

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036361.D
 Acq On : 24 Feb 2021 22:02
 Operator : SY/AP
 Sample : M1463-07
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1

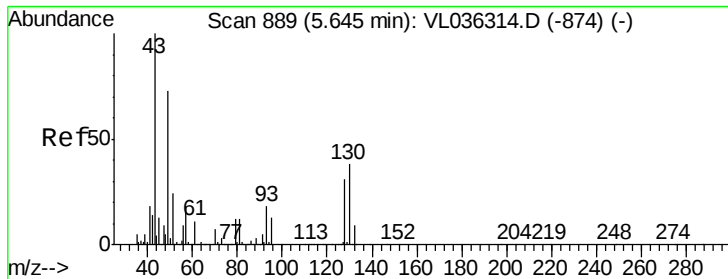
Quant Time: Feb 25 05:20:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1721966	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3865099	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3577542	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2918799	9.92	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	52442	0.204	ppbv 89
3) Chlorodifluoromethane	2.99	51	82220	0.384	ppbv # 90
4) Chloromethane	3.15	50	58806	0.569	ppbv 95
7) Chloroethane	3.56	64	3875	0.113	ppbv # 72
9) Propene	3.21	41	414778	5.200	ppbv 92
10) Heptane	8.14	43	256358	1.090	ppbv 100
11) Trichlorofluoromethane	3.96	101	51351	0.204	ppbv 85
13) Ethanol	3.64	45	5742961	383.292	ppbv 89
15) Acetone	3.86	43	6728167	31.965	ppbv 100
16) 1,3-Butadiene	3.31	39	85036	0.845	ppbv # 34
17) tert-Butyl alcohol	4.33	59	55798	0.341	ppbv # 71
19) Isopropyl Alcohol	4.00	45	4925465	42.237	ppbv # 98
20) Methylene Chloride	4.36	84	3690844	54.350	ppbv 94
21) Allyl Chloride	4.35	41	70842	0.604	ppbv # 40
23) Vinyl Acetate	5.07	43	177975	0.719	ppbv # 16
25) Ethyl Acetate	5.70	43	956196	2.353	ppbv # 81
26) Hexane	5.70	57	1210240	7.249	ppbv # 41
27) Carbon Disulfide	4.56	76	142007	0.925	ppbv 94
28) Methyl tert-Butyl Ether	5.05	73	34107	0.156	ppbv # 62
29) Chloroform	5.77	83	3397335	12.630	ppbv 99
30) Cyclohexane	7.15	84	43321	0.312	ppbv # 83
34) 2-Butanone	5.27	43	162752	0.634	ppbv 96
35) Carbon Tetrachloride	7.03	117	19821	0.077	ppbv # 70
36) Benzene	6.91	78	147428	0.449	ppbv 94
39) 1,2-Dichloropropane	7.19	63	1099690	8.245	ppbv # 24
41) Tetrahydrofuran	6.34	42	56066	0.391	ppbv # 39
44) 2,2,4-Trimethylpentane	7.89	57	1532459	2.567	ppbv 91
51) 2-Hexanone	10.14	43	18297	0.063	ppbv # 44
53) Toluene	9.82	91	2287768	6.433	ppbv 100
58) Ethyl Benzene	12.73	91	555588	1.134	ppbv 92
59) m/p-Xylene	12.99	91	1463072	3.400	ppbv 96
60) o-Xylene	13.71	91	532974	1.295	ppbv 99
62) Isopropylbenzene	14.69	105	53236	0.086	ppbv 99
65) tert-Butylbenzene	16.78	119	43034	0.082	ppbv # 21
72) 4-Ethyltoluene	15.86	105	162935	0.356	ppbv 95
73) 1,3,5-Trimethylbenzene	16.03	105	36755	0.083	ppbv 91
74) 1,2,4-Trimethylbenzene	16.79	105	281736	0.622	ppbv # 71

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.04 min

Lab File: VL036361.D

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NS-1

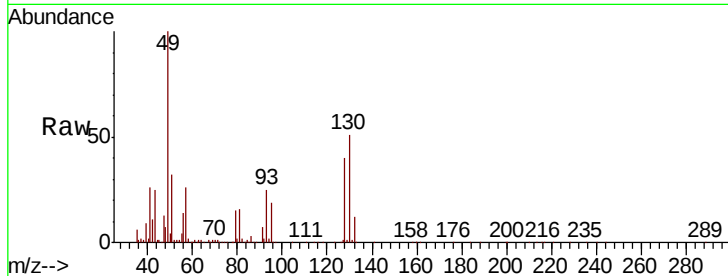
Tot Ion: 49 Resp: 1721966

Ion Ratio Lower Upper

49 100

128 42.7 20.8 62.5

130 54.4 26.7 80.1



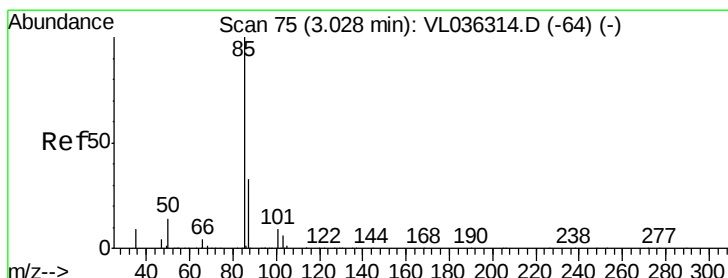
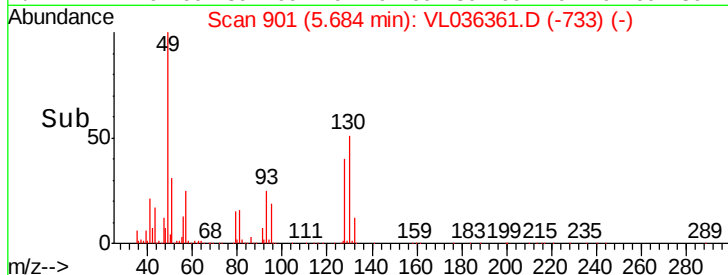
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 0.204 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.03 min

Lab File: VL036361.D

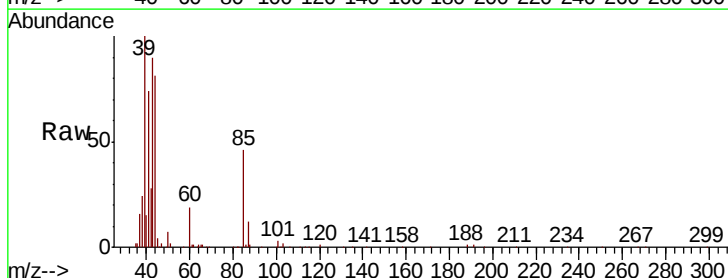
Acq: 24 Feb 2021 22:02

Tgt Ion: 85 Resp: 52442

Ion Ratio Lower Upper

85 100

87 26.7 26.5 39.7

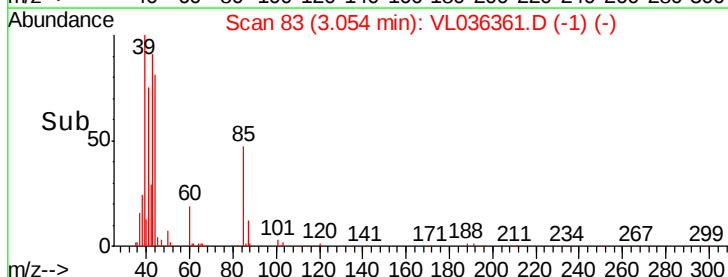


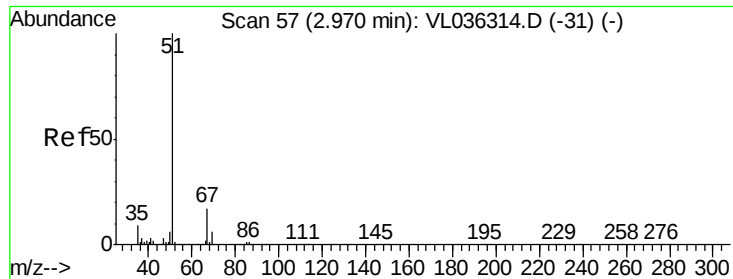
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->

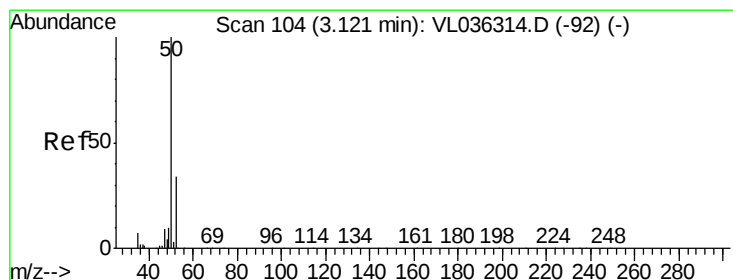
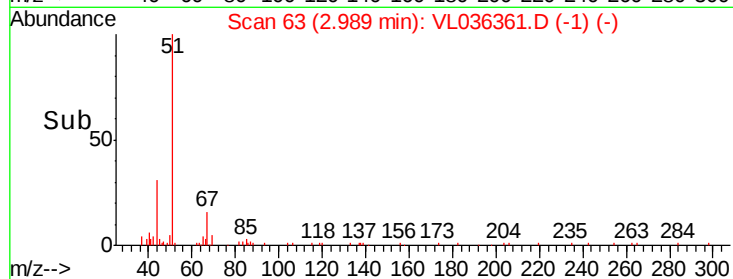
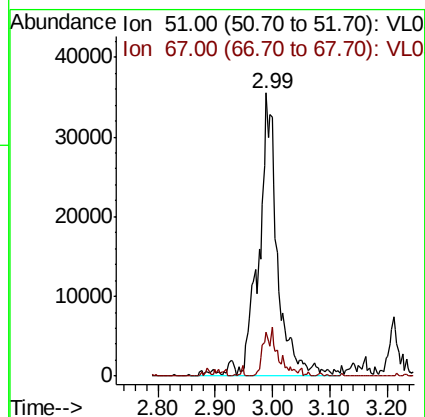
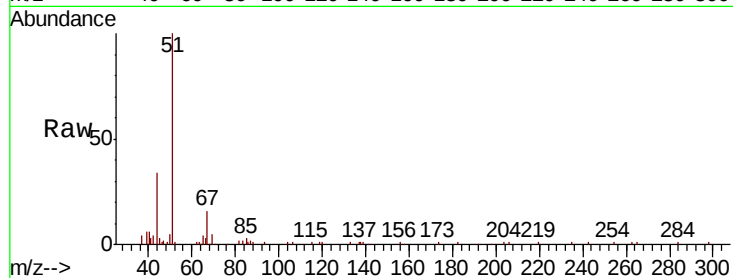




#3
Chlorodifluoromethane
Concen: 0.384 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.02 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

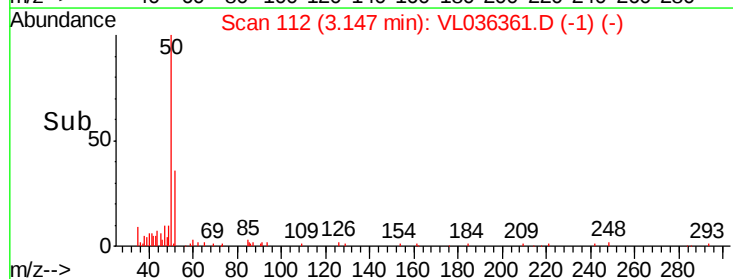
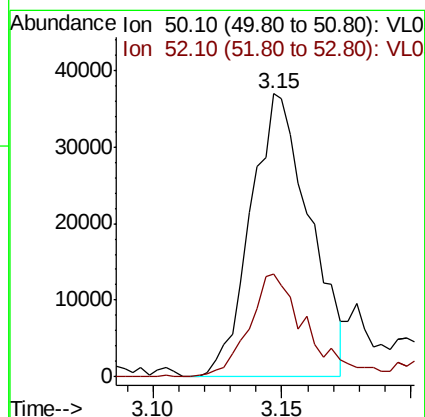
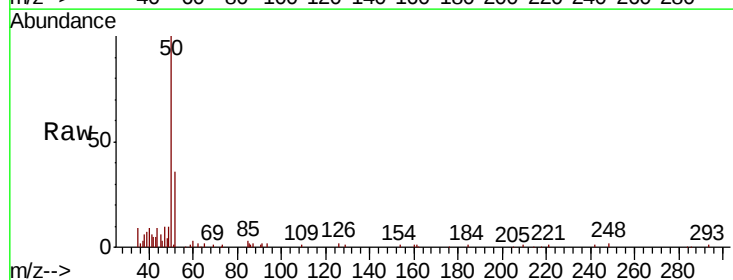
Instrument :
MSVOA_L
ClientSampleId :
NS-1

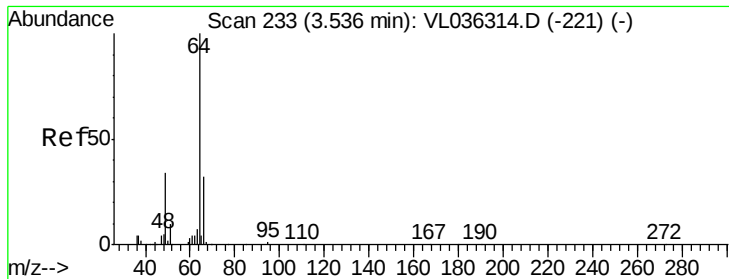
Tot Ion: 51 Resp: 82220
Ion Ratio Lower Upper
51 100
67 13.8 14.7 22.1#



#4
Chloromethane
Concen: 0.569 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.03 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

Tgt Ion: 50 Resp: 58806
Ion Ratio Lower Upper
50 100
52 36.4 27.0 40.4





#7

Chloroethane

Concen: 0.113 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.03 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

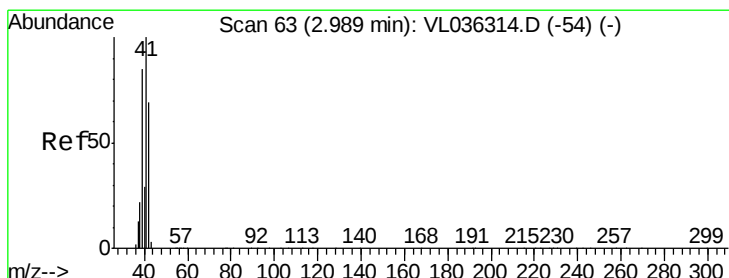
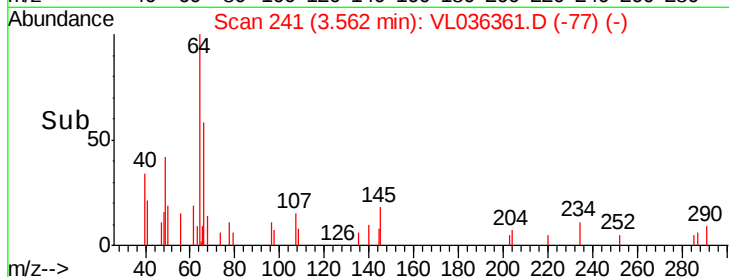
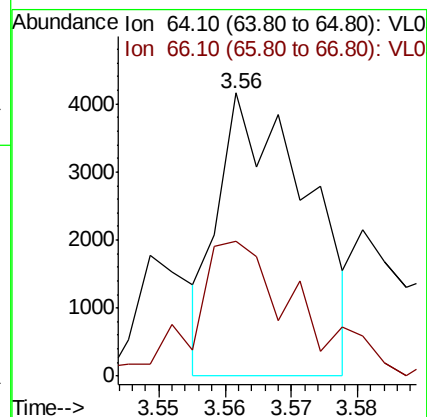
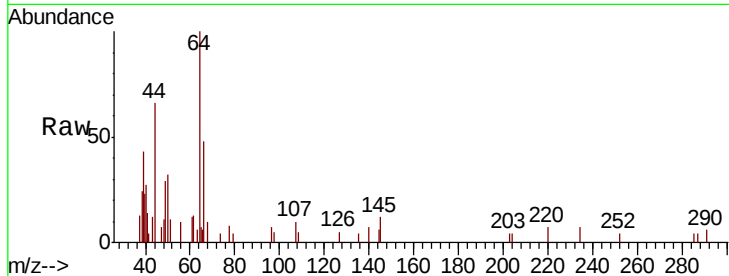
NS-1

Tot Ion: 64 Resp: 3875

Ion Ratio Lower Upper

64 100

66 47.7 25.6 38.4#



#9

Propene

Concen: 5.200 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.22 min

Lab File: VL036361.D

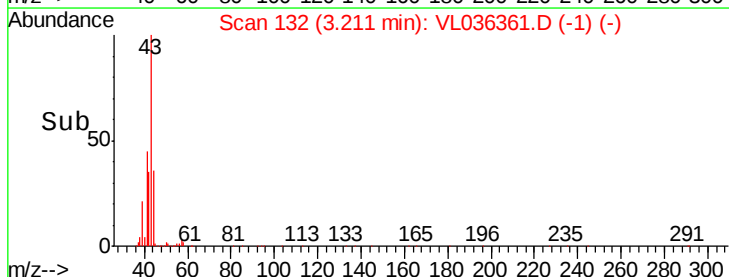
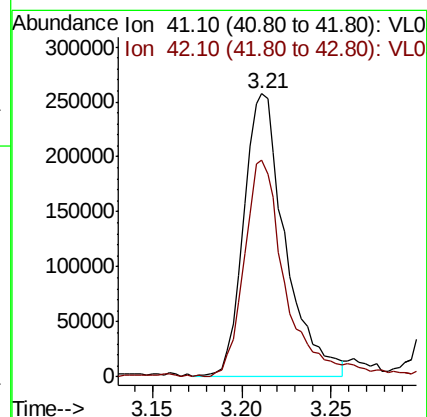
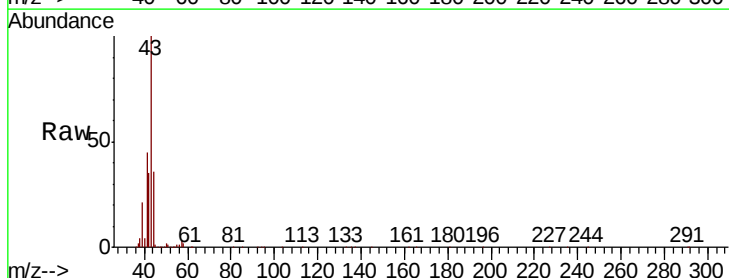
Acq: 24 Feb 2021 22:02

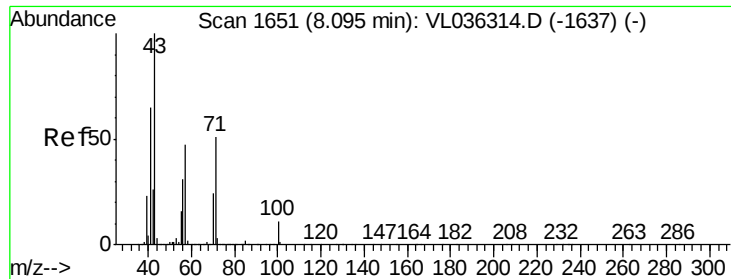
Tgt Ion: 41 Resp: 414778

Ion Ratio Lower Upper

41 100

42 76.8 56.2 84.2





#10

Heptane

Concen: 1.090 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.05 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

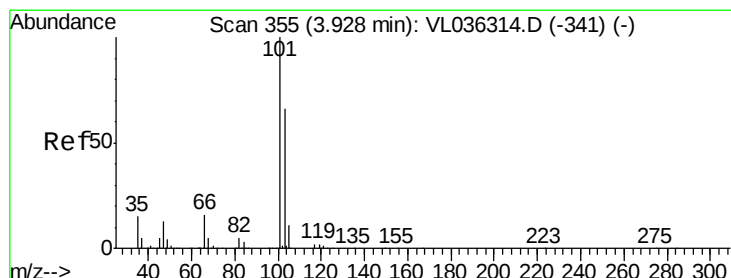
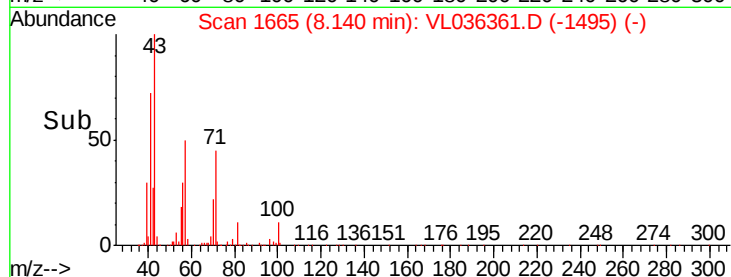
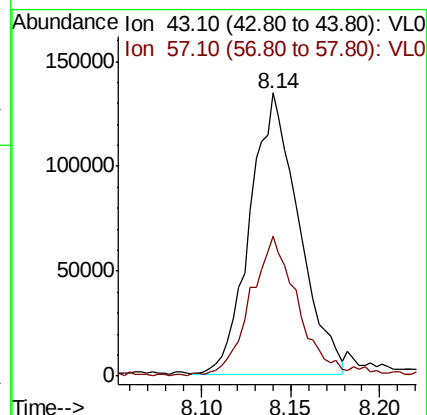
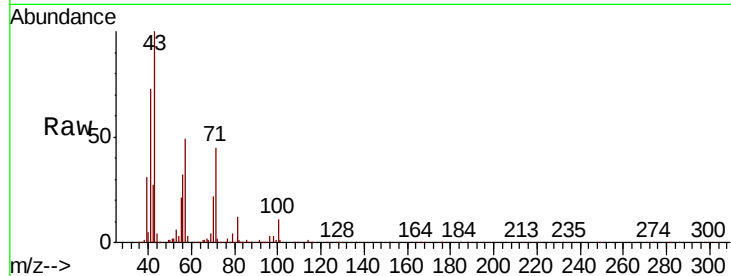
NS-1

Tot Ion: 43 Resp: 256358

Ion Ratio Lower Upper

43 100

57 49.3 39.4 59.2



#11

Trichlorofluoromethane

Concen: 0.204 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.04 min

Lab File: VL036361.D

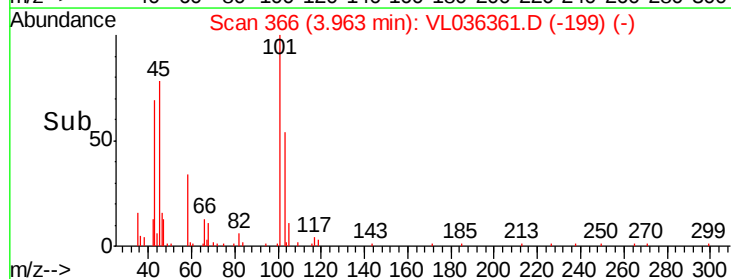
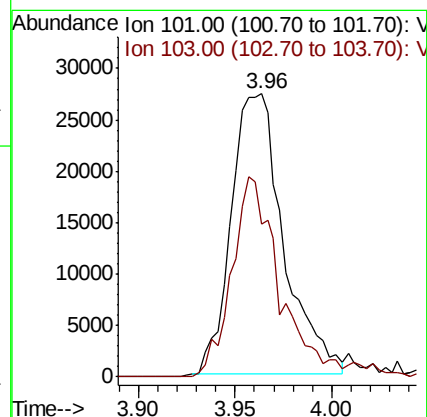
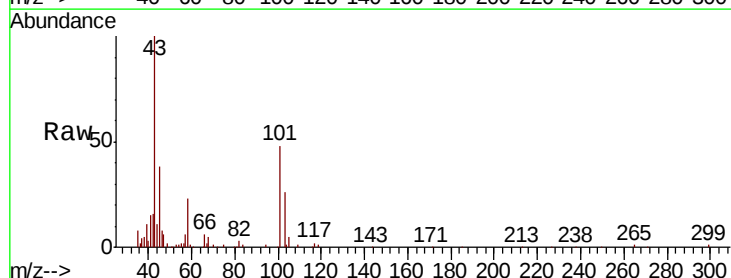
Acq: 24 Feb 2021 22:02

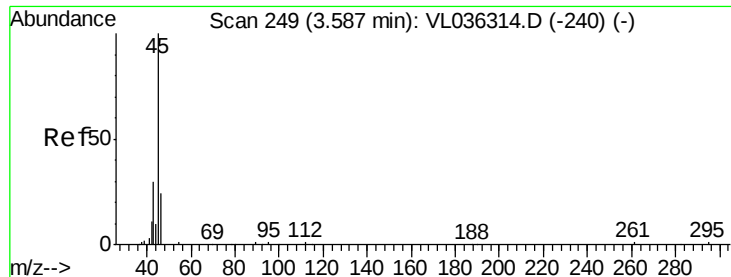
Tgt Ion: 101 Resp: 51351

Ion Ratio Lower Upper

101 100

103 54.3 52.9 79.3





#13

Ethanol

Concen: 383.292 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.05 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

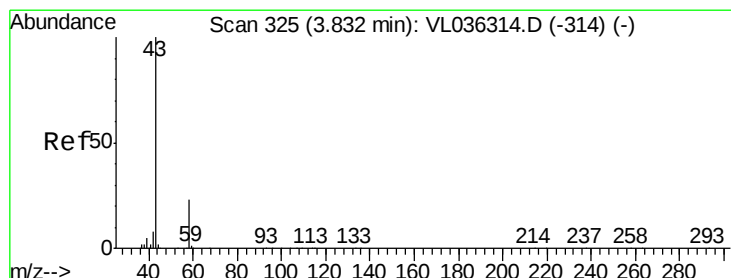
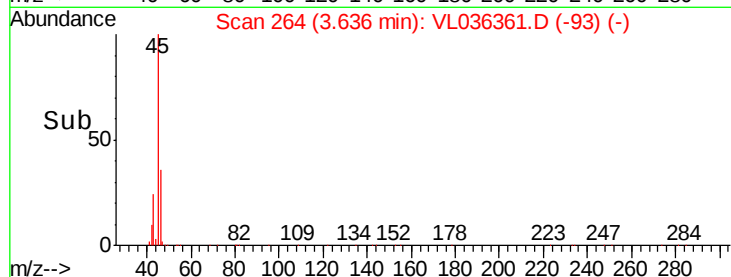
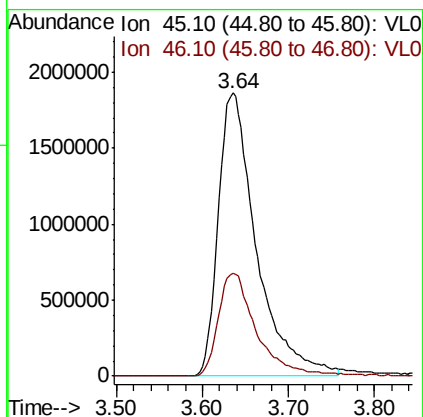
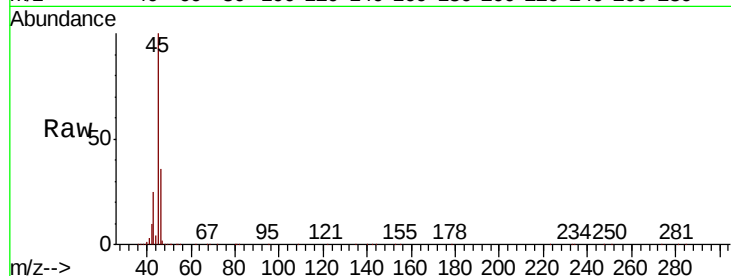
NS-1

Tot Ion: 45 Resp: 5742961

Ion Ratio Lower Upper

45 100

46 37.0 17.7 70.7



#15

Acetone

Concen: 31.965 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.03 min

Lab File: VL036361.D

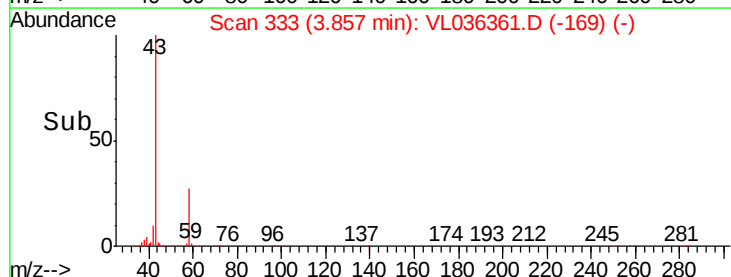
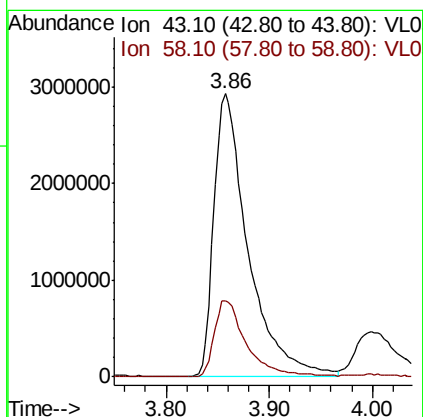
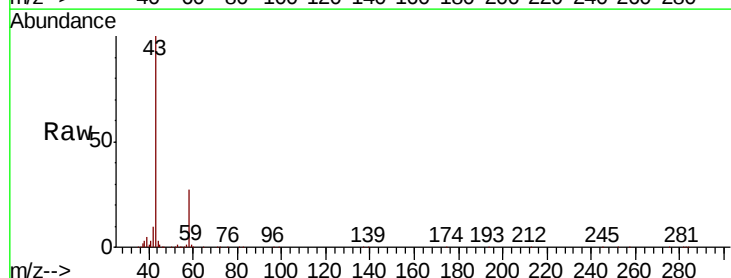
Acq: 24 Feb 2021 22:02

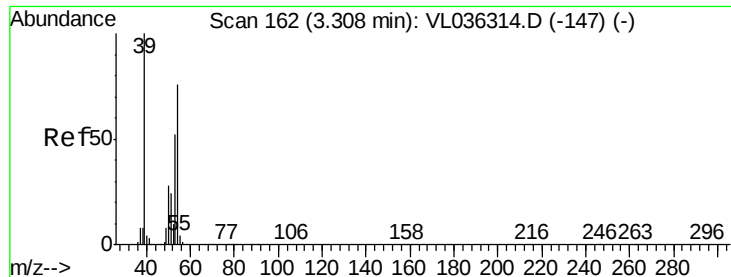
Tgt Ion: 43 Resp: 6728167

Ion Ratio Lower Upper

43 100

58 25.6 20.3 30.5

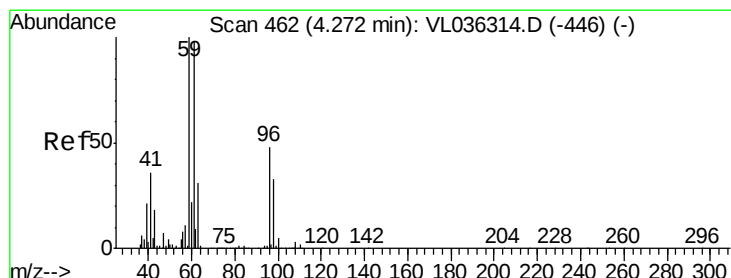
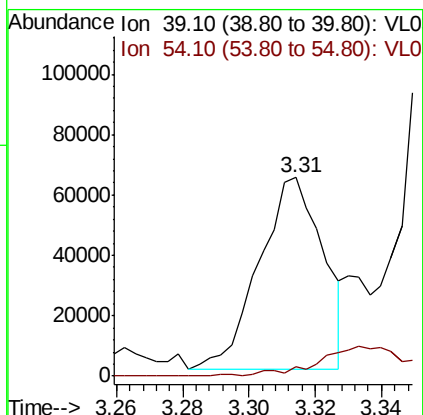
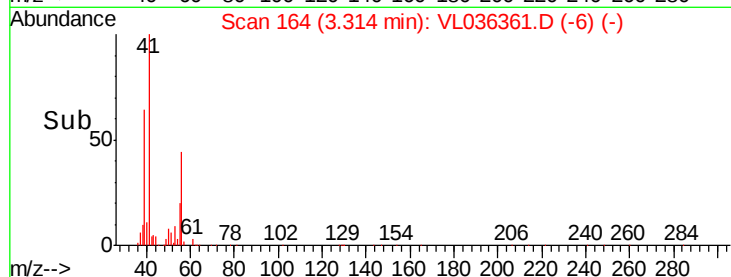
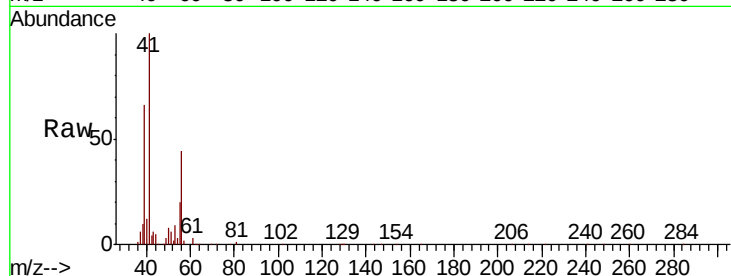




#16
1,3-Butadiene
Concen: 0.845 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

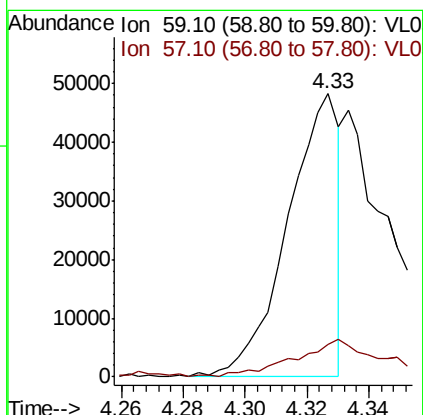
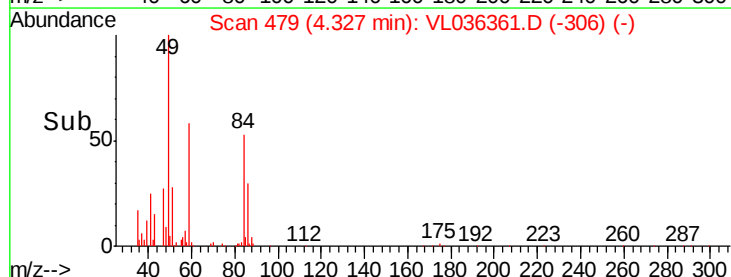
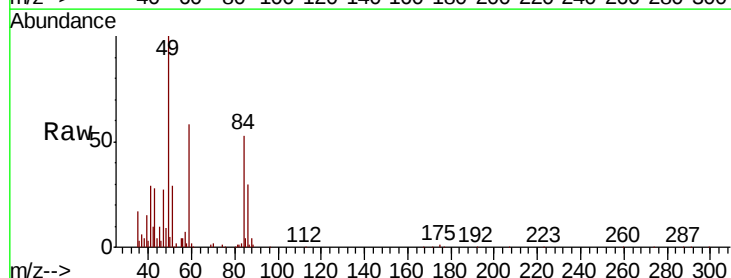
Instrument :
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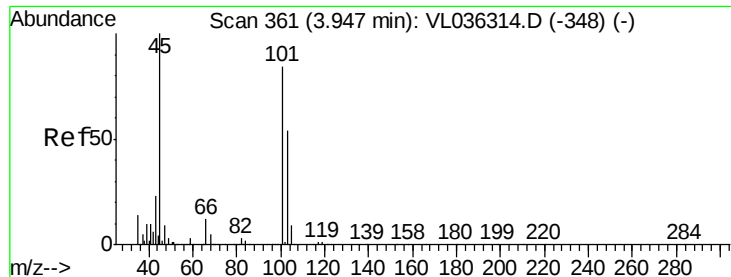
Tot Ion: 39 Resp: 85036
Ion Ratio Lower Upper
39 100
54 21.8 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 0.341 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.05 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

Tgt Ion: 59 Resp: 55798
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



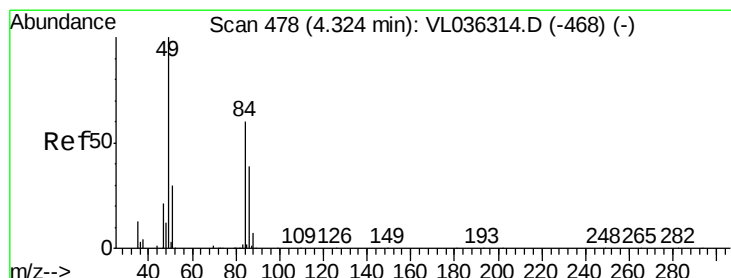
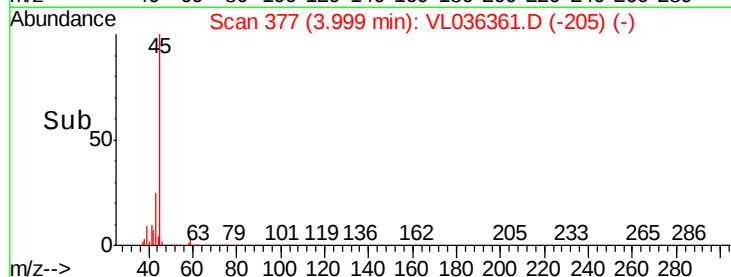
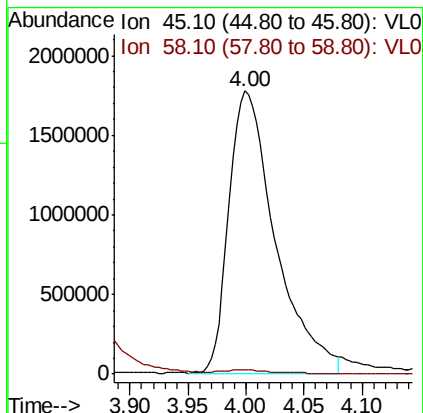
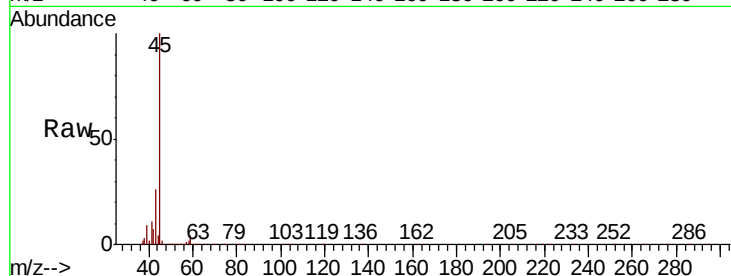


#19

Isopropyl Alcohol
 Concen: 42.237 ppbv
 RT: 4.00 min Scan# 377
 Delta R.T. 0.05 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1

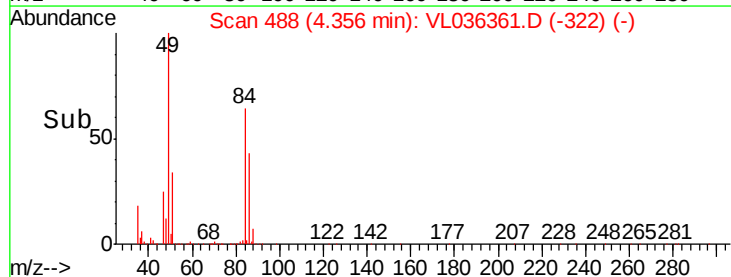
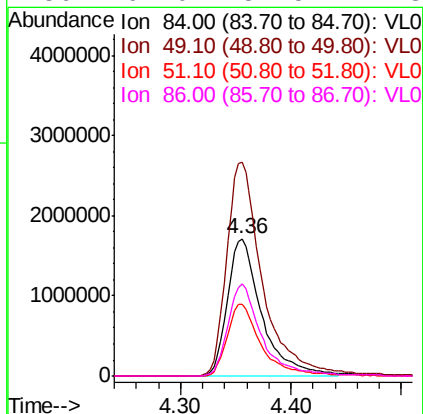
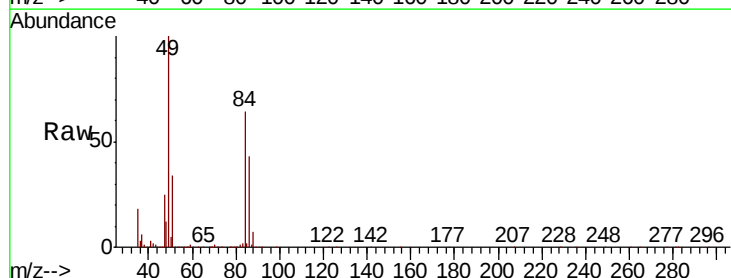
Tot Ion: 45 Resp: 4925465
 Ion Ratio Lower Upper
 45 100
 58 1.9 1.9 2.9#

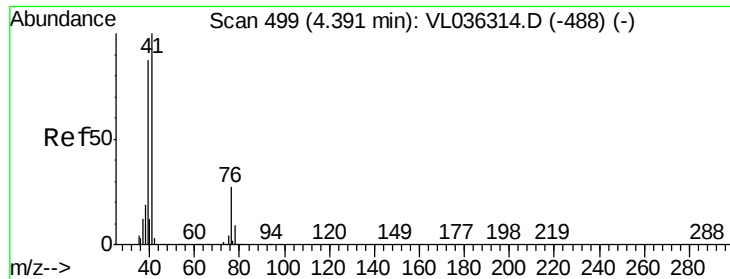


#20

Methylene Chloride
 Concen: 54.350 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

Tgt Ion: 84 Resp: 3690844
 Ion Ratio Lower Upper
 84 100
 49 155.6 133.8 200.8
 51 52.6 41.4 62.0
 86 67.0 51.5 77.3

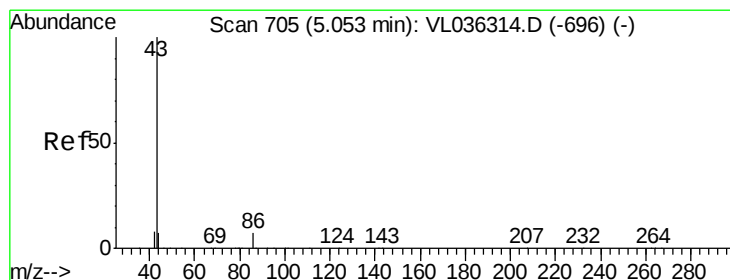
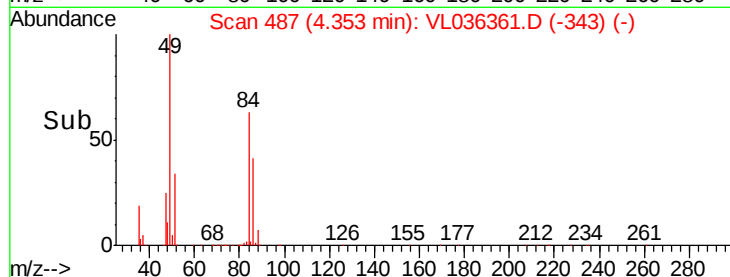
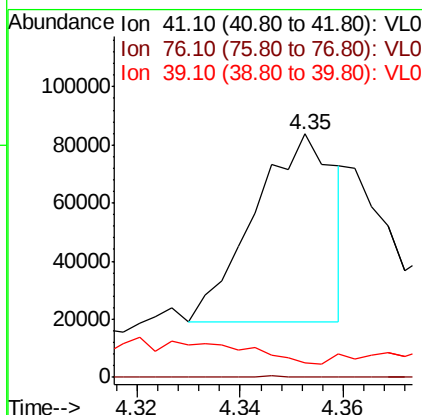
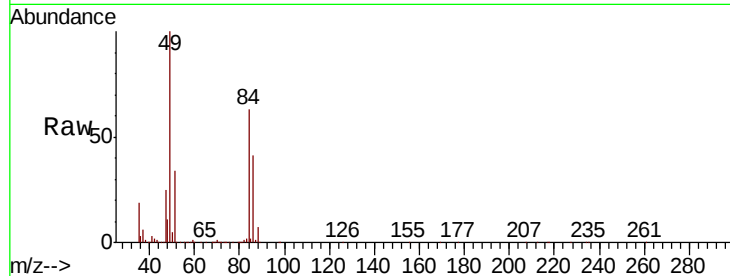




#21
Allvl Chloride
Concen: 0.604 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.04 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

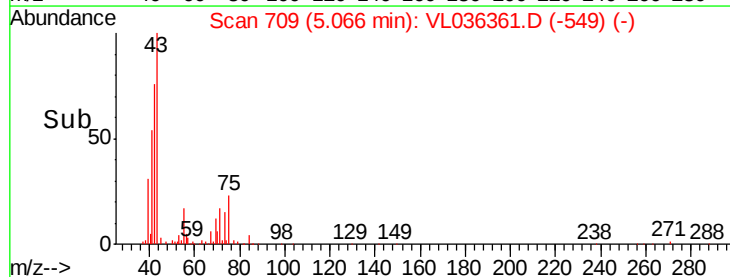
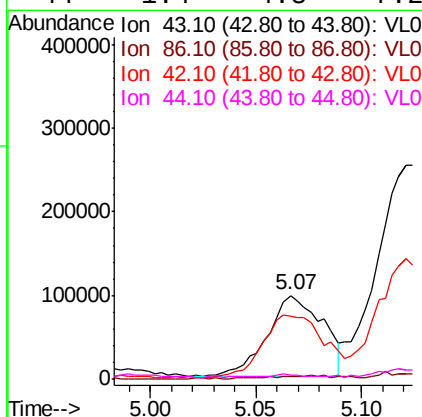
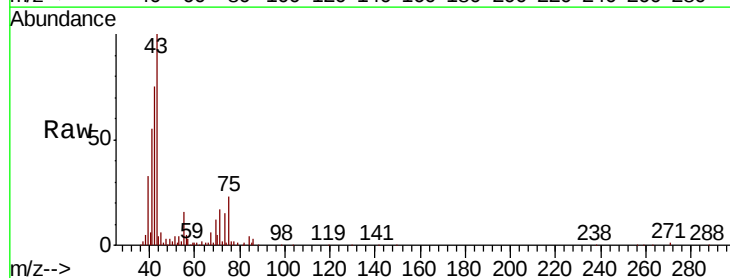
Instrument :
MSVOA_L
ClientSampleId :
NS-1

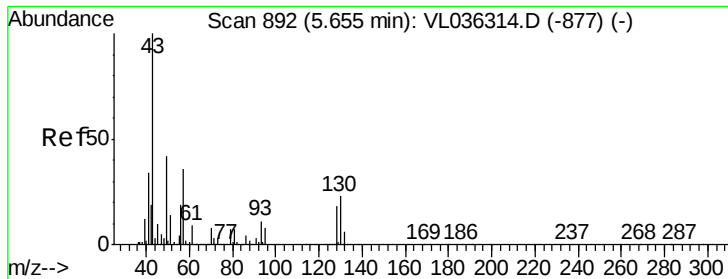
Tot Ion: 41 Resp: 70842
Ion Ratio Lower Upper
41 100
76 0.0 22.0 33.0#
39 30.3 70.2 105.2#



#23
Vinyl Acetate
Concen: 0.719 ppbv
RT: 5.07 min Scan# 709
Delta R.T. 0.01 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

Tgt Ion: 43 Resp: 177975
Ion Ratio Lower Upper
43 100
86 3.3 4.8 7.2#
42 74.7 7.4 11.0#
44 1.4 4.8 7.2#

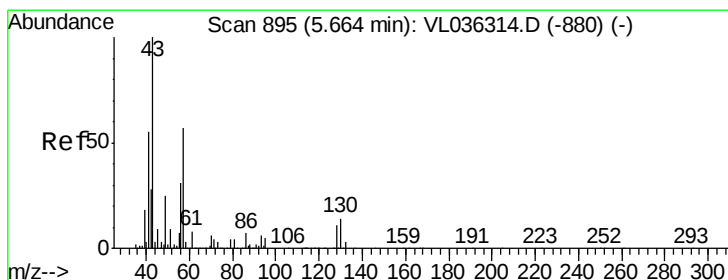
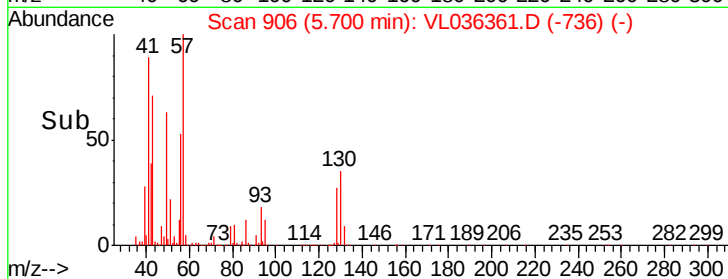
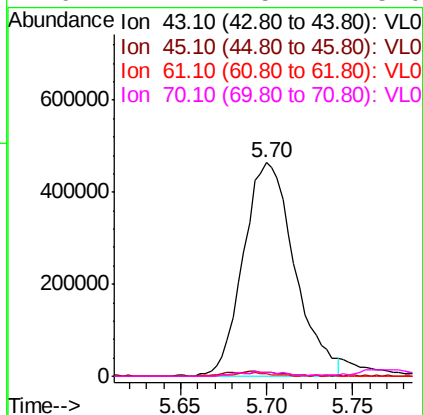
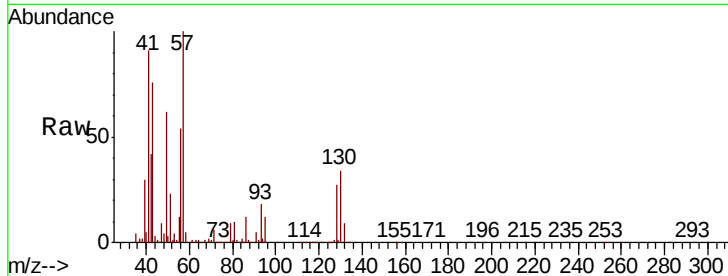




#25
Ethyl Acetate
Concen: 2.353 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.05 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

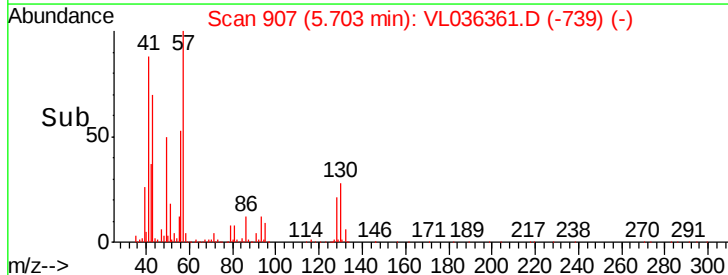
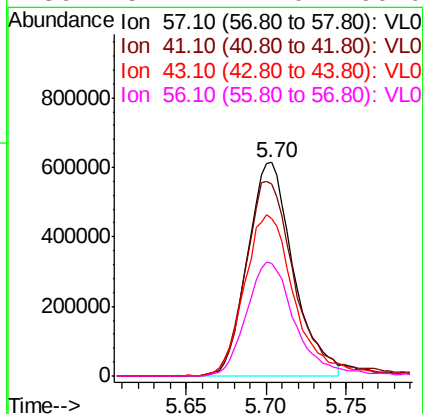
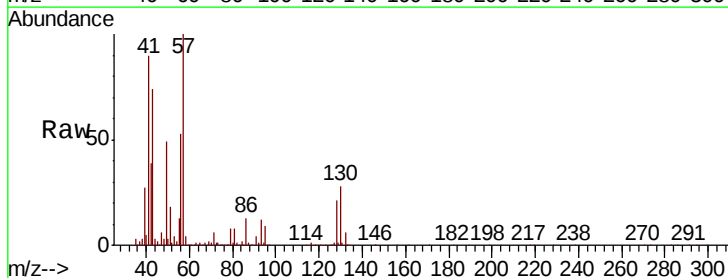
Instrument :
MSVOA_L
ClientSampleId :
NS-1

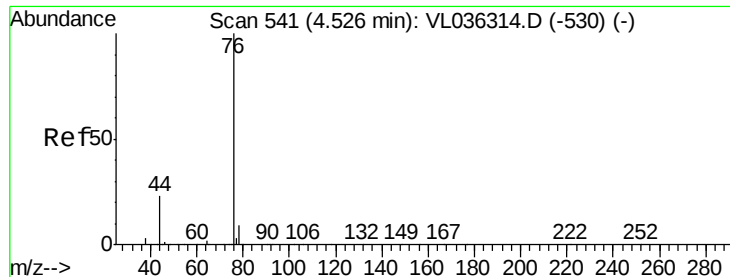
Tot Ion:	43	Resp:	956196
Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.3	12.5#
61	1.7	7.3	10.9#
70	2.1	5.4	8.0#



#26
Hexane
Concen: 7.249 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.04 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

Tgt Ion:	57	Resp:	1210240
Ion	Ratio	Lower	Upper
57	100		
41	99.9	81.7	122.5
43	84.2	199.1	298.7#
56	57.2	44.0	66.0





#27

Carbon Disulfide

Concen: 0.925 ppbv

RT: 4.56 min Scan# 553

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

NS-1

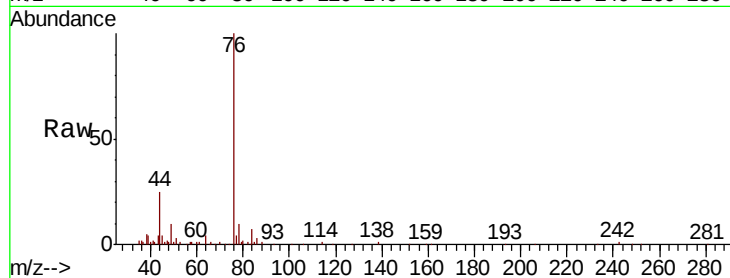
Tot Ion: 76 Resp: 142007

Ion Ratio Lower Upper

76 100

44 27.2 18.4 27.6

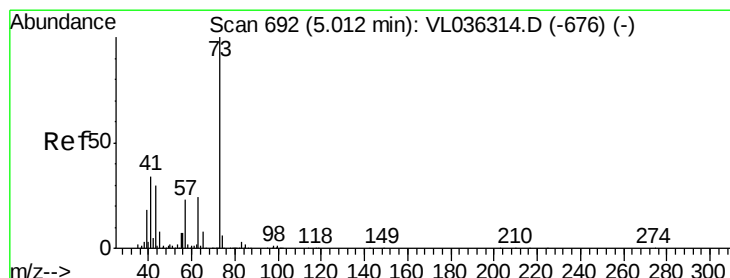
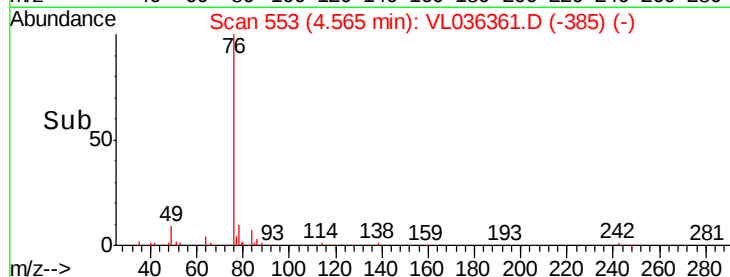
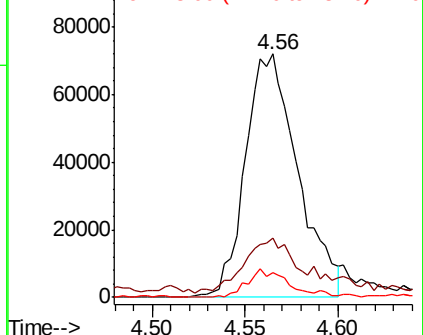
78 9.9 8.0 12.0



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



#28

Methyl tert-Butyl Ether

Concen: 0.156 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.04 min

Lab File: VL036361.D

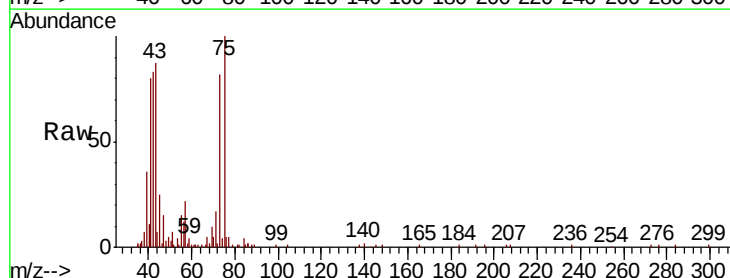
Acq: 24 Feb 2021 22:02

Tgt Ion: 73 Resp: 34107

Ion Ratio Lower Upper

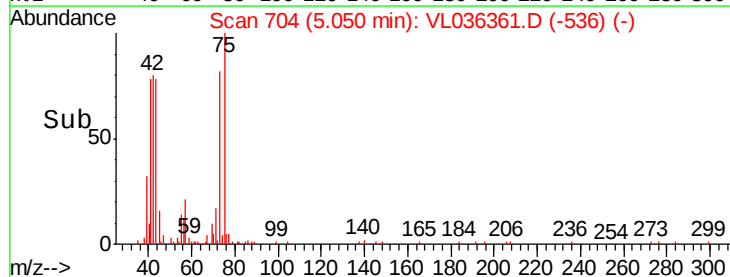
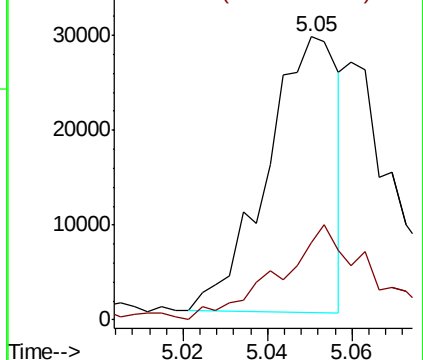
73 100

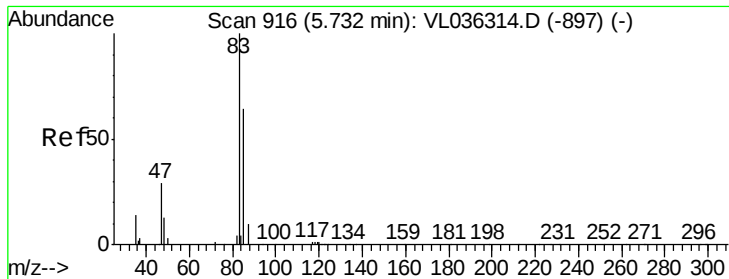
57 42.8 19.2 28.8#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 12.630 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

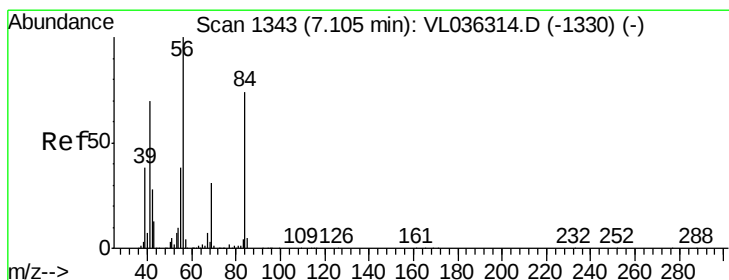
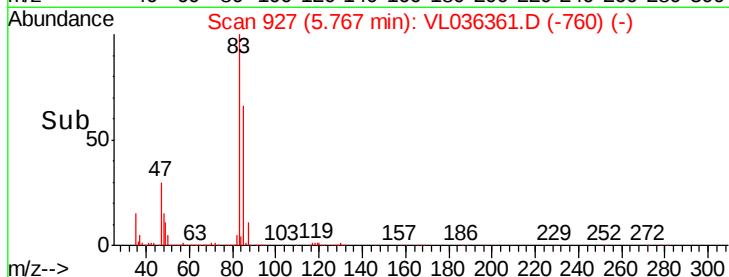
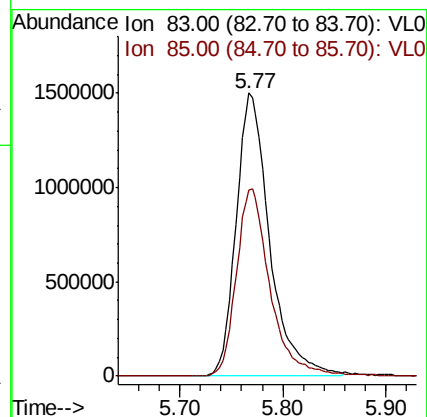
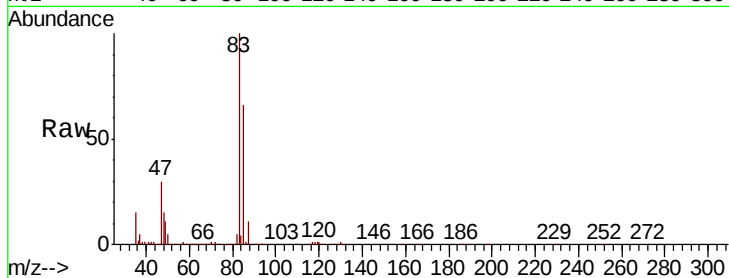
NS-1

Tot Ion: 83 Resp: 3397335

Ion Ratio Lower Upper

83 100

85 65.5 51.4 77.2



#30

Cyclohexane

Concen: 0.312 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.05 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

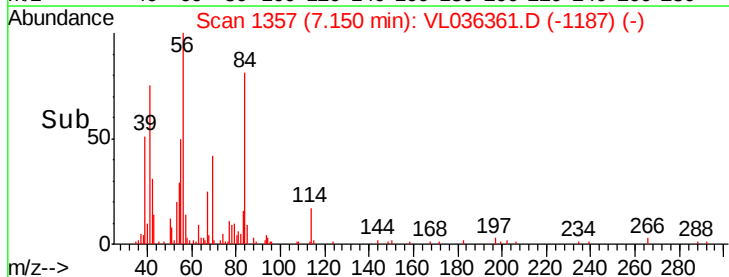
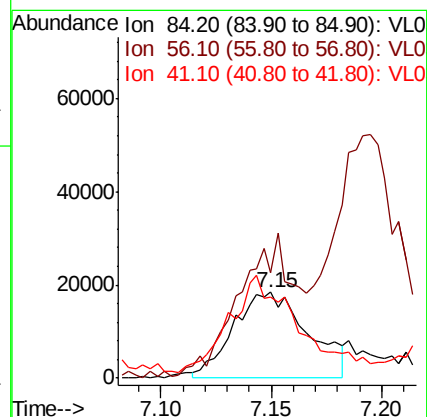
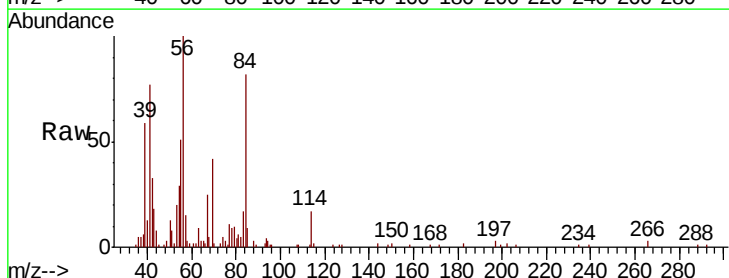
Tgt Ion: 84 Resp: 43321

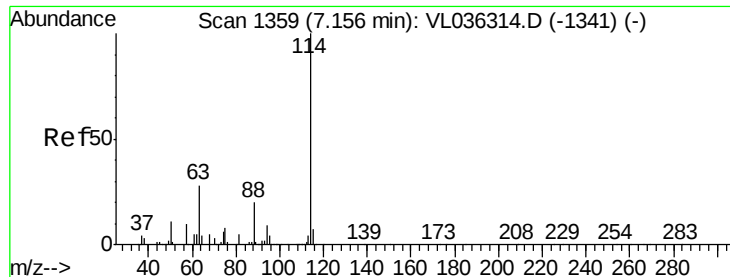
Ion Ratio Lower Upper

84 100

56 115.9 120.2 180.4#

41 101.3 79.7 119.5

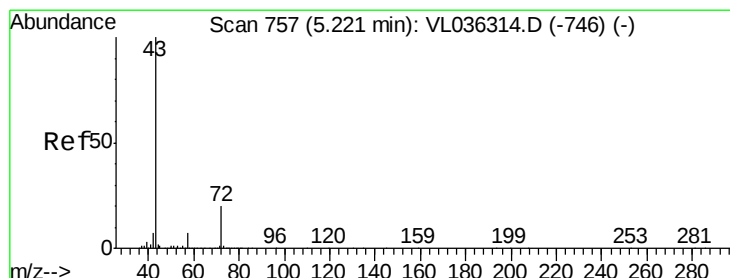
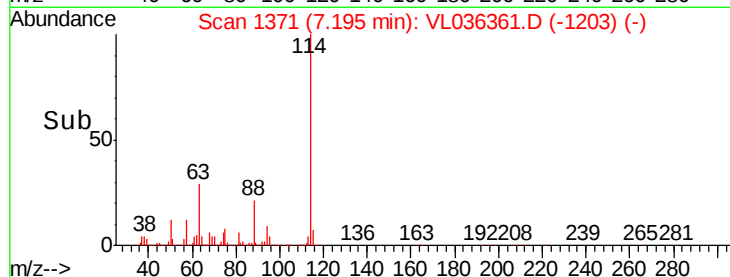
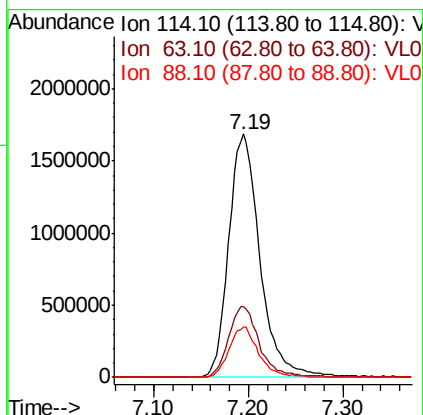
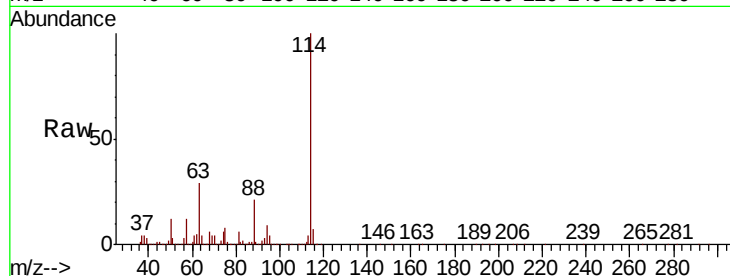




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.04 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

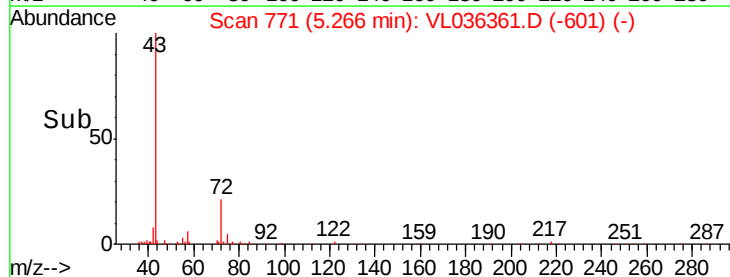
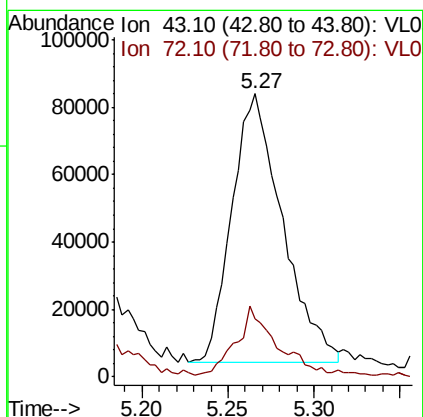
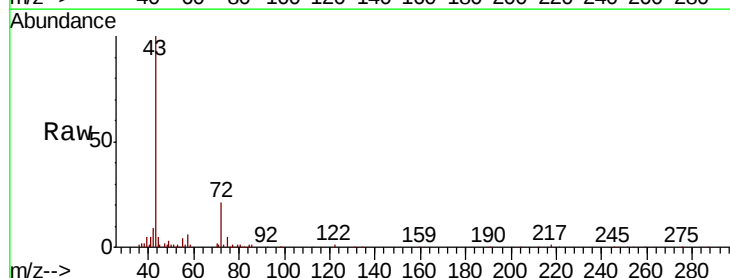
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1

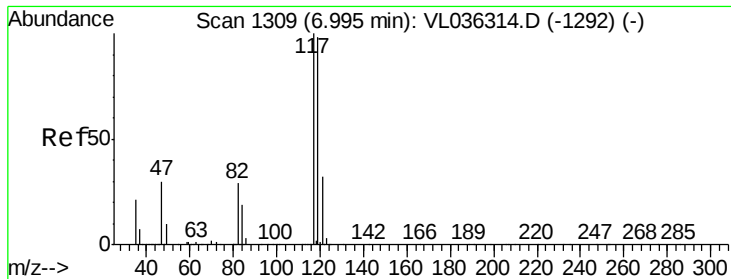
Tot Ion:114 Resp: 3865099
 Ion Ratio Lower Upper
 114 100
 63 29.1 24.1 36.1
 88 19.9 16.0 24.0



#34
 2-Butanone
 Concen: 0.634 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. 0.05 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

Tgt Ion: 43 Resp: 162752
 Ion Ratio Lower Upper
 43 100
 72 23.0 16.7 25.1





#35

Carbon Tetrachloride

Concen: 0.077 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

NS-1

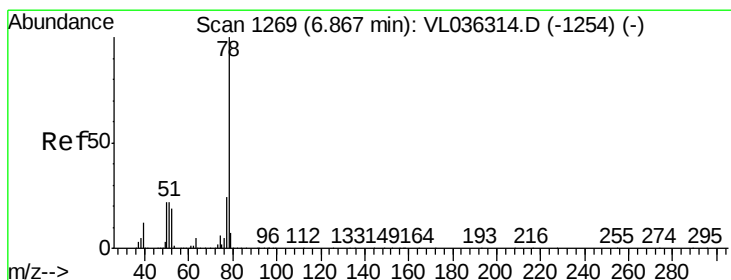
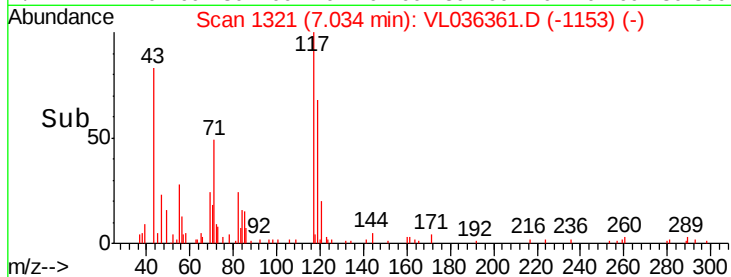
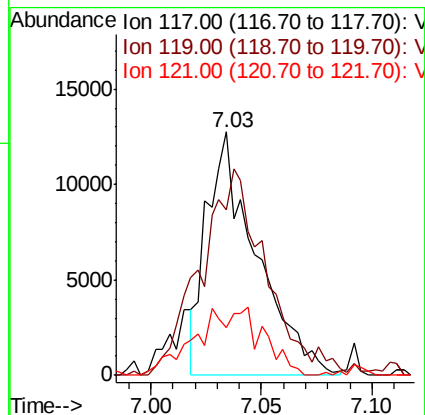
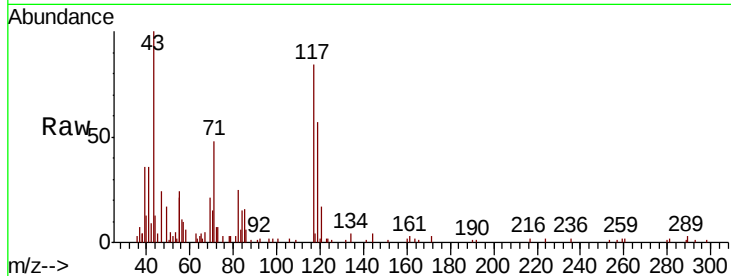
Tot Ion:117 Resp: 19821

Ion Ratio Lower Upper

117 100

119 66.4 78.1 117.1#

121 18.3 25.8 38.8#



#36

Benzene

Concen: 0.449 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

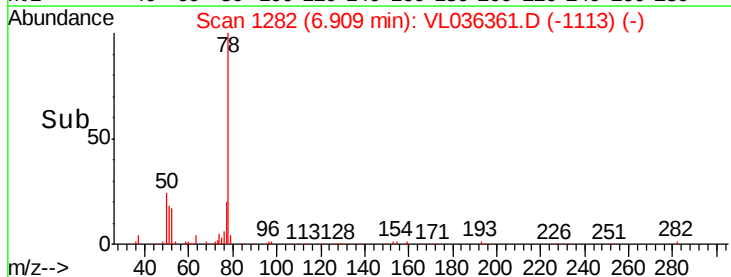
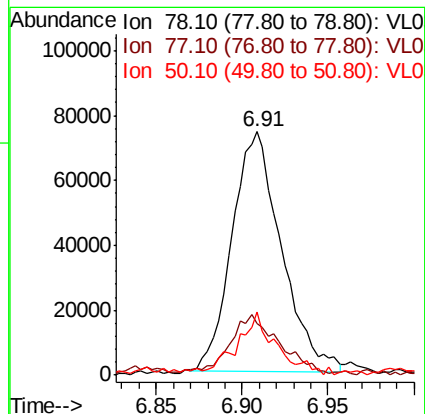
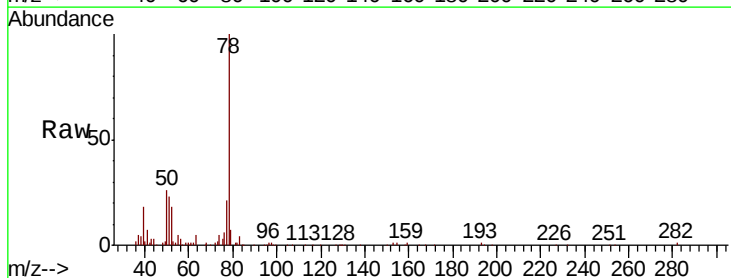
Tgt Ion: 78 Resp: 147428

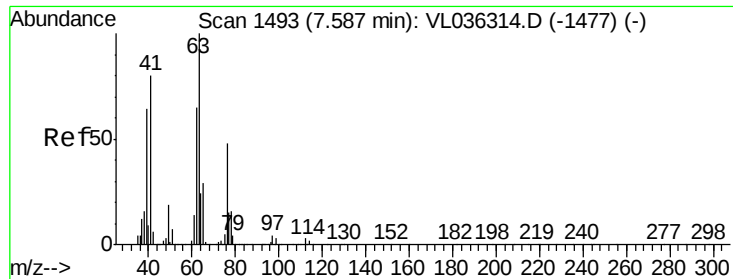
Ion Ratio Lower Upper

78 100

77 20.8 18.9 28.3

50 25.0 17.3 25.9

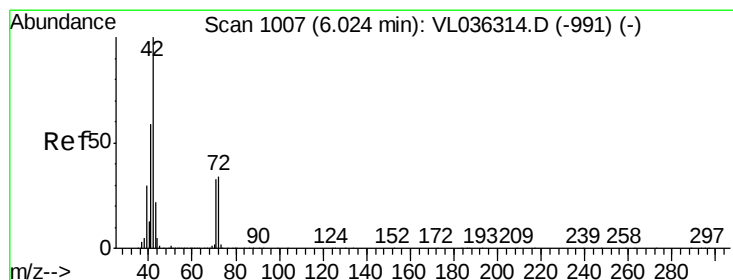
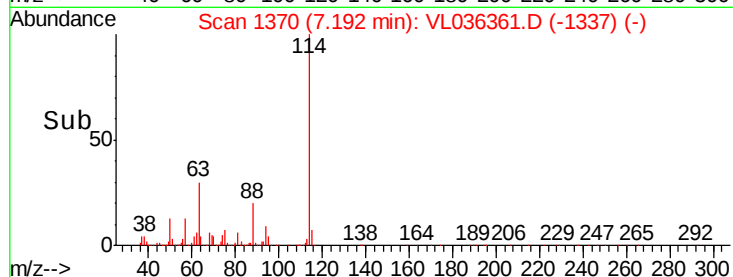
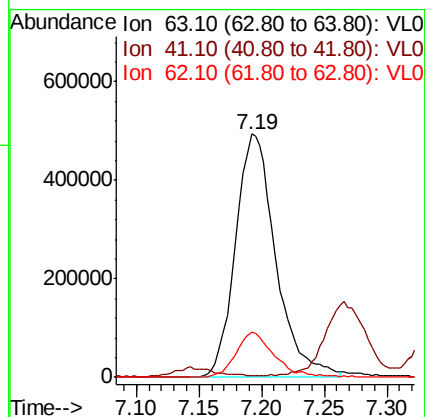
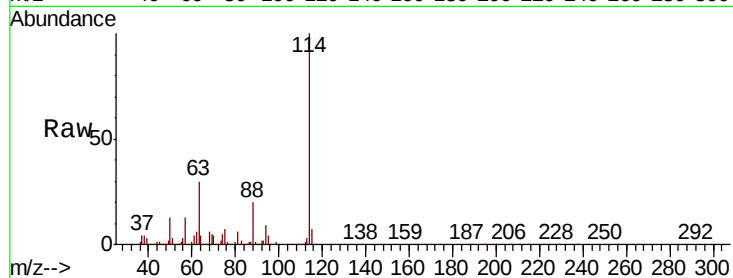




#39
 1,2-Dichloropropane
 Concen: 8.245 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.40 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

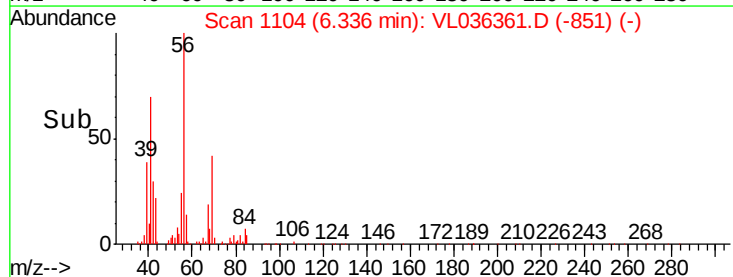
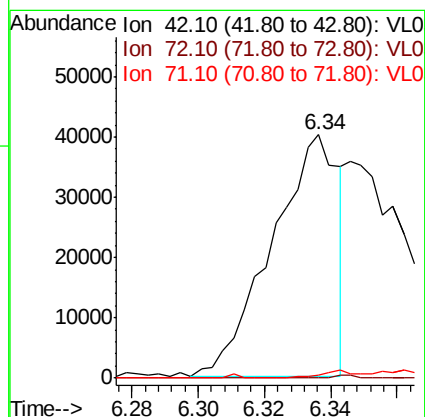
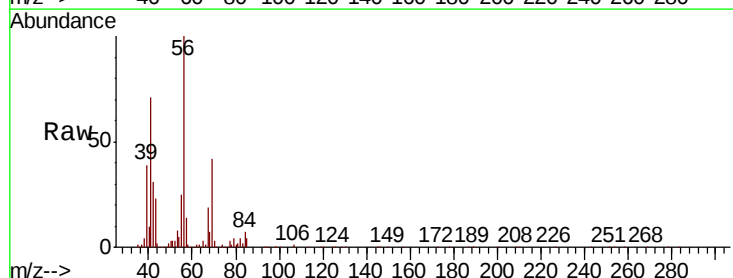
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1

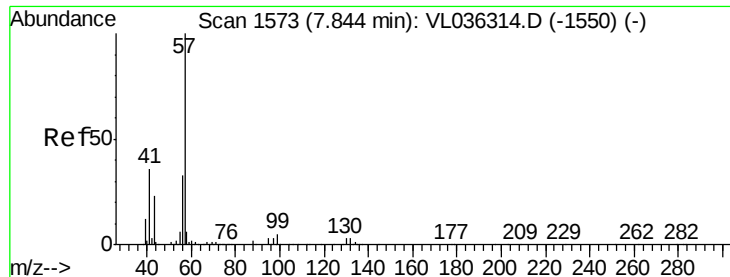
Tot Ion: 63 Resp: 1099690
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 18.6 52.3 78.5#



#41
 Tetrahydrofuran
 Concen: 0.391 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.31 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

Tgt Ion: 42 Resp: 56066
 Ion Ratio Lower Upper
 42 100
 72 0.0 29.3 43.9#
 71 0.0 27.8 41.8#





#44

2,2,4-Trimethylpentane

Concen: 2.567 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

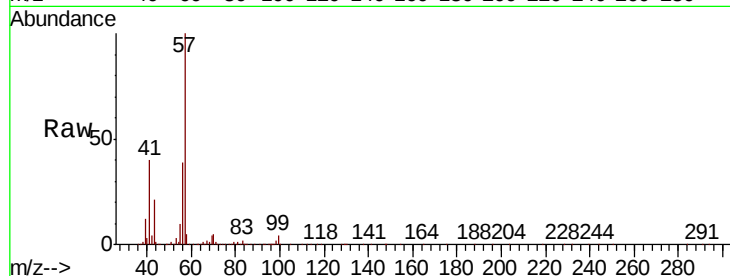
MSVOA_L

ClientSampleId :

NS-1

Tot Ion: 57 Resp: 1532459

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

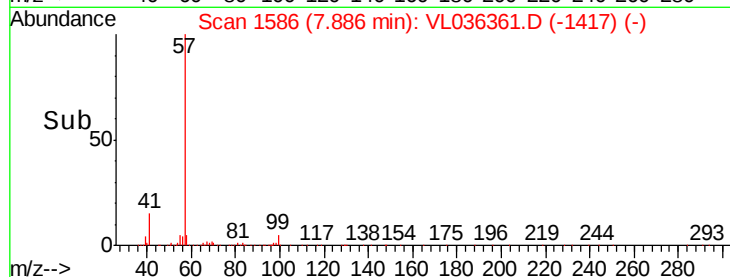


Abundance

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

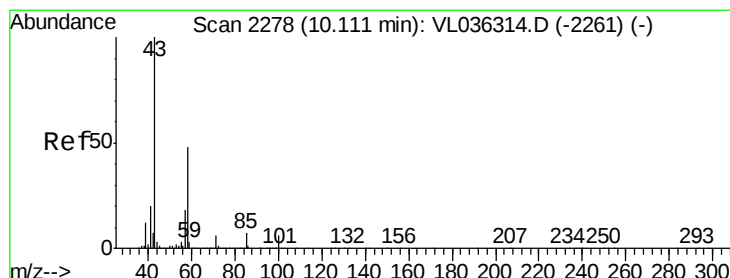


Abundance

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: 0.063 ppbv

RT: 10.14 min Scan# 2287

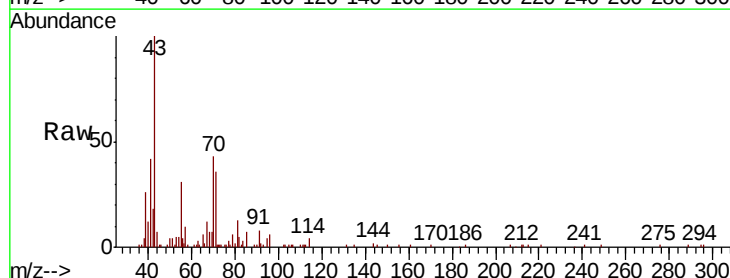
Delta R.T. 0.03 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Tgt Ion: 43 Resp: 18297

Ion	Ratio	Lower	Upper
43	100		
58	10.4	38.7	58.1#
98	0.0	0.4	0.6#

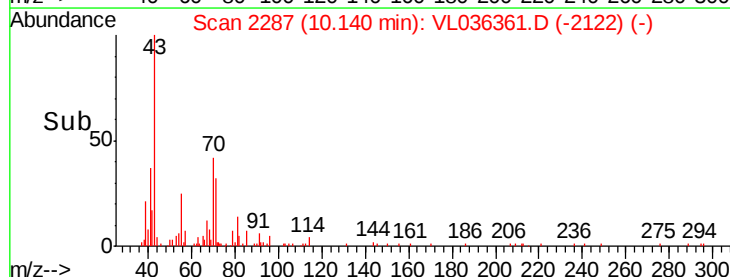


Abundance

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

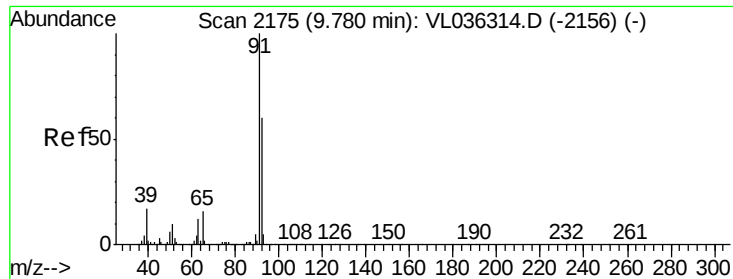


Abundance

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: 6.433 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. 0.05 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampled :

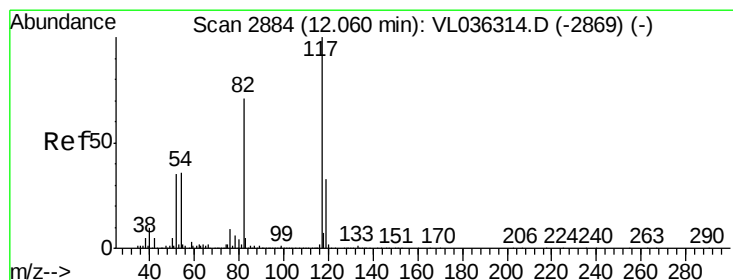
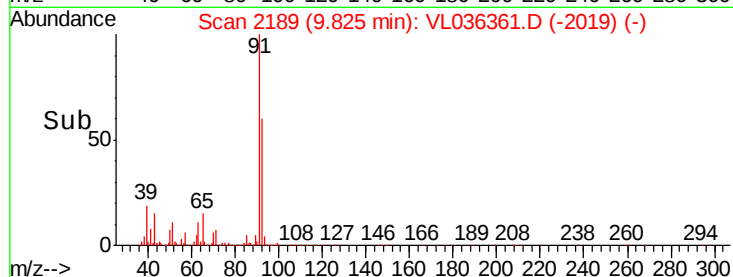
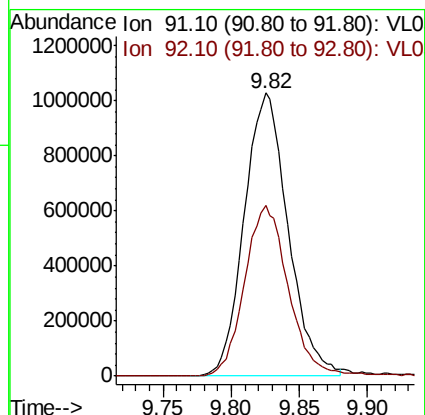
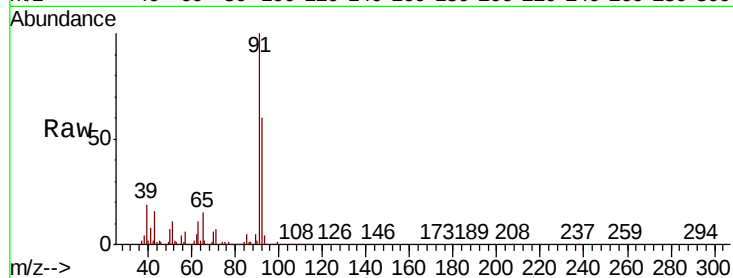
NS-1

Tot Ion: 91 Resp: 2287768

Ion Ratio Lower Upper

91 100

92 60.9 48.6 72.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.05 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

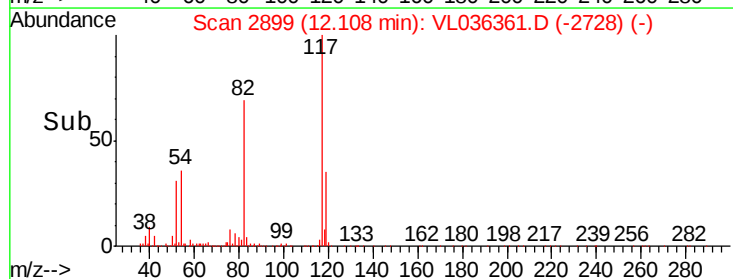
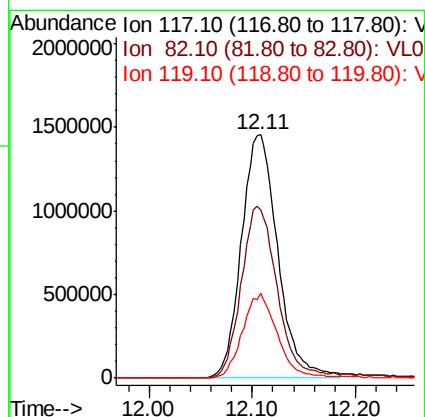
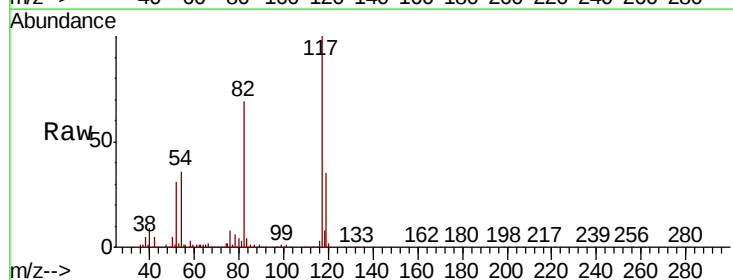
Tgt Ion: 117 Resp: 3577542

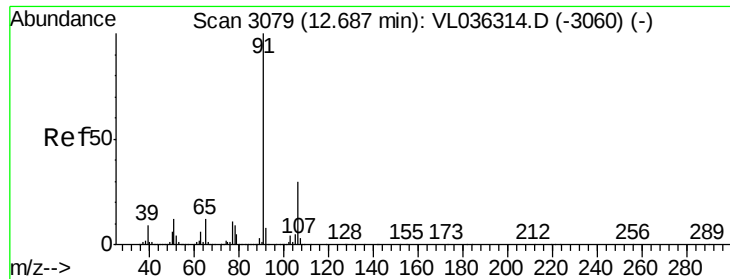
Ion Ratio Lower Upper

117 100

82 72.2 59.1 88.7

119 33.8 46.3 69.5#





#58

Ethyl Benzene

Concen: 1.134 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampled :

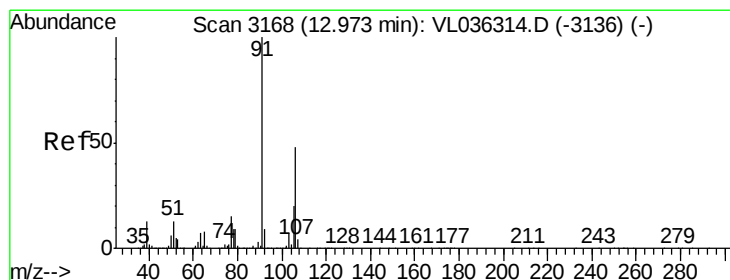
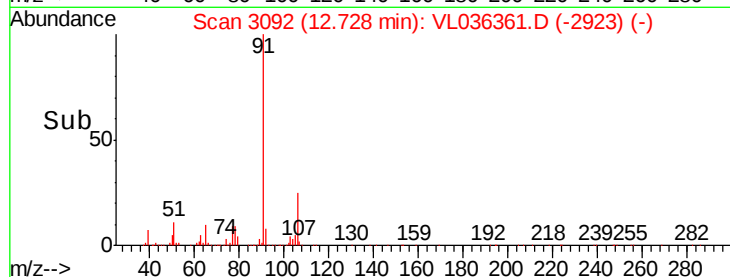
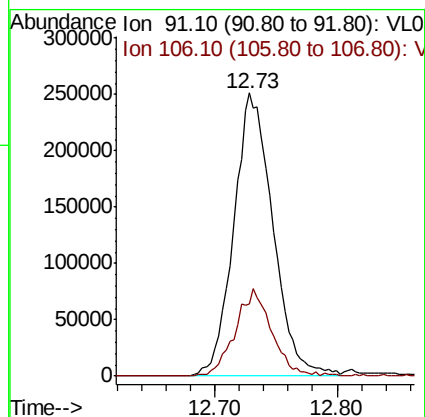
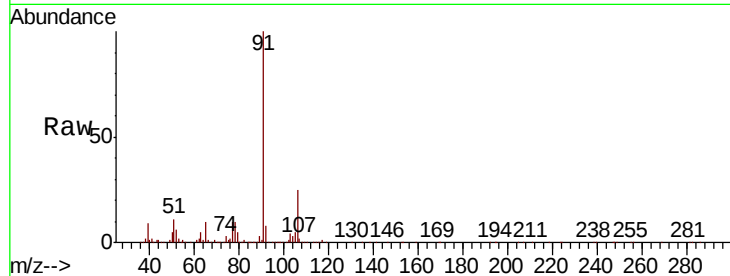
NS-1

Tot Ion: 91 Resp: 555588

Ion Ratio Lower Upper

91 100

106 25.3 23.8 35.6



#59

m/p-Xylene

Concen: 3.400 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. 0.01 min

Lab File: VL036361.D

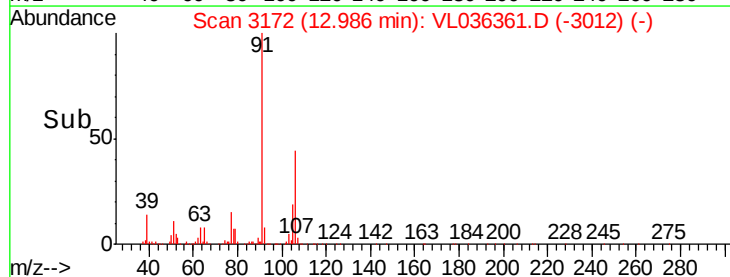
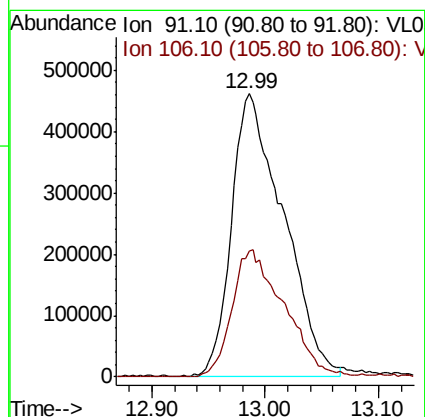
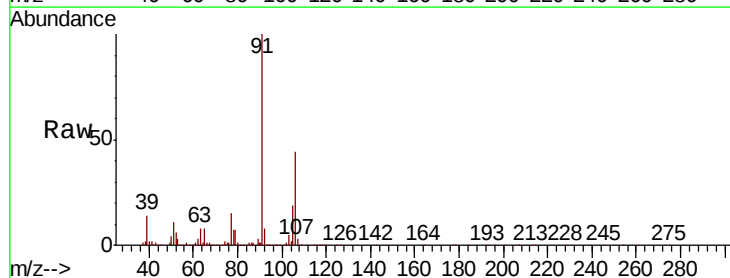
Acq: 24 Feb 2021 22:02

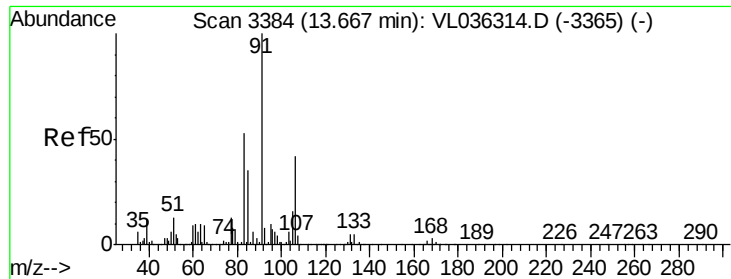
Tgt Ion: 91 Resp: 1463072

Ion Ratio Lower Upper

91 100

106 45.2 34.2 51.2

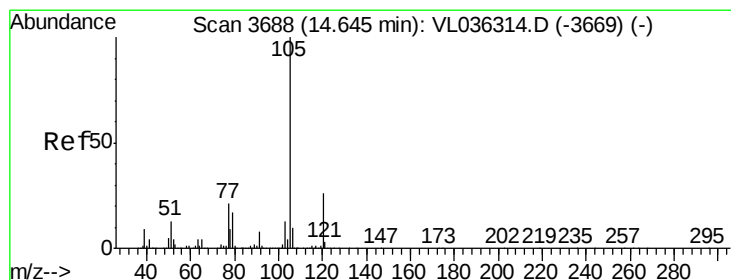
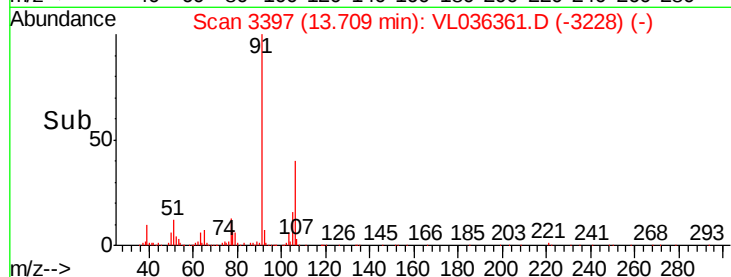
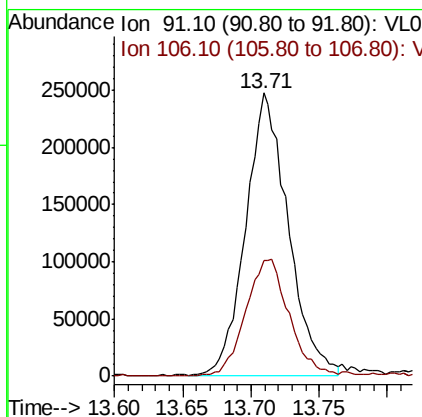
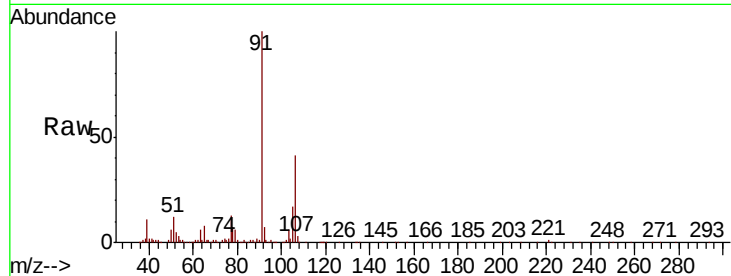




#60
o-Xylene
Concen: 1.295 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.04 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

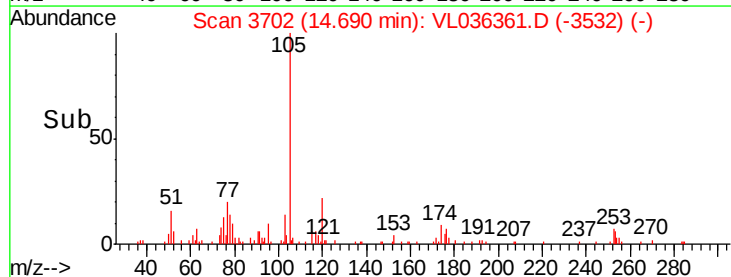
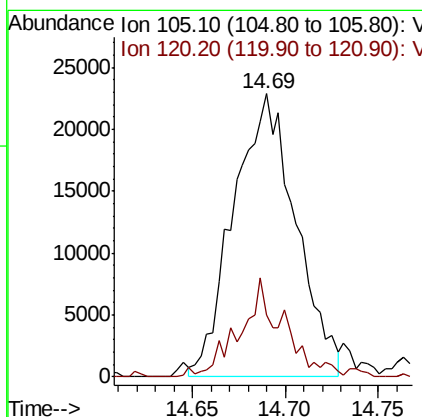
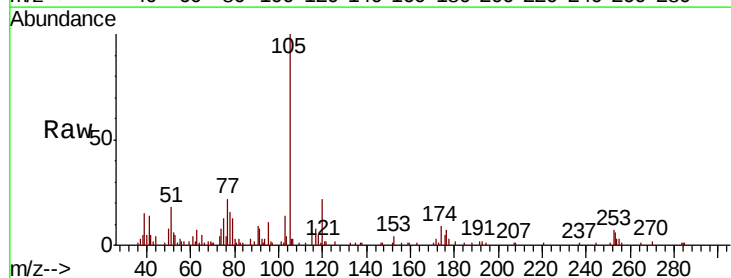
Instrument :
MSVOA_L
ClientSampled :
NS-1

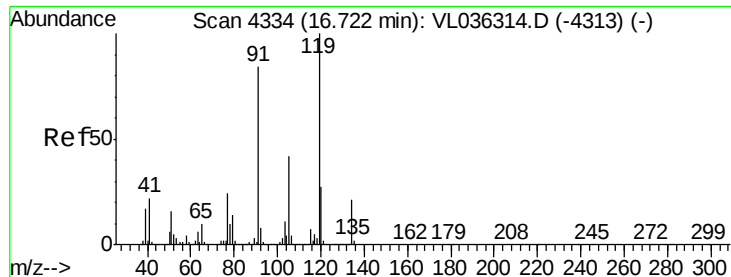
Tot Ion: 91 Resp: 532974
Ion Ratio Lower Upper
91 100
106 43.5 22.0 66.0



#62
Isopropylbenzene
Concen: 0.086 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. 0.05 min
Lab File: VL036361.D
Acq: 24 Feb 2021 22:02

Tgt Ion: 105 Resp: 53236
Ion Ratio Lower Upper
105 100
120 25.4 20.6 30.8





#65

tert-Butylbenzene

Concen: 0.082 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.06 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampled :

NS-1

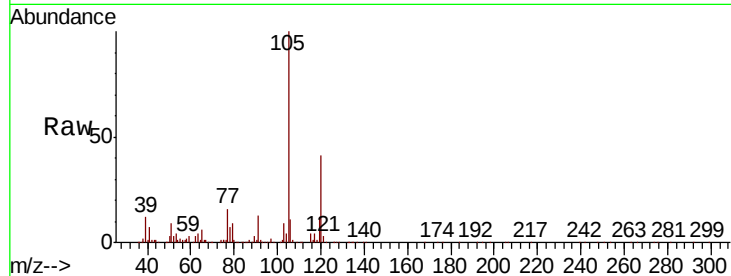
Tot Ion:119 Resp: 43034

Ion Ratio Lower Upper

119 100

91 169.7 70.5 105.7#

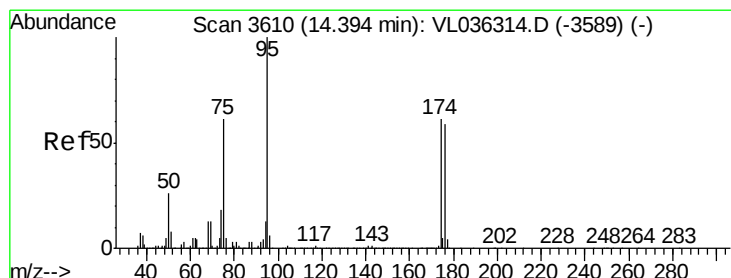
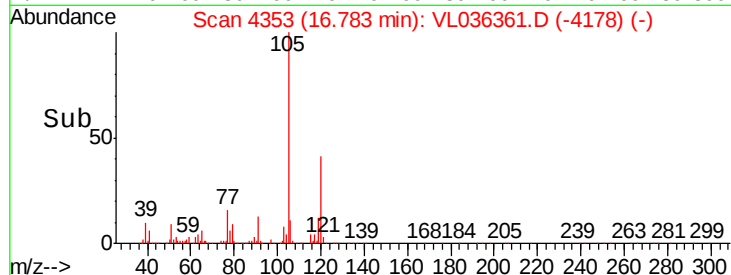
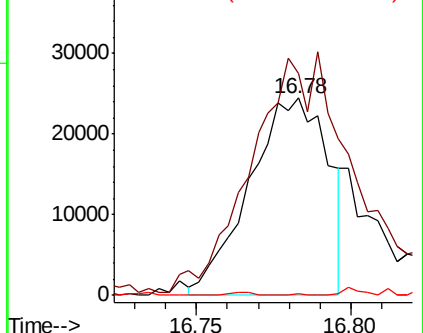
134 0.0 15.8 23.8#



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: 9.916 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

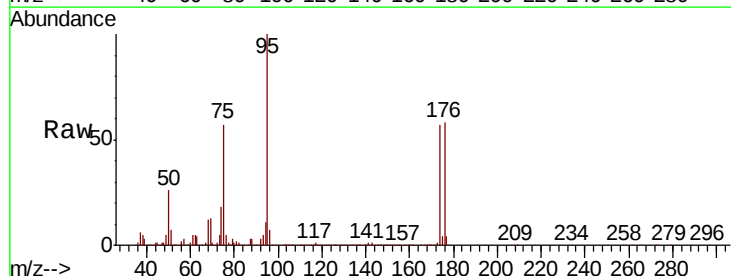
Tgt Ion: 95 Resp: 2918799

Ion Ratio Lower Upper

95 100

174 62.5 49.8 74.6

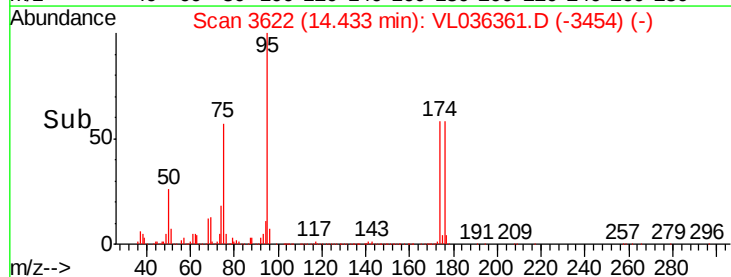
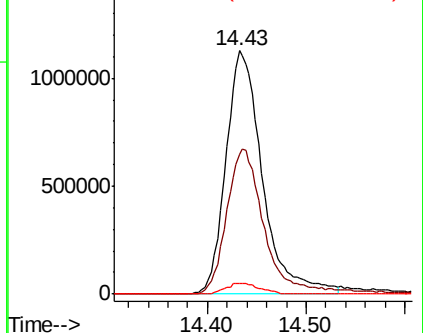
175 4.4 3.7 5.5

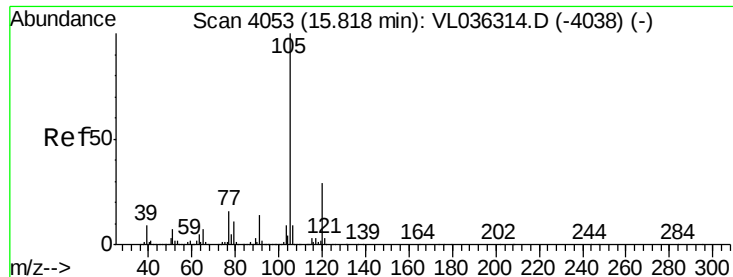


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#72

4-Ethyltoluene

Concen: 0.356 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. 0.04 min

Lab File: VL036361.D

Acq: 24 Feb 2021 22:02

Instrument :

MSVOA_L

ClientSampleId :

NS-1

Tot Ion:105 Resp: 162935

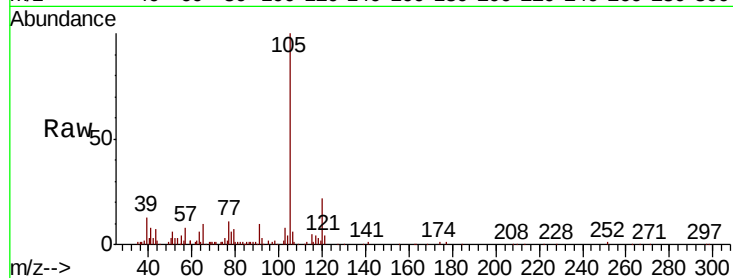
Ion Ratio Lower Upper

105 100

120 32.4 23.2 34.8

91 15.8 11.0 16.4

77 16.5 12.2 18.4

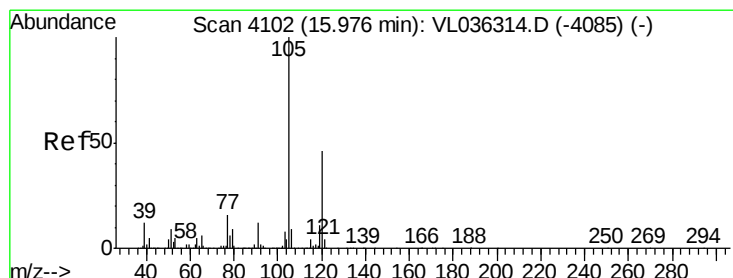
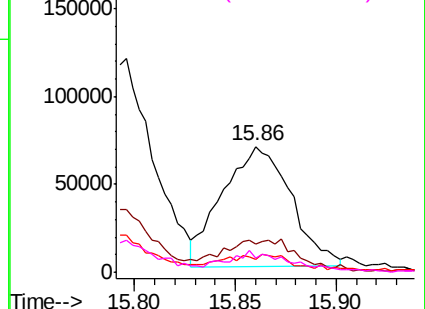
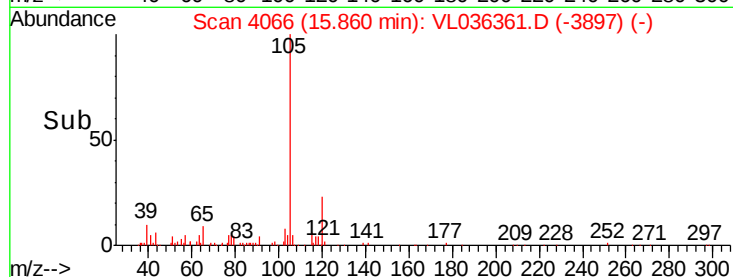


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.083 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.05 min

Lab File: VL036361.D

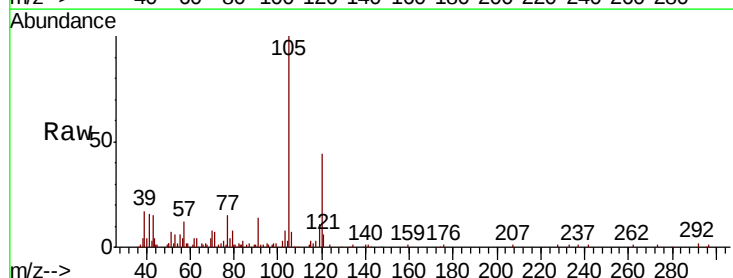
Acq: 24 Feb 2021 22:02

Tgt Ion:105 Resp: 36755

Ion Ratio Lower Upper

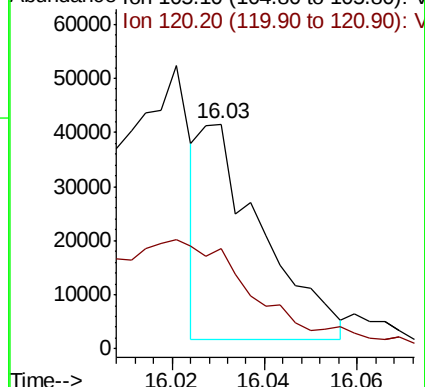
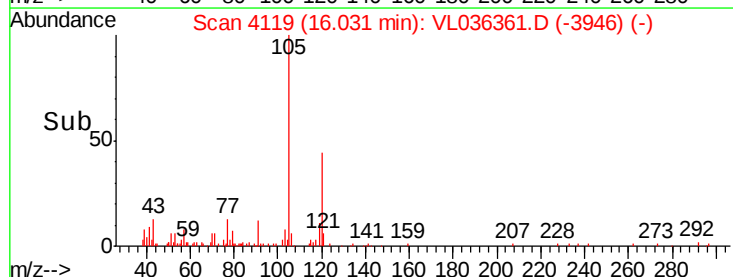
105 100

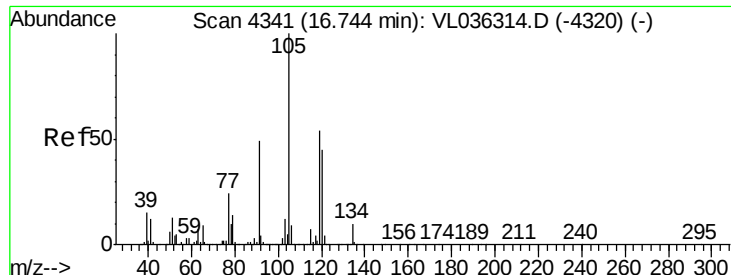
120 39.8 36.9 55.3



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: 0.622 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. 0.04 min
 Lab File: VL036361.D
 Acq: 24 Feb 2021 22:02

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1

Tot Ion:	105	Resp:	281736
Ion Ratio	Lower	Upper	
105	100		
120	41.3	35.8	53.6
91	10.5	39.8	59.6#
77	16.4	19.1	28.7#

