

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036370.D
 Acq On : 25 Feb 2021 4:08
 Operator : SY/AP
 Sample : M1463-11
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-5

Quant Time: Feb 25 05:22:30 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	5.67	49	1628836	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3586217	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3345003	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2670691	9.70	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

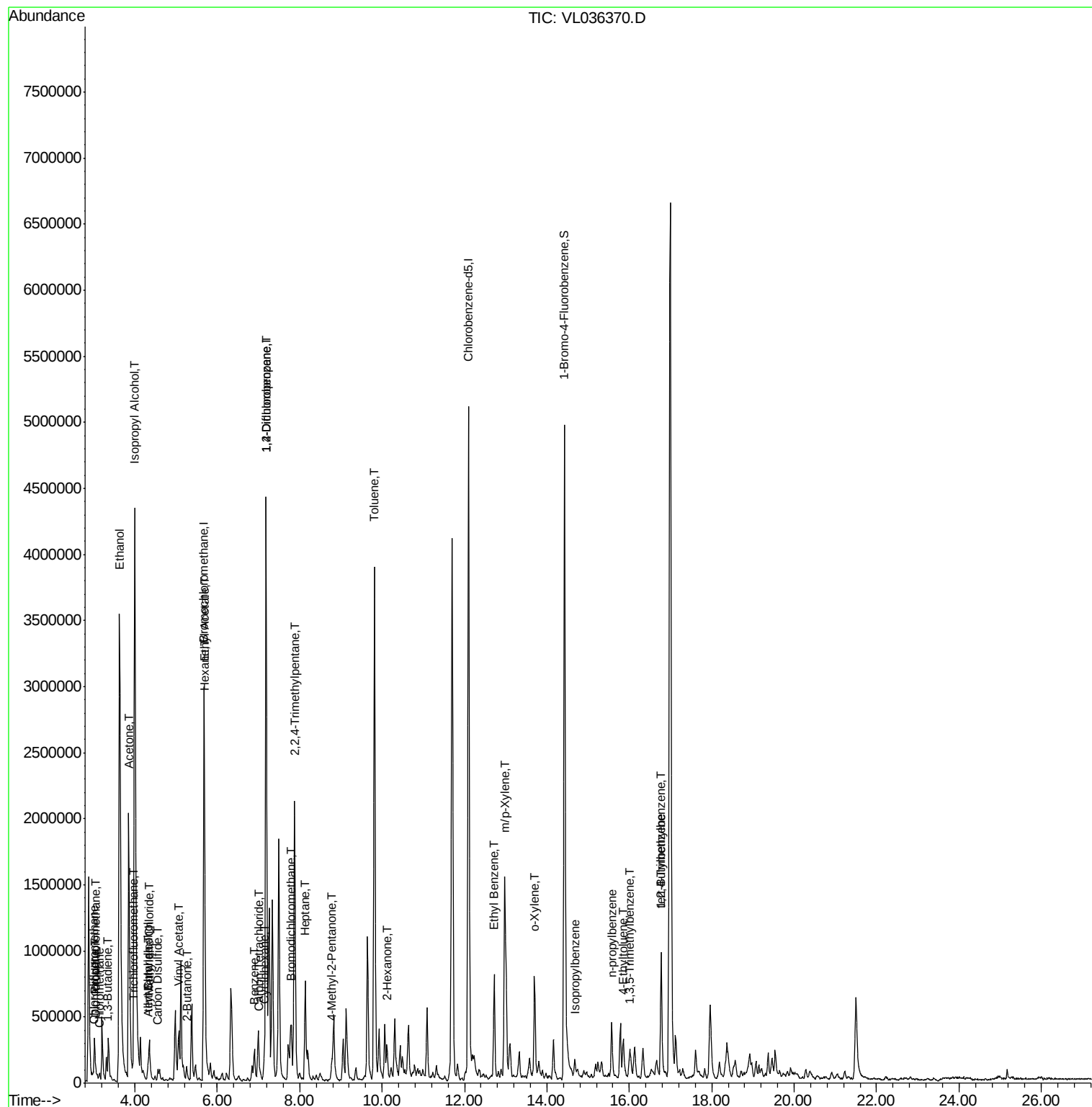
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	33081	0.136 ppbv	92
3) Chlorodifluoromethane	2.99	51	91861	0.454 ppbv #	84
4) Chloromethane	3.14	50	18858	0.193 ppbv	99
9) Propene	3.02	41	114496	1.517 ppbv	85
10) Heptane	8.13	43	314356	1.414 ppbv	98
11) Trichlorofluoromethane	3.95	101	37525	0.158 ppbv #	82
13) Ethanol	3.63	45	6148170	433.798 ppbv	89
15) Acetone	3.85	43	2816043	14.144 ppbv	100
16) 1,3-Butadiene	3.33	39	5885	0.062 ppbv #	1
17) tert-Butyl alcohol	4.32	59	101439	0.656 ppbv #	92
19) Isopropyl Alcohol	3.99	45	7352357	66.652 ppbv #	97
20) Methylene Chloride	4.35	84	46888	0.730 ppbv	93
21) Allyl Chloride	4.32	41	23621	0.213 ppbv #	16
23) Vinyl Acetate	5.07	43	78800	0.337 ppbv #	11
25) Ethyl Acetate	5.69	43	327601	0.852 ppbv #	92
26) Hexane	5.69	57	302955	1.918 ppbv #	50
27) Carbon Disulfide	4.56	76	102236	0.704 ppbv #	90
30) Cyclohexane	7.14	84	40864	0.311 ppbv	91
34) 2-Butanone	5.25	43	122294	0.513 ppbv	93
35) Carbon Tetrachloride	7.02	117	8333	0.035 ppbv	85
36) Benzene	6.90	78	181506	0.596 ppbv	94
39) 1,2-Dichloropropane	7.19	63	1011229	8.172 ppbv #	22
42) Bromodichloromethane	7.81	83	15208	0.060 ppbv #	33
44) 2,2,4-Trimethylpentane	7.88	57	1936906	3.497 ppbv	90
50) 4-Methyl-2-Pentanone	8.76	43	10750	0.030 ppbv #	15
51) 2-Hexanone	10.12	43	112579	0.419 ppbv #	32
53) Toluene	9.82	91	2609929	7.910 ppbv	100
58) Ethyl Benzene	12.72	91	687645	1.501 ppbv	98
59) m/p-Xylene	12.98	91	1643353	4.085 ppbv	95
60) o-Xylene	13.70	91	617010	1.604 ppbv	99
62) Isopropylbenzene	14.68	105	107320	0.186 ppbv	100
64) n-propylbenzene	15.58	120	31841	0.224 ppbv #	1
65) tert-Butylbenzene	16.77	119	45317	0.092 ppbv #	1
72) 4-Ethyltoluene	15.85	105	217836	0.509 ppbv #	97
73) 1,3,5-Trimethylbenzene	16.01	105	58563	0.141 ppbv #	83
74) 1,2,4-Trimethylbenzene	16.77	105	733931	1.732 ppbv #	69

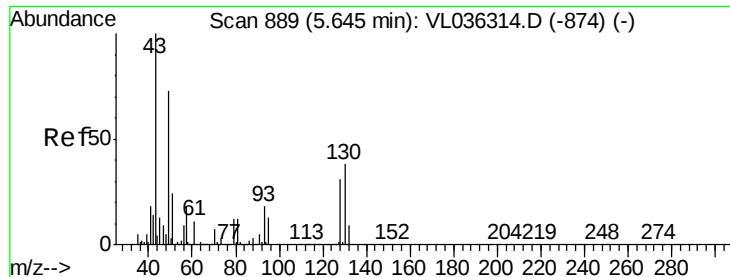
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

NS-5

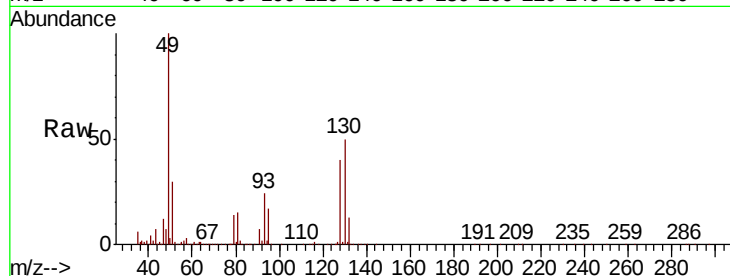
Tot Ion: 49 Resp: 1628836

Ion Ratio Lower Upper

49 100

128 41.8 20.8 62.5

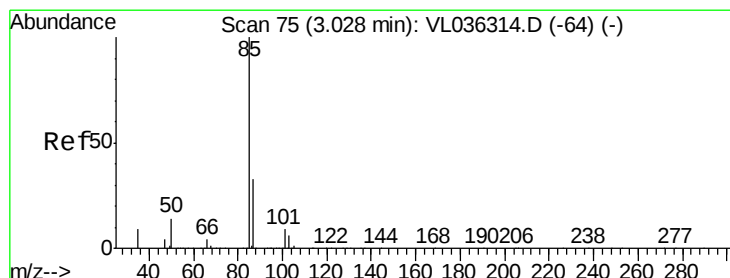
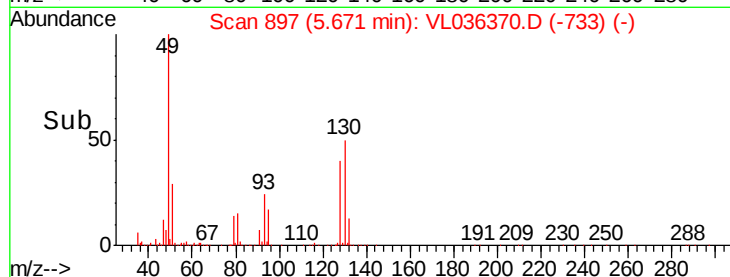
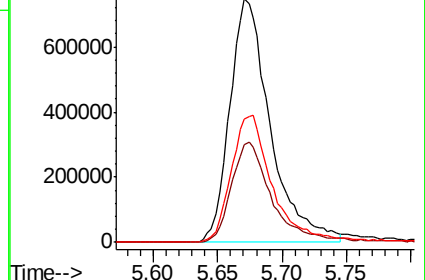
130 53.5 26.7 80.1



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



#2

Dichlorodifluoromethane

Concen: 0.136 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.02 min

Lab File: VL036370.D

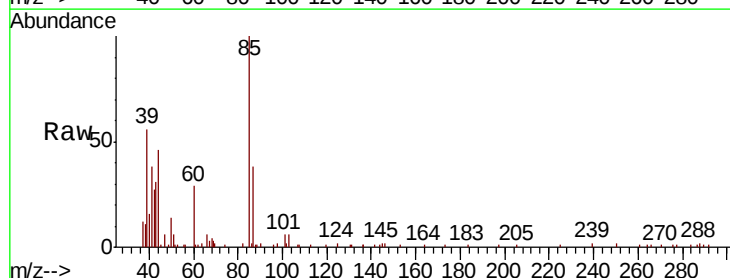
Acq: 25 Feb 2021 4:08

Tgt Ion: 85 Resp: 33081

Ion Ratio Lower Upper

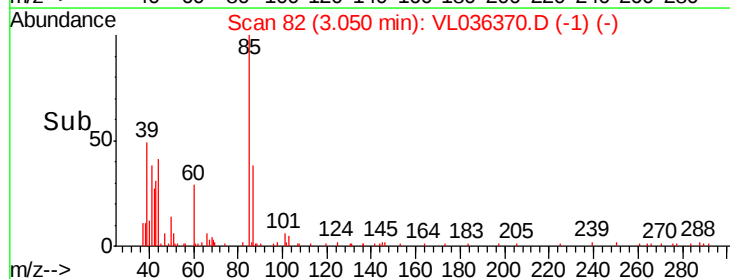
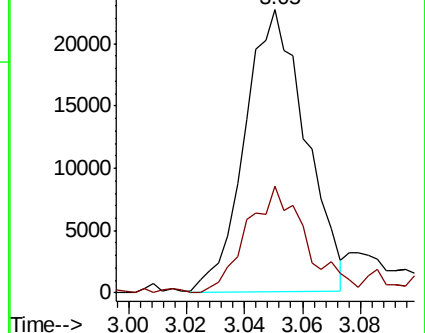
85 100

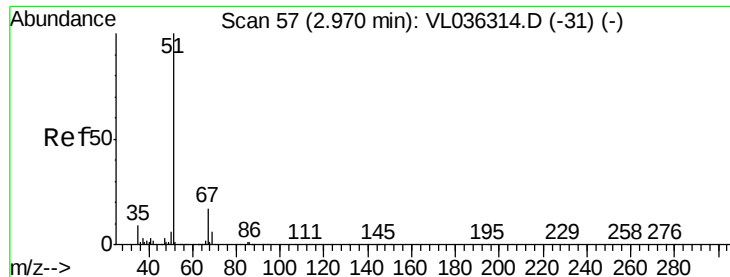
87 37.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.454 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

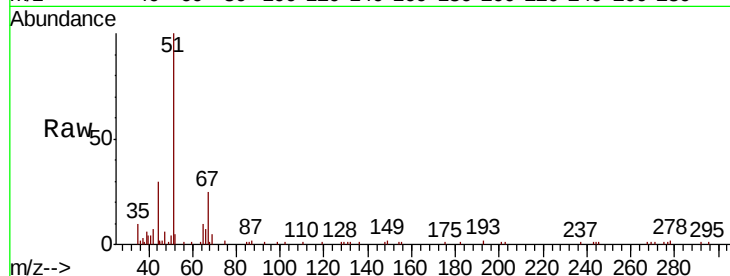
NS-5

Tot Ion: 51 Resp: 91861

Ion Ratio Lower Upper

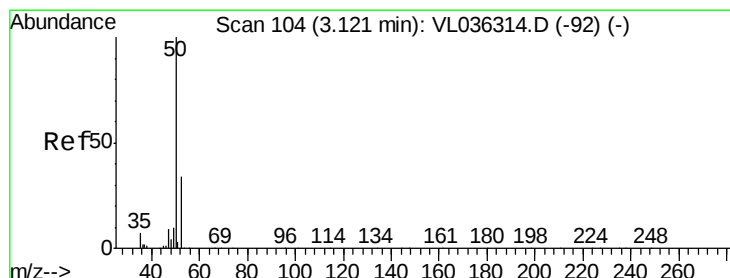
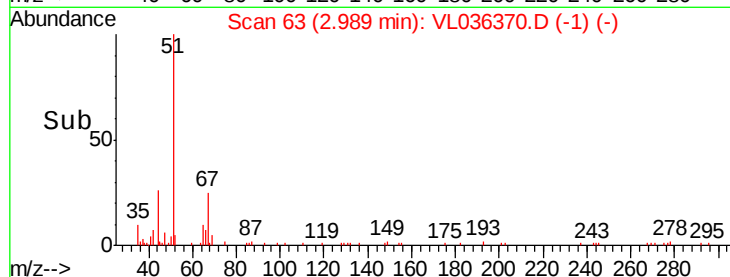
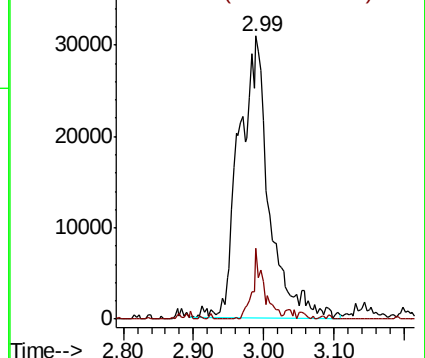
51 100

67 11.4 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.193 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.02 min

Lab File: VL036370.D

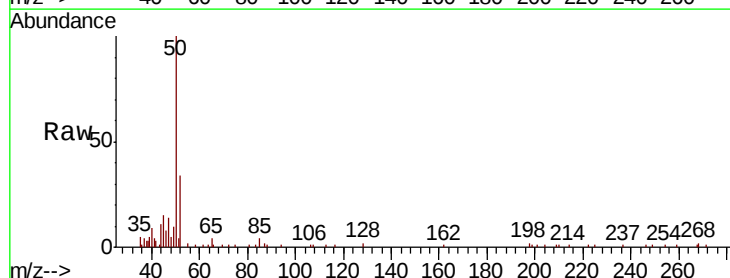
Acq: 25 Feb 2021 4:08

Tgt Ion: 50 Resp: 18858

Ion Ratio Lower Upper

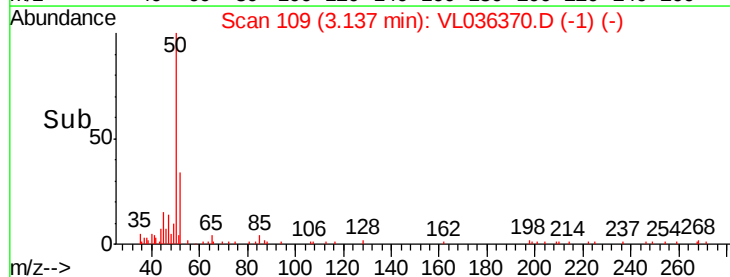
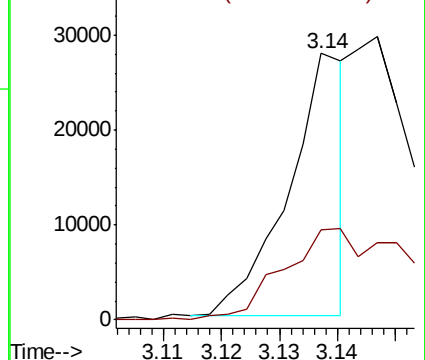
50 100

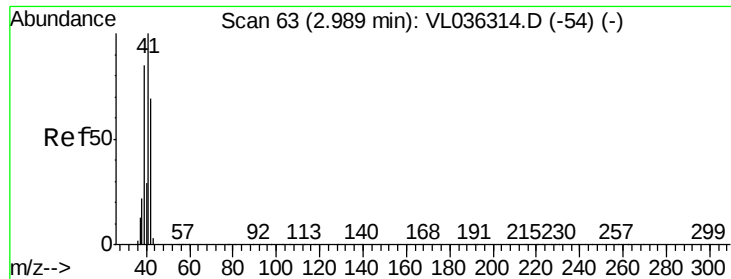
52 34.2 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.517 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

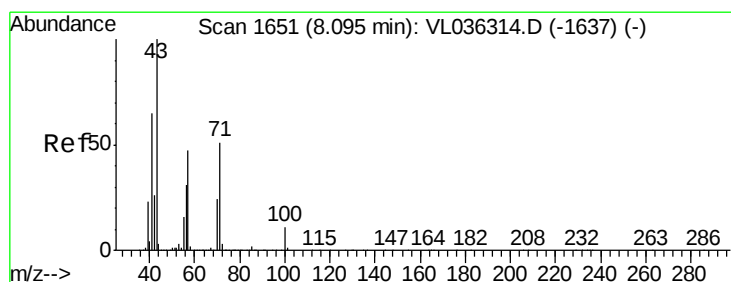
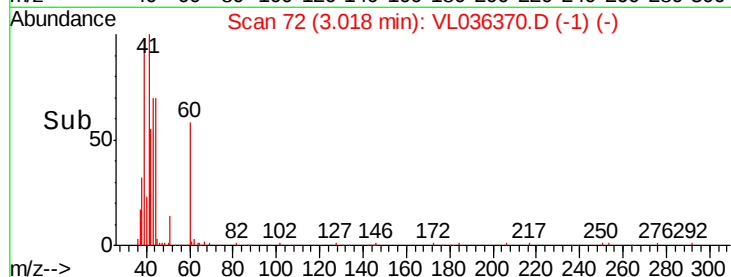
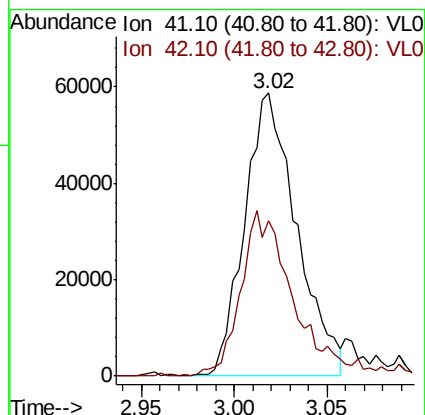
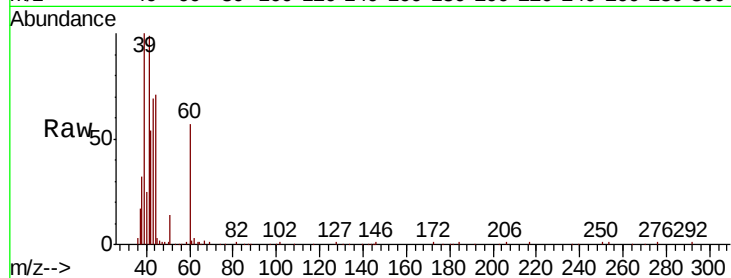
NS-5

Tot Ion: 41 Resp: 114496

Ion Ratio Lower Upper

41 100

42 58.0 56.2 84.2



#10

Heptane

Concen: 1.414 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.03 min

Lab File: VL036370.D

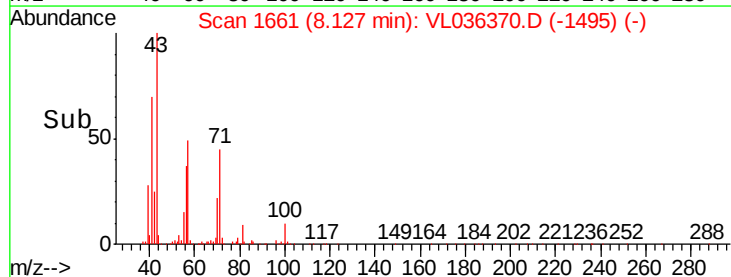
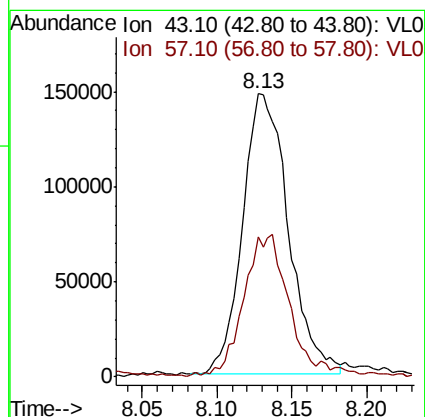
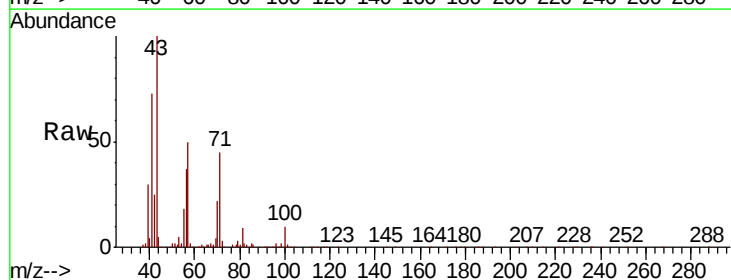
Acq: 25 Feb 2021 4:08

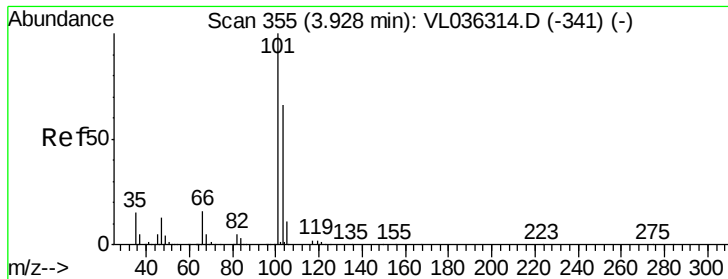
Tgt Ion: 43 Resp: 314356

Ion Ratio Lower Upper

43 100

57 50.7 39.4 59.2

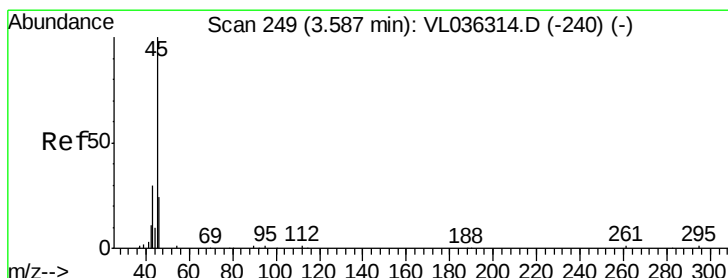
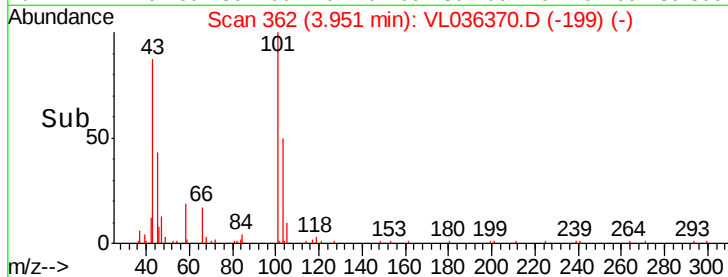
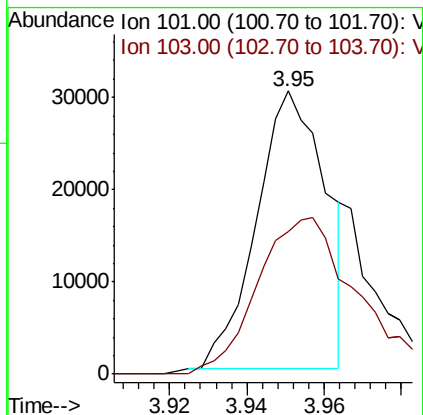
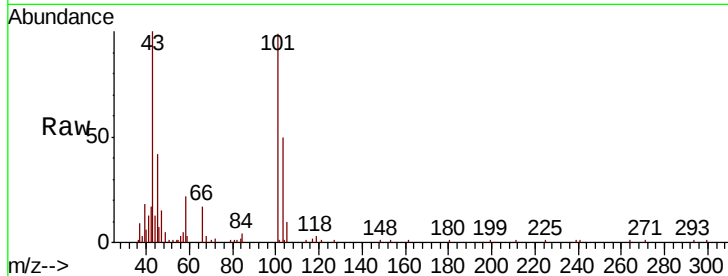




#11
 Trichlorofluoromethane
 Concen: 0.158 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.02 min
 Lab File: VL036370.D
 Acq: 25 Feb 2021 4:08

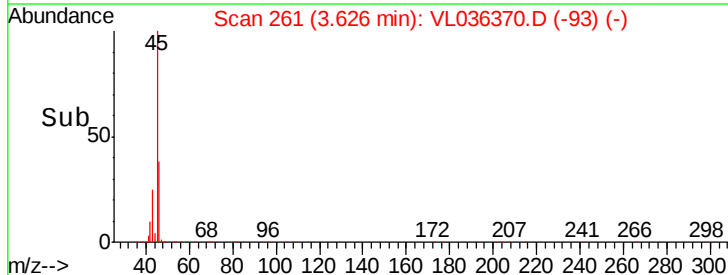
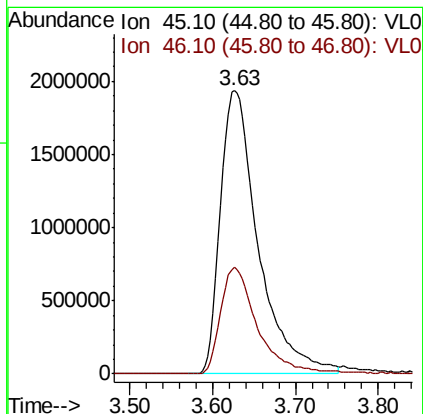
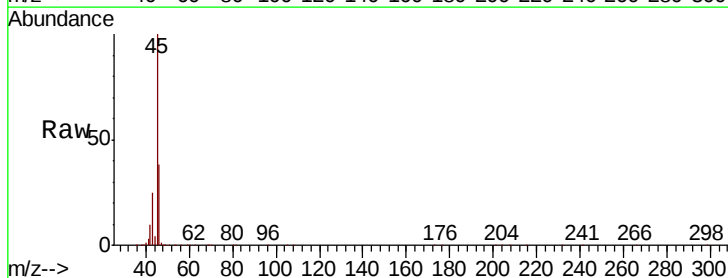
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-5

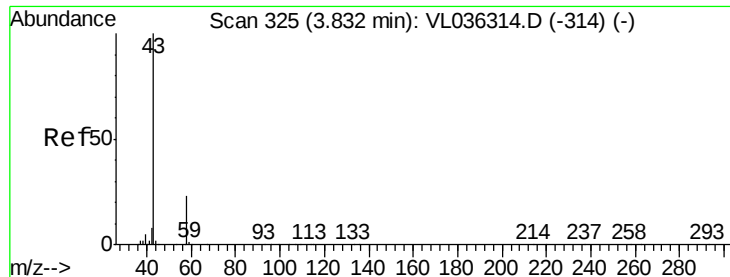
Tot Ion:101 Resp: 37525
 Ion Ratio Lower Upper
 101 100
 103 51.5 52.9 79.3#



#13
 Ethanol
 Concen: 433.798 ppbv
 RT: 3.63 min Scan# 261
 Delta R.T. 0.04 min
 Lab File: VL036370.D
 Acq: 25 Feb 2021 4:08

Tgt Ion: 45 Resp: 6148170
 Ion Ratio Lower Upper
 45 100
 46 36.8 17.7 70.7





#15

Acetone

Concen: 14.144 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.02 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

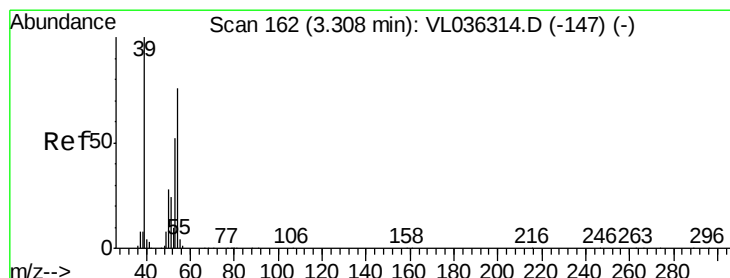
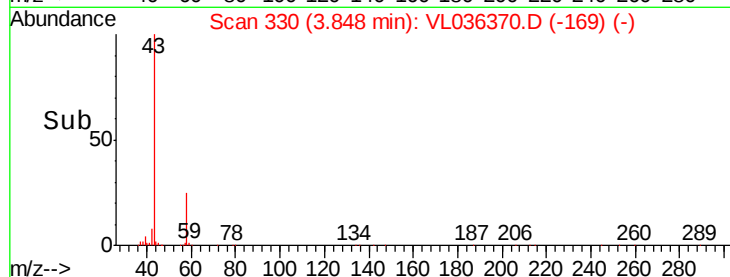
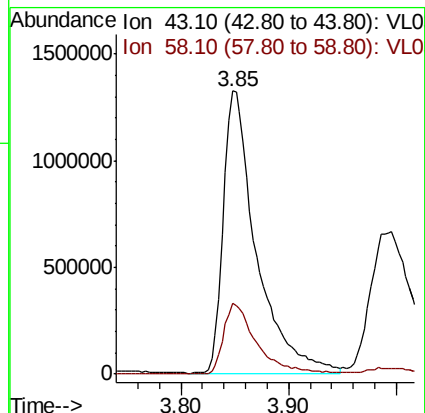
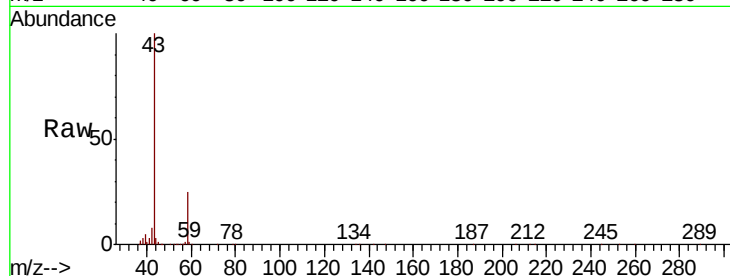
NS-5

Tot Ion: 43 Resp: 2816043

Ion Ratio Lower Upper

43 100

58 25.5 20.3 30.5



#16

1,3-Butadiene

Concen: 0.062 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.03 min

Lab File: VL036370.D

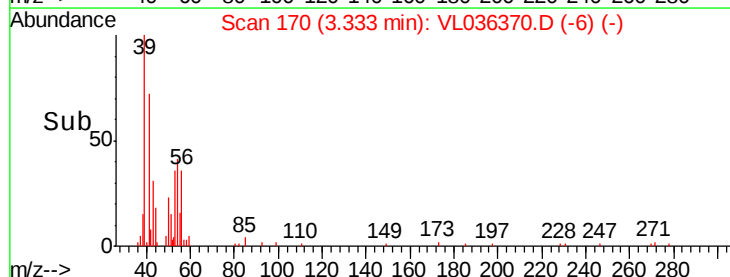
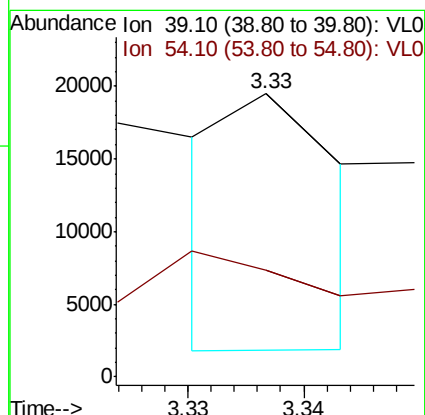
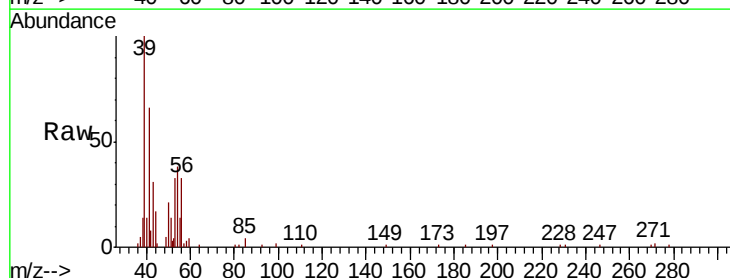
Acq: 25 Feb 2021 4:08

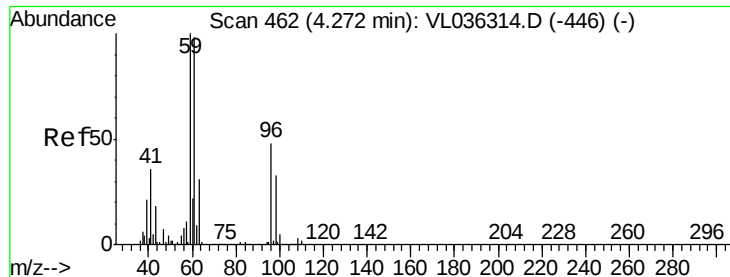
Tgt Ion: 39 Resp: 5885

Ion Ratio Lower Upper

39 100

54 266.0 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.656 ppbv

RT: 4.32 min Scan# 478

Delta R.T. 0.05 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

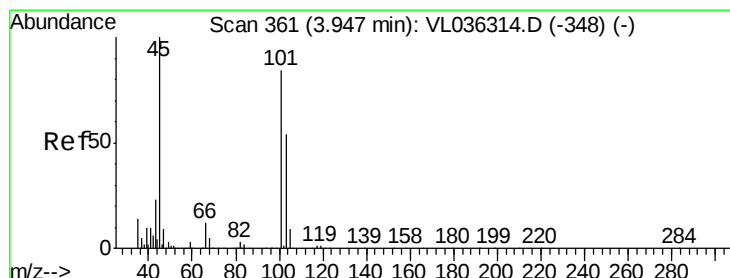
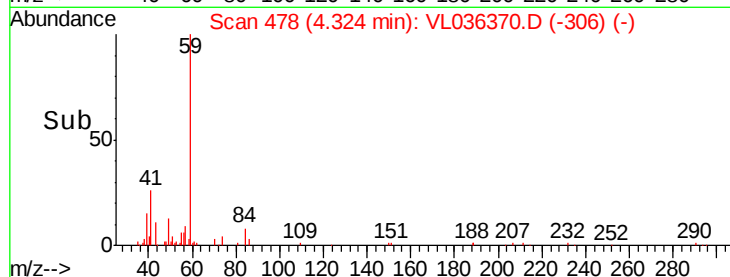
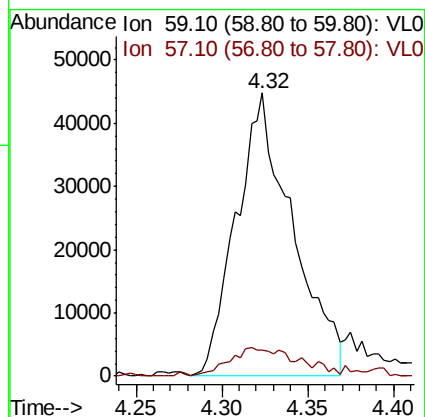
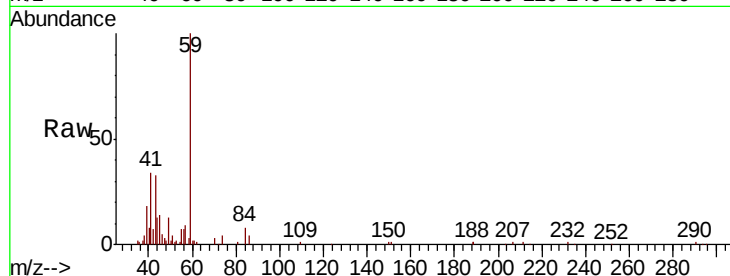
NS-5

Tot Ion: 59 Resp: 101439

Ion Ratio Lower Upper

59 100

57 14.3 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 66.652 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.05 min

Lab File: VL036370.D

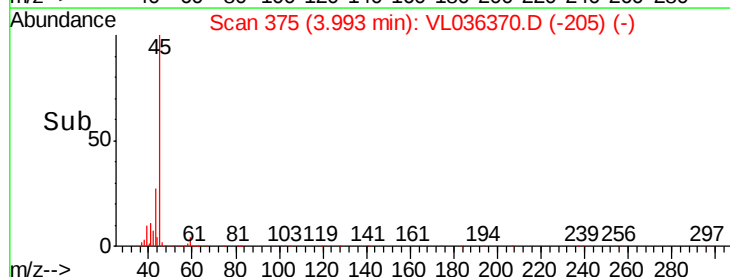
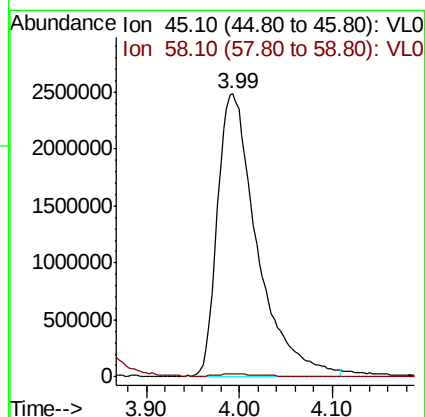
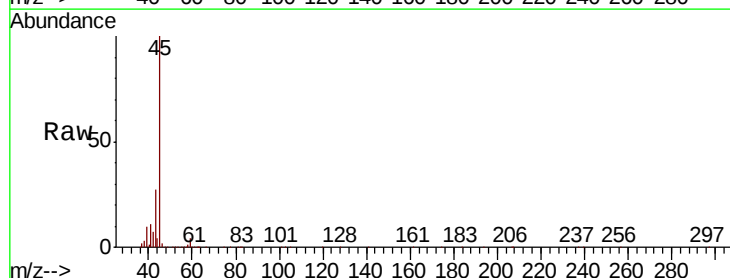
Acq: 25 Feb 2021 4:08

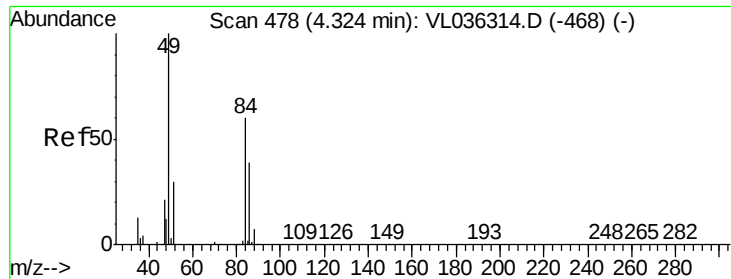
Tgt Ion: 45 Resp: 7352357

Ion Ratio Lower Upper

45 100

58 1.5 1.9 2.9#

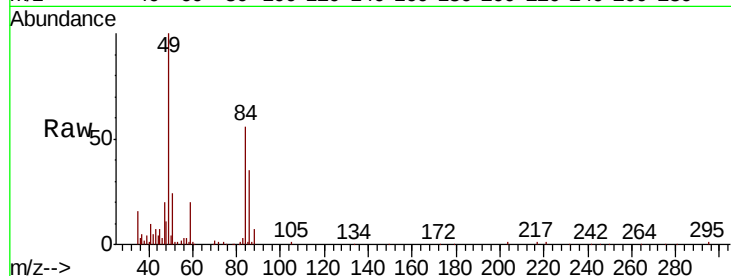




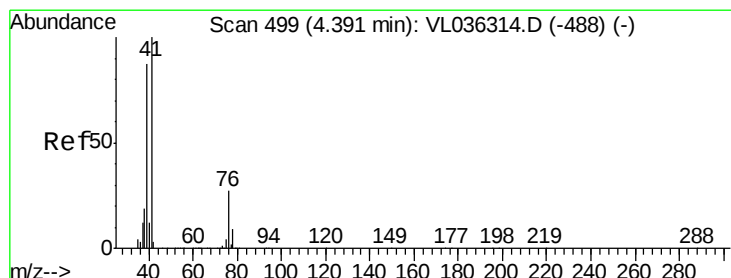
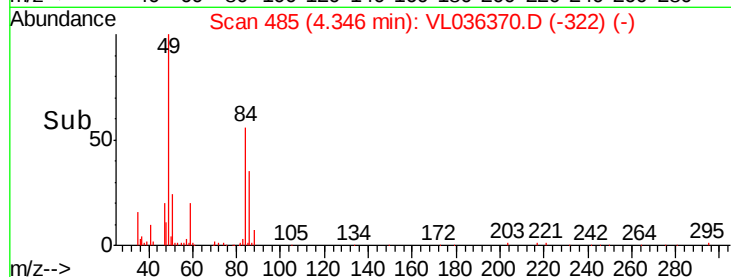
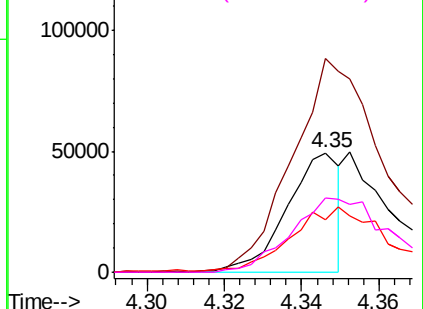
#20
Methvlene Chloride
Concen: 0.730 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
NS-5

Tot Ion:	84	Resp:	46888
Ion	Ratio	Lower	Upper
84	100		
49	177.4	133.8	200.8
51	42.7	41.4	62.0
86	62.4	51.5	77.3

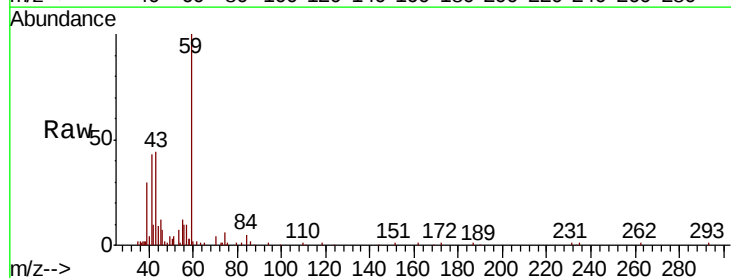


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

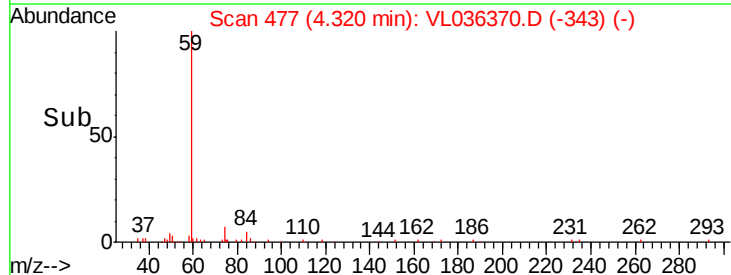
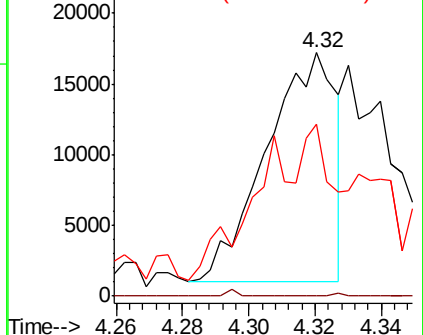


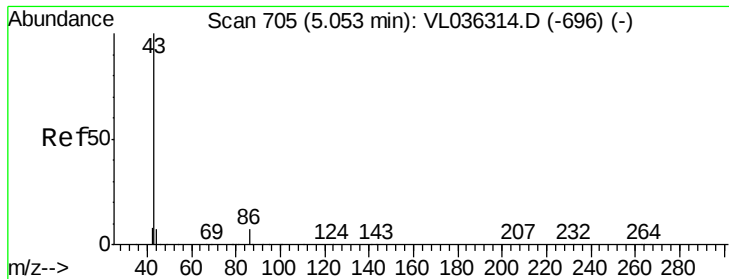
#21
Allyl Chloride
Concen: 0.213 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.07 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

Tgt Ion:	41	Resp:	23621
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.0	33.0#
39	0.0	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: 0.337 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

NS-5

Tot Ion: 43 Resp: 78800

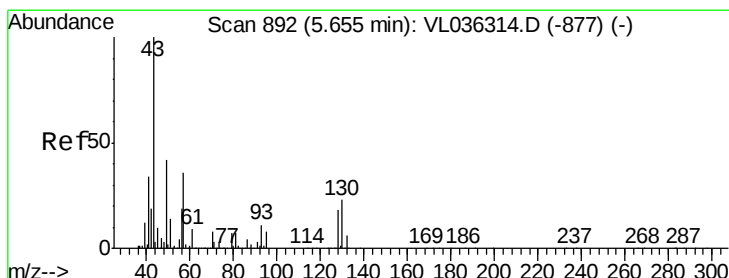
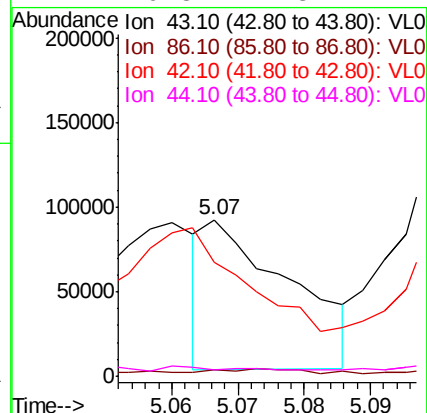
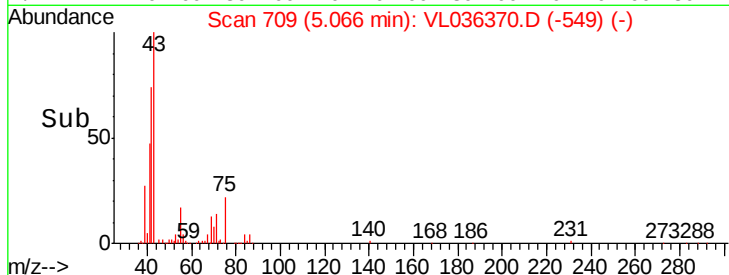
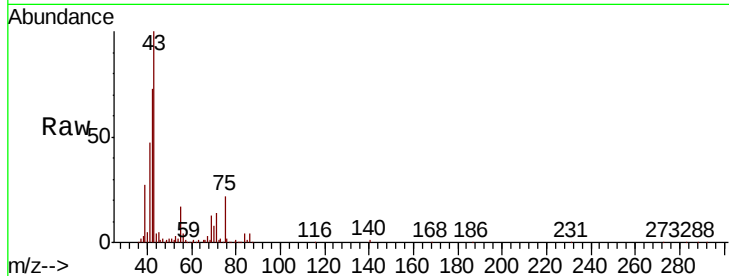
Ion Ratio Lower Upper

43 100

86 2.7 4.8 7.2#

42 77.3 7.4 11.0#

44 0.8 4.8 7.2#



#25

Ethyl Acetate

Concen: 0.852 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.04 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Tgt Ion: 43 Resp: 327601

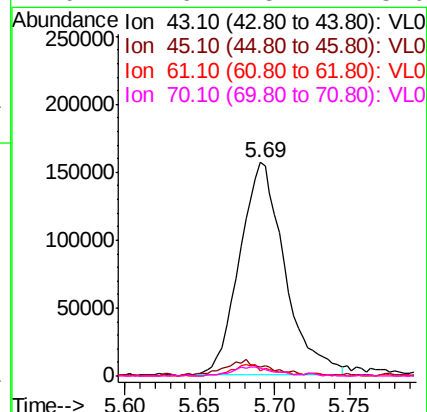
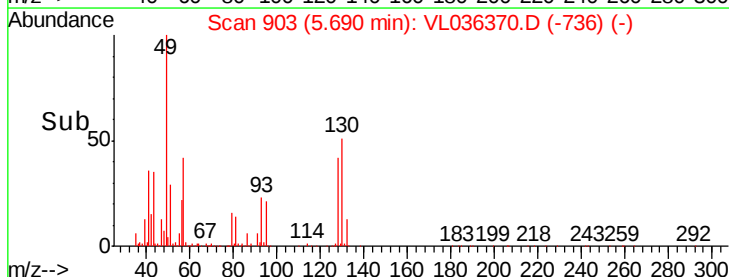
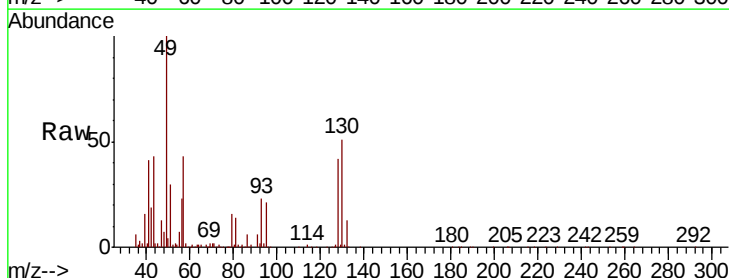
Ion Ratio Lower Upper

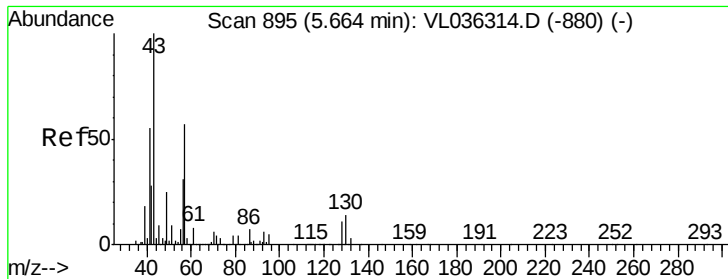
43 100

45 7.9 8.3 12.5#

61 5.3 7.3 10.9#

70 4.6 5.4 8.0#

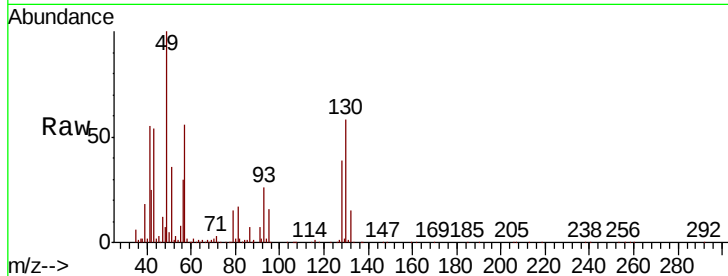




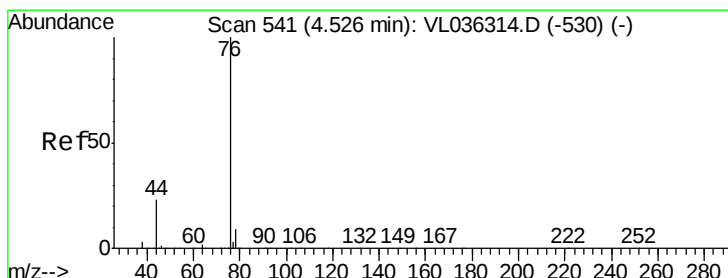
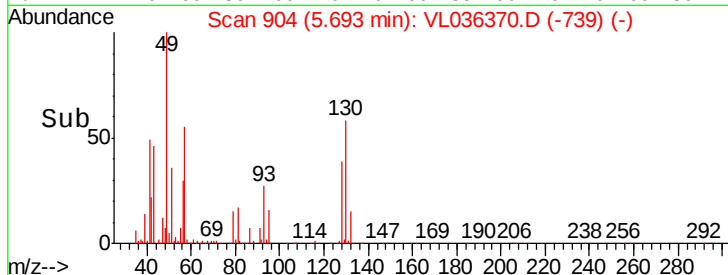
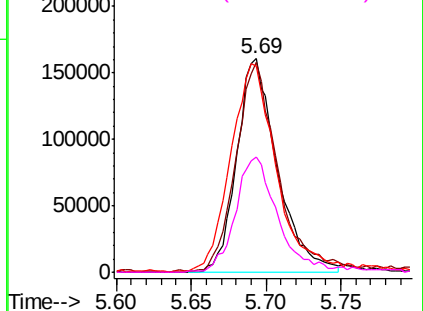
#26
Hexane
Concen: 1.918 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

Instrument :
MSVOA_L
ClientSampleId :
NS-5

Tot Ion:	57	Resp:	302955
Ion	Ratio	Lower	Upper
57	100		
41	105.0	81.7	122.5
43	111.4	199.1	298.7#
56	57.8	44.0	66.0

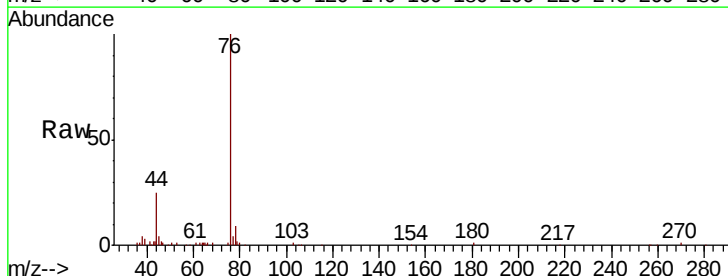


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

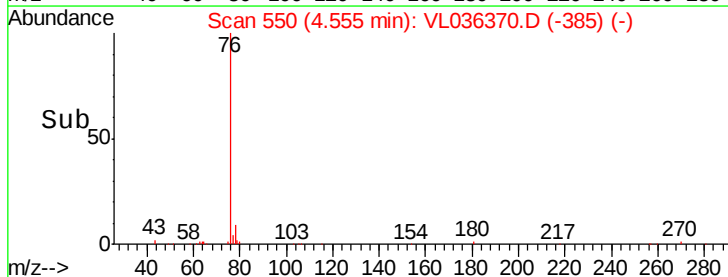
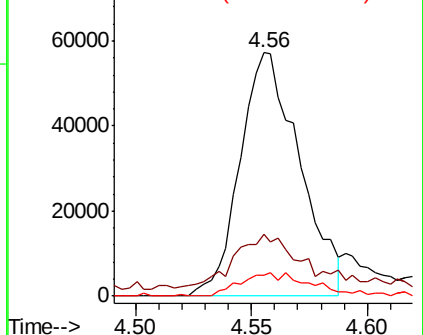


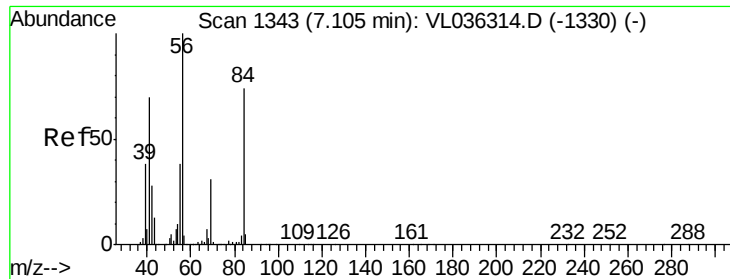
#27
Carbon Disulfide
Concen: 0.704 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.03 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

Tgt Ion:	76	Resp:	102236
Ion	Ratio	Lower	Upper
76	100		
44	29.2	18.4	27.6#
78	11.9	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

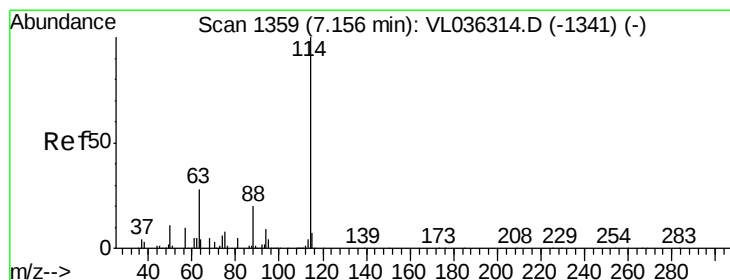
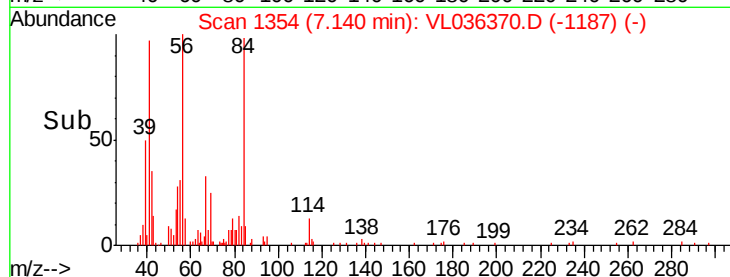
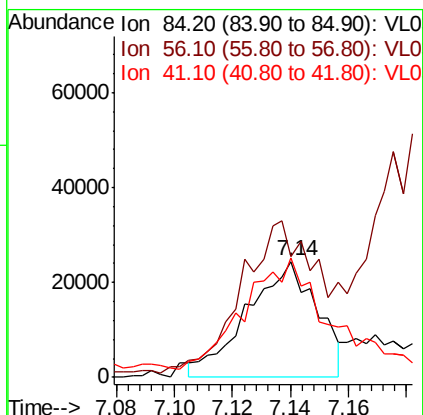
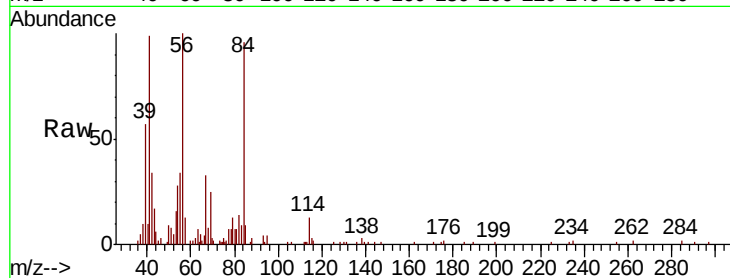




#30
Cvclohexane
Concen: 0.311 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.04 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

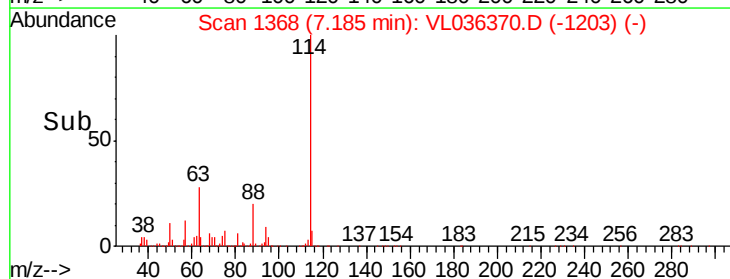
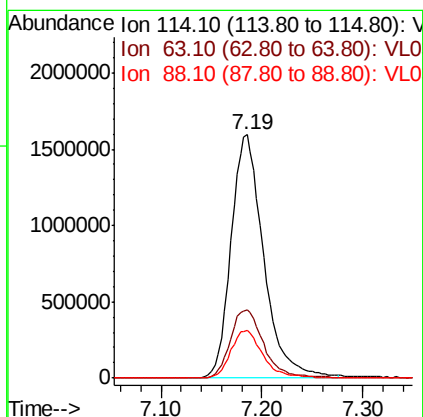
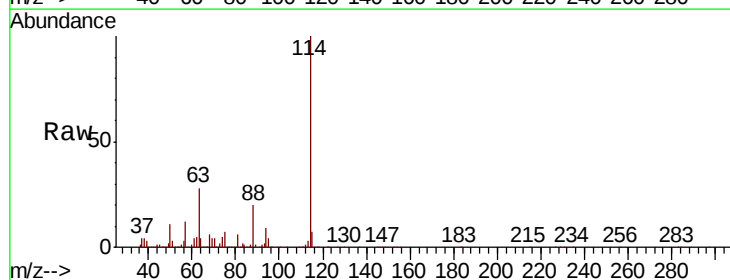
Instrument :
MSVOA_L
ClientSampleId :
NS-5

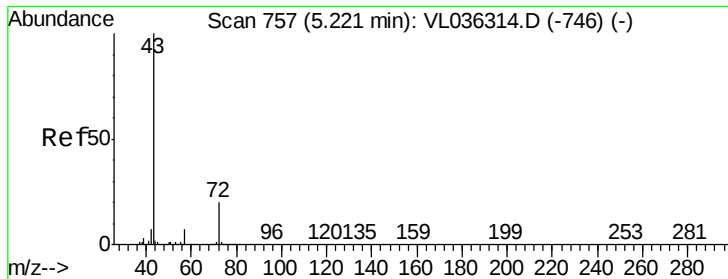
Tot Ion: 84 Resp: 40864
Ion Ratio Lower Upper
84 100
56 144.7 120.2 180.4
41 114.4 79.7 119.5



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

Tgt Ion:114 Resp: 3586217
Ion Ratio Lower Upper
114 100
63 29.1 24.1 36.1
88 19.5 16.0 24.0





#34

2-Butanone

Concen: 0.513 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

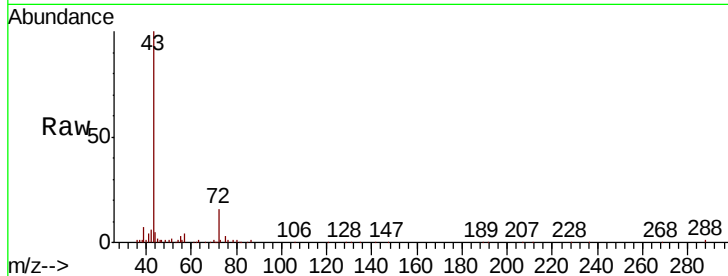
NS-5

Tot Ion: 43 Resp: 122294

Ion Ratio Lower Upper

43 100

72 24.1 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

5.25

80000

60000

40000

20000

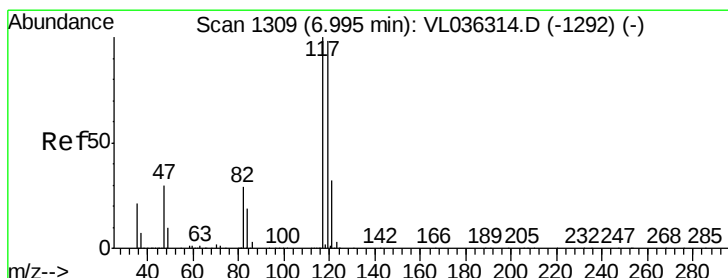
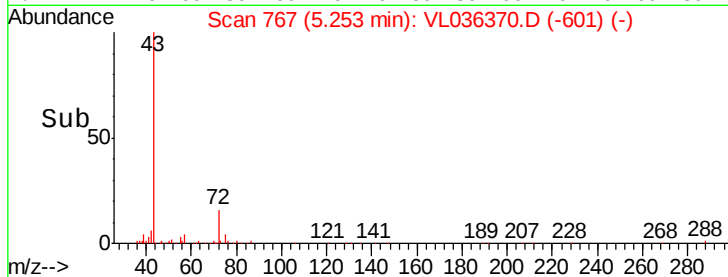
0

Time-->

5.20

5.25

5.30



#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

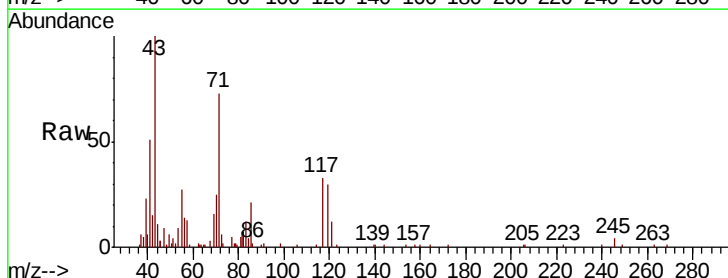
Tgt Ion: 117 Resp: 8333

Ion Ratio Lower Upper

117 100

119 80.2 78.1 117.1

121 35.5 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

10000

8000

6000

4000

2000

0

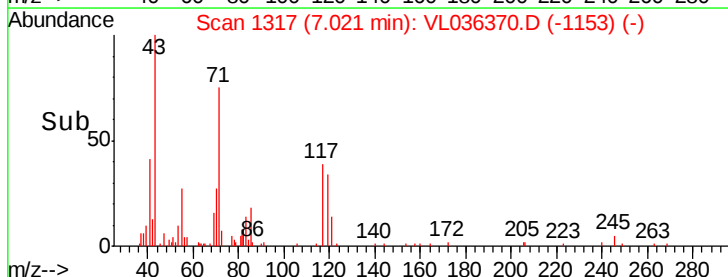
Time-->

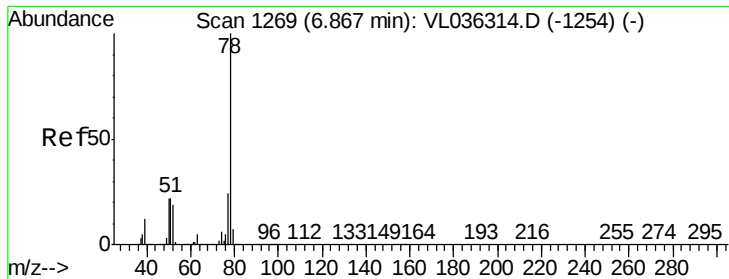
6.98

7.00

7.02

7.04





#36

Benzene

Concen: 0.596 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

NS-5

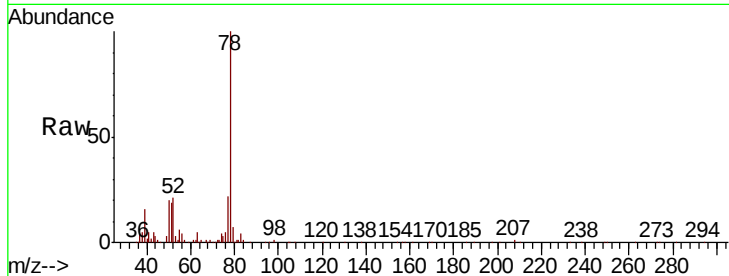
Tot Ion: 78 Resp: 181506

Ion Ratio Lower Upper

78 100

77 20.7 18.9 28.3

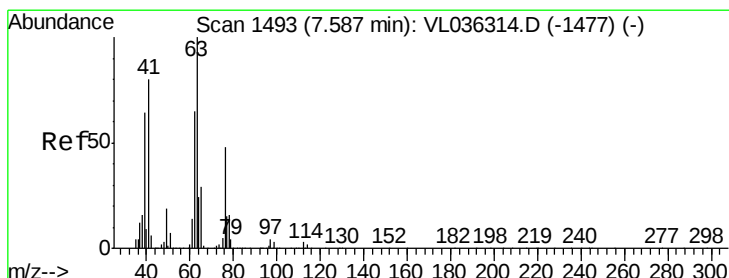
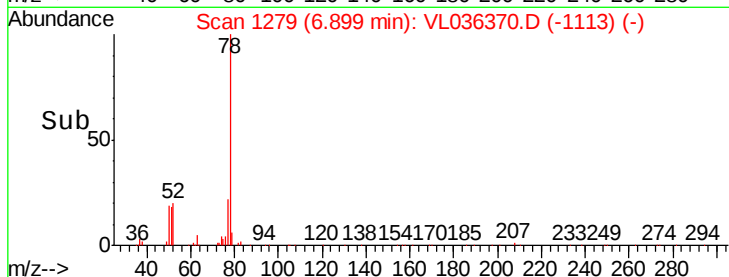
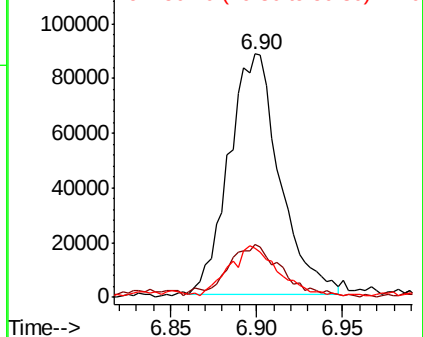
50 19.2 17.3 25.9



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: 8.172 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.40 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

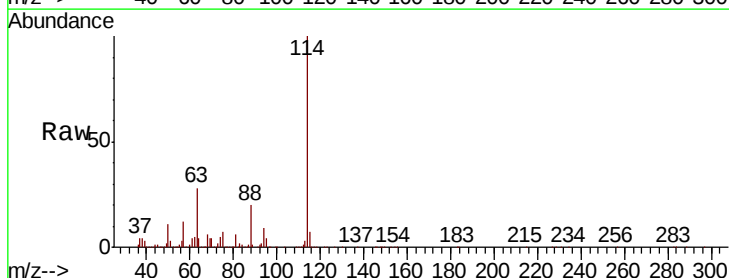
Tgt Ion: 63 Resp: 1011229

Ion Ratio Lower Upper

63 100

41 0.0 63.8 95.6#

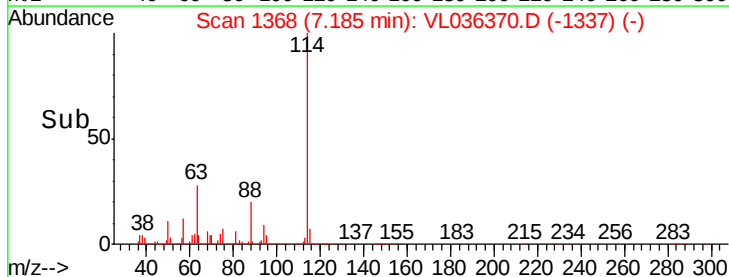
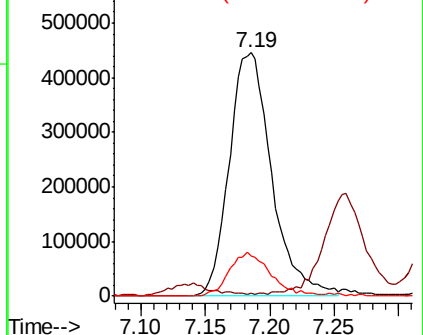
62 16.6 52.3 78.5#

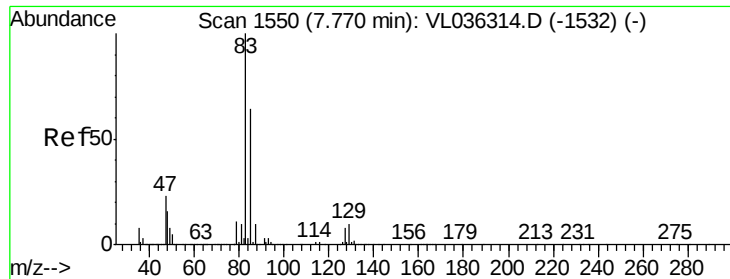


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.060 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.04 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

NS-5

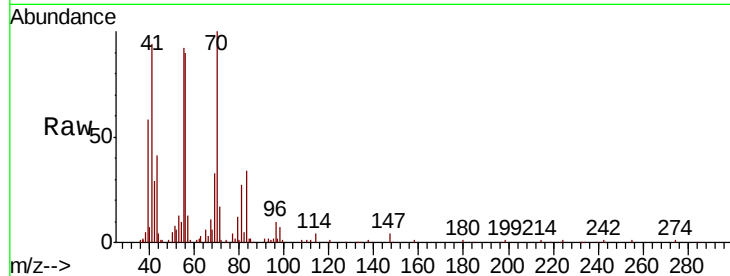
Tot Ion: 83 Resp: 15208

Ion Ratio Lower Upper

83 100

85 6.5 51.1 76.7#

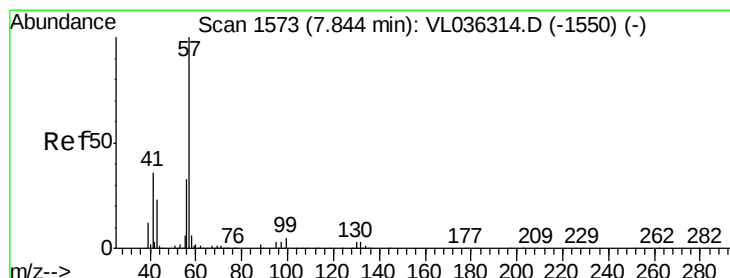
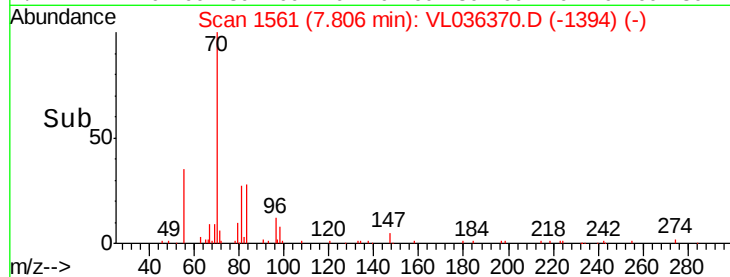
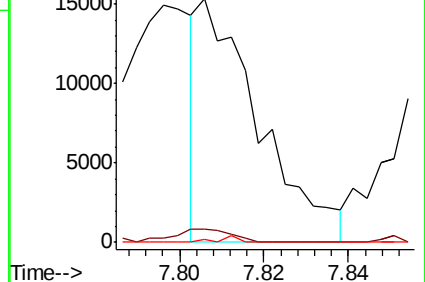
127 1.2 6.3 9.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 3.497 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

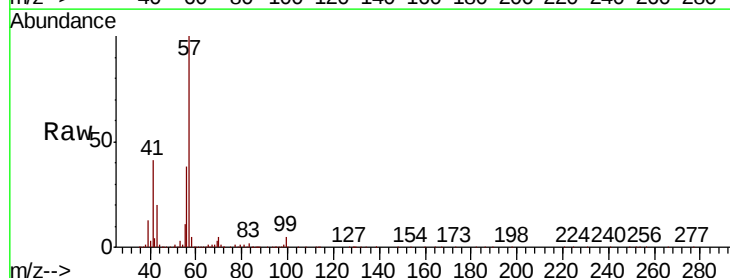
Tgt Ion: 57 Resp: 1936906

Ion Ratio Lower Upper

57 100

41 41.0 28.8 43.2

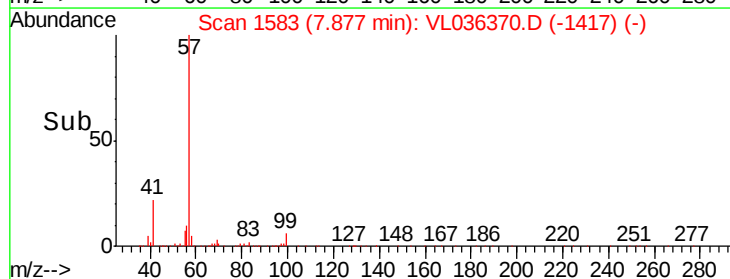
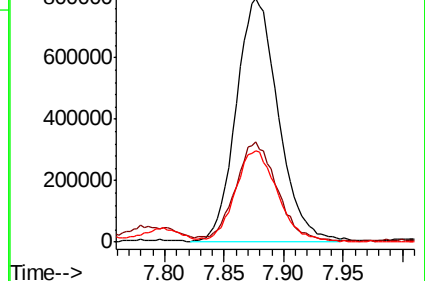
56 38.3 25.8 38.6

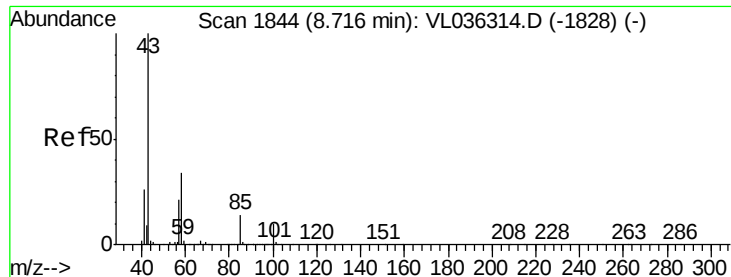


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

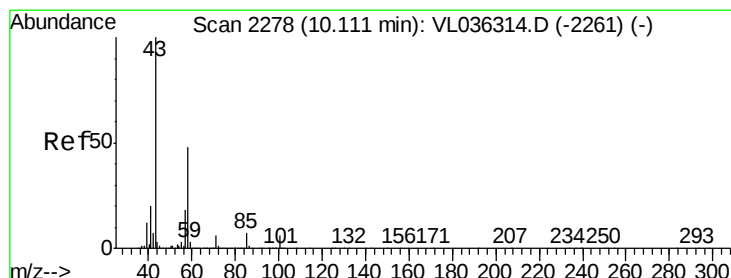
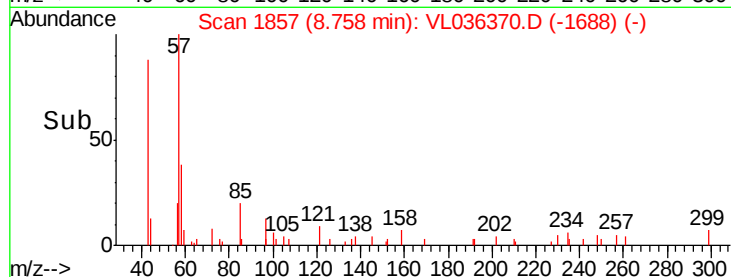
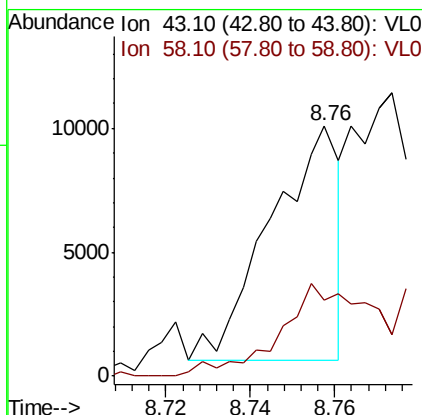
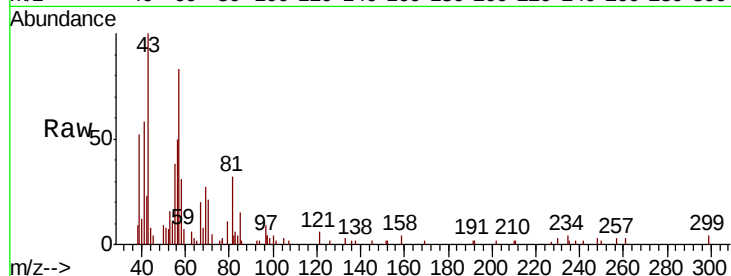




#50
 4-Methyl-2-Pentanone
 Concen: 0.030 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.04 min
 Lab File: VL036370.D
 Acq: 25 Feb 2021 4:08

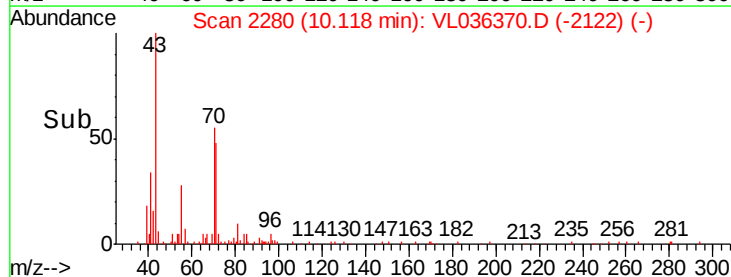
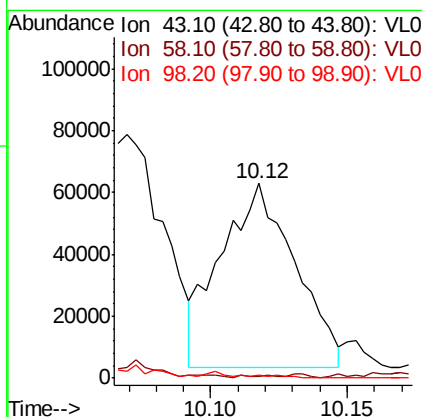
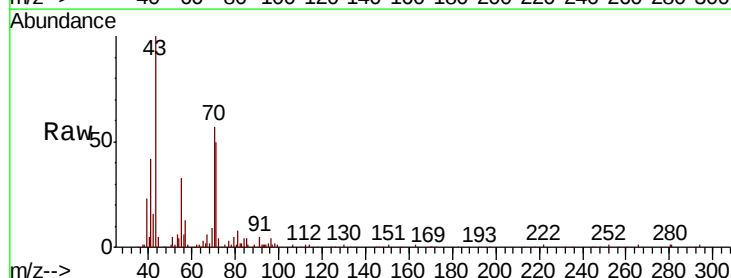
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-5

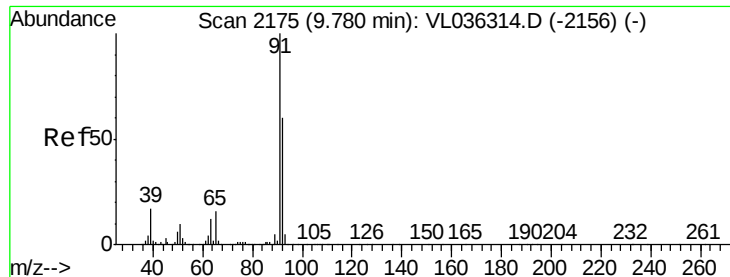
Tot Ion: 43 Resp: 10750
 Ion Ratio Lower Upper
 43 100
 58 83.8 27.8 41.6#



#51
 2-Hexanone
 Concen: 0.419 ppbv
 RT: 10.12 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: VL036370.D
 Acq: 25 Feb 2021 4:08

Tgt Ion: 43 Resp: 112579
 Ion Ratio Lower Upper
 43 100
 58 1.5 38.7 58.1#
 98 0.0 0.4 0.6#





#53

Toluene

Concen: 7.910 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.04 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

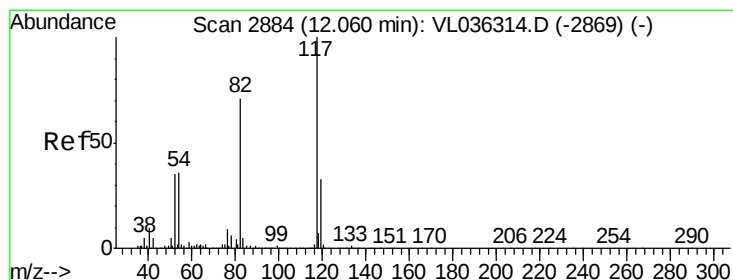
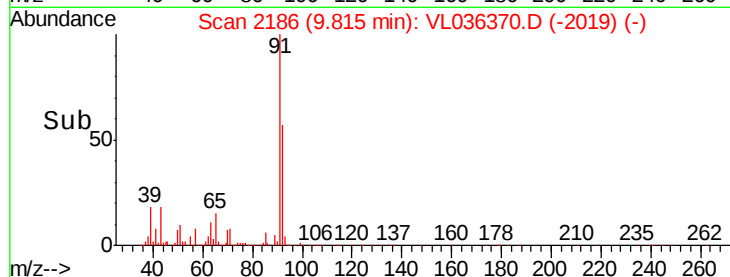
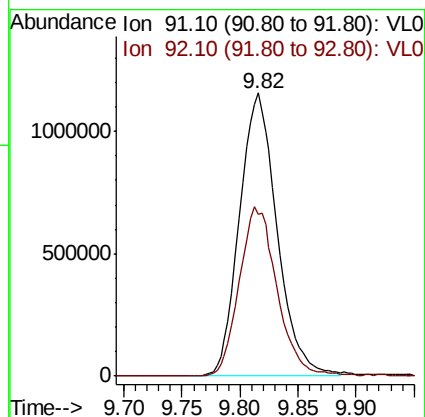
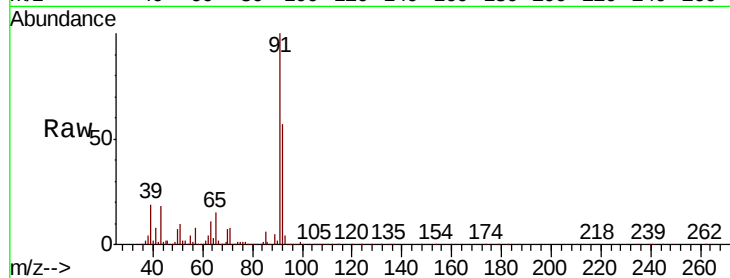
NS-5

Tot Ion: 91 Resp: 2609929

Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.04 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

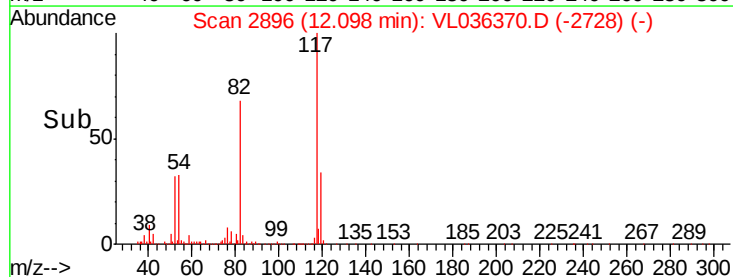
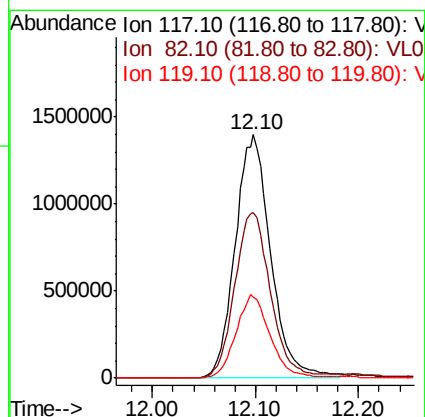
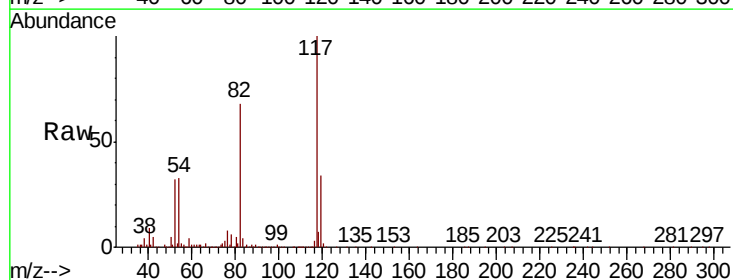
Tgt Ion: 117 Resp: 3345003

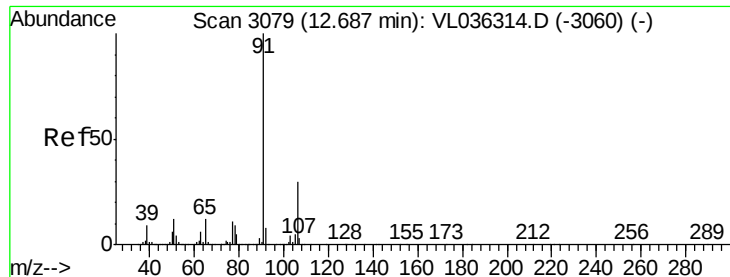
Ion Ratio Lower Upper

117 100

82 71.4 59.1 88.7

119 33.9 46.3 69.5#





#58

Ethyl Benzene

Concen: 1.501 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.04 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

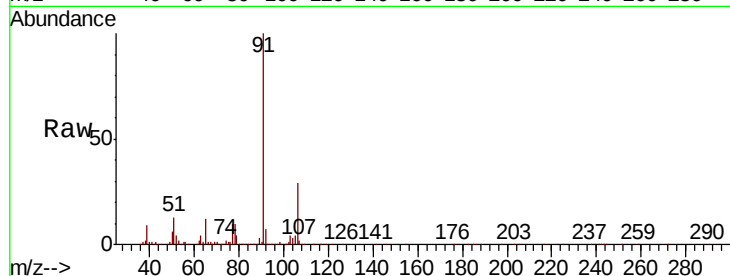
NS-5

Tot Ion: 91 Resp: 687645

Ion Ratio Lower Upper

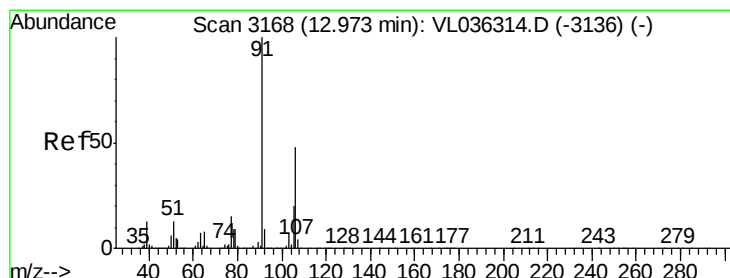
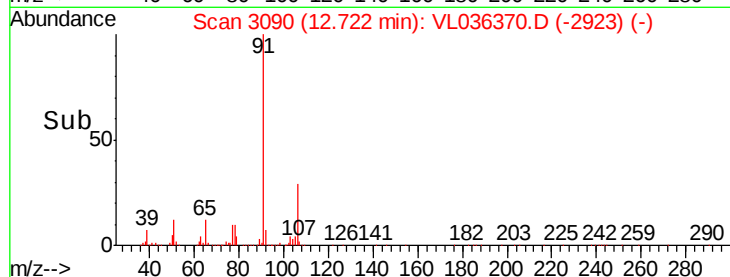
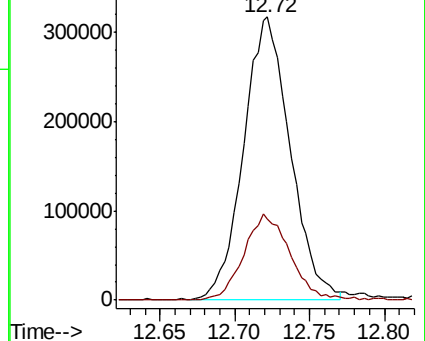
91 100

106 28.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 4.085 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VL036370.D

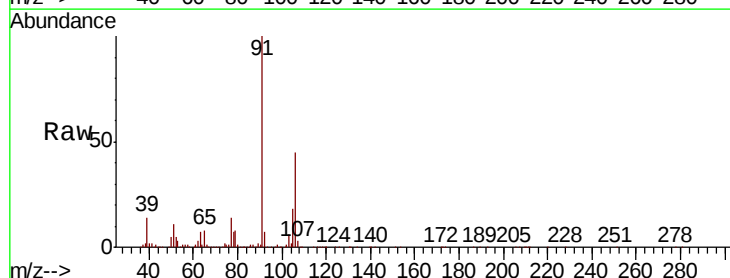
Acq: 25 Feb 2021 4:08

Tgt Ion: 91 Resp: 1643353

Ion Ratio Lower Upper

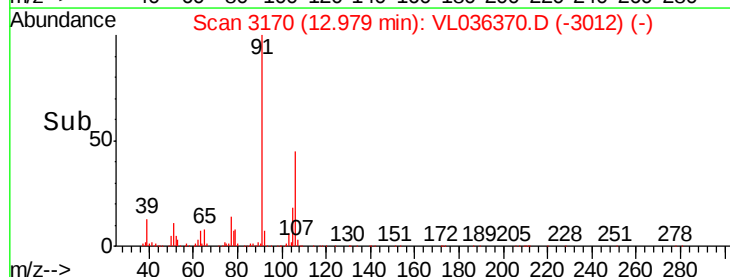
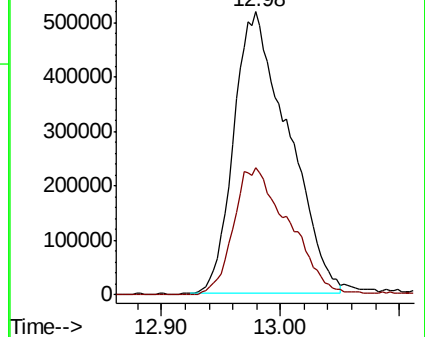
91 100

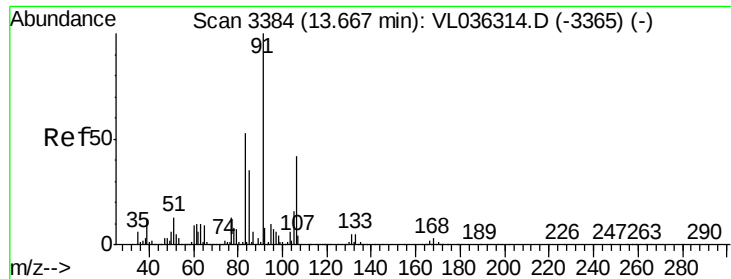
106 45.8 34.2 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

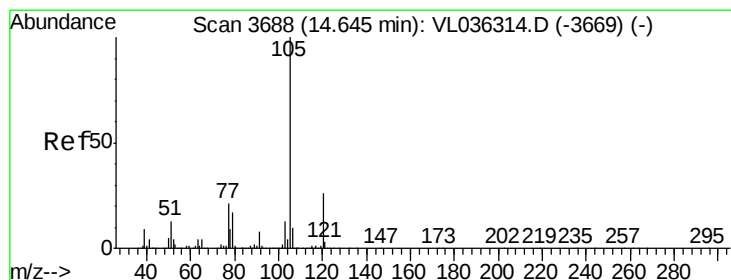
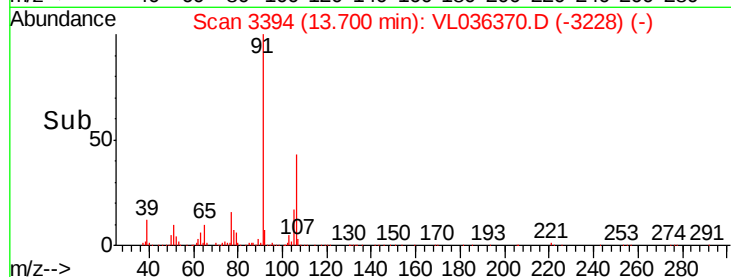
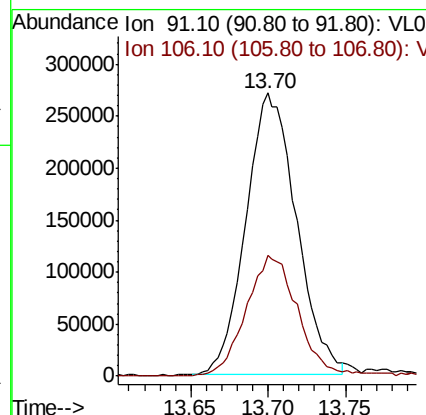
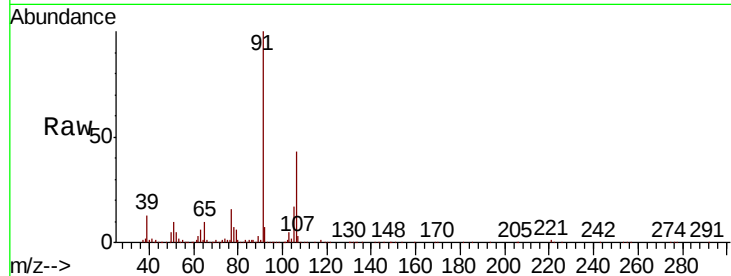




#60
o-Xylene
Concen: 1.604 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

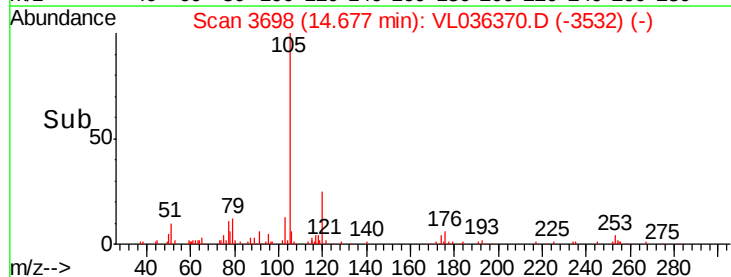
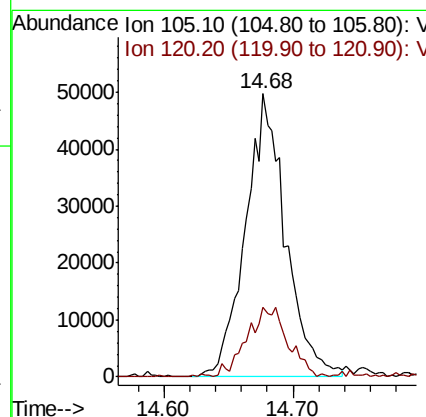
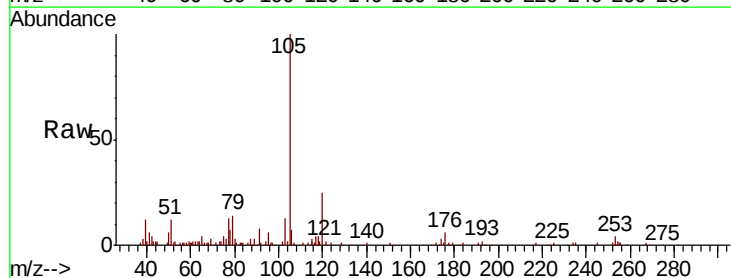
Instrument :
MSVOA_L
ClientSampleId :
NS-5

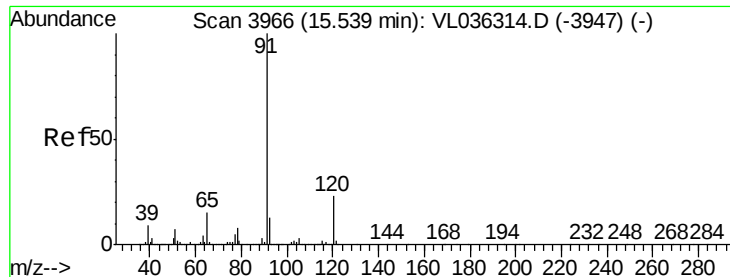
Tot Ion: 91 Resp: 617010
Ion Ratio Lower Upper
91 100
106 44.3 22.0 66.0



#62
Isopropylbenzene
Concen: 0.186 ppbv
RT: 14.68 min Scan# 3698
Delta R.T. 0.03 min
Lab File: VL036370.D
Acq: 25 Feb 2021 4:08

Tgt Ion: 105 Resp: 107320
Ion Ratio Lower Upper
105 100
120 25.8 20.6 30.8





#64

n-propylbenzene

Concen: 0.224 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.05 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

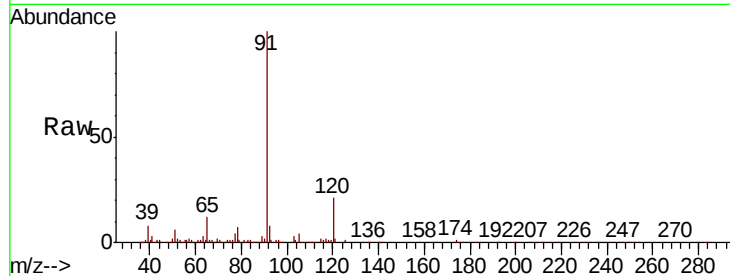
NS-5

Tot Ion:120 Resp: 31841

Ion Ratio Lower Upper

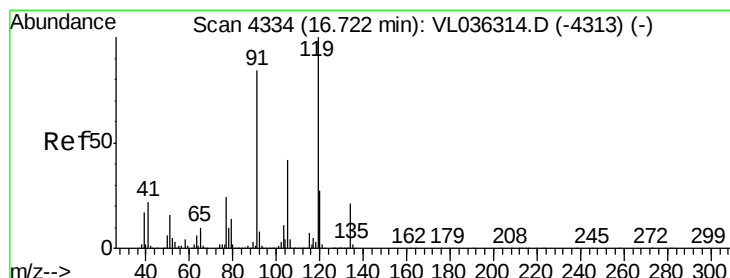
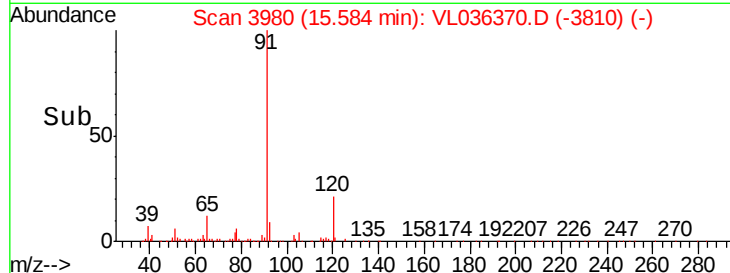
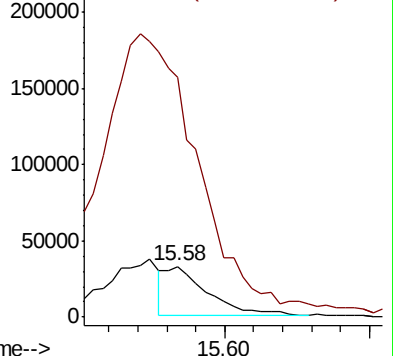
120 100

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: 0.092 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.05 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

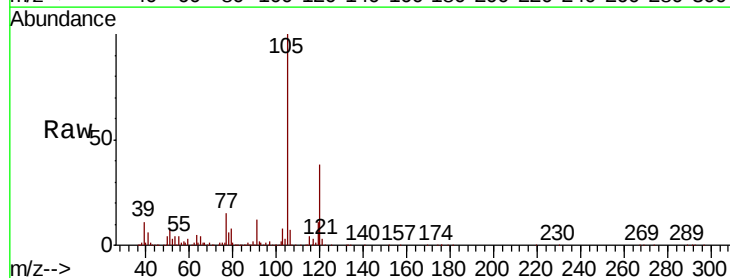
Tgt Ion:119 Resp: 45317

Ion Ratio Lower Upper

119 100

91 221.1 70.5 105.7#

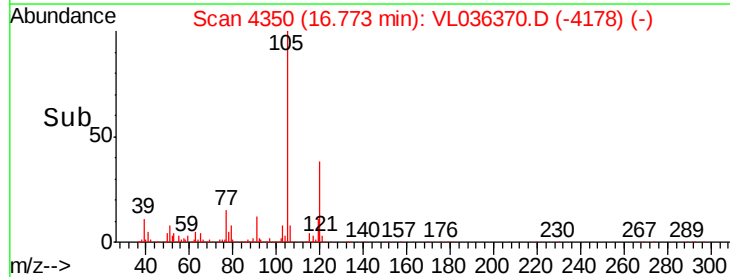
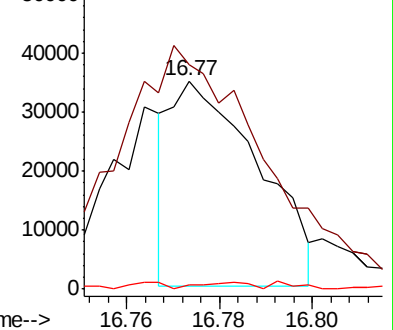
134 0.0 15.8 23.8#

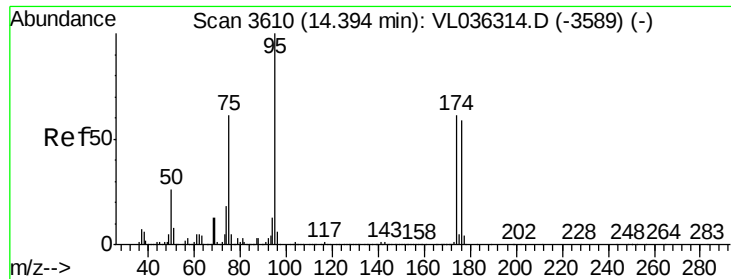


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

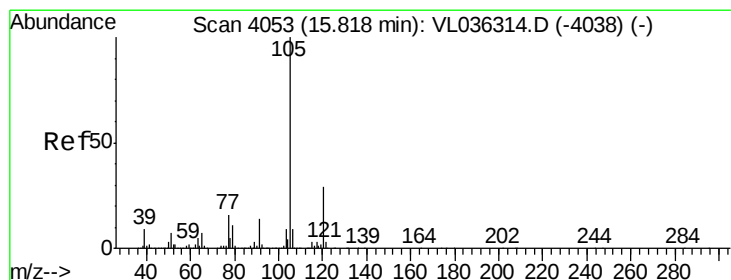
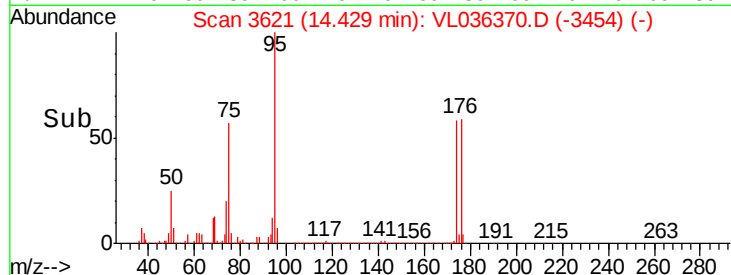
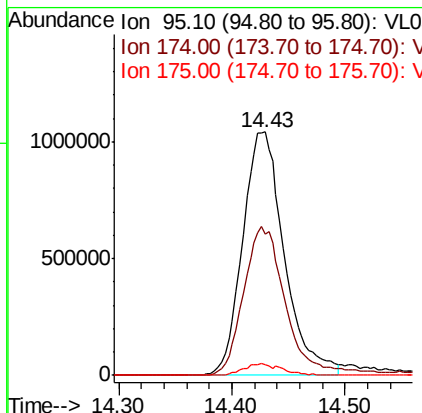
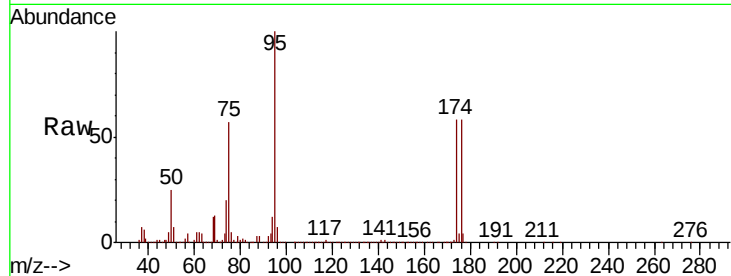




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.704 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL036370.D
 Acq: 25 Feb 2021 4:08

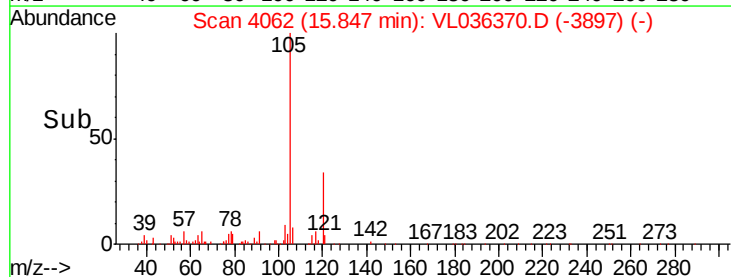
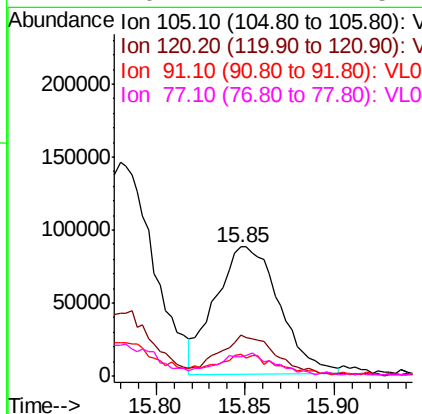
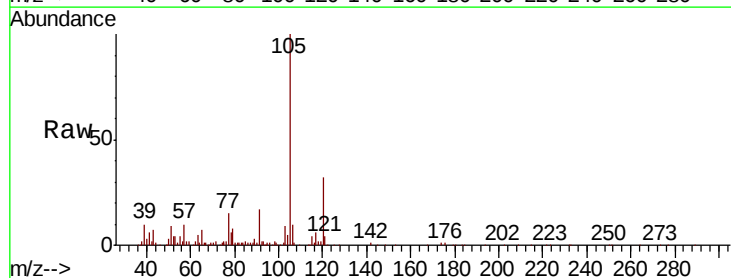
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-5

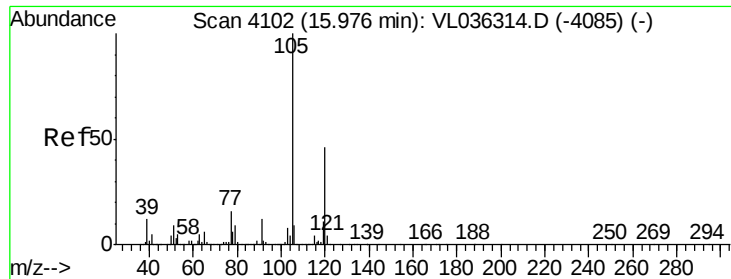
Tot Ion: 95 Resp: 2670691
 Ion Ratio Lower Upper
 95 100
 174 63.9 49.8 74.6
 175 4.8 3.7 5.5



#72
 4-Ethyltoluene
 Concen: 0.509 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.03 min
 Lab File: VL036370.D
 Acq: 25 Feb 2021 4:08

Tgt Ion: 105 Resp: 217836
 Ion Ratio Lower Upper
 105 100
 120 30.4 23.2 34.8
 91 16.5 11.0 16.4#
 77 16.1 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.141 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.04 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Instrument :

MSVOA_L

ClientSampled :

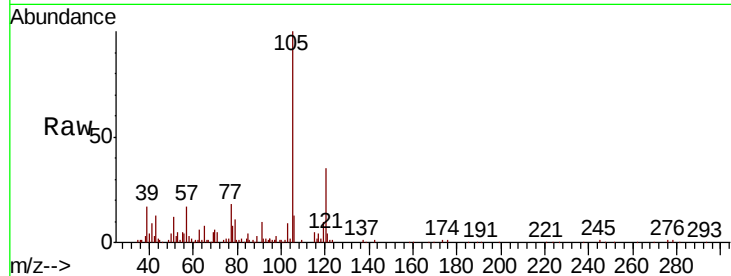
NS-5

Tot Ion:105 Resp: 58563

Ion Ratio Lower Upper

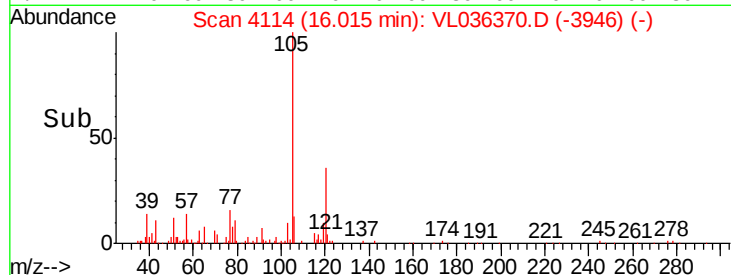
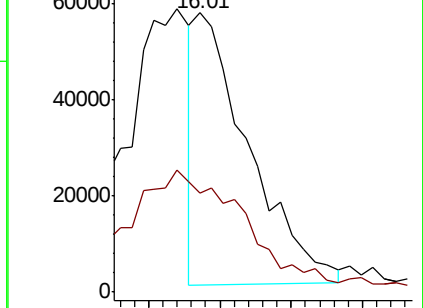
105 100

120 34.6 36.9 55.3#

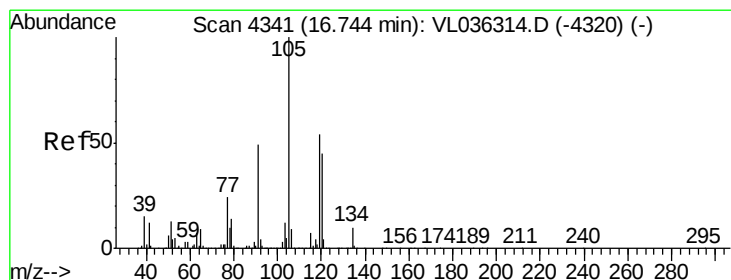


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 1.732 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL036370.D

Acq: 25 Feb 2021 4:08

Tgt Ion:105 Resp: 733931

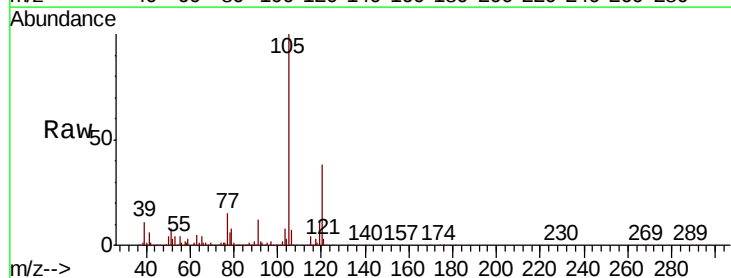
Ion Ratio Lower Upper

105 100

120 37.7 35.8 53.6

91 11.7 39.8 59.6#

77 14.7 19.1 28.7#

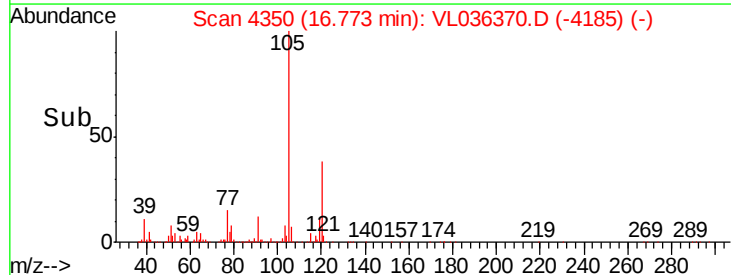
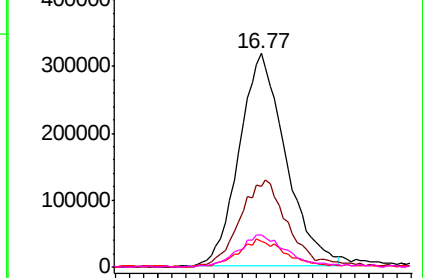


Abundance Ion 105.10 (104.80 to 105.80): V

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



Time-->