

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
 Data File : VL036554.D
 Acq On : 30 Mar 2021 1:03
 Operator : SY/AP
 Sample : M1759-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 30 06:44:38 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1556195	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3327484	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3171735	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2508755	9.92	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	18271	0.072	ppbv 97
3) Chlorodifluoromethane	2.97	51	57148	0.197	ppbv # 90
4) Chloromethane	3.13	50	43166	0.420	ppbv 90
5) Vinyl Chloride	3.24	62	2386	0.023	ppbv # 42
9) Propene	3.01	41	32697	0.353	ppbv 99
10) Heptane	8.10	43	14672	0.062	ppbv # 63
11) Trichlorofluoromethane	3.93	101	50246	0.194	ppbv 85
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6367	0.038	ppbv # 14
13) Ethanol	3.64	45	11781891	1067.395	ppbv # 1
15) Acetone	3.83	43	2762539	18.036	ppbv 96
16) 1,3-Butadiene	3.29	39	12020	0.113	ppbv # 44
17) tert-Butyl alcohol	4.29	59	2743	0.021	ppbv # 72
19) Isopropyl Alcohol	4.02	45	2582762	30.654	ppbv 98
20) Methylene Chloride	4.33	84	34259	0.478	ppbv 91
21) Allyl Chloride	4.37	41	14330	0.117	ppbv # 17
23) Vinyl Acetate	5.05	43	362508	1.384	ppbv # 85
24) 1,1-Dichloroethane	4.99	63	4465	0.023	ppbv # 90
25) Ethyl Acetate	5.65	43	772830	2.122	ppbv # 91
26) Hexane	5.66	57	144856	0.857	ppbv # 1
27) Carbon Disulfide	5.00	76	846449	5.085	ppbv # 60
28) Methyl tert-Butyl Ether	5.00	73	68760	0.345	ppbv # 1
29) Chloroform	5.73	83	73770	0.273	ppbv 88
31) cis-1,2-Dichloroethene	5.65	61	87729	0.537	ppbv # 29
34) 2-Butanone	5.23	43	205852	1.267	ppbv 96
36) Benzene	6.87	78	78975	0.257	ppbv 95
38) Trichloroethene	7.81	130	57259	0.479	ppbv 96
39) 1,2-Dichloropropane	7.15	63	919188	7.384	ppbv # 24
41) Tetrahydrofuran	6.05	42	6200	0.083	ppbv # 1
44) 2,2,4-Trimethylpentane	7.84	57	24305	0.045	ppbv # 37
53) Toluene	9.78	91	218874	0.670	ppbv 96
56) 1,1,1,2-Tetrachloroethane	11.67	131	38624	0.269	ppbv # 1
58) Ethyl Benzene	12.95	91	64558	0.140	ppbv 99
59) m/p-Xylene	12.95	91	64558	0.160	ppbv # 50
60) o-Xylene	13.67	91	18659	0.048	ppbv # 24
61) Styrene	13.51	104	37566	0.192	ppbv # 23
65) tert-Butylbenzene	16.96	119	264425	0.582	ppbv # 16
66) Benzyl Chloride	16.97	91	1927	0.038	ppbv # 66
74) 1,2,4-Trimethylbenzene	16.74	105	37917	0.089	ppbv # 63
76) 1,4-Dichlorobenzene	17.12	146	63542	0.267	ppbv 79

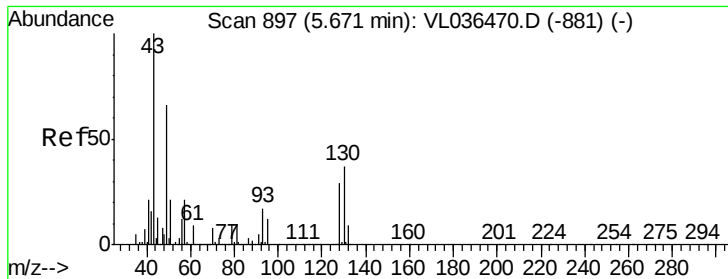
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032921\
Data File : VL036554.D
Acq On : 30 Mar 2021 1:03
Operator : SY/AP
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :
MSVOA_L
ClientSampleId :

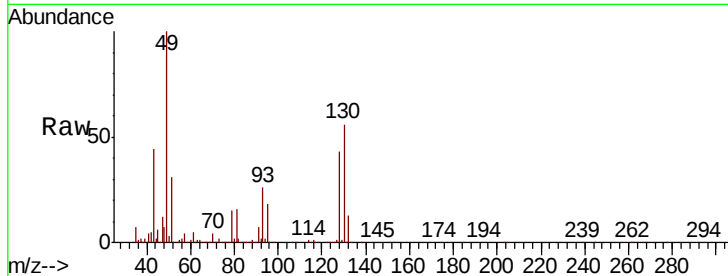
Tot Ion: 49 Resp: 1556195

Ion Ratio Lower Upper

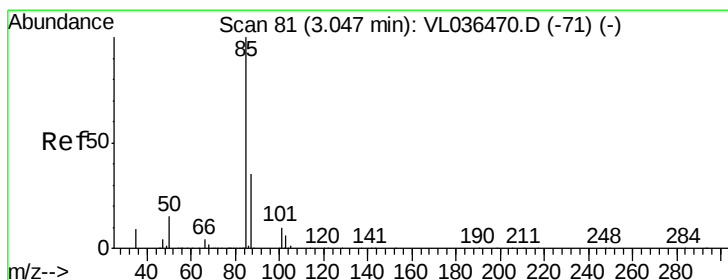
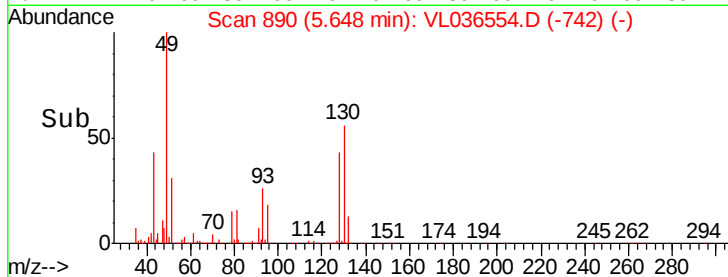
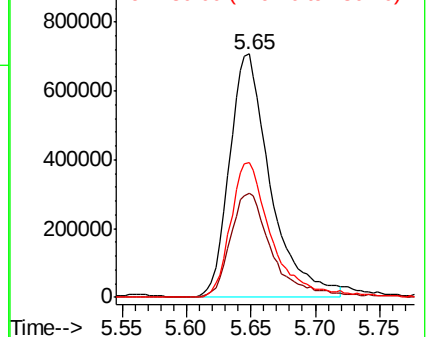
49 100

128 44.7 23.5 70.6

130 56.7 29.1 87.4



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: 0.072 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL036554.D

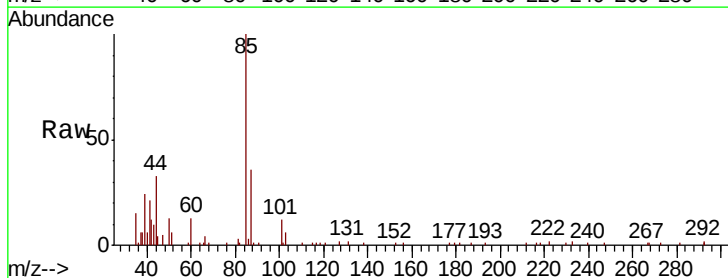
Acq: 30 Mar 2021 1:03

Tgt Ion: 85 Resp: 18271

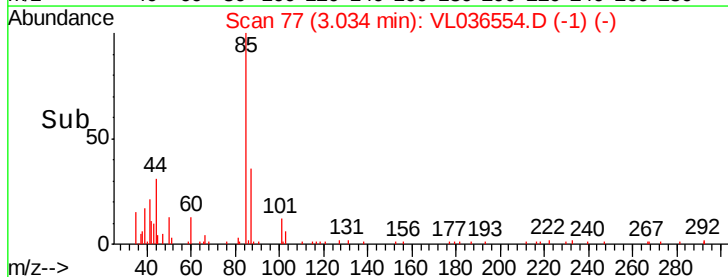
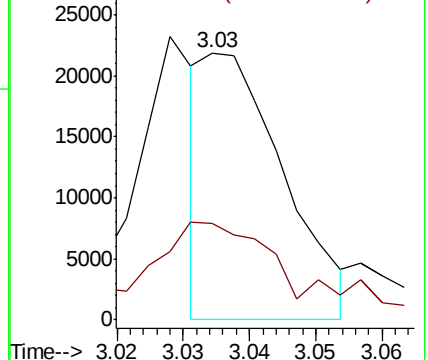
Ion Ratio Lower Upper

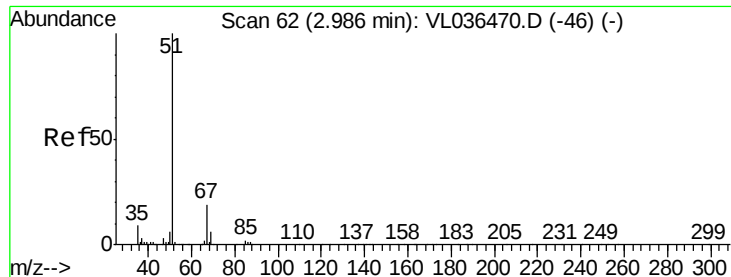
85 100

87 33.2 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.197 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

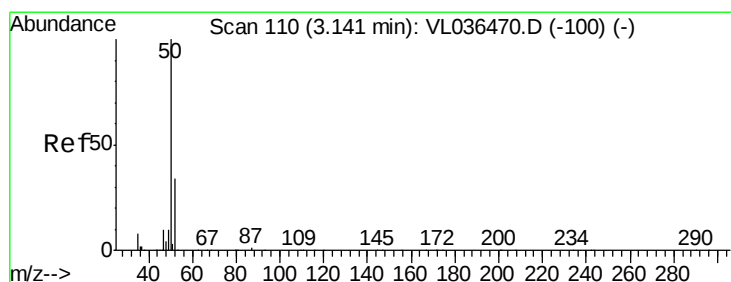
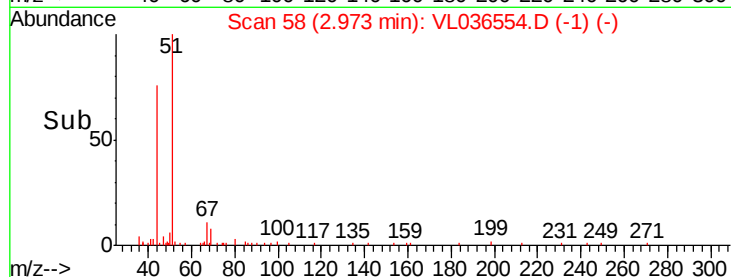
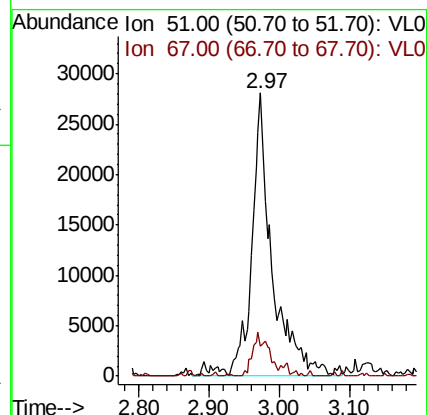
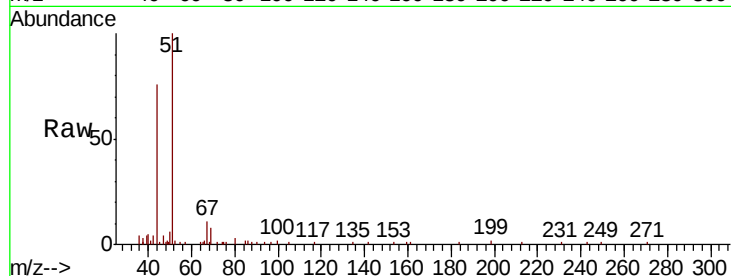
ClientSampleId :

Tot Ion: 51 Resp: 57148

Ion Ratio Lower Upper

51 100

67 14.0 14.7 22.1#



#4

Chloromethane

Concen: 0.420 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036554.D

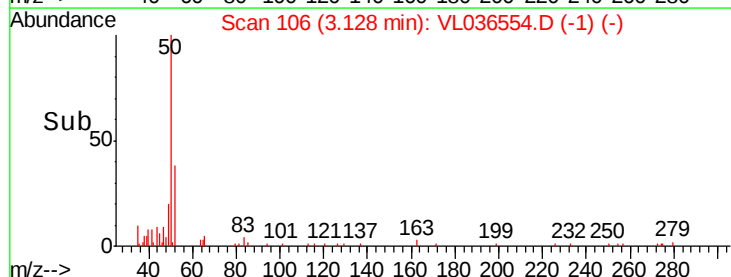
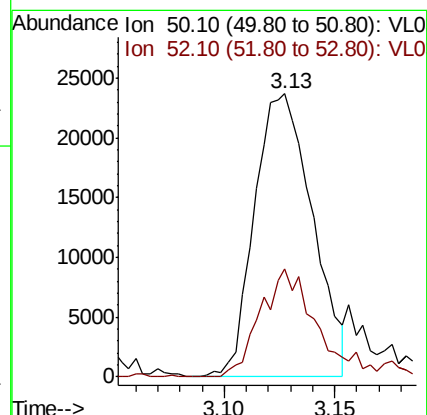
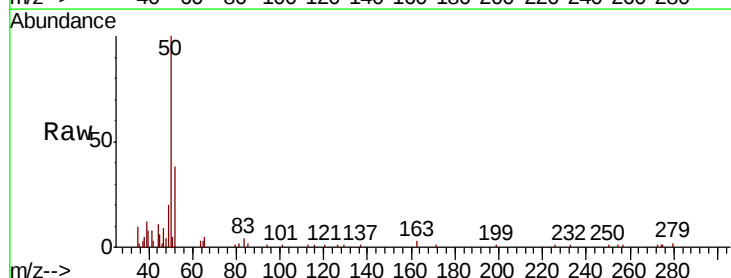
Acq: 30 Mar 2021 1:03

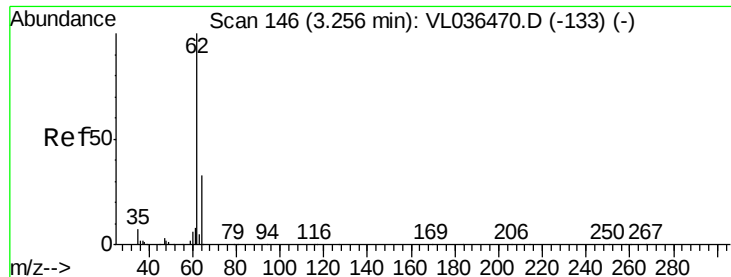
Tgt Ion: 50 Resp: 43166

Ion Ratio Lower Upper

50 100

52 39.3 27.0 40.6





#5

Vinyl Chloride

Concen: 0.023 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

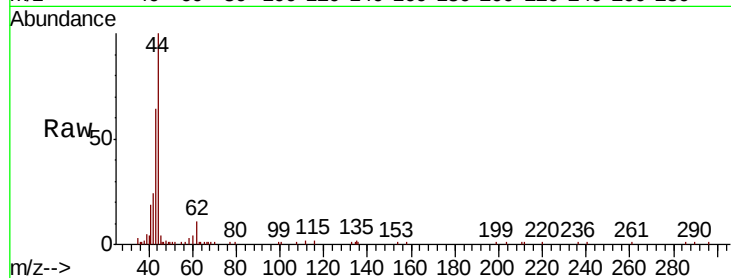
ClientSampleId :

Tot Ion: 62 Resp: 2386

Ion Ratio Lower Upper

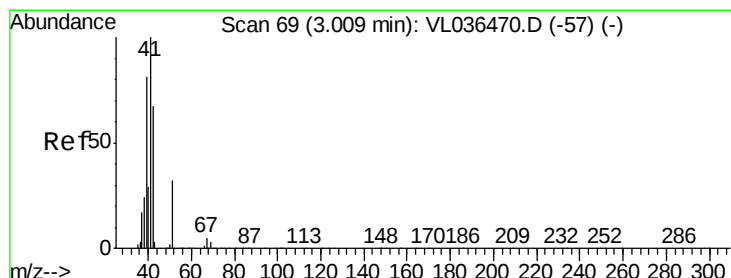
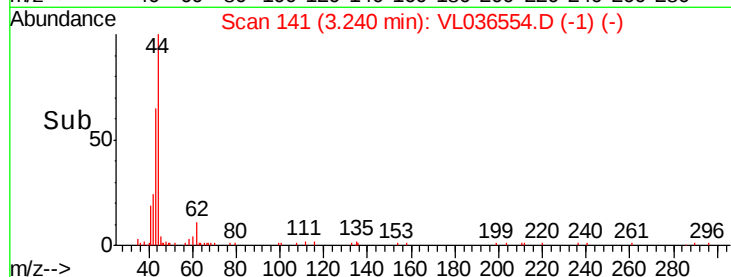
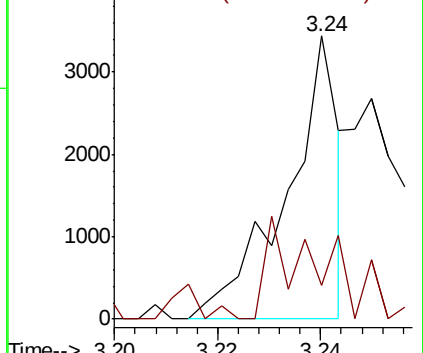
62 100

64 0.0 26.4 39.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 0.353 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036554.D

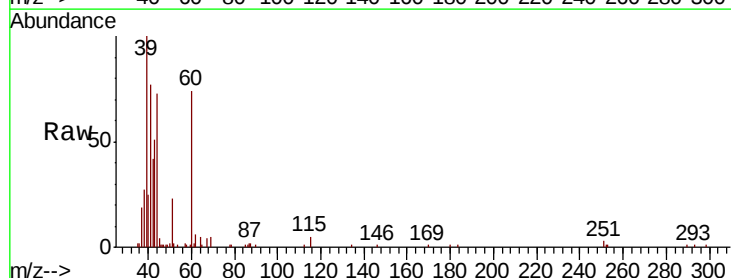
Acq: 30 Mar 2021 1:03

Tgt Ion: 41 Resp: 32697

Ion Ratio Lower Upper

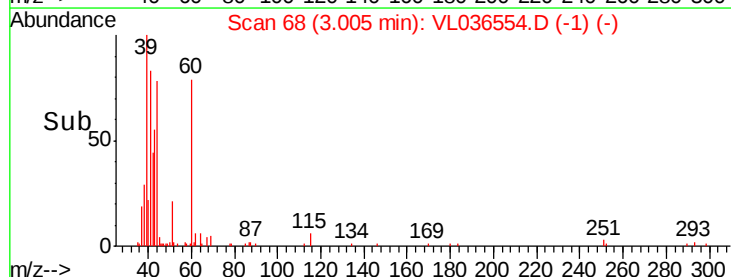
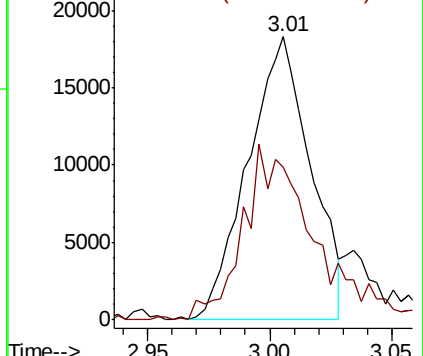
41 100

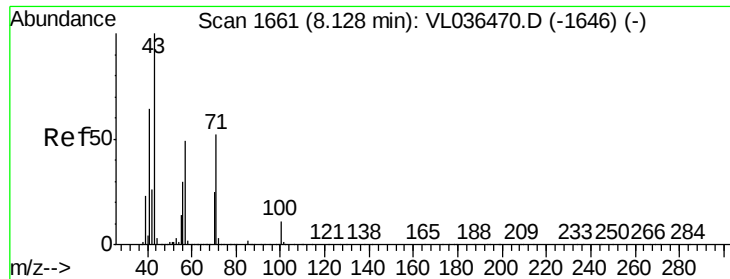
42 71.8 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

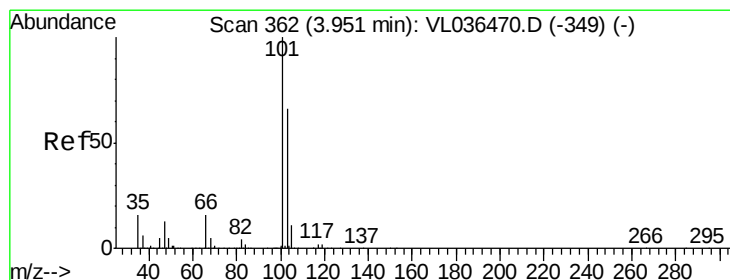
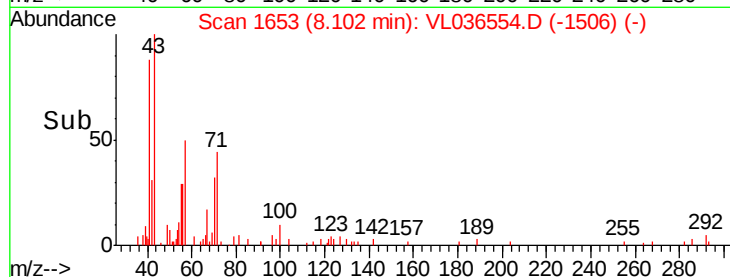
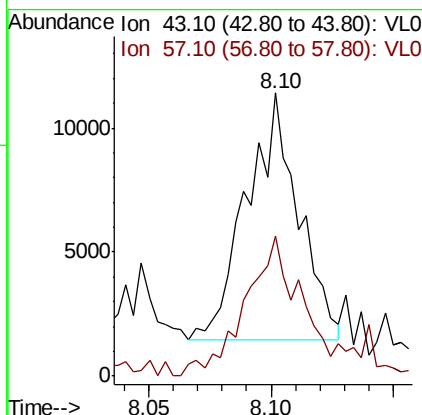
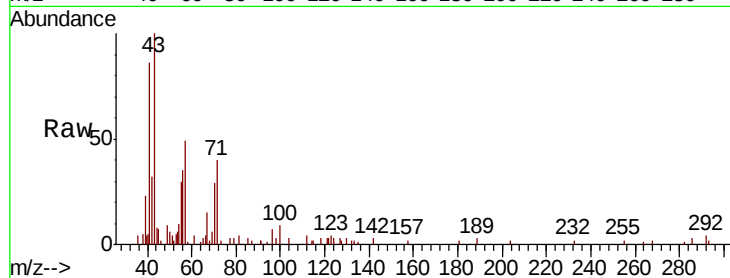




#10
 Heptane
 Concen: 0.062 ppbv
 RT: 8.10 min Scan# 1653
 Delta R.T. -0.03 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

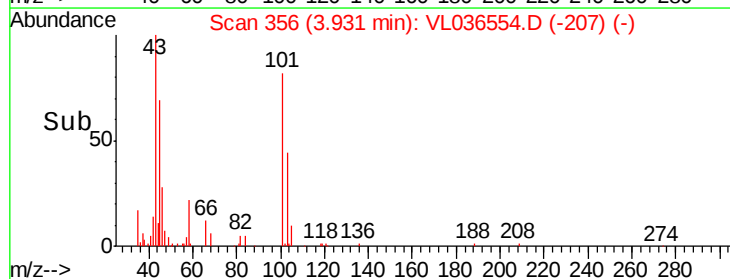
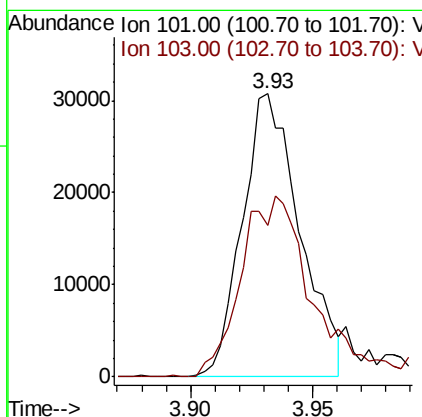
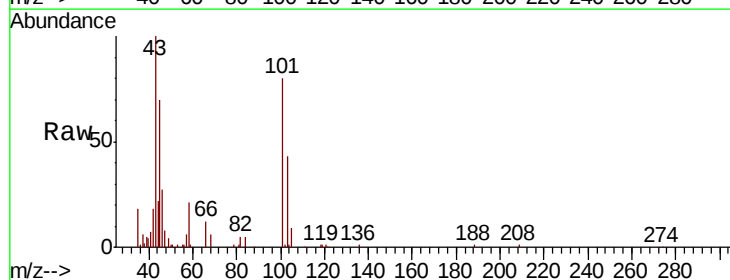
Instrument :
 MSVOA_L
 ClientSampleId :

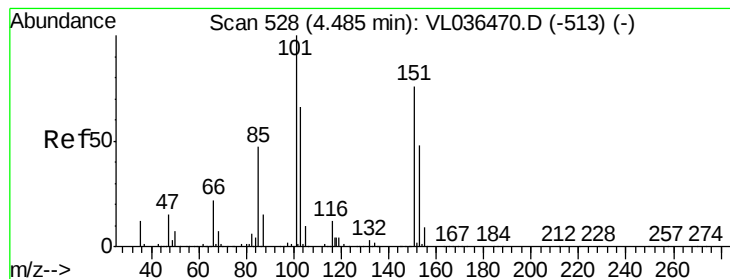
Tot Ion: 43 Resp: 14672
 Ion Ratio Lower Upper
 43 100
 57 73.9 39.0 58.6#



#11
 Trichlorofluoromethane
 Concen: 0.194 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.02 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

Tgt Ion: 101 Resp: 50246
 Ion Ratio Lower Upper
 101 100
 103 53.4 52.5 78.7





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.02 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

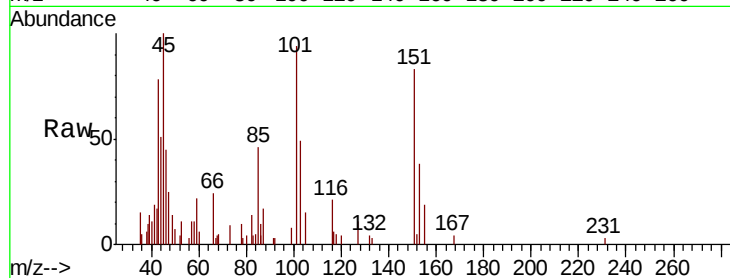
ClientSampleId :

Tot Ion:101 Resp: 6367

Ion Ratio Lower Upper

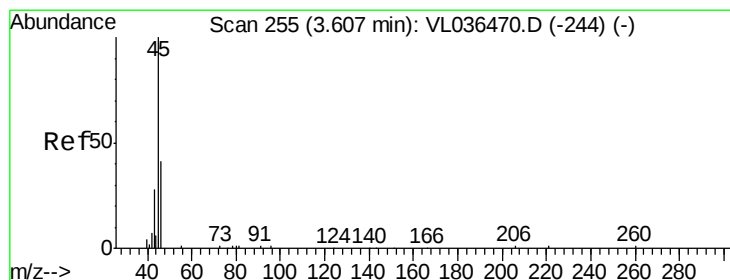
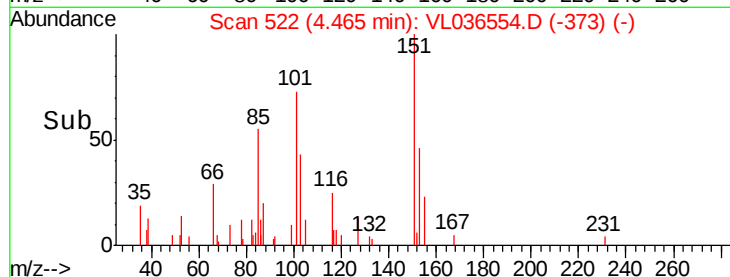
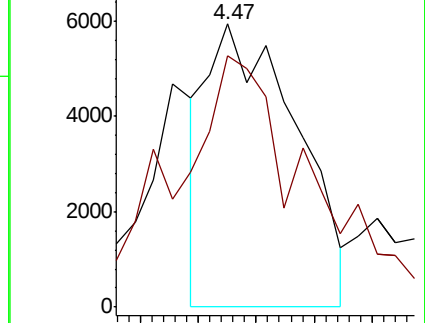
101 100

151 149.6 60.9 91.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#13

Ethanol

Concen: 1067.395 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.03 min

Lab File: VL036554.D

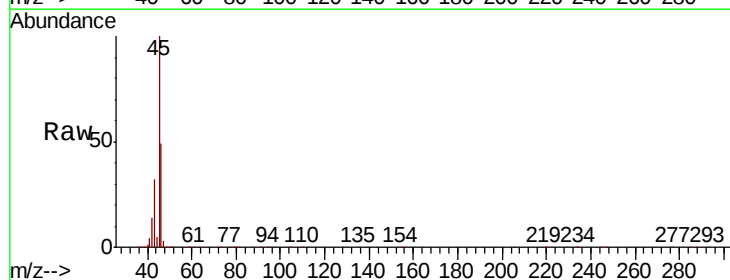
Acq: 30 Mar 2021 1:03

Tgt Ion: 45 Resp:11781891

Ion Ratio Lower Upper

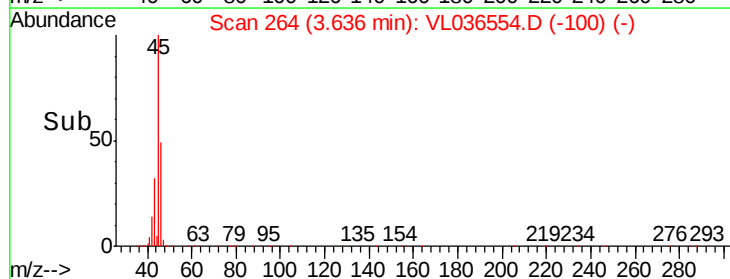
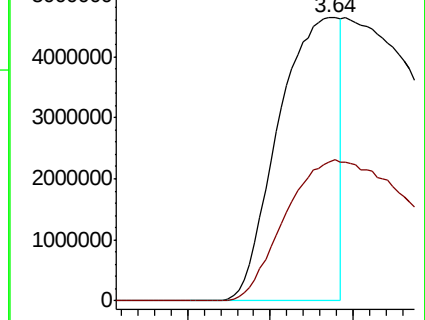
45 100

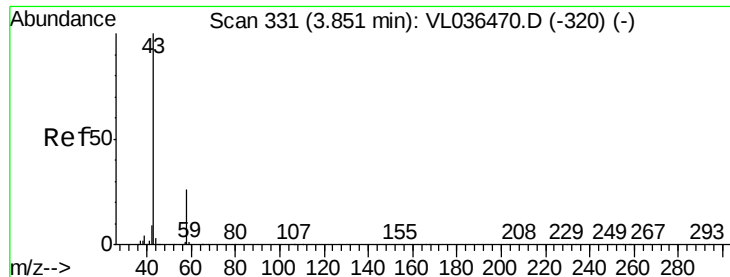
46 115.2 16.6 66.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 18.036 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

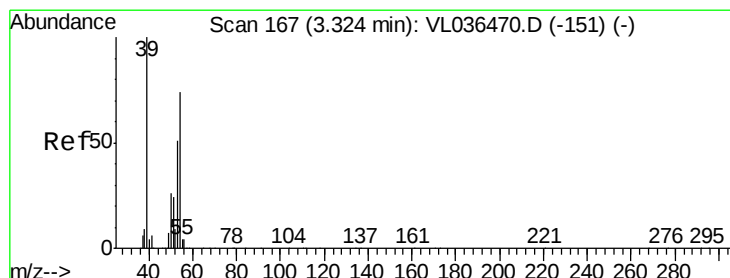
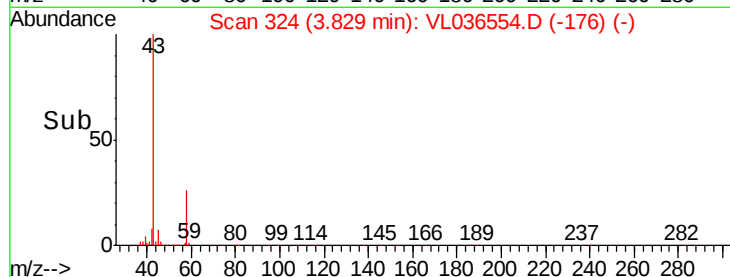
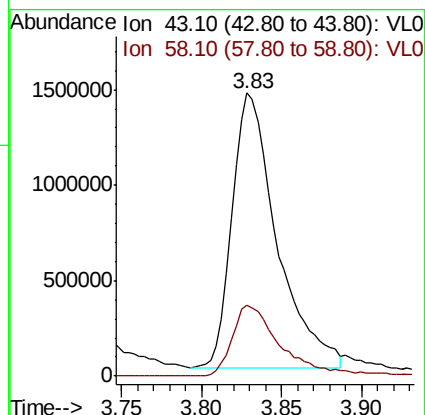
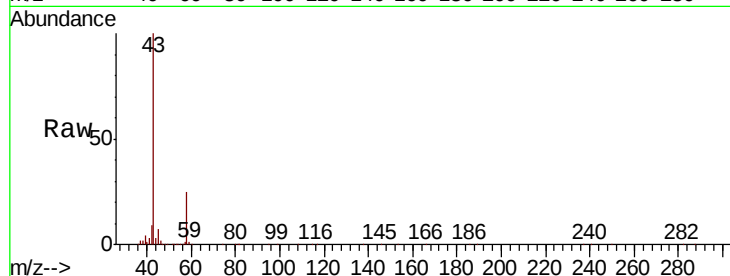
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2762539

Ion Ratio Lower Upper

43 100

58 28.6 21.2 31.8



#16

1,3-Butadiene

Concen: 0.113 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL036554.D

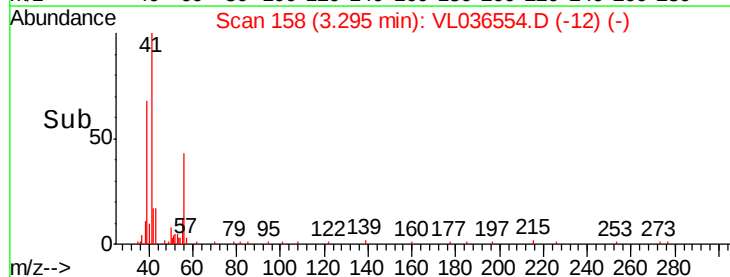
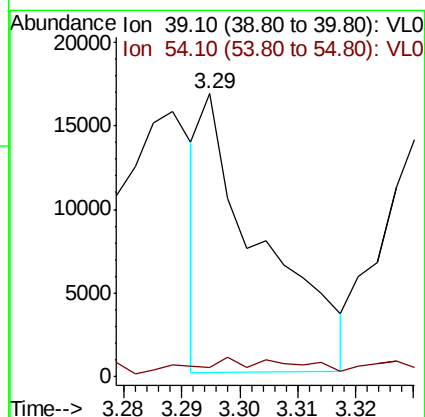
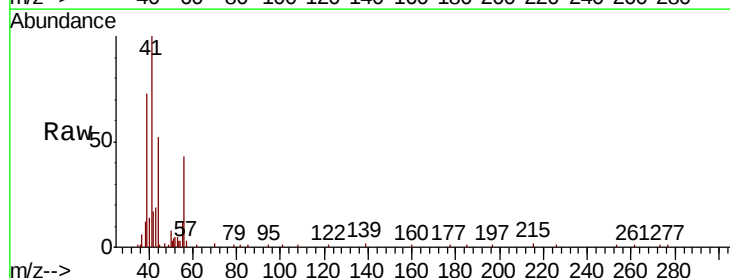
Acq: 30 Mar 2021 1:03

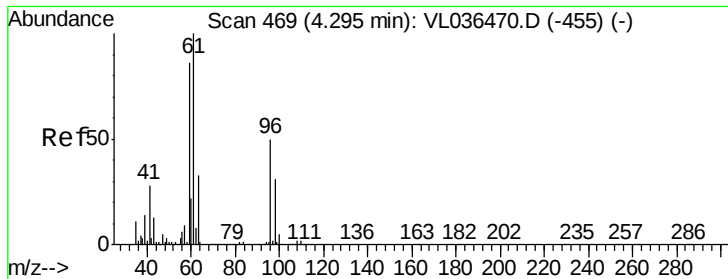
Tgt Ion: 39 Resp: 12020

Ion Ratio Lower Upper

39 100

54 26.3 58.8 88.2#



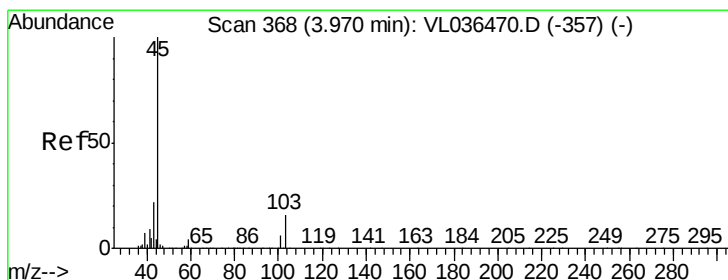
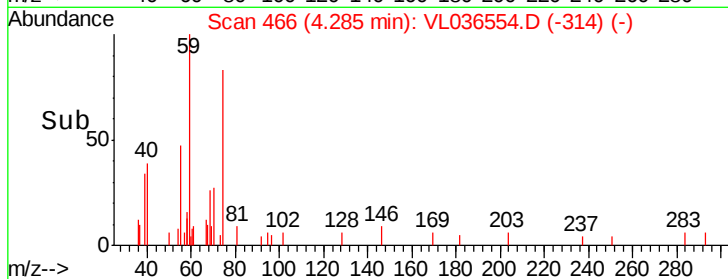
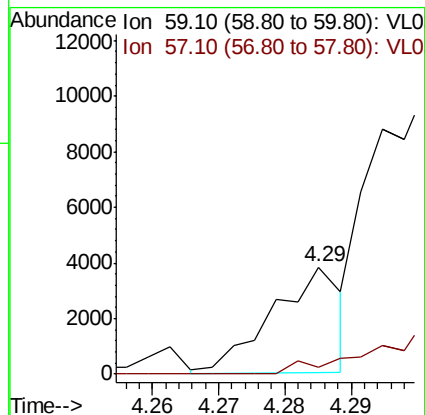
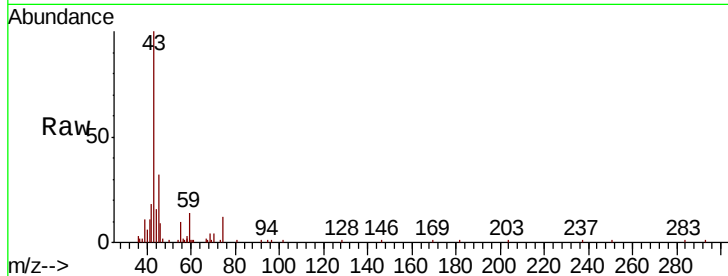


#17

tert-Butyl alcohol
 Concen: 0.021 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

Instrument :
 MSVOA_L
 ClientSampled :

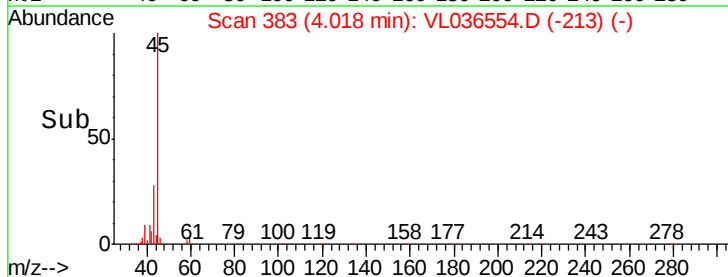
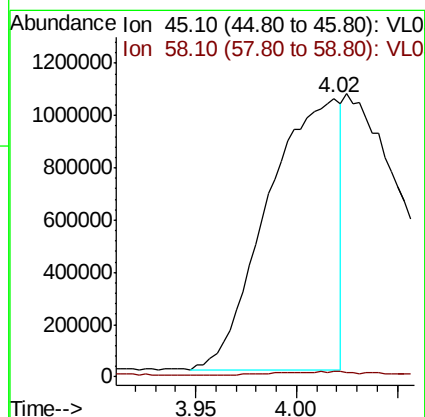
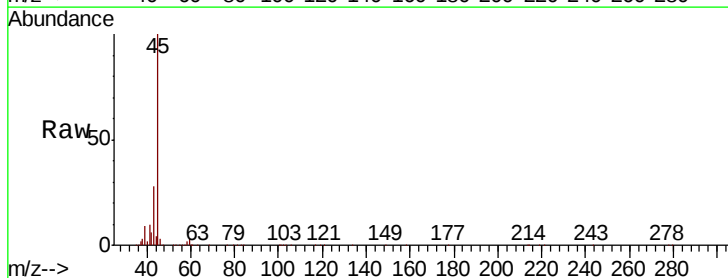
Tot Ion: 59 Resp: 2743
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

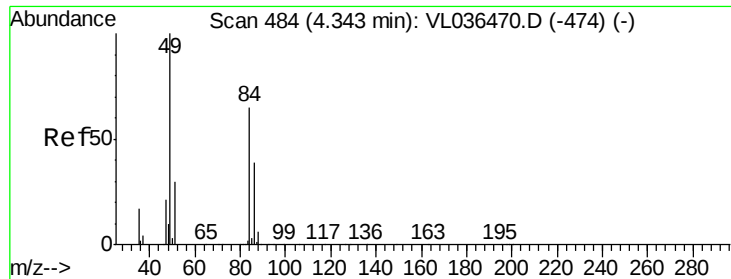


#19

Isopropyl Alcohol
 Concen: 30.654 ppbv
 RT: 4.02 min Scan# 383
 Delta R.T. 0.05 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

Tgt Ion: 45 Resp: 2582762
 Ion Ratio Lower Upper
 45 100
 58 4.2 2.9 4.3

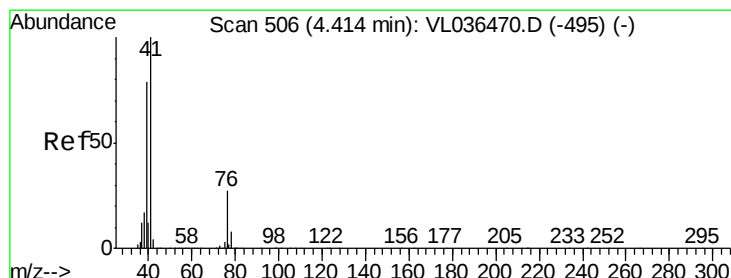
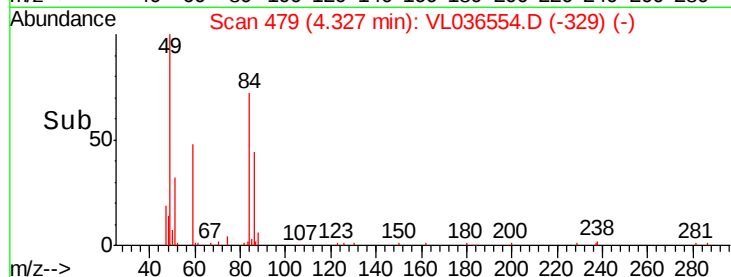
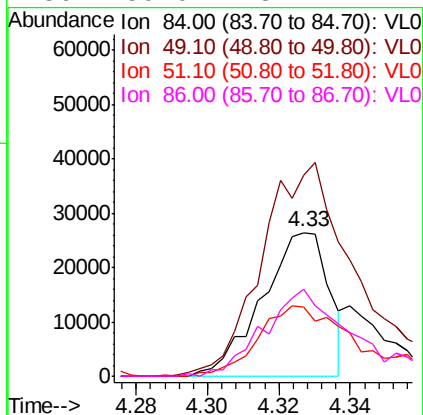
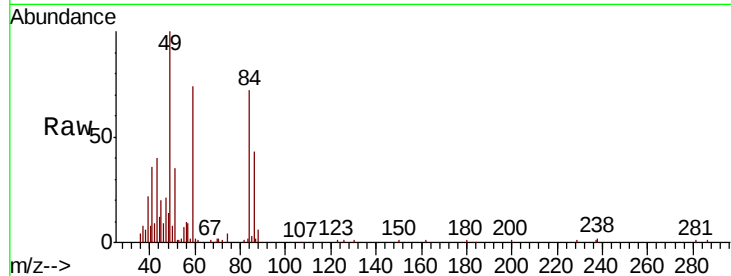




#20
Methylene Chloride
Concen: 0.478 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

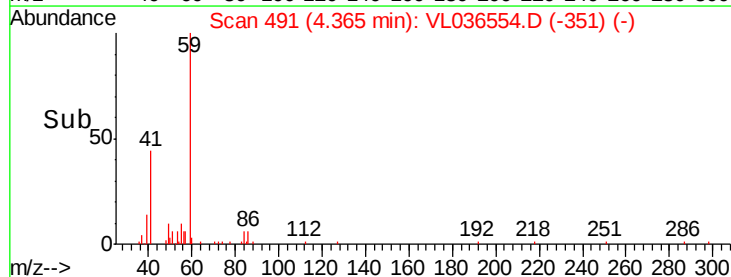
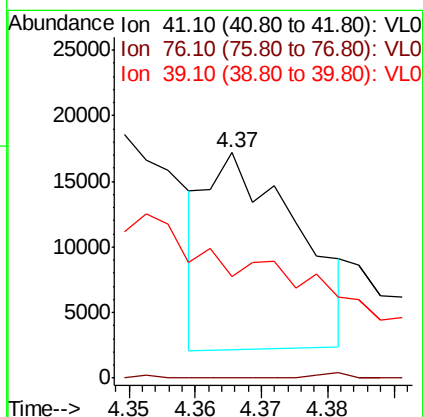
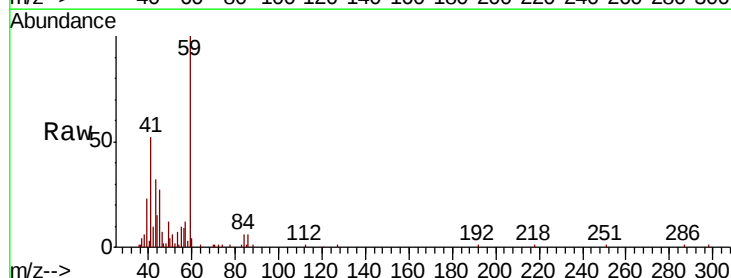
Instrument :
MSVOA_L
ClientSampled :

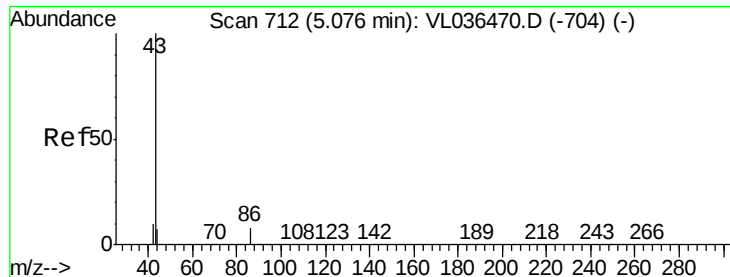
Tot Ion:	84	Resp:	34259
Ion	Ratio	Lower	Upper
84	100		
49	136.6	122.9	184.3
51	48.3	36.9	55.3
86	59.0	48.2	72.4



#21
Allyl Chloride
Concen: 0.117 ppbv
RT: 4.37 min Scan# 491
Delta R.T. -0.05 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

Tgt Ion:	41	Resp:	14330
Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.9	34.3#
39	0.0	67.3	100.9#





#23

Vinyl Acetate

Concen: 1.384 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 362508

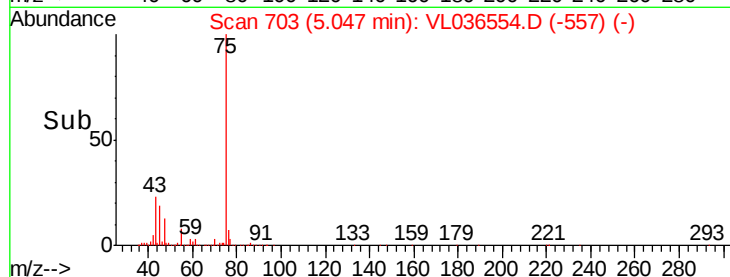
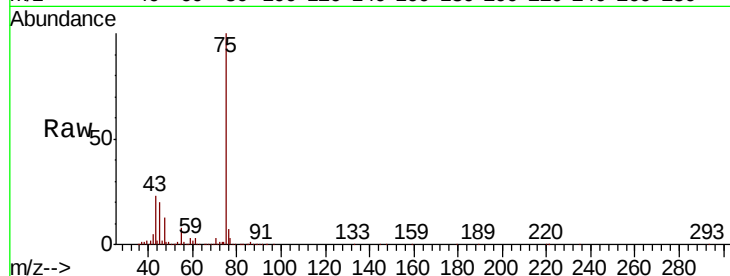
Ion Ratio Lower Upper

43 100

86 4.5 5.4 8.0#

42 21.0 8.5 12.7#

44 6.6 4.6 7.0

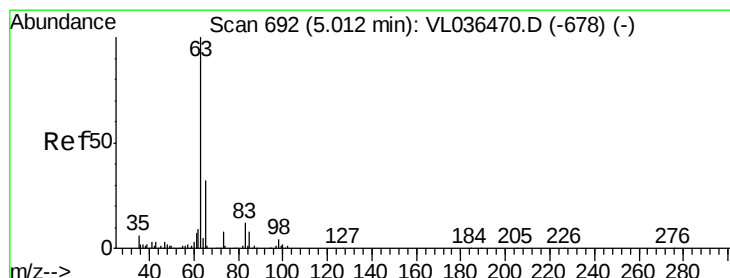
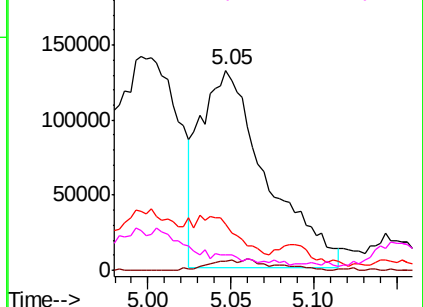


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.023 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

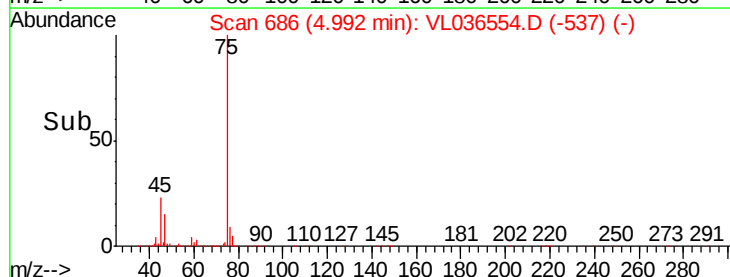
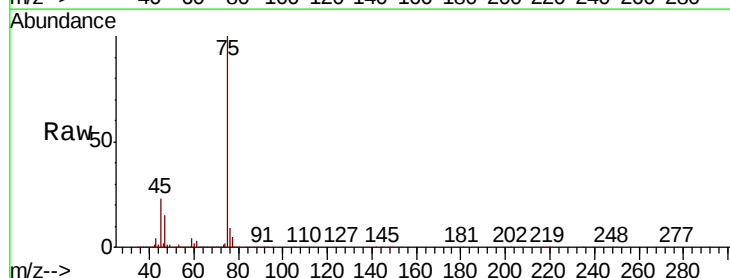
Tgt Ion: 63 Resp: 4465

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.2#

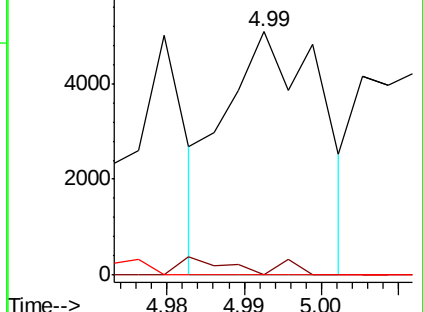
100 0.0 0.9 2.8#

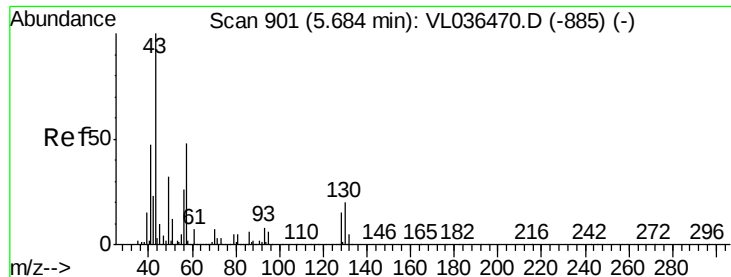


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

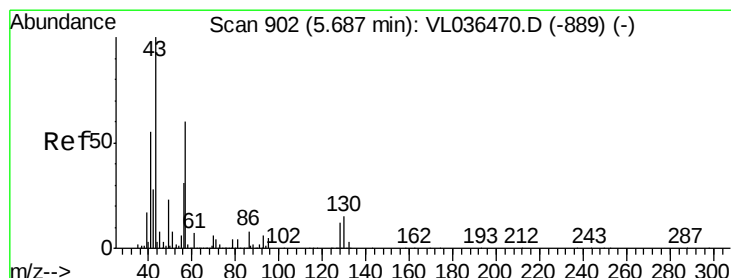
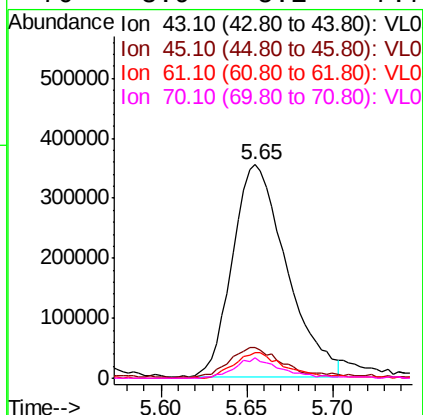
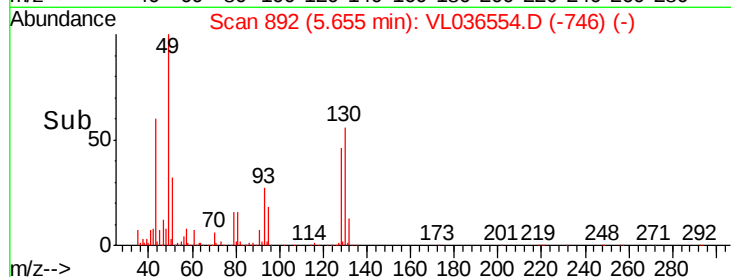
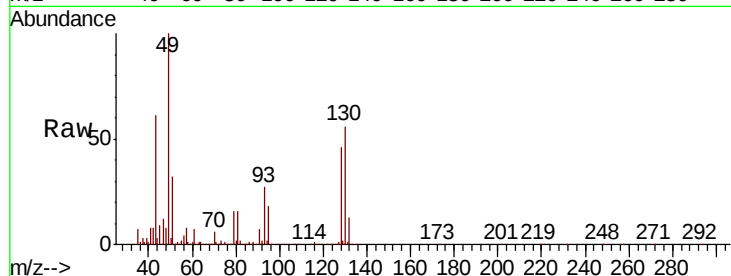




#25
Ethyl Acetate
Concen: 2.122 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.03 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

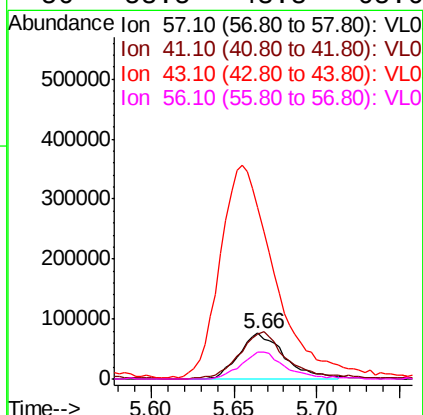
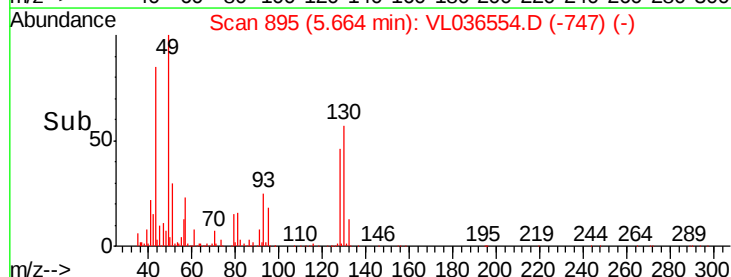
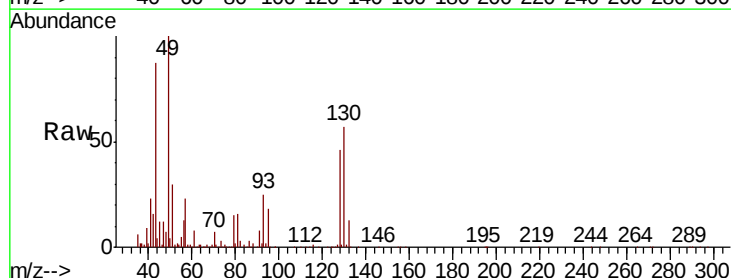
Instrument :
MSVOA_L
ClientSampled :

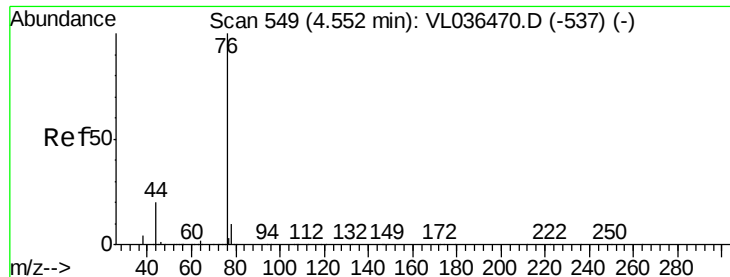
Tot Ion: 43 Resp: 772830
Ion Ratio Lower Upper
43 100
45 14.3 7.9 11.9#
61 11.9 7.4 11.2#
70 8.9 5.1 7.7#



#26
Hexane
Concen: 0.857 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

Tgt Ion: 57 Resp: 144856
Ion Ratio Lower Upper
57 100
41 106.6 77.2 115.8
43 564.7 173.8 260.6#
56 58.5 43.8 65.6





#27

Carbon Disulfide

Concen: 5.085 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.45 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

ClientSampleId :

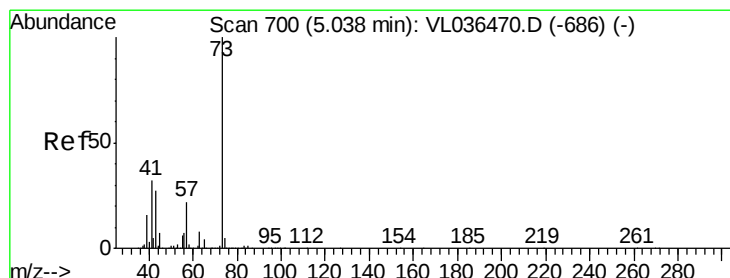
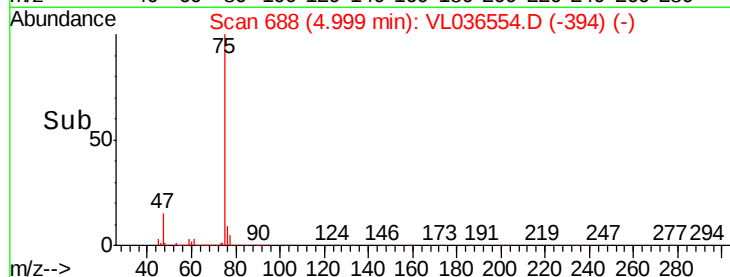
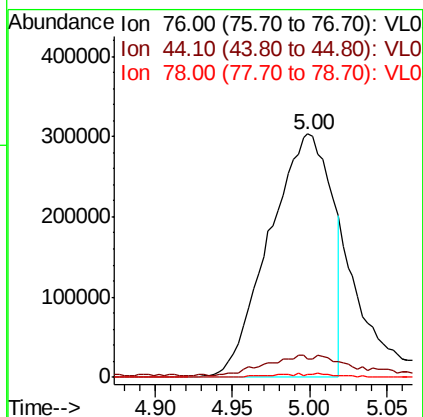
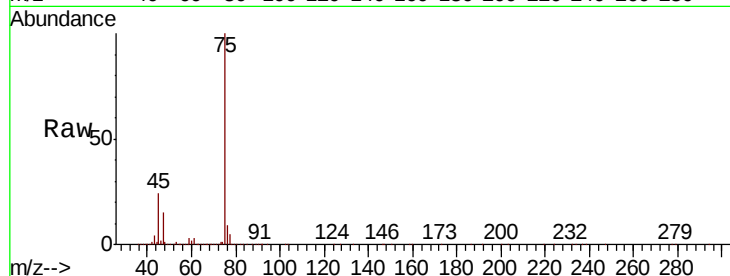
Tot Ion: 76 Resp: 846449

Ion Ratio Lower Upper

76 100

44 0.2 17.5 26.3#

78 0.0 8.6 13.0#



#28

Methyl tert-Butyl Ether

Concen: 0.345 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.04 min

Lab File: VL036554.D

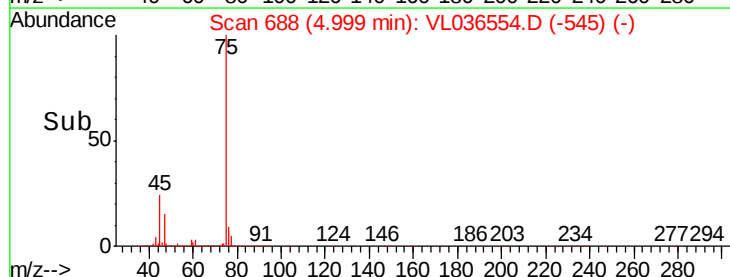
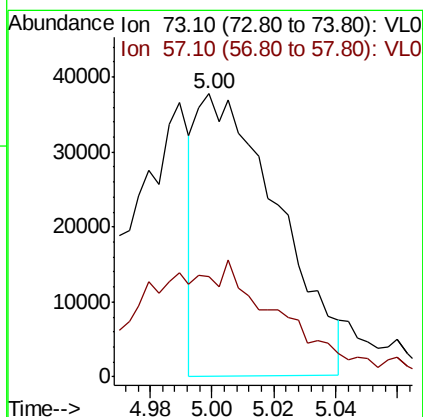
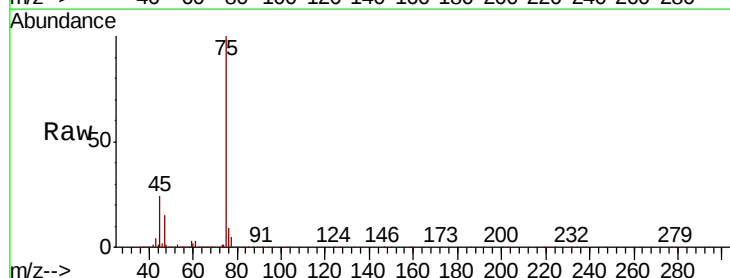
Acq: 30 Mar 2021 1:03

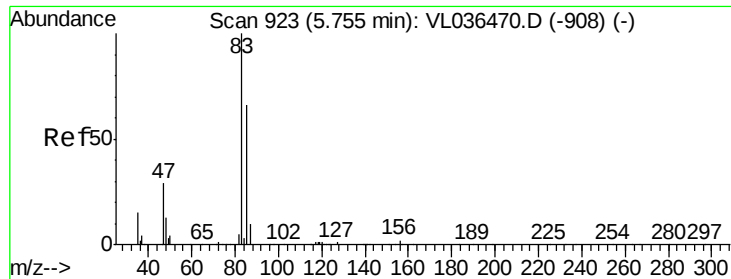
Tgt Ion: 73 Resp: 68760

Ion Ratio Lower Upper

73 100

57 74.7 18.5 27.7#





#29

Chloroform

Concen: 0.273 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

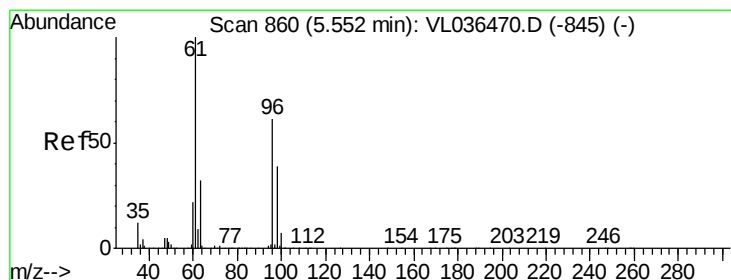
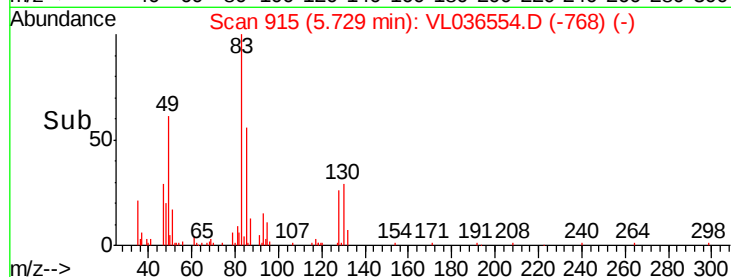
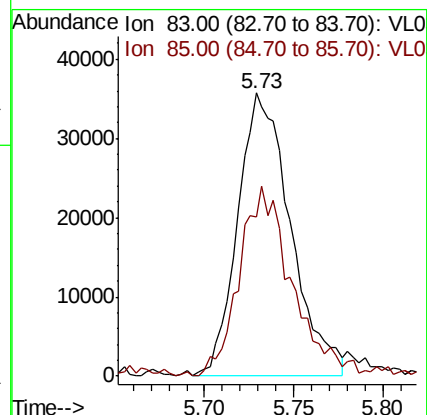
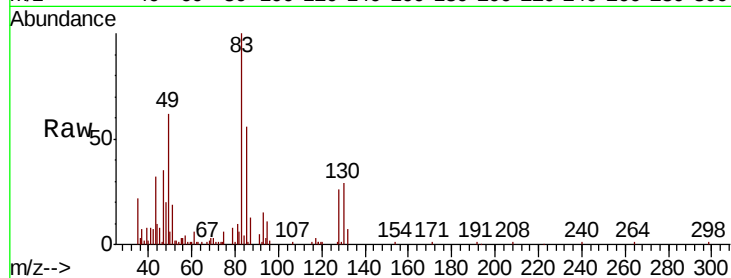
ClientSampleId :

Tot Ion: 83 Resp: 73770

Ion Ratio Lower Upper

83 100

85 56.2 52.6 78.8



#31

cis-1,2-Dichloroethene

Concen: 0.537 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.10 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

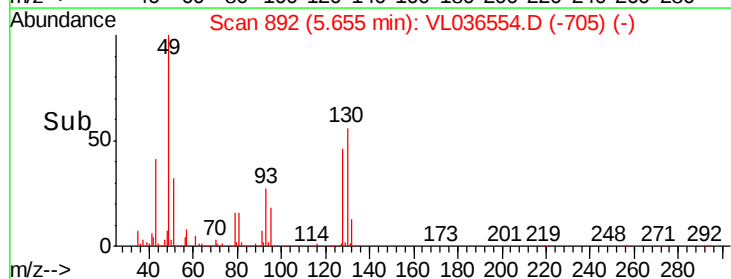
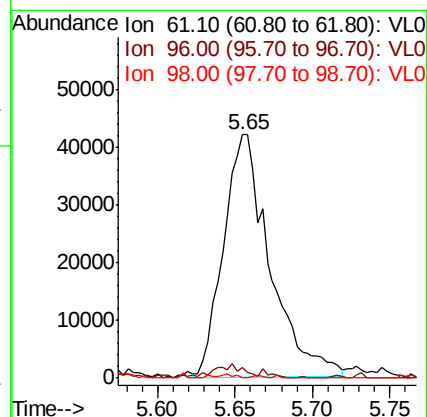
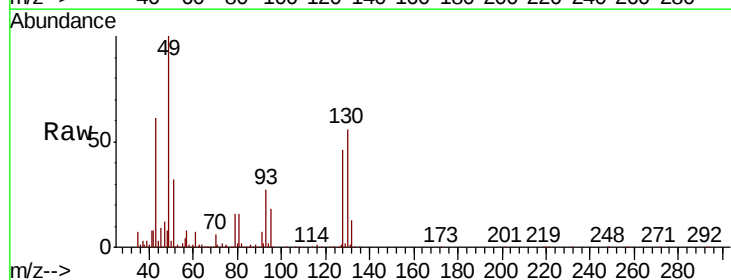
Tgt Ion: 61 Resp: 87729

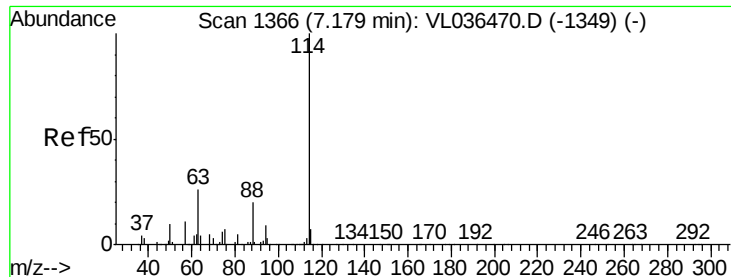
Ion Ratio Lower Upper

61 100

96 3.8 48.7 73.1#

98 0.0 31.4 47.0#



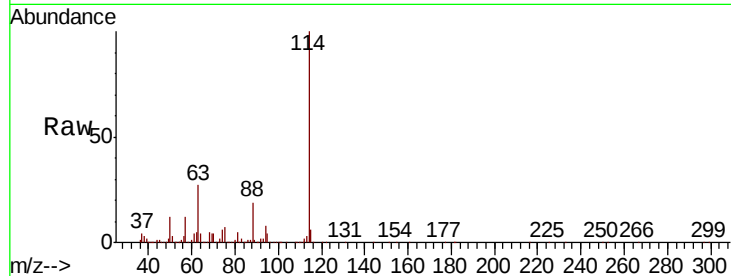


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

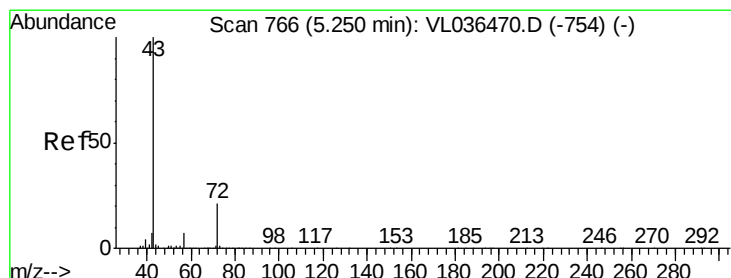
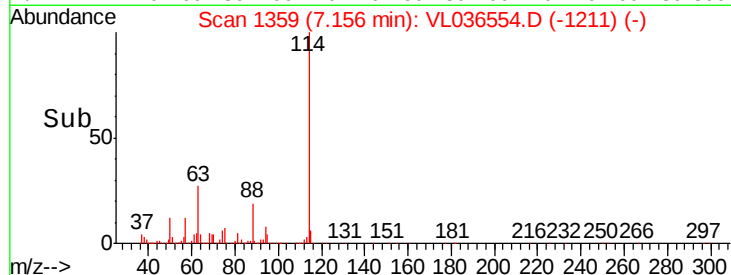
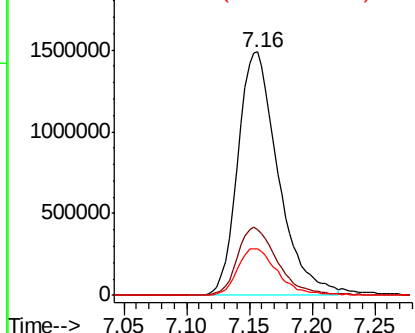
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3327484

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.4	33.6
88	19.3	15.4	23.0



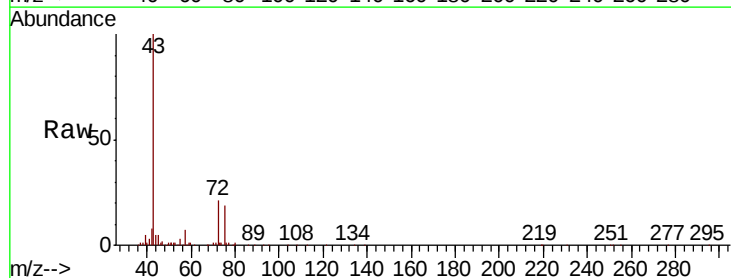
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



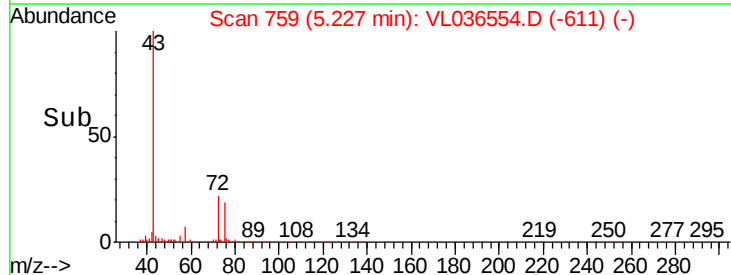
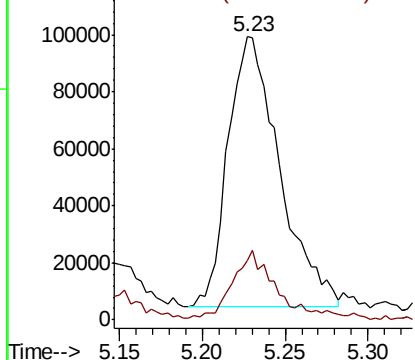
#34
 2-Butanone
 Concen: 1.267 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

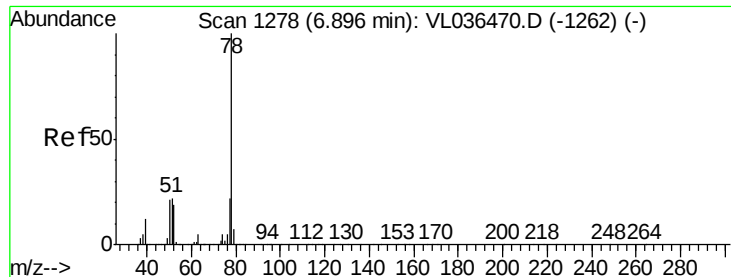
Tgt Ion: 43 Resp: 205852

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.0	25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.257 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :
MSVOA_L
ClientSampleId :

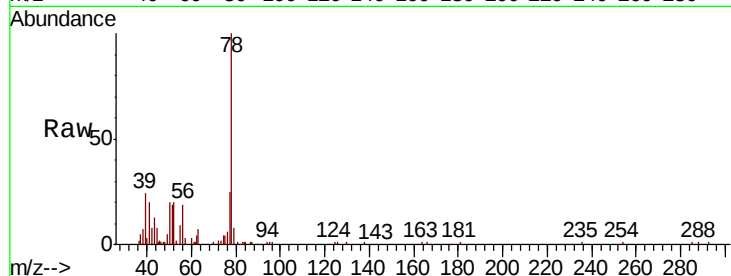
Tot Ion: 78 Resp: 78975

Ion Ratio Lower Upper

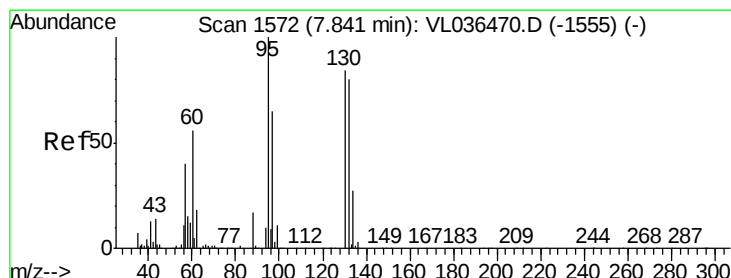
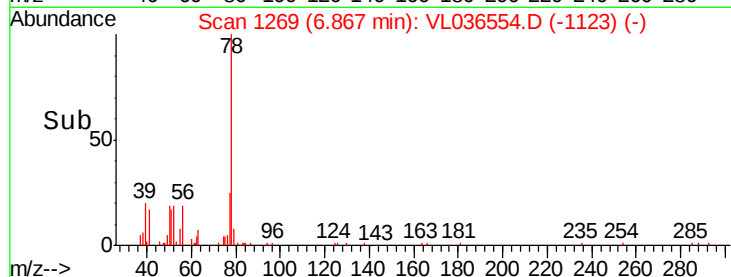
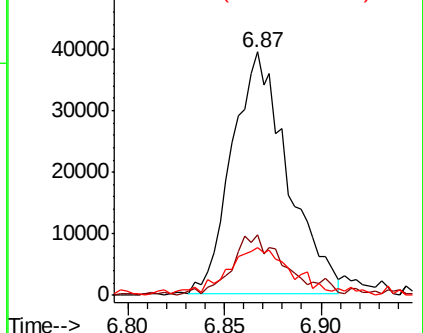
78 100

77 23.9 18.0 27.0

50 17.6 16.5 24.7



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



#38

Trichloroethene

Concen: 0.479 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Tgt Ion: 130 Resp: 57259

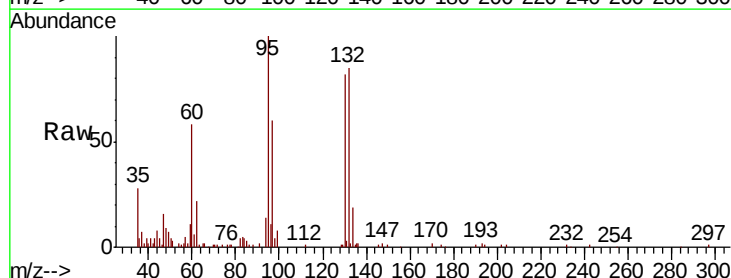
Ion Ratio Lower Upper

130 100

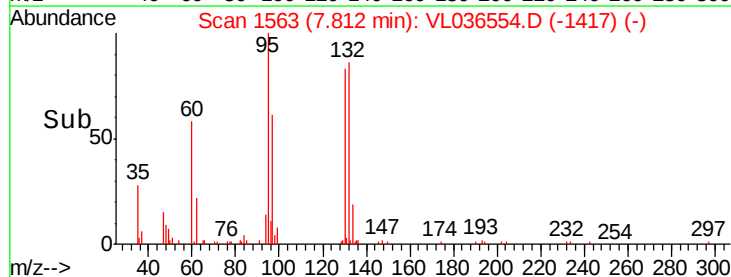
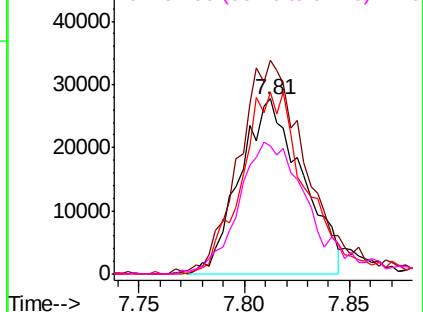
95 120.1 95.7 143.5

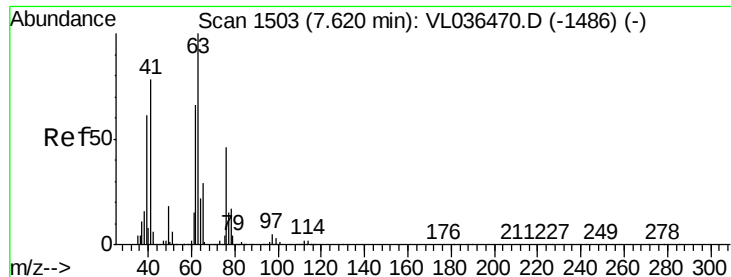
132 102.8 76.2 114.4

97 71.9 61.8 92.6



Abundance Ion 130.00 (129.70 to 130.70): V
Ion 95.00 (94.70 to 95.70): VL0
Ion 132.00 (131.70 to 132.70): V
Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 7.384 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.47 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

ClientSampleId :

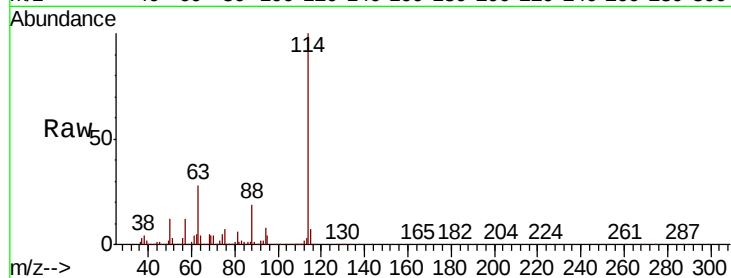
Tot Ion: 63 Resp: 919188

Ion Ratio Lower Upper

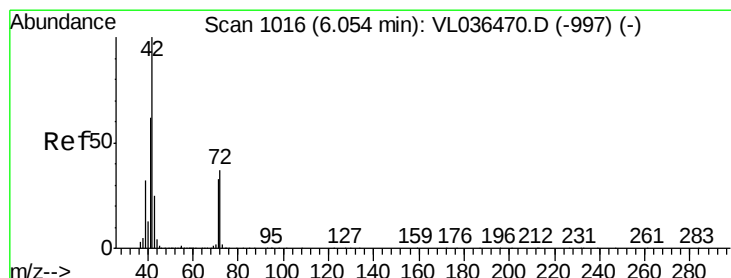
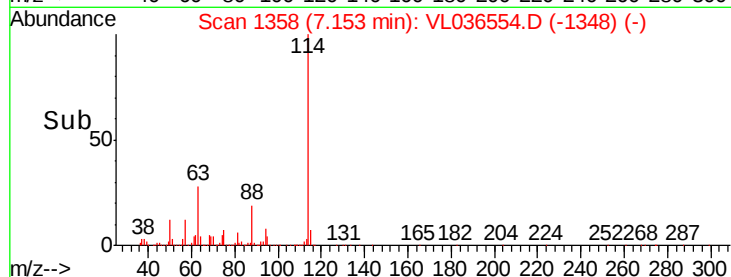
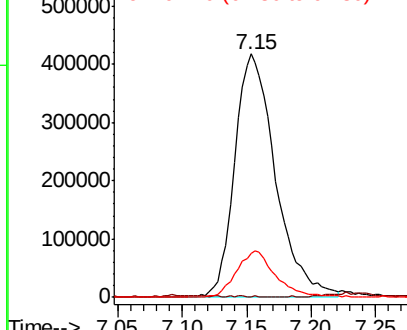
63 100

41 0.0 62.4 93.6#

62 18.2 52.8 79.2#



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: 0.083 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. -0.01 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

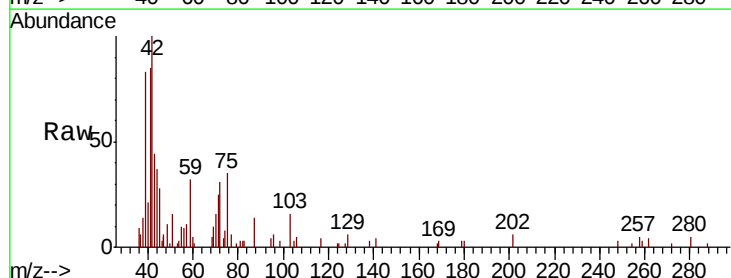
Tgt Ion: 42 Resp: 6200

Ion Ratio Lower Upper

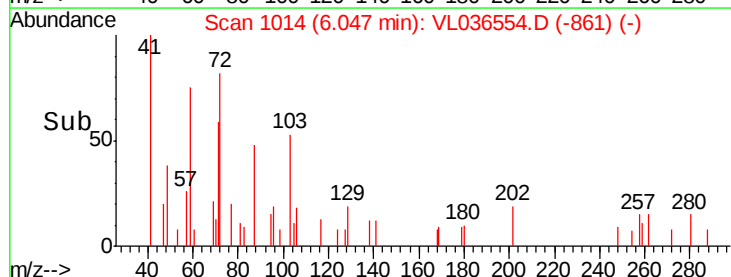
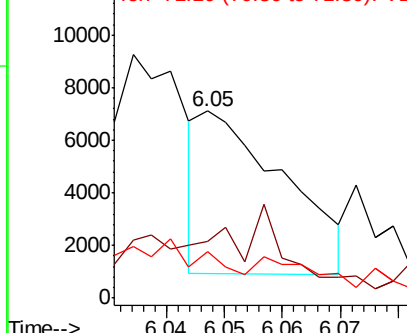
42 100

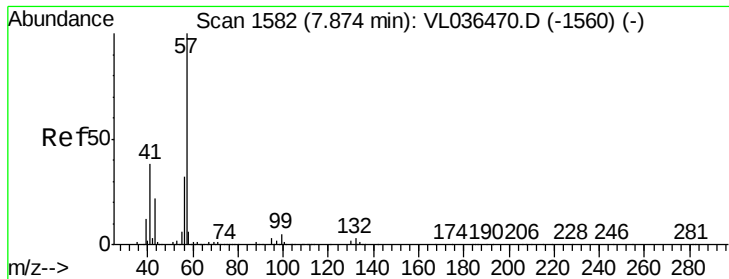
72 132.2 27.6 41.4#

71 0.0 27.0 40.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

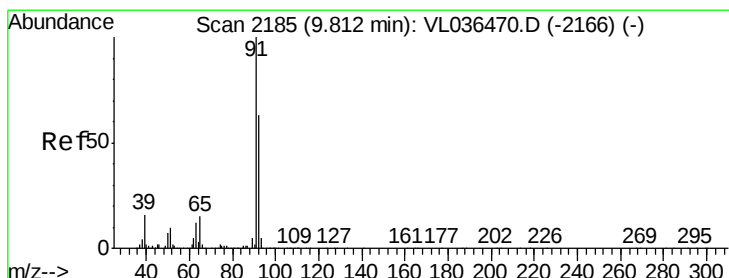
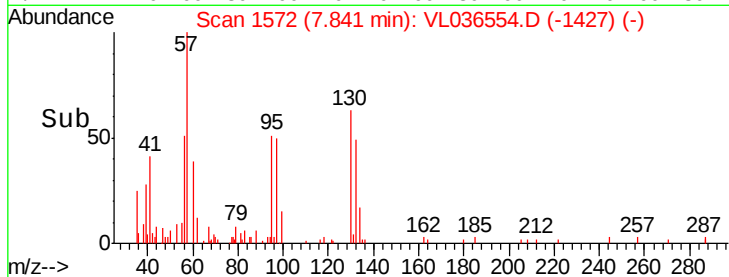
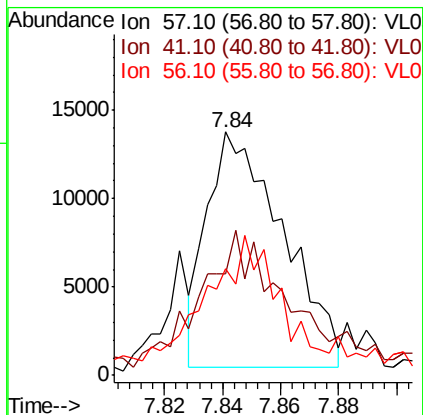
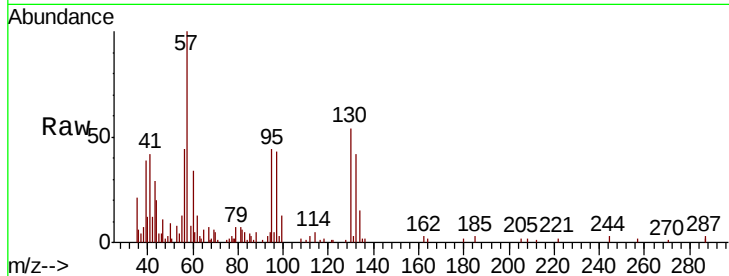




#44
 2,2,4-Trimethylpentane
 Concen: 0.045 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.03 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

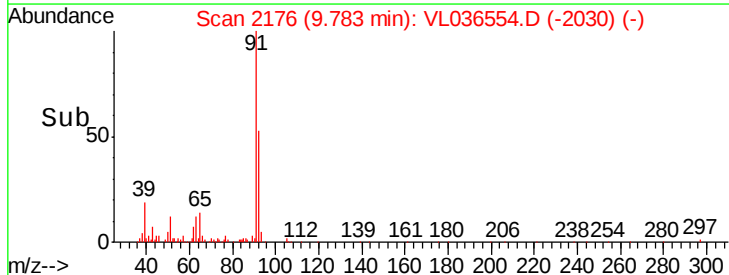
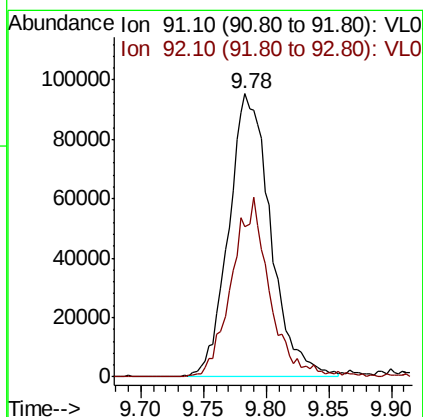
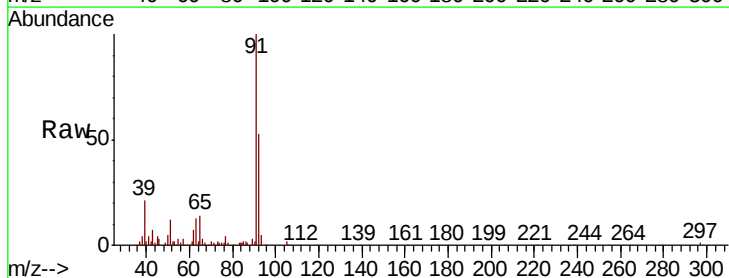
Instrument :
 MSVOA_L
 ClientSampleID :

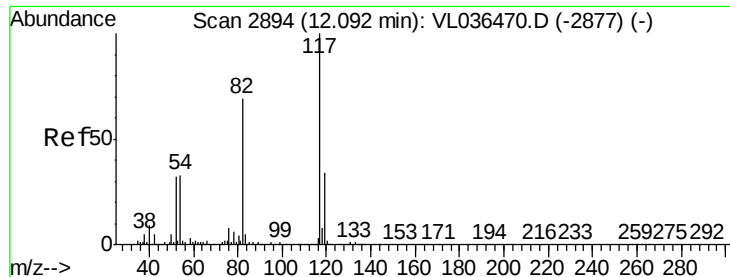
Tot Ion: 57 Resp: 24305
 Ion Ratio Lower Upper
 57 100
 41 68.0 28.8 43.2#
 56 73.2 26.1 39.1#



#53
 Toluene
 Concen: 0.670 ppbv
 RT: 9.78 min Scan# 2176
 Delta R.T. -0.03 min
 Lab File: VL036554.D
 Acq: 30 Mar 2021 1:03

Tgt Ion: 91 Resp: 218874
 Ion Ratio Lower Upper
 91 100
 92 58.1 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

ClientSampleId :

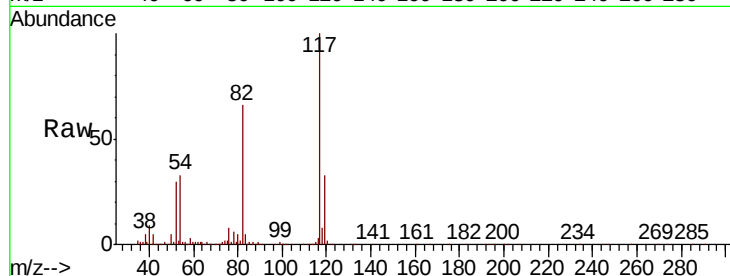
Tot Ion:117 Resp: 3171735

Ion Ratio Lower Upper

117 100

82 70.0 57.4 86.0

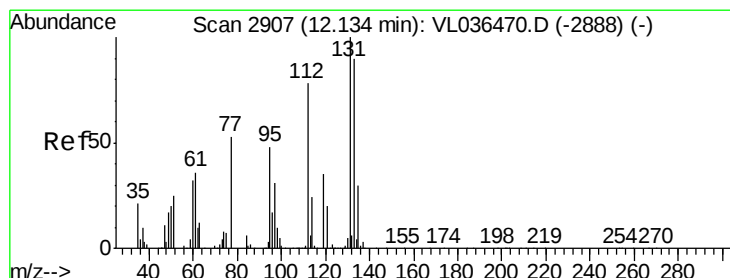
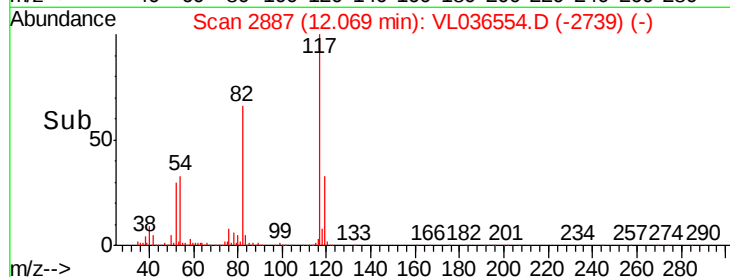
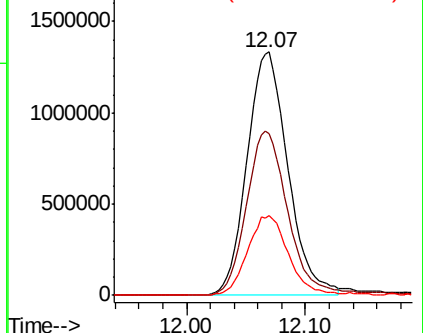
119 33.6 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.269 ppbv

RT: 11.67 min Scan# 2764

Delta R.T. -0.46 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

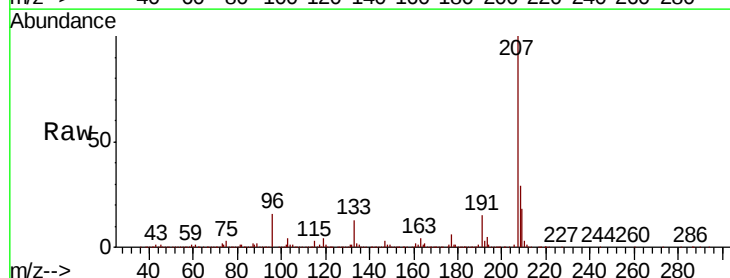
Tgt Ion:131 Resp: 38624

Ion Ratio Lower Upper

131 100

133 4493.2 75.8 113.6#

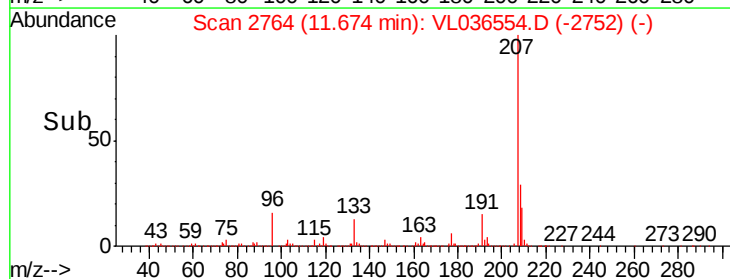
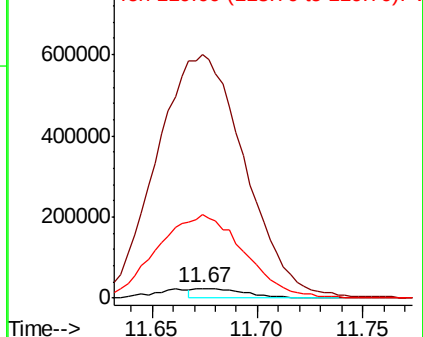
119 1517.1 48.7 73.1#

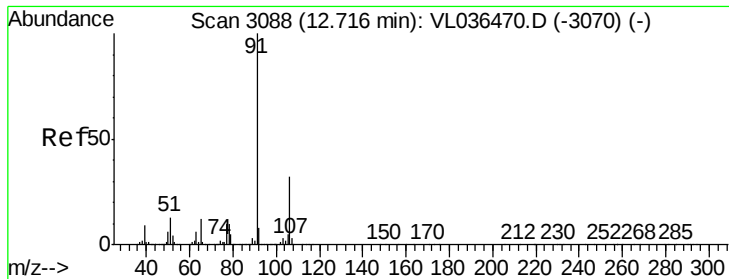


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#58

Ethyl Benzene

Concen: 0.140 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. 0.24 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

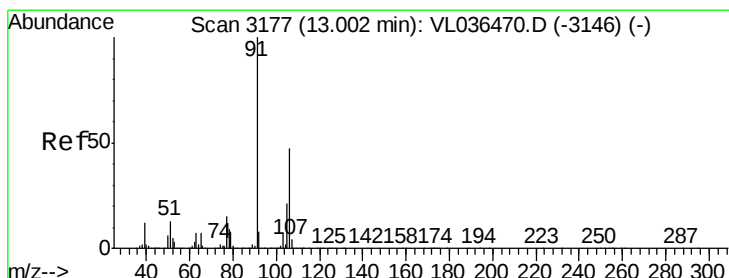
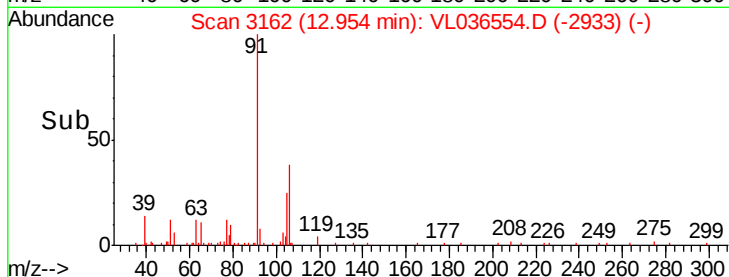
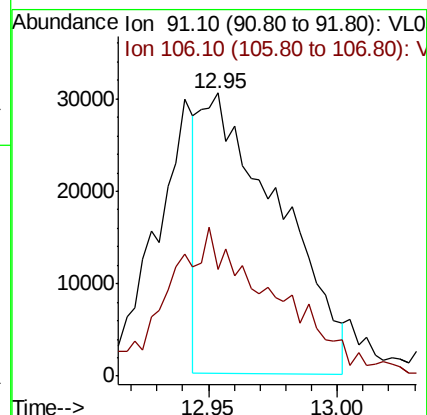
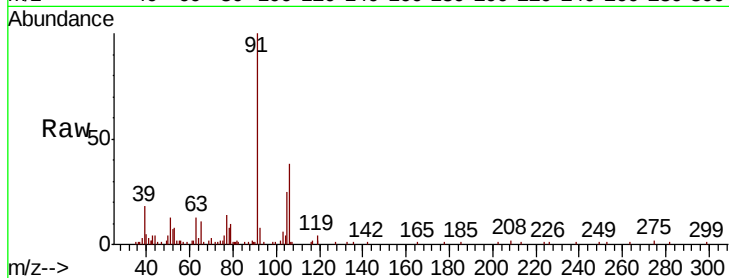
ClientSampleId :

Tot Ion: 91 Resp: 64558

Ion Ratio Lower Upper

91 100

106 30.9 25.3 37.9



#59

m/p-Xylene

Concen: 0.160 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. -0.05 min

Lab File: VL036554.D

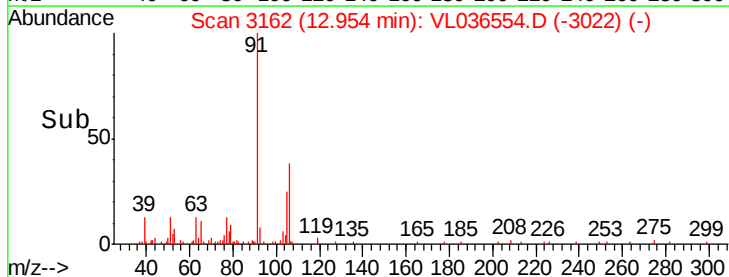
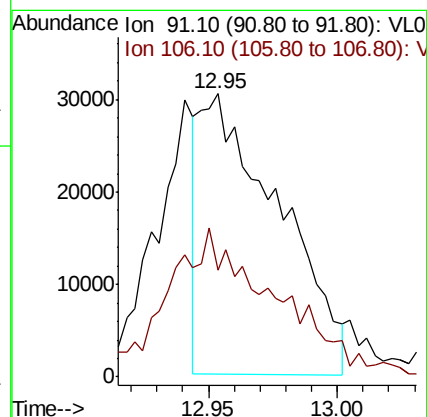
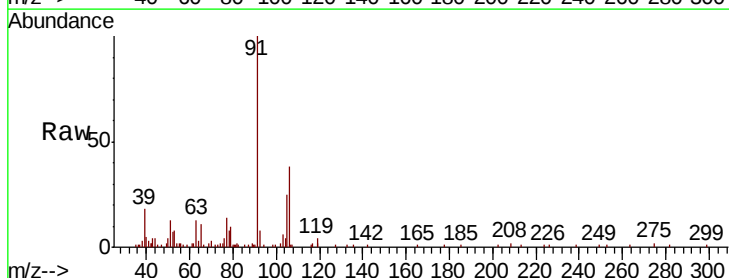
Acq: 30 Mar 2021 1:03

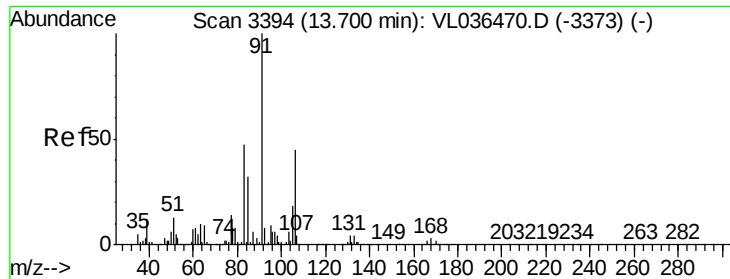
Tgt Ion: 91 Resp: 64558

Ion Ratio Lower Upper

91 100

106 76.3 35.3 52.9#

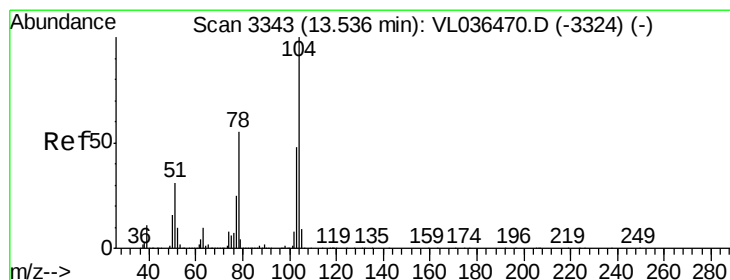
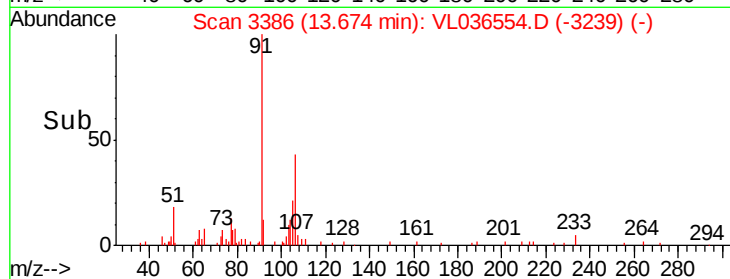
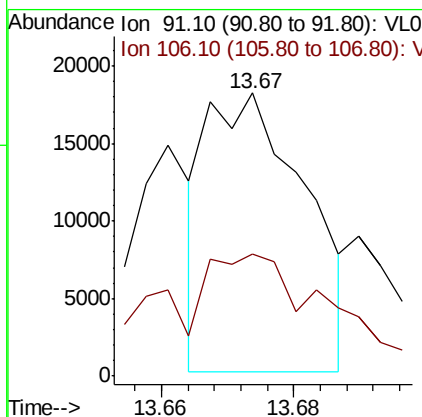
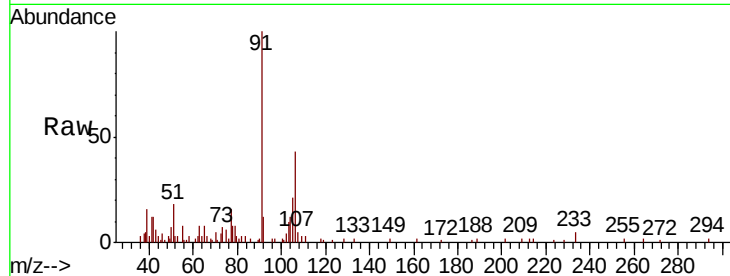




#60
o-Xylene
Concen: 0.048 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

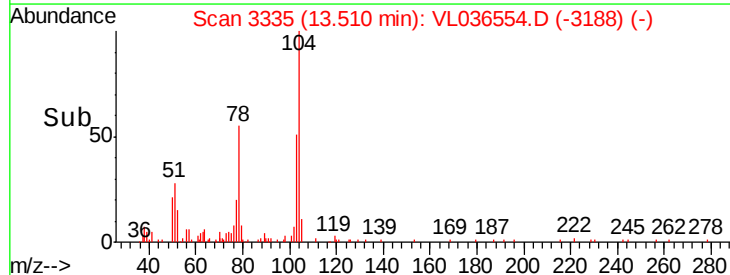
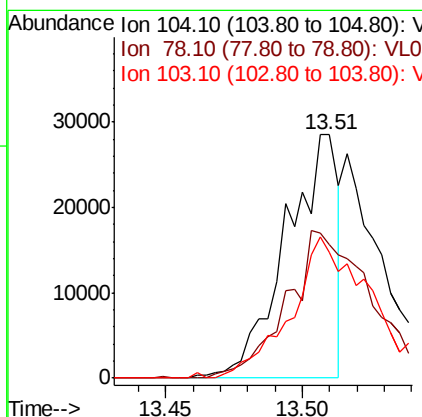
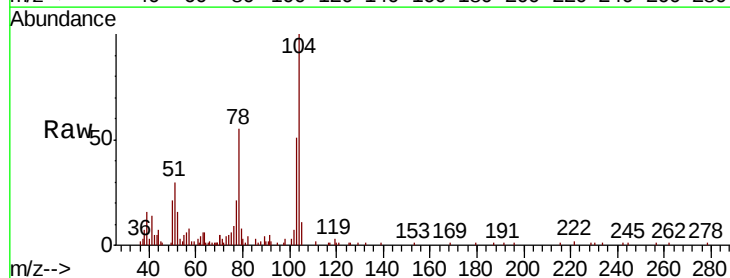
Instrument :
MSVOA_L
ClientSampled :

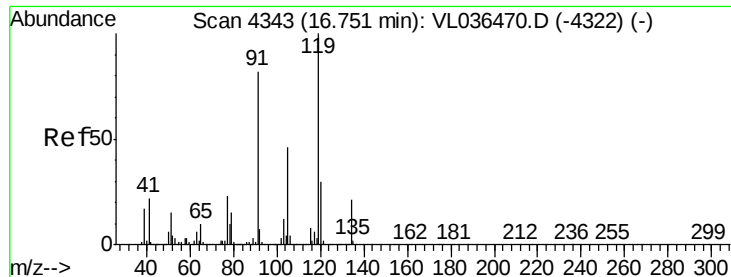
Tot Ion: 91 Resp: 18659
Ion Ratio Lower Upper
91 100
106 94.4 22.3 66.9#



#61
Styrene
Concen: 0.192 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.03 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

Tgt Ion: 104 Resp: 37566
Ion Ratio Lower Upper
104 100
78 113.4 43.8 65.8#
103 96.7 38.3 57.5#

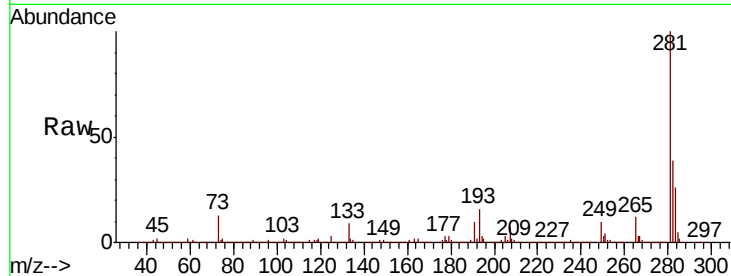




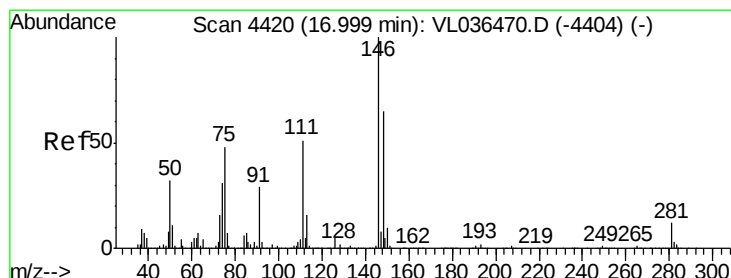
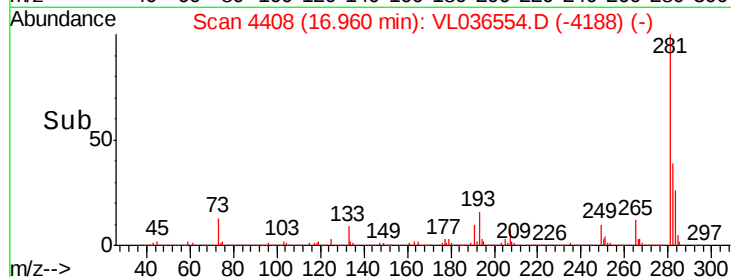
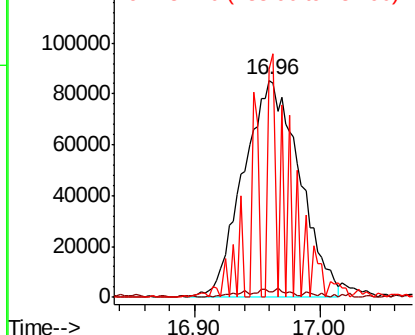
#65
tert-Butylbenzene
Concen: 0.582 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. 0.21 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 119 Resp: 264425
Ion Ratio Lower Upper
119 100
91 2.9 67.5 101.3#
134 47.9 15.8 23.8#

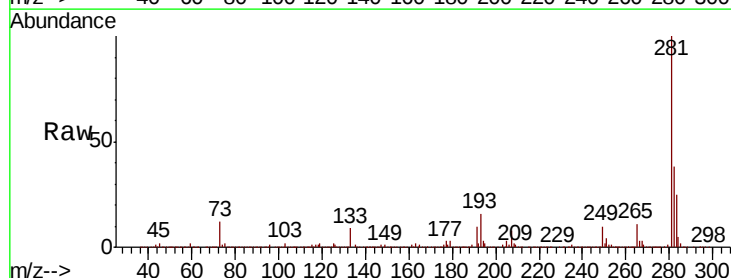


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

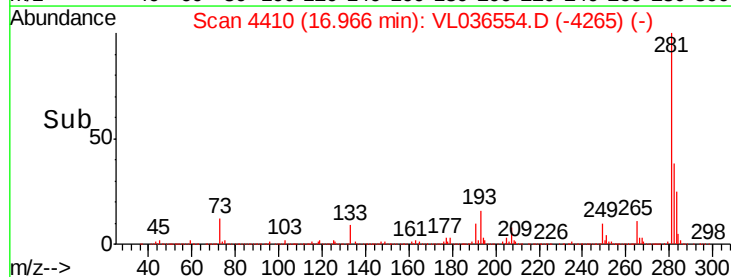
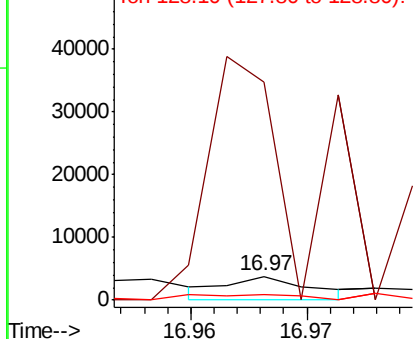


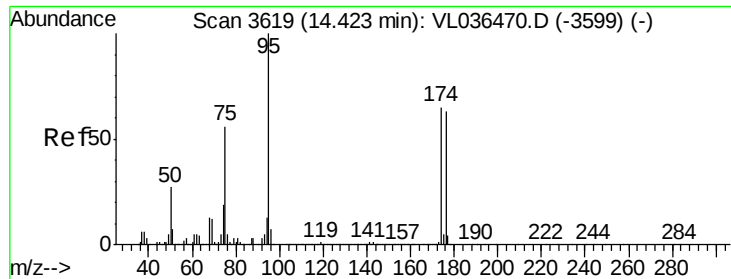
#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.03 min
Lab File: VL036554.D
Acq: 30 Mar 2021 1:03

Tgt Ion: 91 Resp: 1927
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 0.0 4.2 6.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.924 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

ClientSampled :

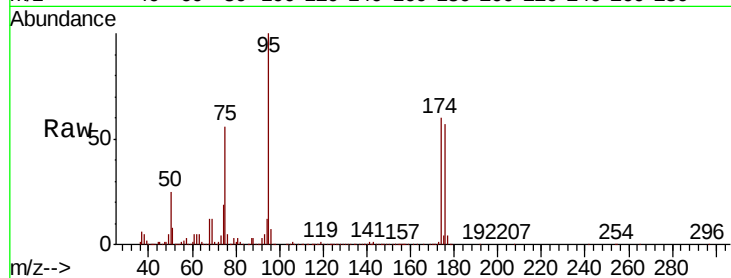
Tot Ion: 95 Resp: 2508755

Ion Ratio Lower Upper

95 100

174 63.8 51.0 76.6

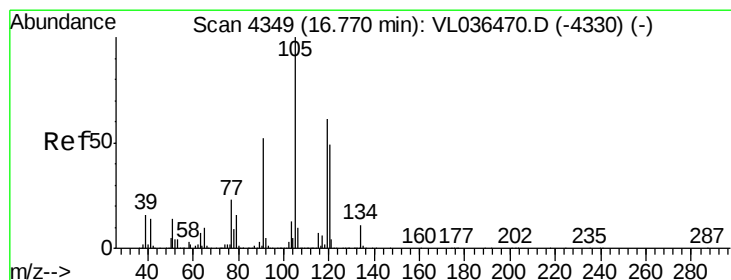
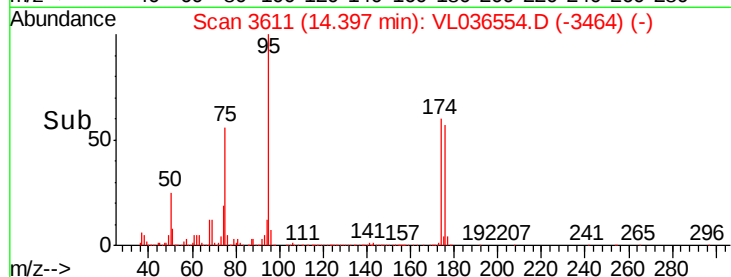
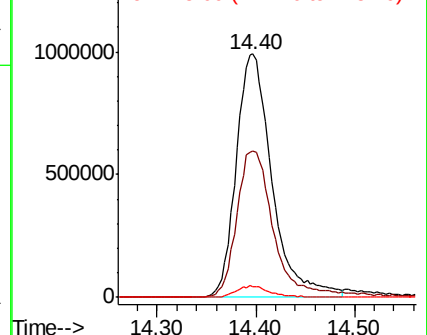
175 4.6 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.089 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Tgt Ion: 105 Resp: 37917

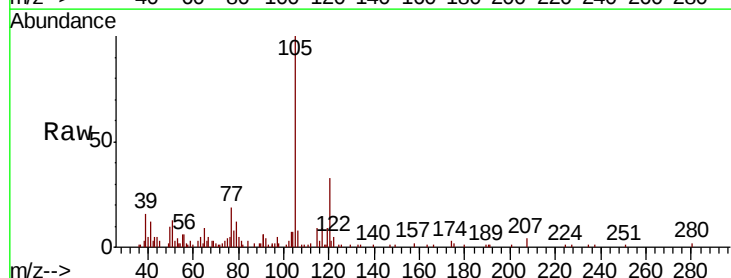
Ion Ratio Lower Upper

105 100

120 31.0 39.2 58.8#

91 10.3 42.6 64.0#

77 19.4 18.6 28.0

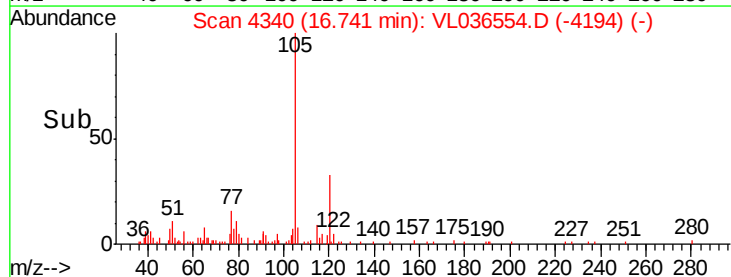
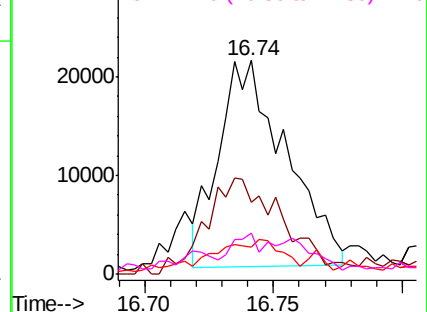


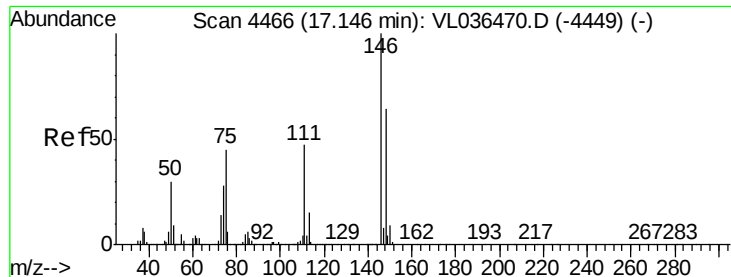
Abundance Ion 105.10 (104.80 to 105.80): V

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





#76

1,4-Dichlorobenzene

Concen: 0.267 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.03 min

Lab File: VL036554.D

Acq: 30 Mar 2021 1:03

Instrument :

MSVOA_L

ClientSampleId :

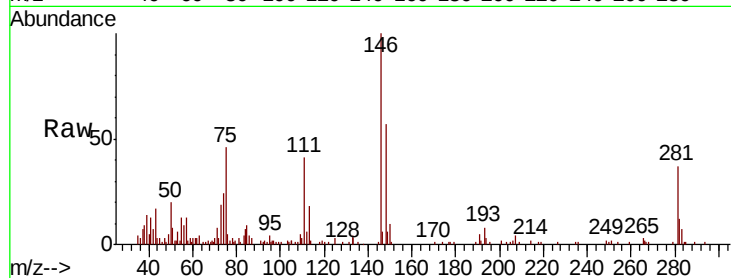
Tot Ion:146 Resp: 63542

Ion Ratio Lower Upper

146 100

111 61.1 24.3 72.8

148 83.6 33.0 98.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

