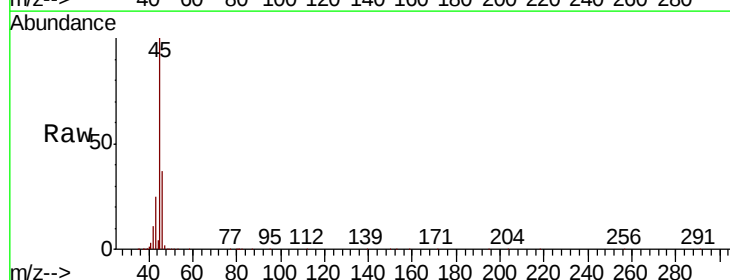
Acq: 24 Feb 2021 19:22

Tgt Ion: 45 Resp: 5822275

Ion Ratio Lower Upper

45 100

46 38.4 17.7 70.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.63

2000000

1500000

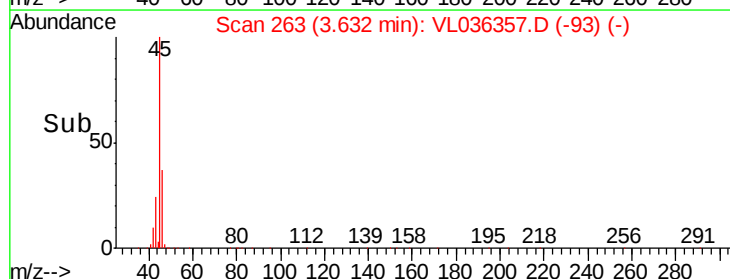
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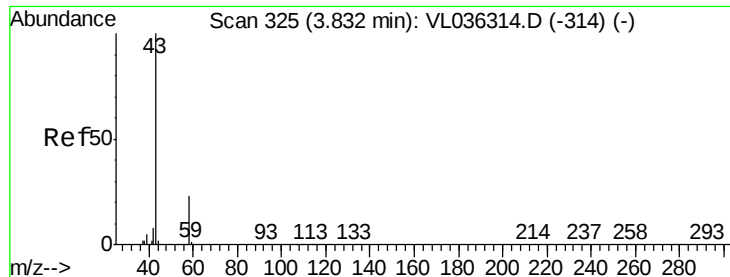
500000

0

Time-->

3.60 3.70





#15

Acetone

Concen: 22.953 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.03 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

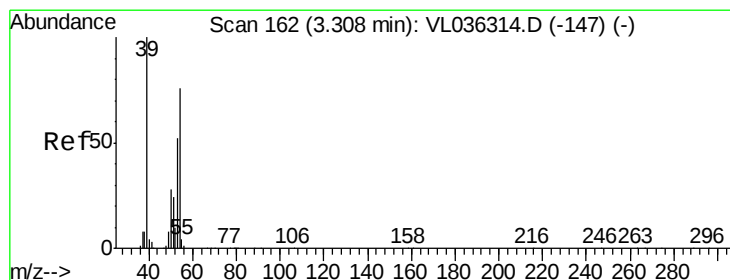
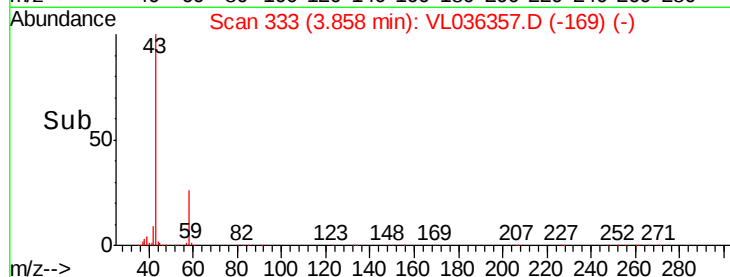
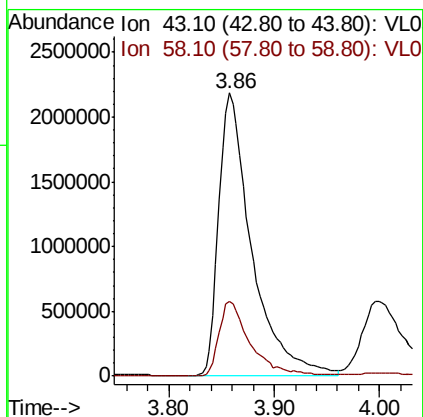
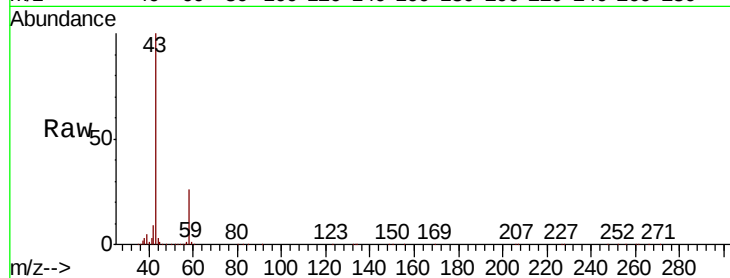
NS-14

Tot Ion: 43 Resp: 4718478

Ion Ratio Lower Upper

43 100

58 25.6 20.3 30.5



#16

1,3-Butadiene

Concen: 0.988 ppbv

RT: 3.31 min Scan# 164

Delta R.T. 0.01 min

Lab File: VL036357.D

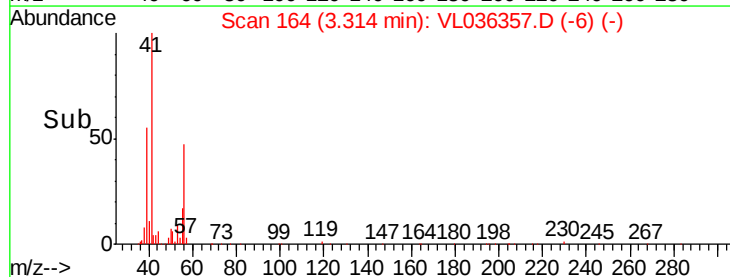
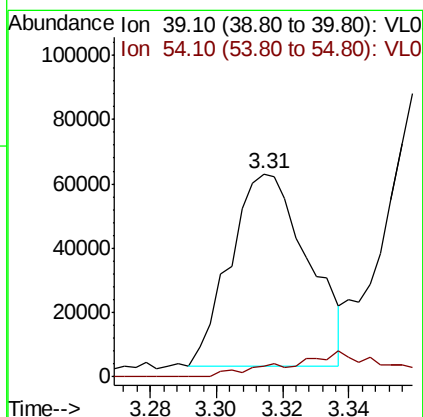
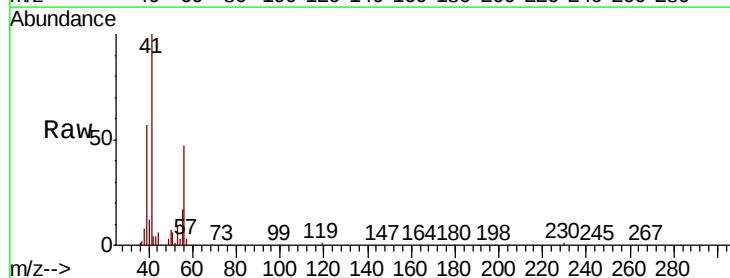
Acq: 24 Feb 2021 19:22

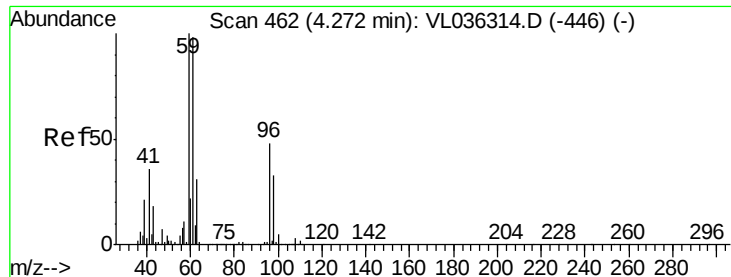
Tgt Ion: 39 Resp: 97095

Ion Ratio Lower Upper

39 100

54 18.7 64.4 96.6#



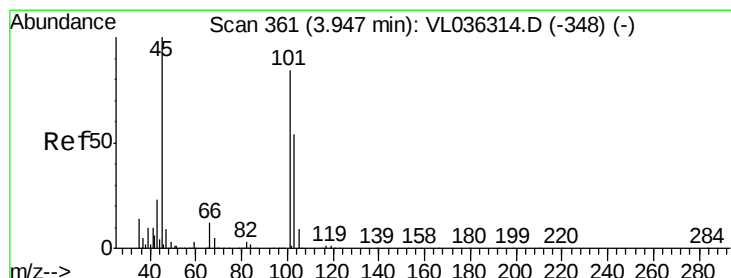
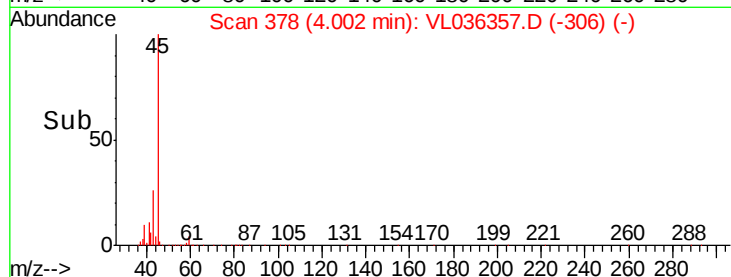
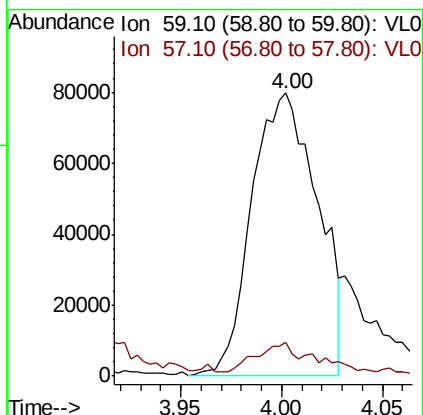
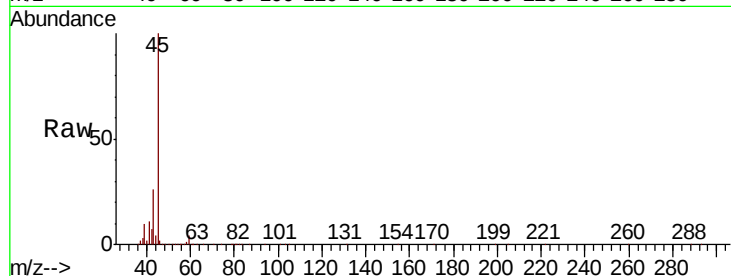


#17

tert-Butyl alcohol
 Concen: 1.128 ppbv
 RT: 4.00 min Scan# 378
 Delta R.T. -0.27 min
 Lab File: VL036357.D
 Acq: 24 Feb 2021 19:22

Instrument :
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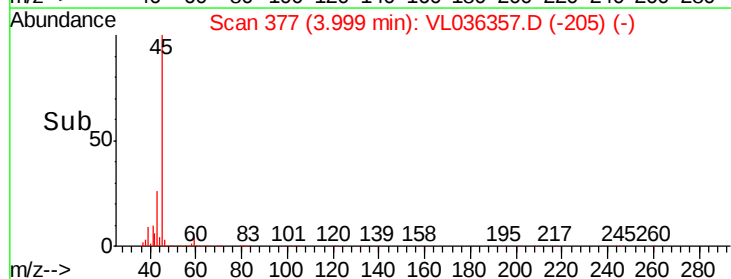
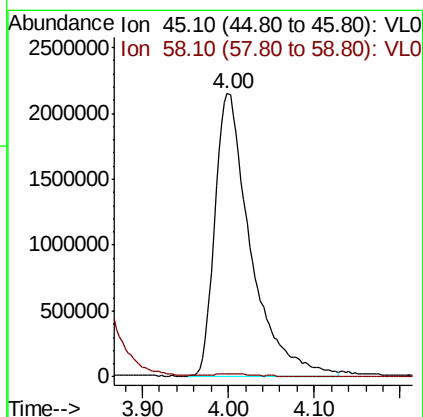
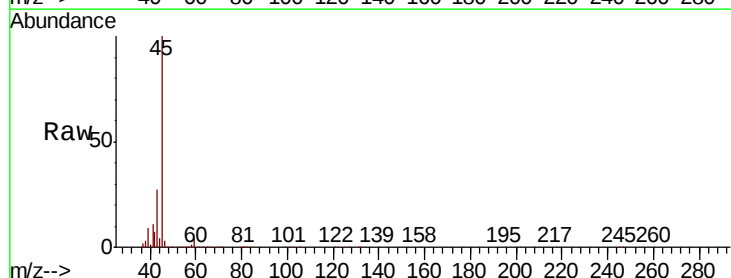
Tot Ion: 59 Resp: 180032
 Ion Ratio Lower Upper
 59 100
 57 12.6 9.0 13.4

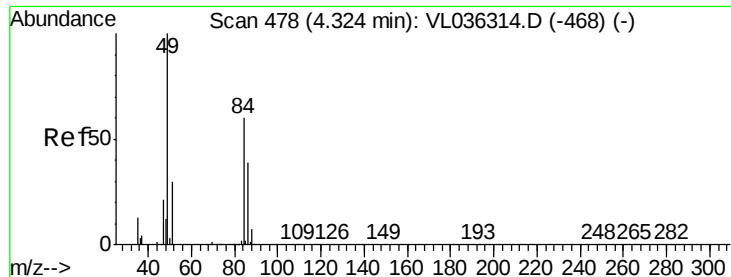


#19

Isopropyl Alcohol
 Concen: 54.454 ppbv
 RT: 4.00 min Scan# 377
 Delta R.T. 0.05 min
 Lab File: VL036357.D
 Acq: 24 Feb 2021 19:22

Tgt Ion: 45 Resp: 6201899
 Ion Ratio Lower Upper
 45 100
 58 1.5 1.9 2.9#





#20

Methylene Chloride

Concen: 57.373 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

NS-14

Tot Ion: 84 Resp: 3805171

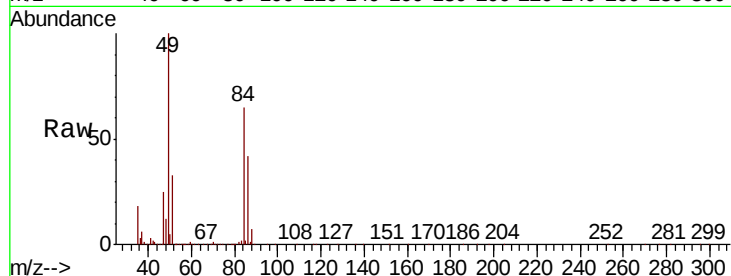
Ion Ratio Lower Upper

84 100

49 154.8 133.8 200.8

51 51.6 41.4 62.0

86 65.7 51.5 77.3

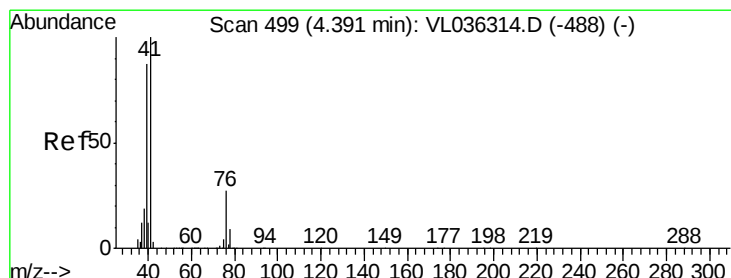
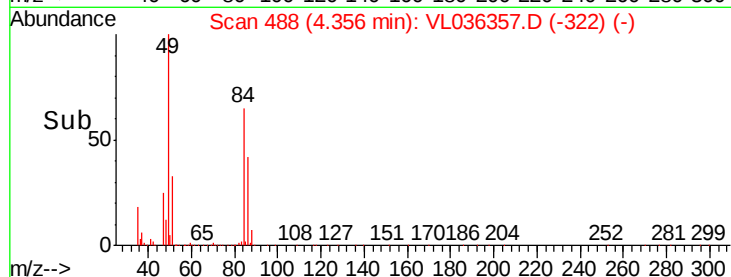
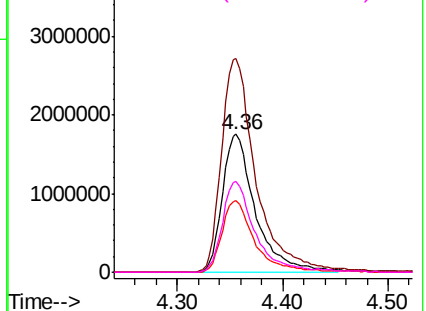


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21

Allyl Chloride

Concen: 1.680 ppbv

RT: 4.36 min Scan# 489

Delta R.T. -0.03 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

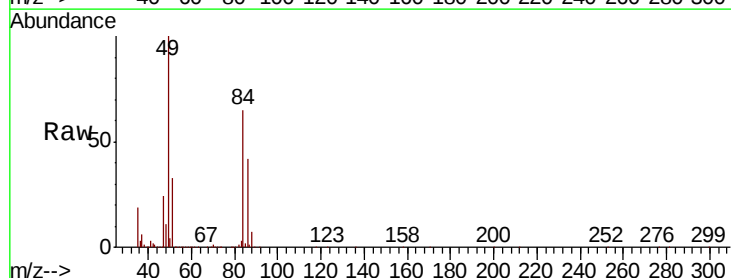
Tgt Ion: 41 Resp: 192299

Ion Ratio Lower Upper

41 100

76 0.0 22.0 33.0#

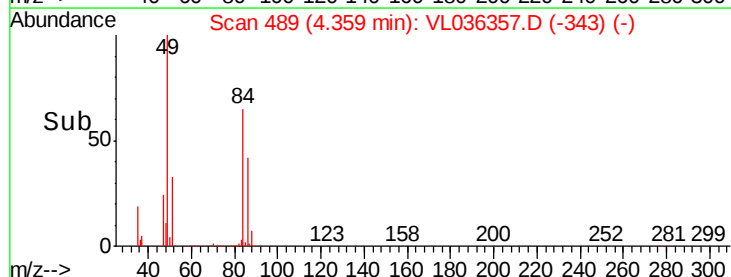
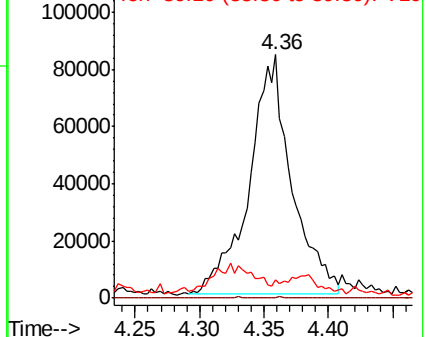
39 14.1 70.2 105.2#

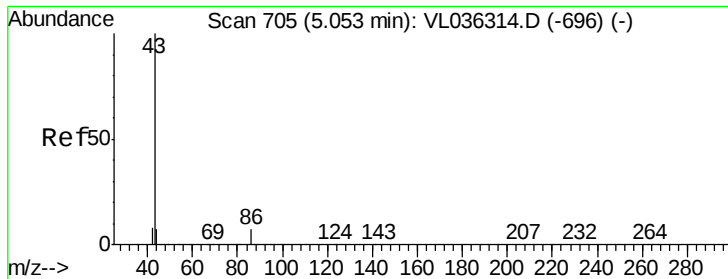


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.306 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

NS-14

Tot Ion: 43 Resp: 73939

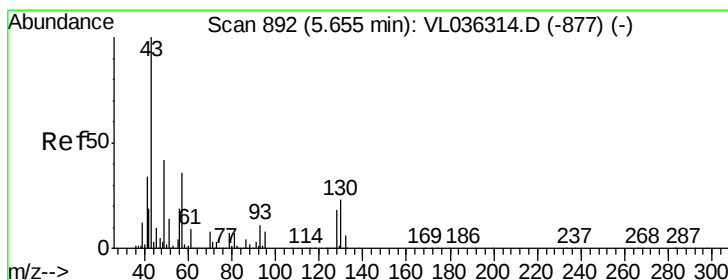
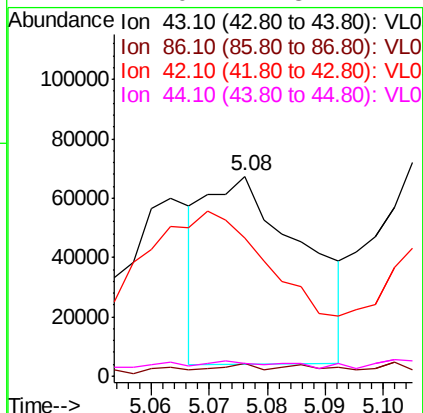
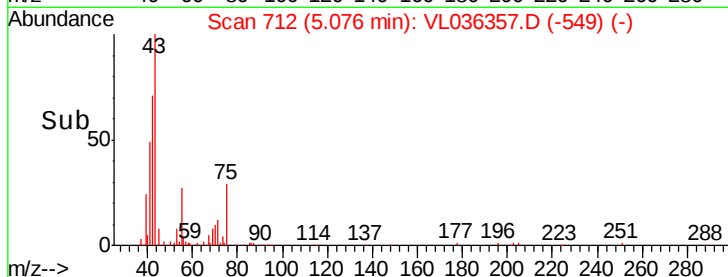
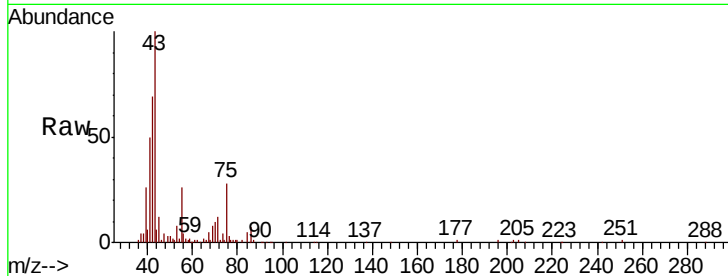
Ion Ratio Lower Upper

43 100

86 7.1 4.8 7.2

42 92.3 7.4 11.0#

44 2.0 4.8 7.2#



#25

Ethyl Acetate

Concen: 2.643 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Tgt Ion: 43 Resp: 1048890

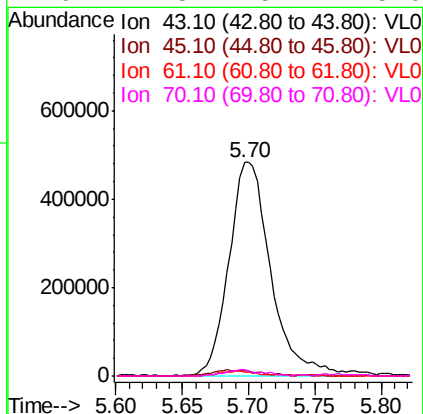
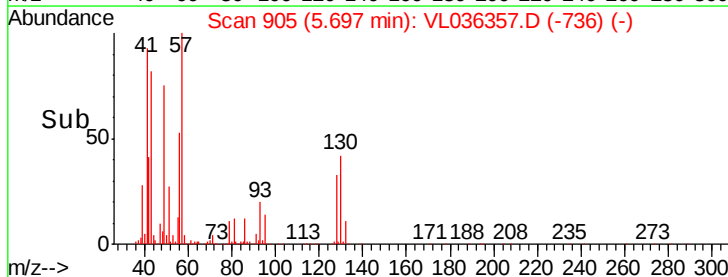
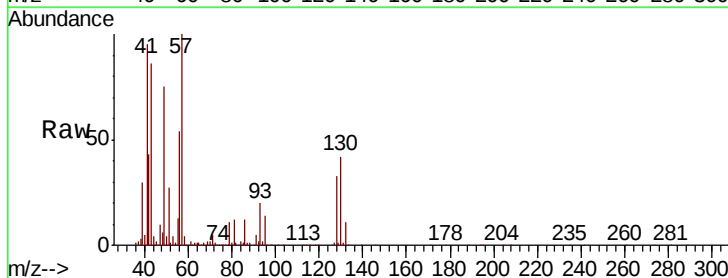
Ion Ratio Lower Upper

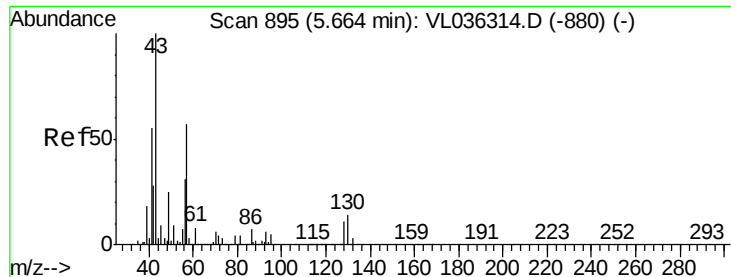
43 100

45 3.5 8.3 12.5#

61 2.5 7.3 10.9#

70 2.8 5.4 8.0#





#26

Hexane

Concen: 7.259 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

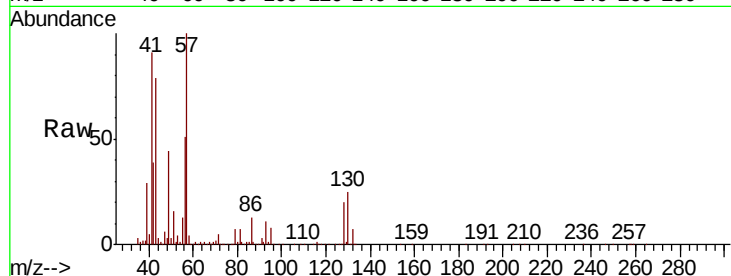
MSVOA_L

ClientSampleId :

NS-14

Tot Ion: 57 Resp: 1183610

Ion	Ratio	Lower	Upper
57	100		
41	98.2	81.7	122.5
43	90.5	199.1	298.7#
56	57.1	44.0	66.0

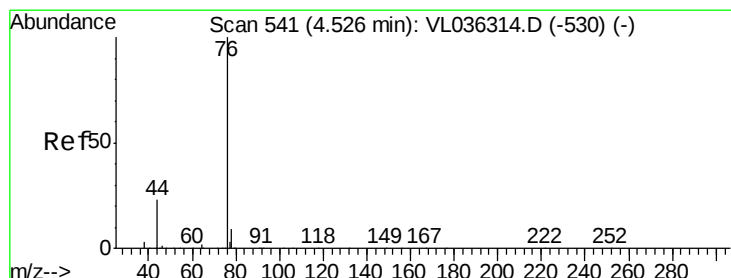
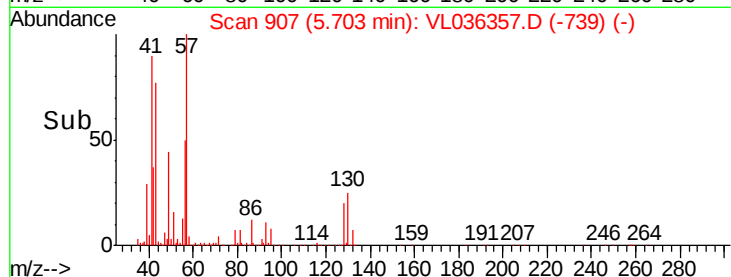
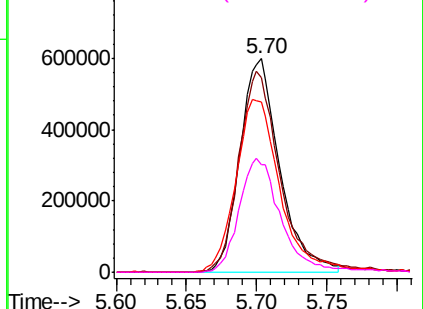


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.706 ppbv

RT: 4.56 min Scan# 553

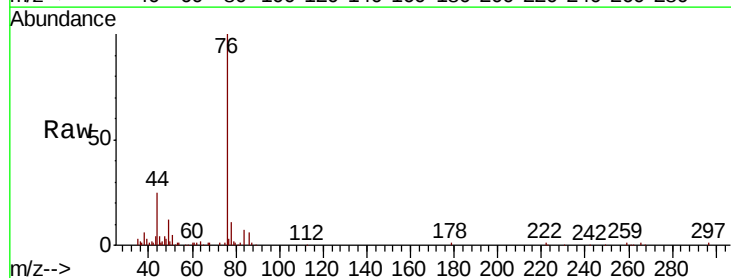
Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Tgt Ion: 76 Resp: 105737

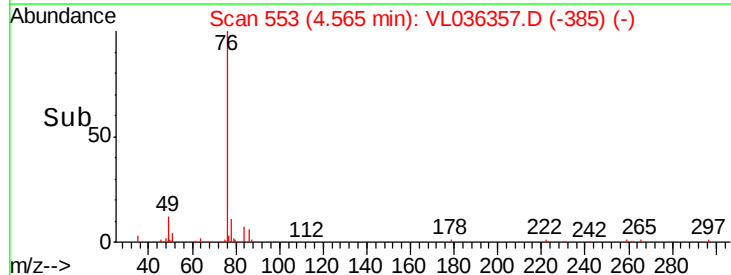
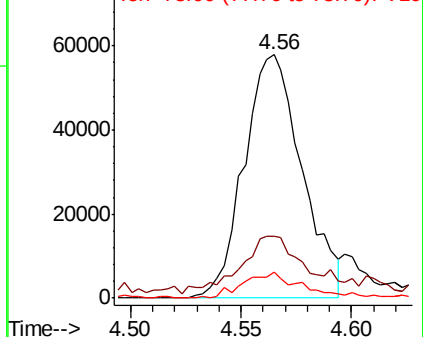
Ion	Ratio	Lower	Upper
76	100		
44	33.2	18.4	27.6#
78	11.1	8.0	12.0

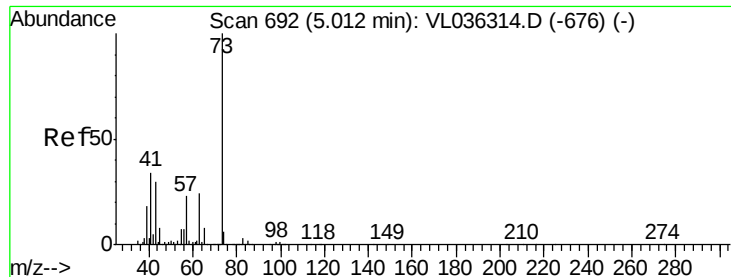


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



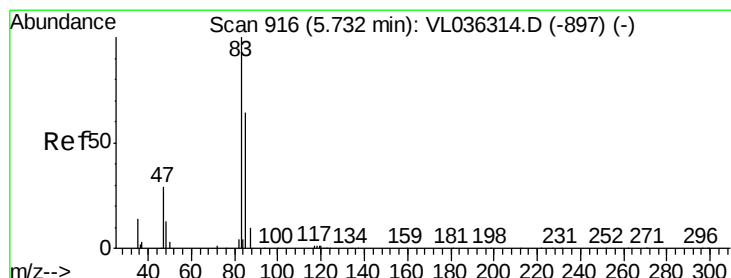
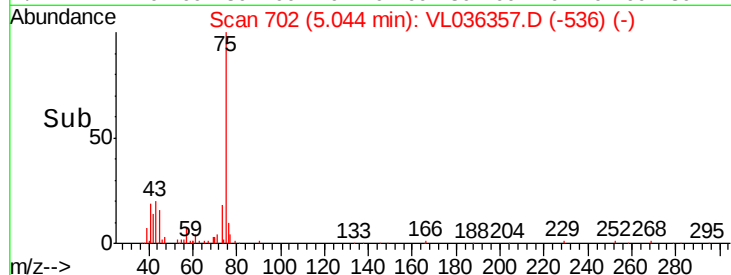
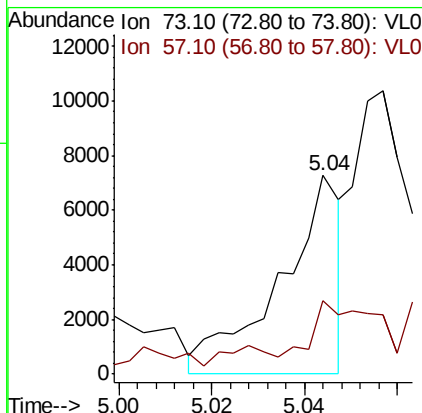
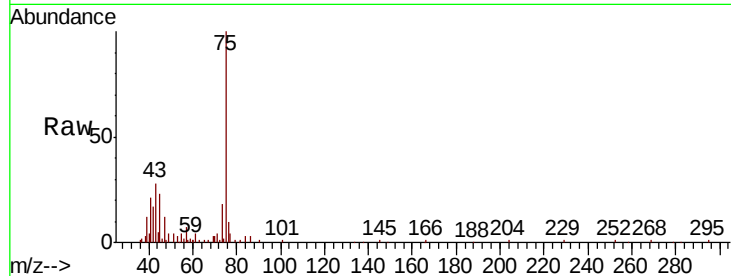


#28

Methvl tert-Butvl Ether
 Concen: 0.031 ppbv
 RT: 5.04 min Scan# 702
 Delta R.T. 0.03 min
 Lab File: VL036357.D
 Acq: 24 Feb 2021 19:22

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-14

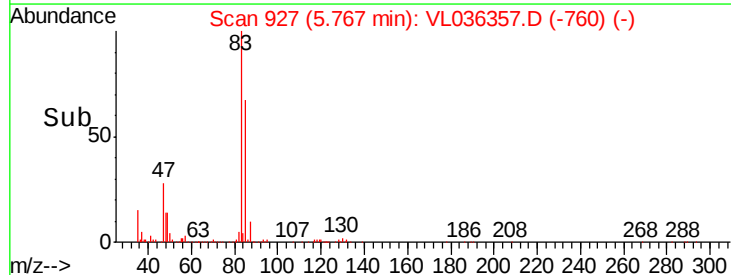
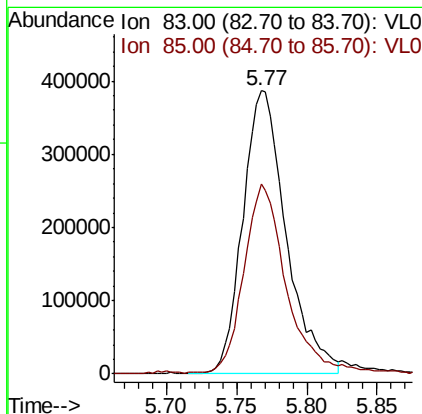
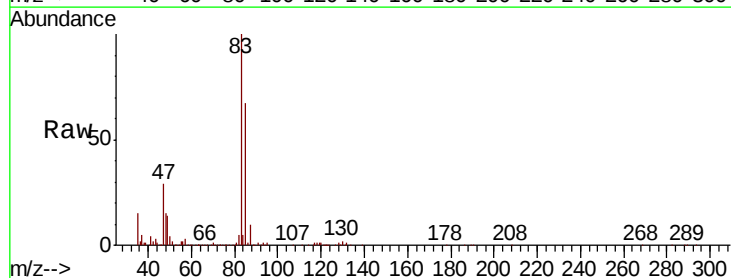
Tot Ion: 73 Resp: 6591
 Ion Ratio Lower Upper
 73 100
 57 50.0 19.2 28.8#

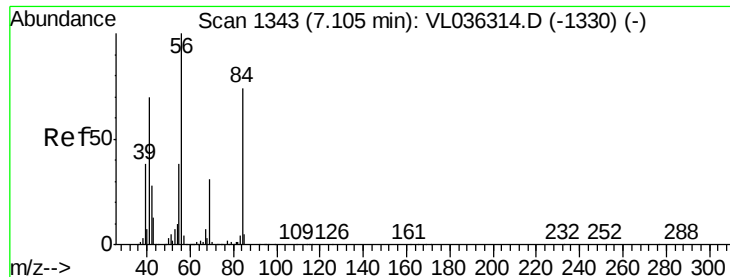


#29

Chloroform
 Concen: 3.166 ppbv
 RT: 5.77 min Scan# 927
 Delta R.T. 0.04 min
 Lab File: VL036357.D
 Acq: 24 Feb 2021 19:22

Tgt Ion: 83 Resp: 831756
 Ion Ratio Lower Upper
 83 100
 85 66.7 51.4 77.2

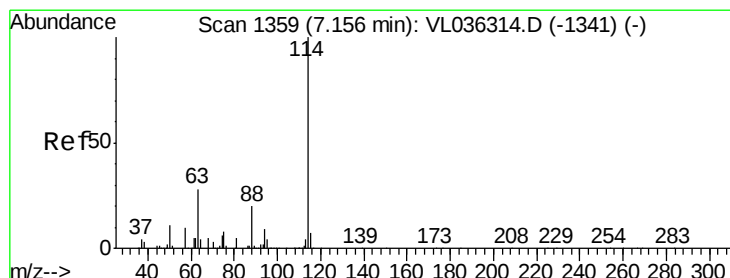
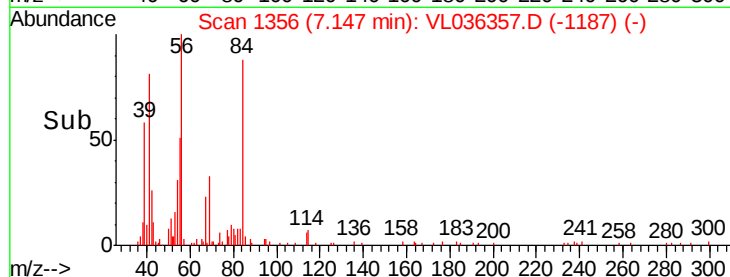
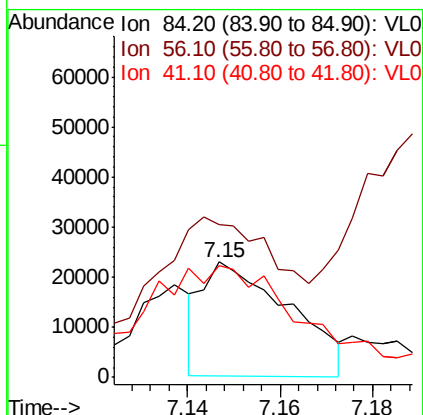
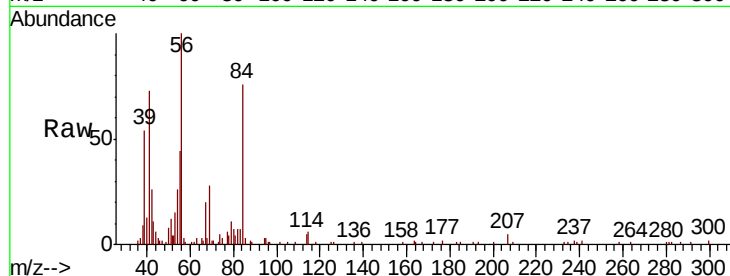




#30
Cyclohexane
Concen: 0.217 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.04 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

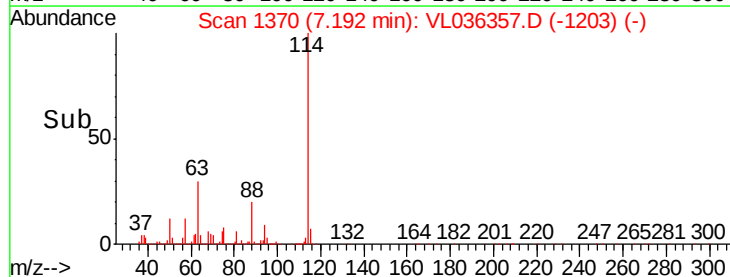
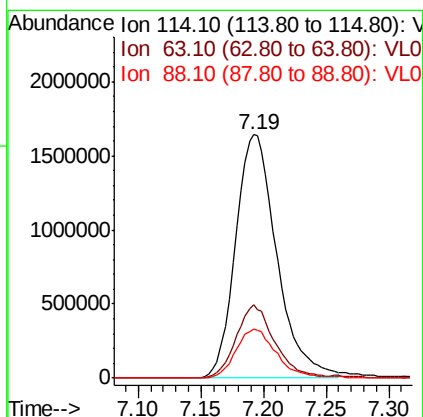
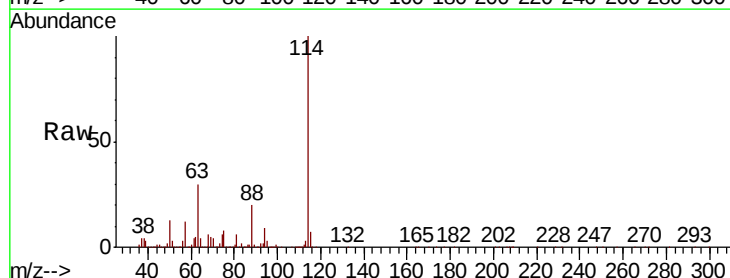
Instrument :
MSVOA_L
ClientSampleId :
NS-14

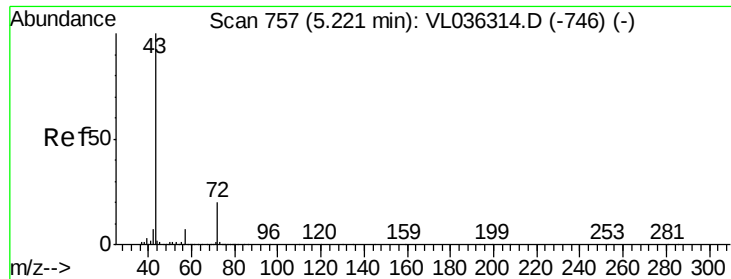
Tot Ion: 84 Resp: 29442
Ion Ratio Lower Upper
84 100
56 220.9 120.2 180.4#
41 150.0 79.7 119.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.04 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

Tgt Ion: 114 Resp: 3754461
Ion Ratio Lower Upper
114 100
63 29.0 24.1 36.1
88 20.1 16.0 24.0

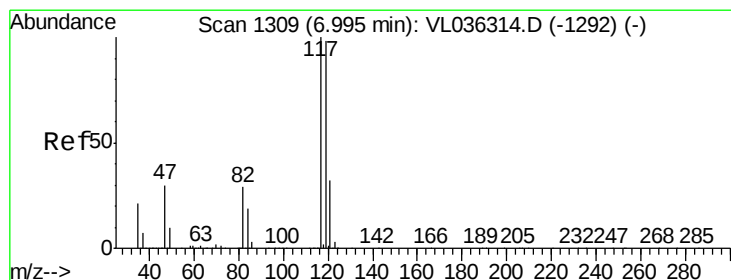
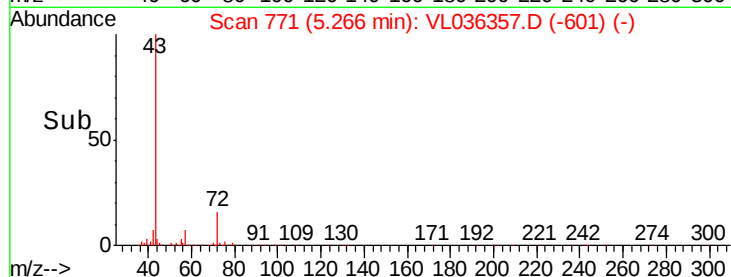
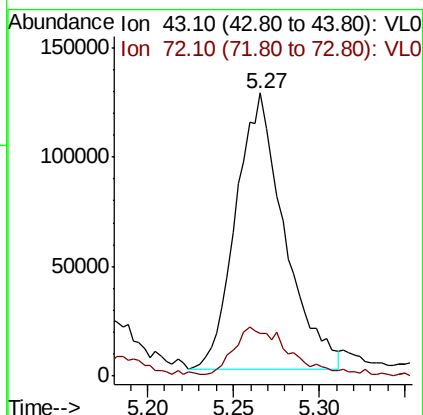
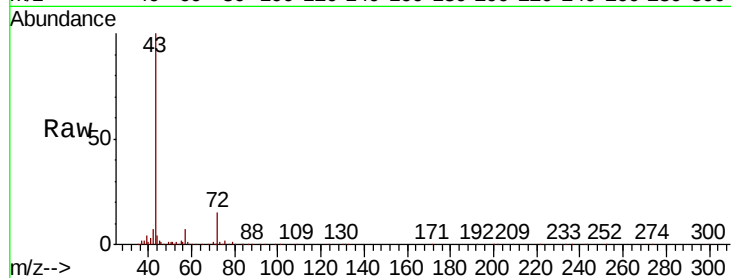




#34
2-Butanone
Concen: 0.990 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.05 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

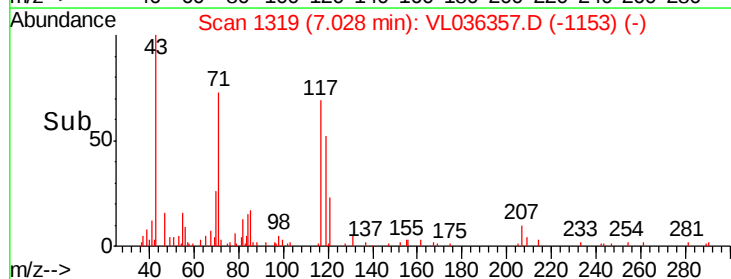
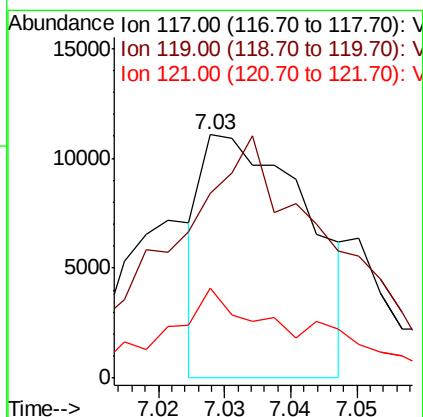
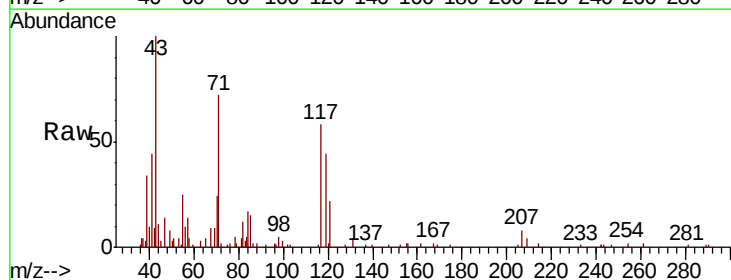
Instrument :
MSVOA_L
ClientSampled :
NS-14

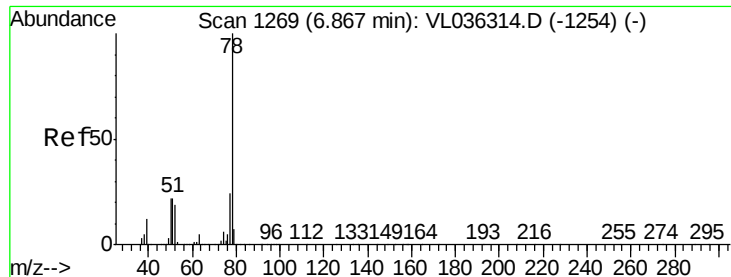
Tot Ion: 43 Resp: 246860
Ion Ratio Lower Upper
43 100
72 21.5 16.7 25.1



#35
Carbon Tetrachloride
Concen: 0.048 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.03 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

Tgt Ion: 117 Resp: 12184
Ion Ratio Lower Upper
117 100
119 54.0 78.1 117.1#
121 38.4 25.8 38.8





#36

Benzene

Concen: 0.609 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

NS-14

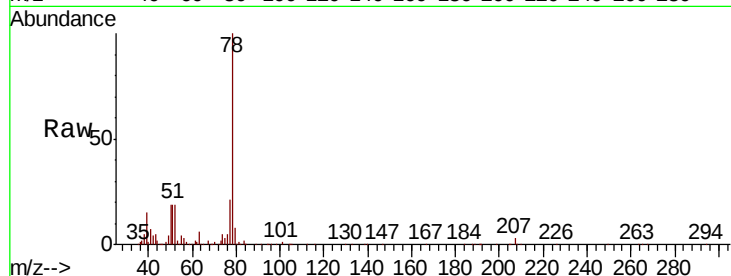
Tot Ion: 78 Resp: 194114

Ion Ratio Lower Upper

78 100

77 20.7 18.9 28.3

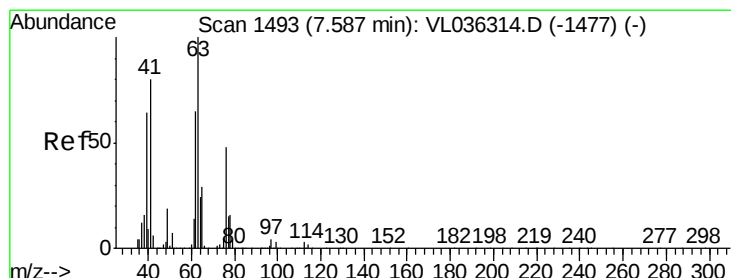
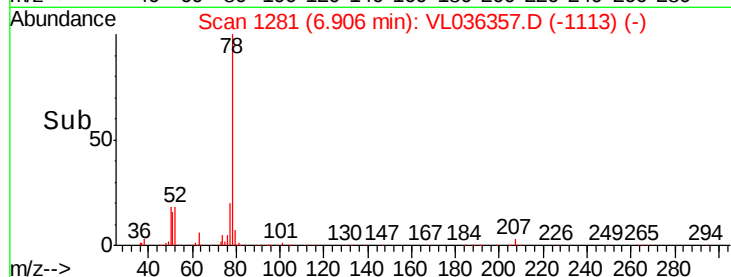
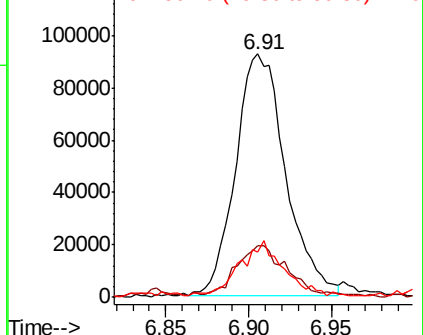
50 18.1 17.3 25.9



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 8.101 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.40 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

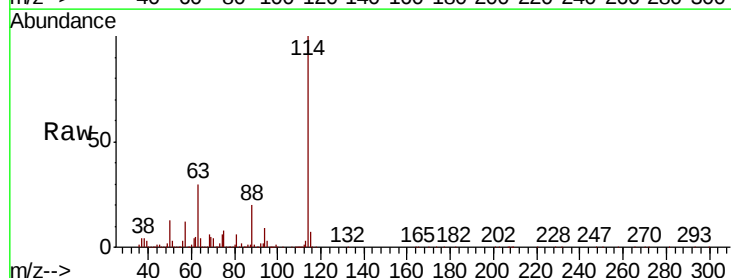
Tgt Ion: 63 Resp: 1049522

Ion Ratio Lower Upper

63 100

41 0.0 63.8 95.6#

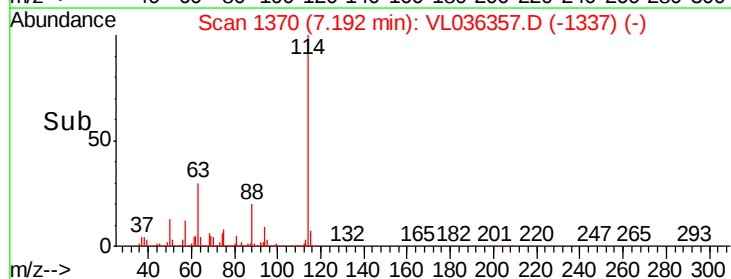
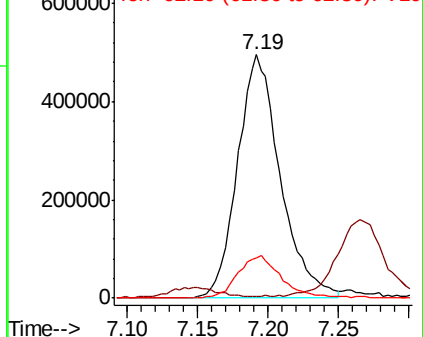
62 16.6 52.3 78.5#

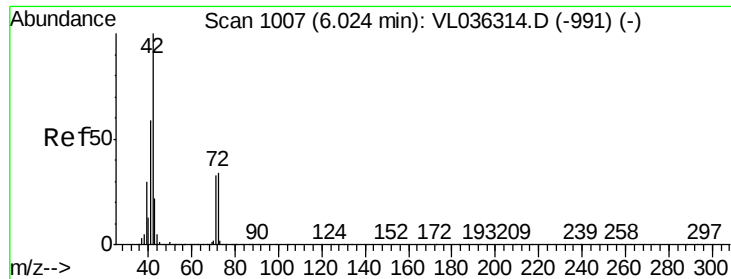


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

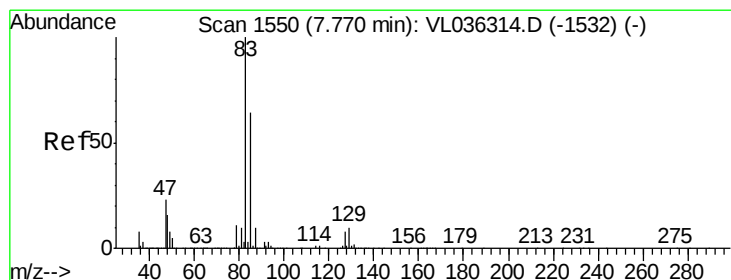
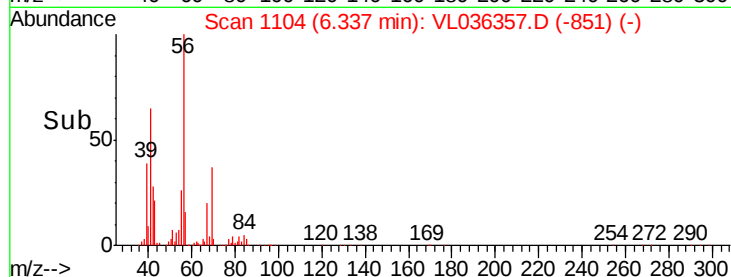
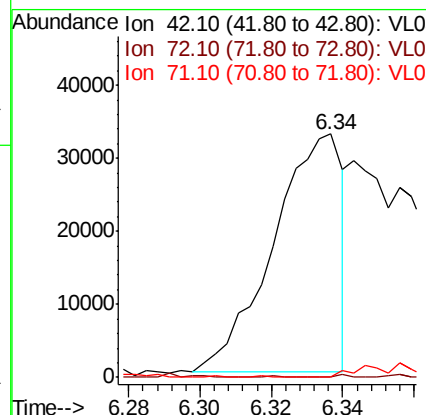
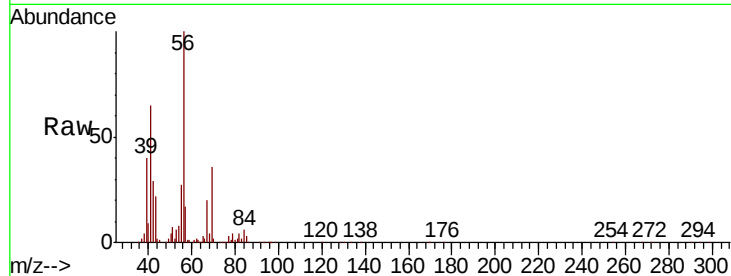




#41
Tetrahydrofuran
Concen: 0.314 ppbv
RT: 6.34 min Scan# 1104
Delta R.T. 0.31 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

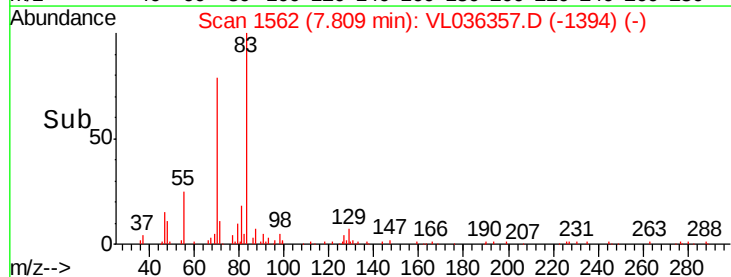
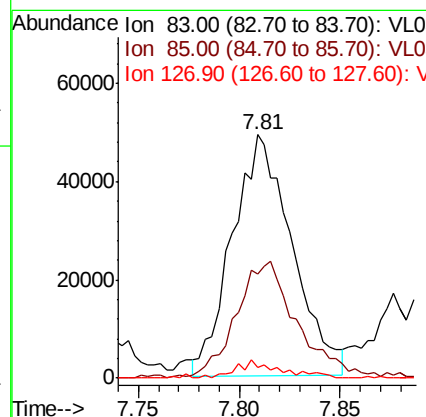
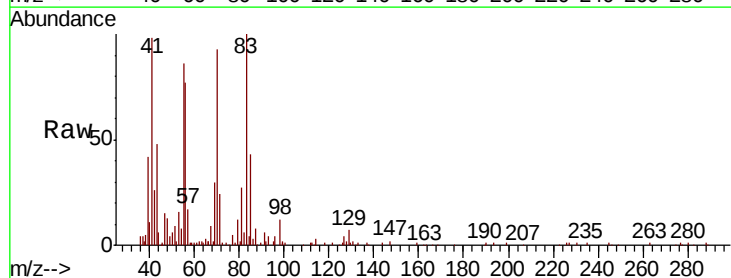
Instrument :
MSVOA_L
ClientSampleId :
NS-14

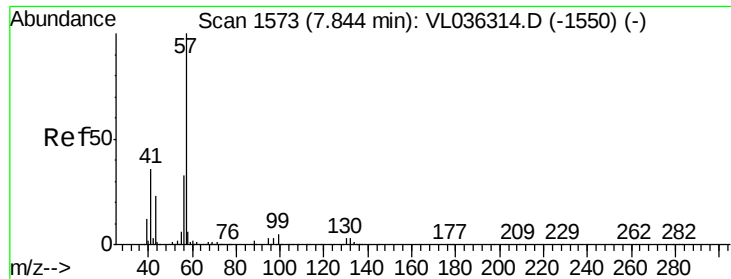
Tot Ion: 42 Resp: 43710
Ion Ratio Lower Upper
42 100
72 0.7 29.3 43.9#
71 0.0 27.8 41.8#



#42
Bromodichloromethane
Concen: 0.385 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.04 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

Tgt Ion: 83 Resp: 101761
Ion Ratio Lower Upper
83 100
85 44.8 51.1 76.7#
127 4.2 6.3 9.5#





#44

2,2,4-Trimethylpentane

Concen: 2.910 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

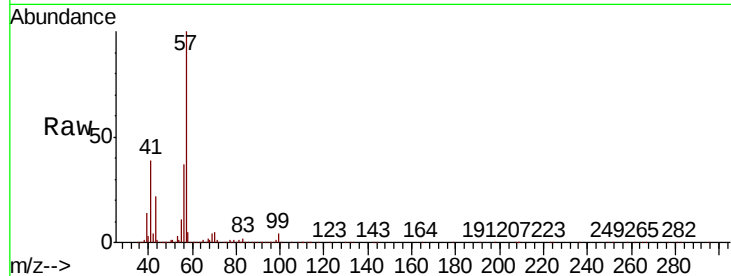
MSVOA_L

ClientSampleId :

NS-14

Tot Ion: 57 Resp: 1687735

Ion	Ratio	Lower	Upper
57	100		
41	40.9	28.8	43.2
56	38.0	25.8	38.6

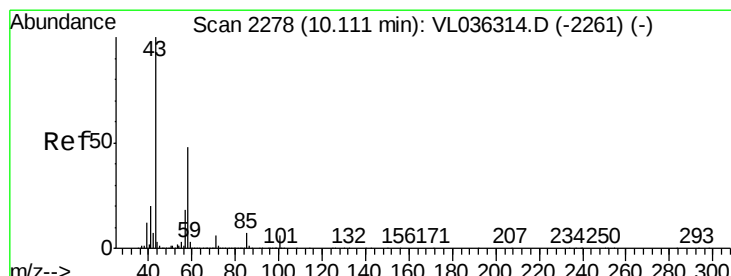
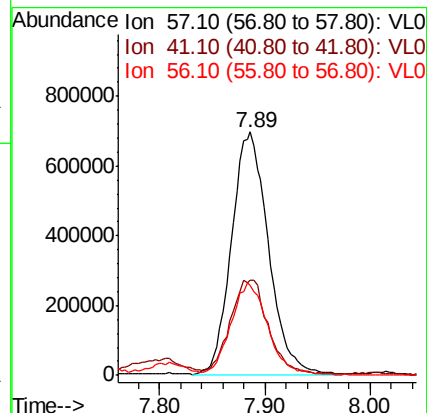
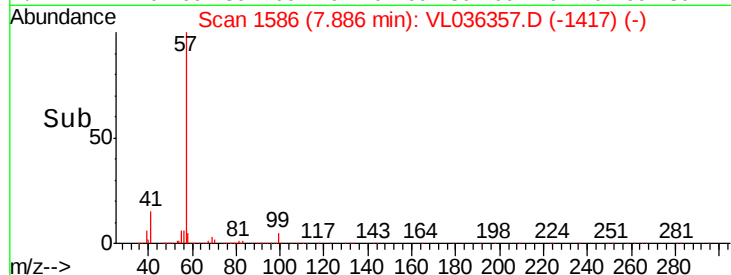


Abundance

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: 0.507 ppbv

RT: 10.12 min Scan# 2282

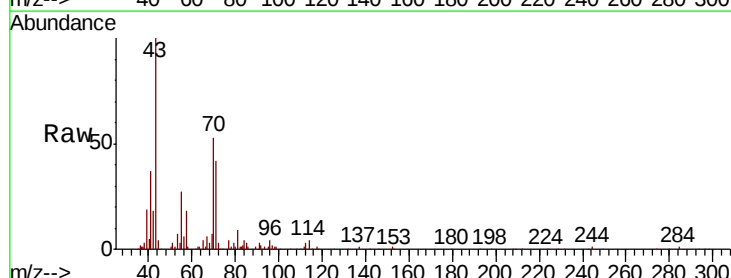
Delta R.T. 0.01 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Tgt Ion: 43 Resp: 142576

Ion	Ratio	Lower	Upper
43	100		
58	1.2	38.7	58.1#
98	1.7	0.4	0.6#

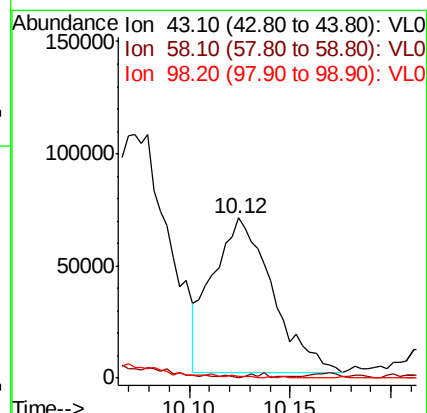
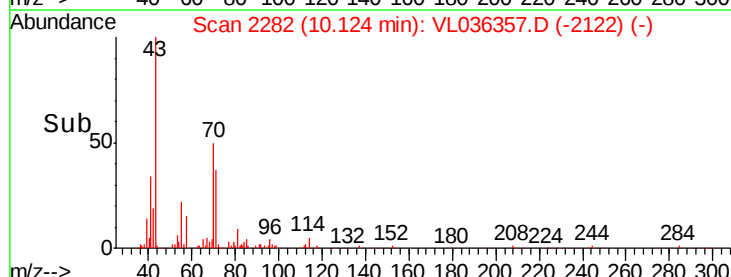


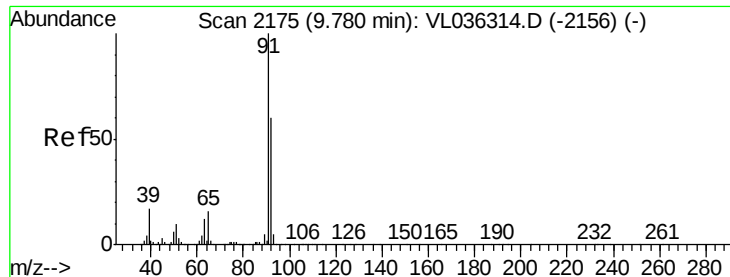
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0





#53

Toluene

Concen: 8.895 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.05 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

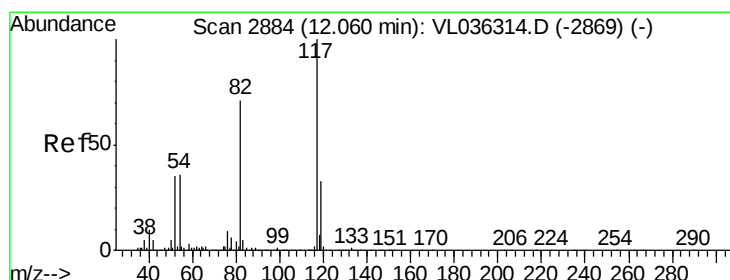
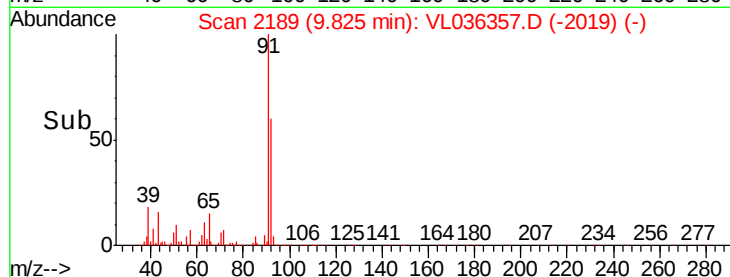
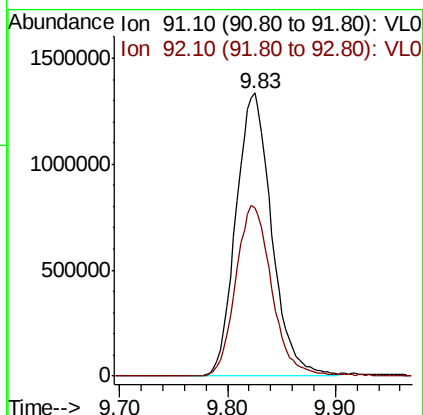
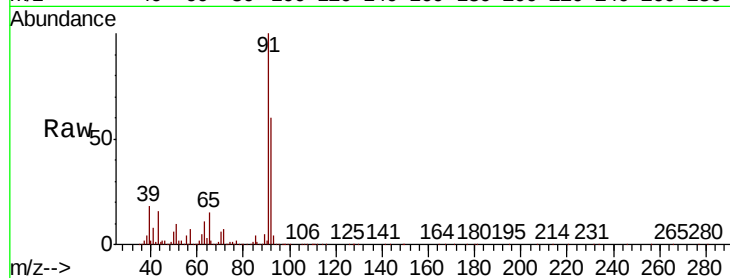
NS-14

Tot Ion: 91 Resp: 3072673

Ion Ratio Lower Upper

91 100

92 61.1 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.05 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

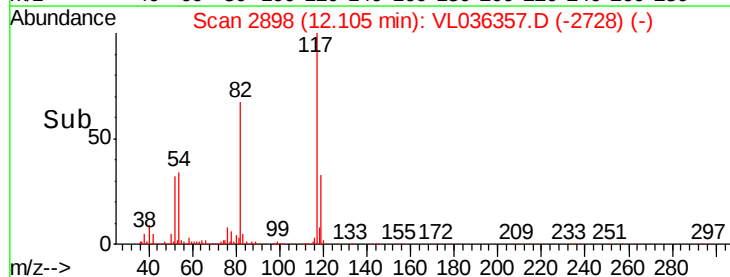
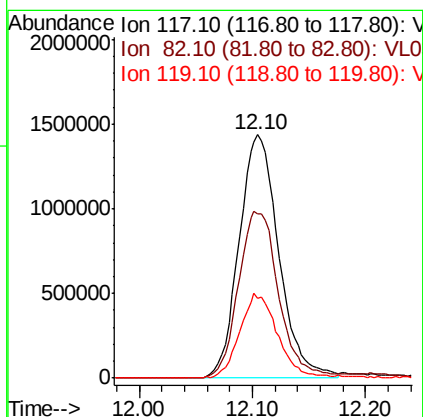
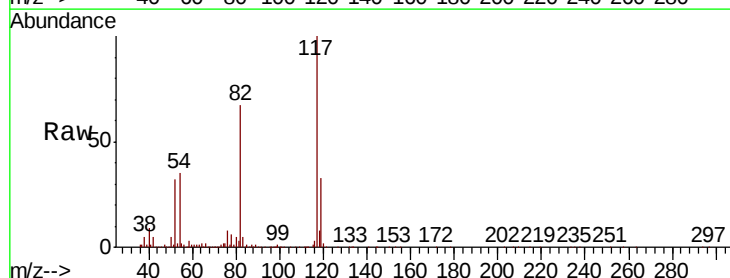
Tgt Ion: 117 Resp: 3510785

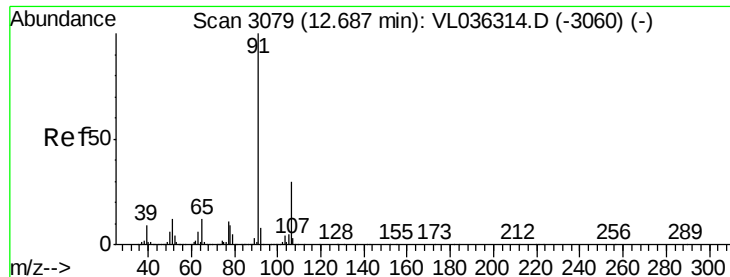
Ion Ratio Lower Upper

117 100

82 70.0 59.1 88.7

119 34.0 46.3 69.5#





#58

Ethyl Benzene

Concen: 1.965 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

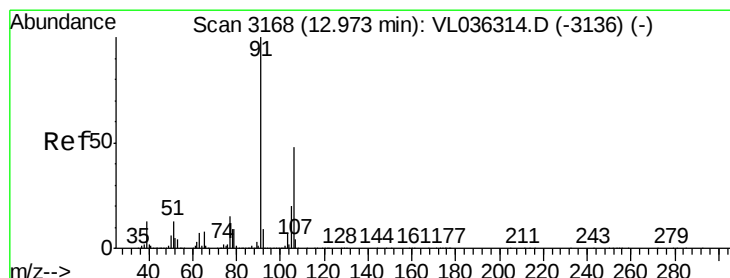
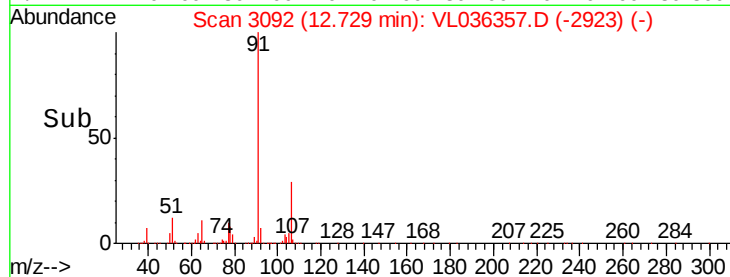
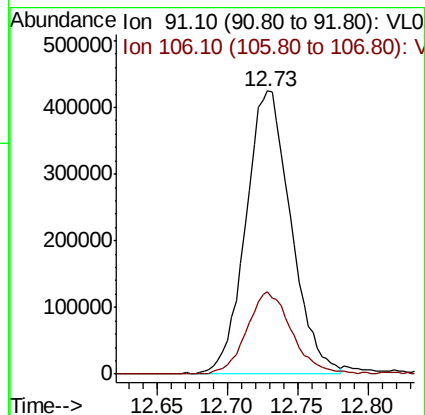
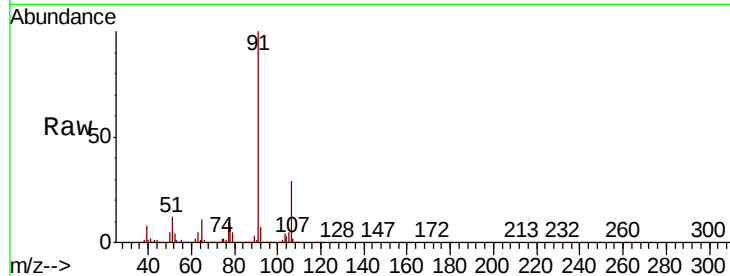
NS-14

Tot Ion: 91 Resp: 944440

Ion Ratio Lower Upper

91 100

106 29.1 23.8 35.6



#59

m/p-Xylene

Concen: 5.703 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VL036357.D

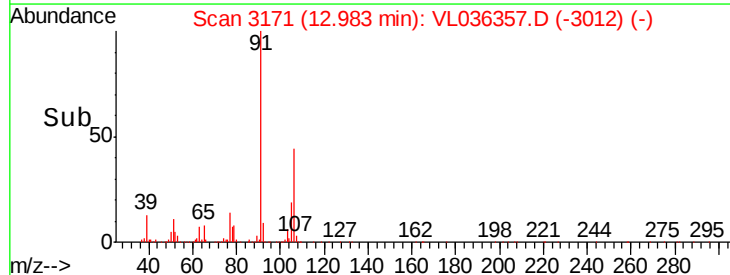
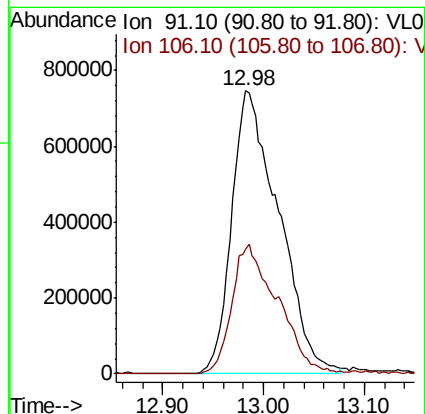
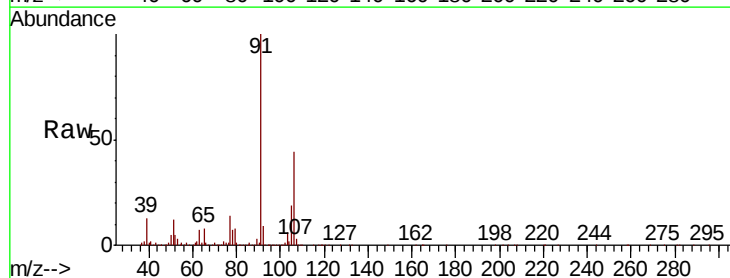
Acq: 24 Feb 2021 19:22

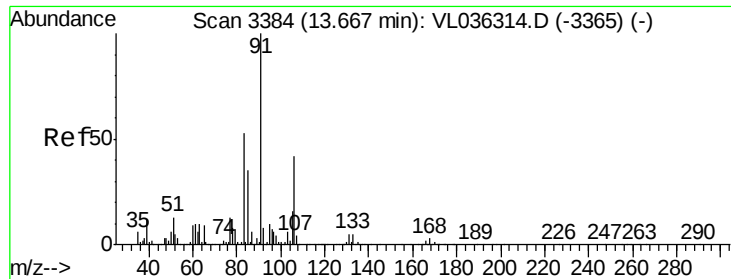
Tgt Ion: 91 Resp: 2408040

Ion Ratio Lower Upper

91 100

106 45.5 34.2 51.2

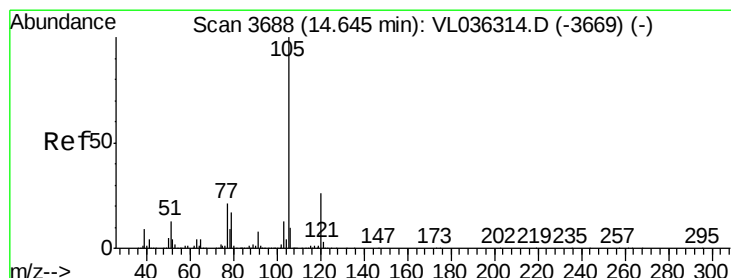
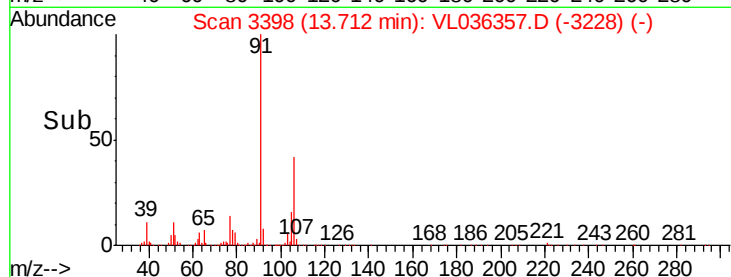
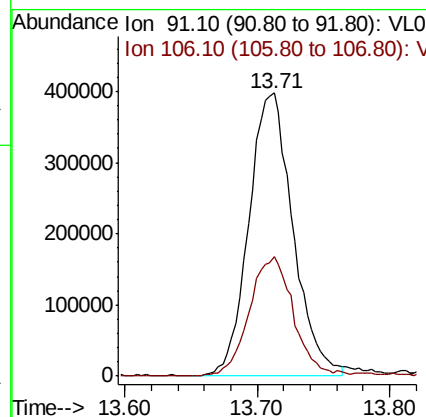
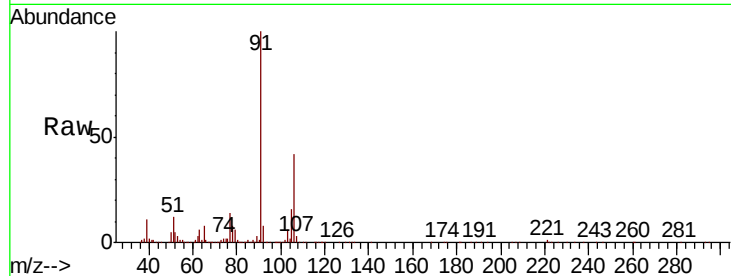




#60
o-Xylene
Concen: 2.272 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.05 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

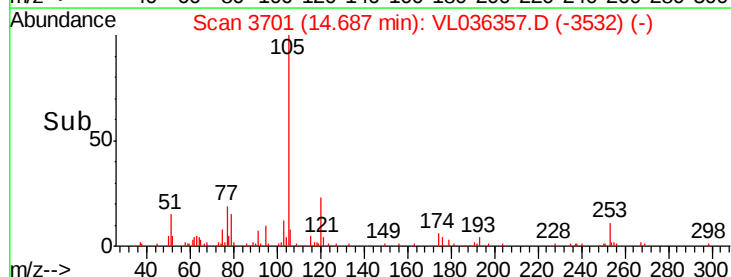
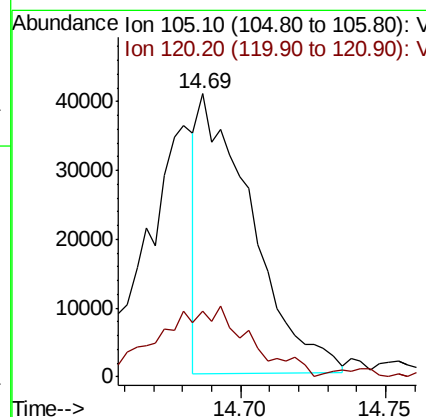
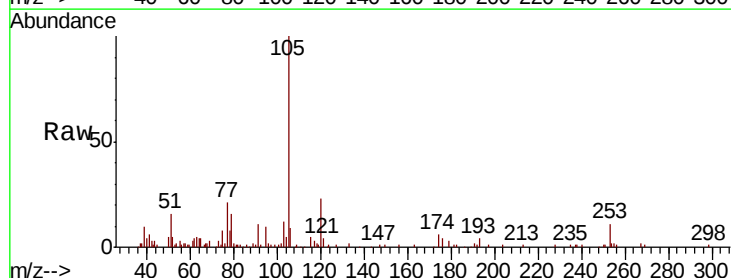
Instrument :
MSVOA_L
ClientSampled :
NS-14

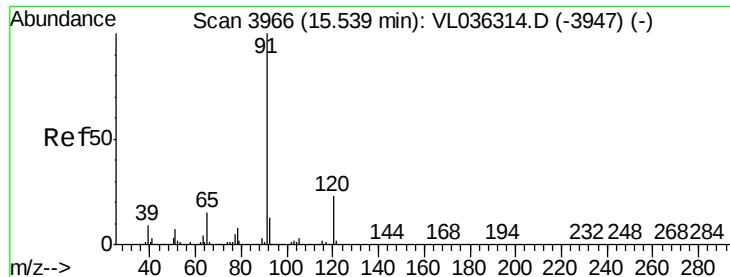
Tot Ion: 91 Resp: 917203
Ion Ratio Lower Upper
91 100
106 43.7 22.0 66.0



#62
Isopropylbenzene
Concen: 0.086 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. 0.04 min
Lab File: VL036357.D
Acq: 24 Feb 2021 19:22

Tgt Ion: 105 Resp: 51880
Ion Ratio Lower Upper
105 100
120 45.7 20.6 30.8#





#64

n-propylbenzene

Concen: 0.088 ppbv

RT: 15.60 min Scan# 3984

Delta R.T. 0.06 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampleId :

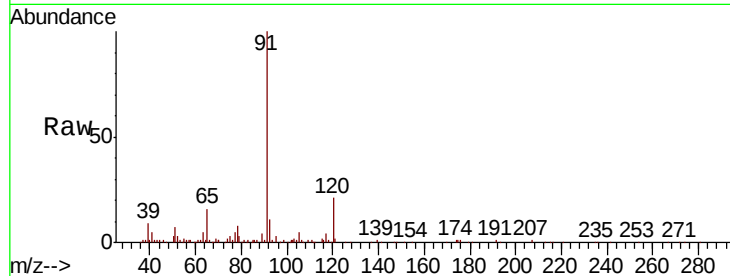
NS-14

Tot Ion:120 Resp: 13036

Ion Ratio Lower Upper

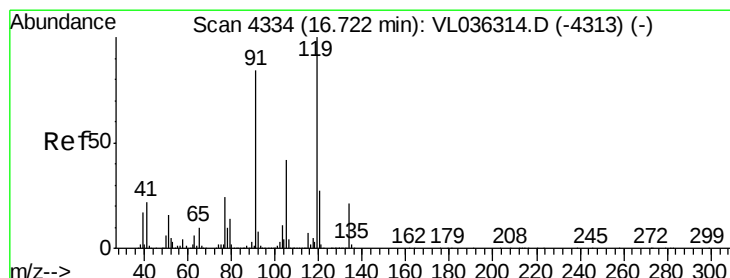
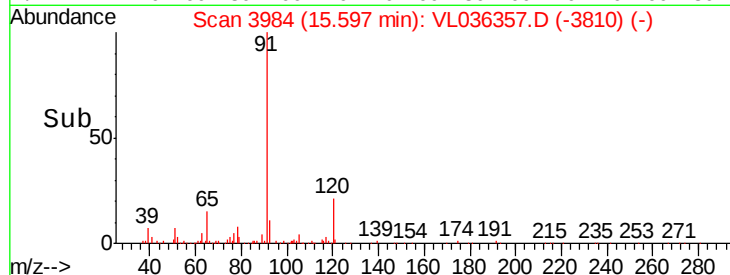
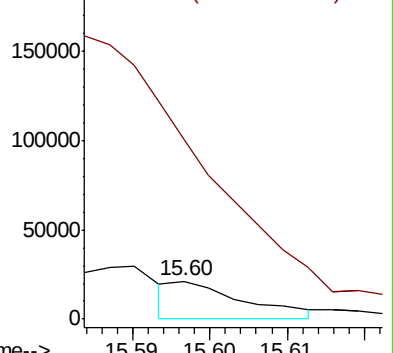
120 100

91 0.0 387.2 580.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.086 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. 0.06 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

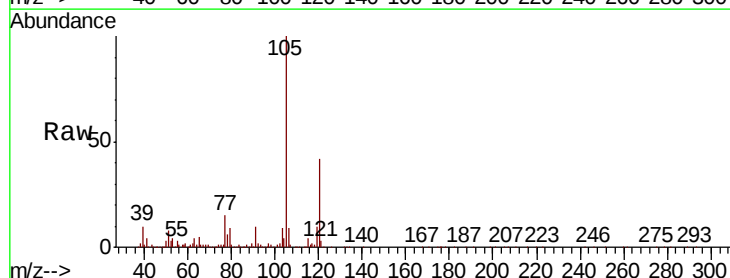
Tgt Ion:119 Resp: 44331

Ion Ratio Lower Upper

119 100

91 0.0 70.5 105.7#

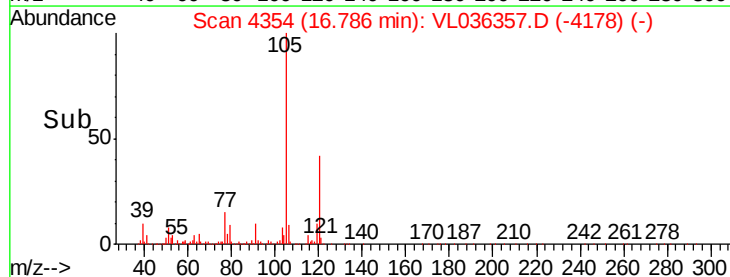
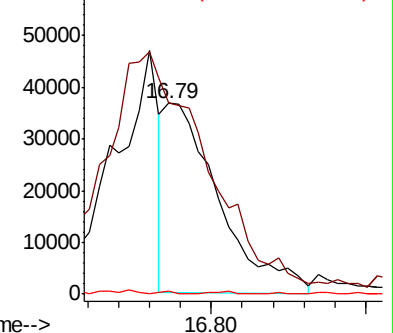
134 0.0 15.8 23.8#

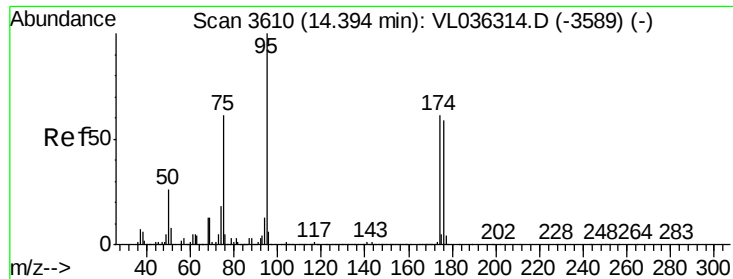


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.792 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampled :

NS-14

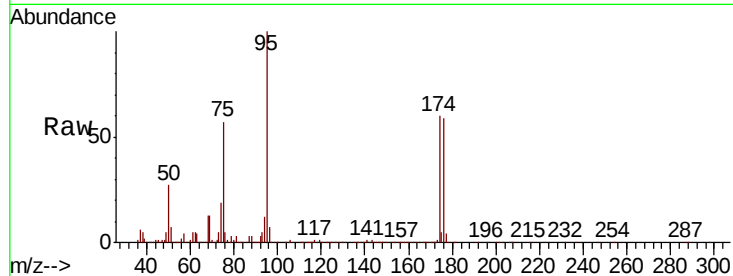
Tot Ion: 95 Resp: 2828526

Ion Ratio Lower Upper

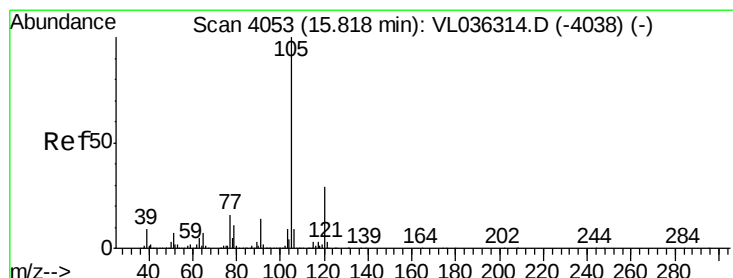
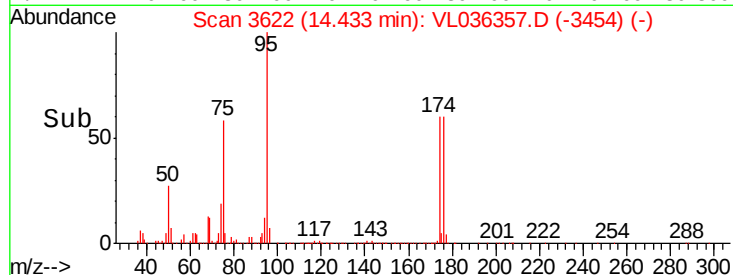
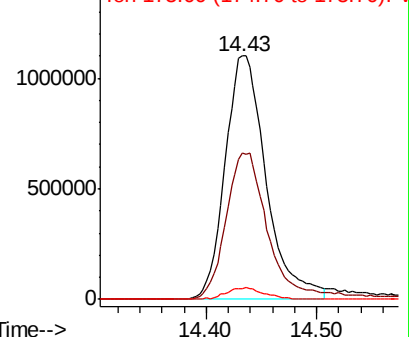
95 100

174 64.0 49.8 74.6

175 4.6 3.7 5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.669 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Tgt Ion: 105 Resp: 300804

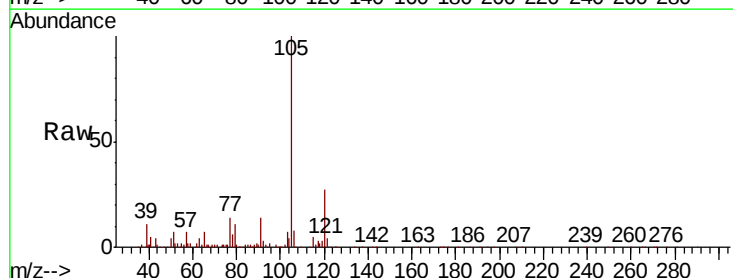
Ion Ratio Lower Upper

105 100

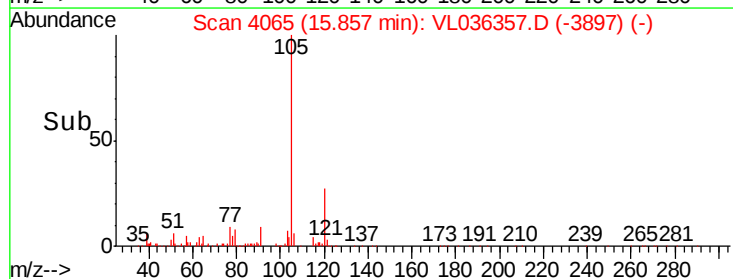
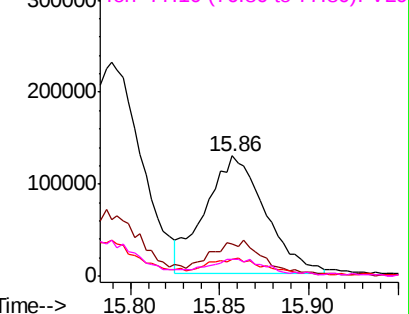
120 29.6 23.2 34.8

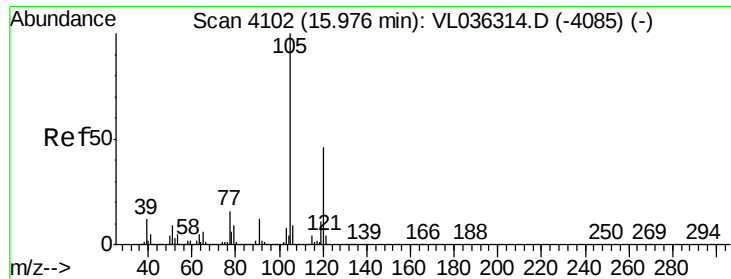
91 14.1 11.0 16.4

77 16.3 12.2 18.4



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 0.228 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Instrument :

MSVOA_L

ClientSampled :

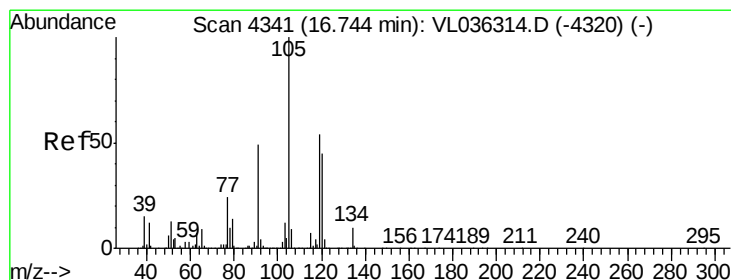
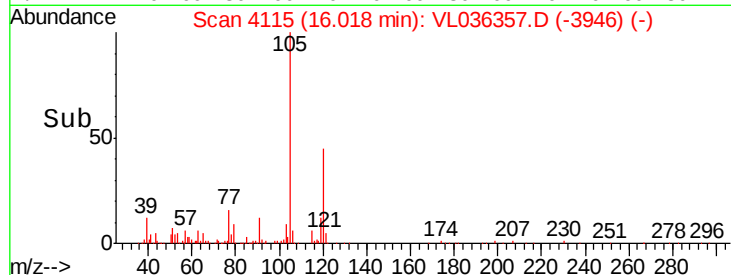
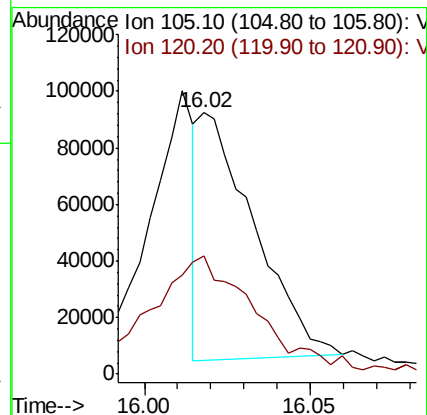
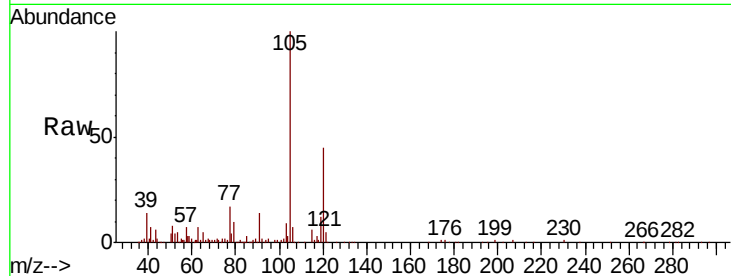
NS-14

Tot Ion:105 Resp: 99447

Ion Ratio Lower Upper

105 100

120 40.6 36.9 55.3



#74

1,2,4-Trimethylbenzene

Concen: 2.014 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.04 min

Lab File: VL036357.D

Acq: 24 Feb 2021 19:22

Tgt Ion:105 Resp: 895493

Ion Ratio Lower Upper

105 100

120 42.3 35.8 53.6

91 11.0 39.8 59.6#

77 15.7 19.1 28.7#

