

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036229.D
 Acq On : 13 Jan 2021 17:27
 Operator : SY/AP
 Sample : M1066-03
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS3

Quant Time: Jan 13 22:08:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1491351	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3321531	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	2892552	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2384759	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	30512	0.151	ppbv 98
3) Chlorodifluoromethane	2.99	51	64847	0.350	ppbv 95
4) Chloromethane	3.14	50	31162	0.341	ppbv 90
9) Propene	3.01	41	235473	2.670	ppbv 94
10) Heptane	8.13	43	31101	0.142	ppbv # 45
11) Trichlorofluoromethane	3.96	101	11158	0.056	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4931	0.040	ppbv # 3
13) Ethanol	3.64	45	1805409	97.521	ppbv 85
15) Acetone	3.85	43	4630154	26.141	ppbv 98
16) 1,3-Butadiene	3.31	39	377636	4.474	ppbv # 27
17) tert-Butyl alcohol	4.32	59	372173	2.565	ppbv 99
19) Isopropyl Alcohol	4.01	45	105735	1.033	ppbv # 1
20) Methylene Chloride	4.35	84	2030314	37.432	ppbv 96
23) Vinyl Acetate	5.07	43	11052	0.050	ppbv # 1
24) 1,1-Dichloroethane	5.01	63	346413	2.186	ppbv 97
25) Ethyl Acetate	5.69	43	1963814	5.445	ppbv # 77
26) Hexane	5.69	57	2633267	17.458	ppbv # 36
27) Carbon Disulfide	4.55	76	8639	0.071	ppbv # 23
28) Methyl tert-Butyl Ether	5.05	73	7798	0.038	ppbv # 50
29) Chloroform	5.76	83	72422	0.328	ppbv 97
30) Cyclohexane	7.14	84	5057	0.043	ppbv # 1
32) 1,1,1-Trichloroethane	6.52	97	1728626	8.122	ppbv 99
34) 2-Butanone	5.25	43	345888	1.634	ppbv 95
36) Benzene	6.90	78	120092	0.395	ppbv 98
38) Trichloroethene	7.84	130	12562	0.110	ppbv # 54
39) 1,2-Dichloropropane	7.18	63	951554	7.701	ppbv # 22
41) Tetrahydrofuran	6.32	42	31559	0.254	ppbv # 40
44) 2,2,4-Trimethylpentane	7.88	57	19122	0.034	ppbv # 1
51) 2-Hexanone	10.12	43	81223	0.294	ppbv # 32
52) Tetrachloroethene	11.23	164	122807	1.095	ppbv 92
53) Toluene	9.81	91	422629	1.254	ppbv 98
58) Ethyl Benzene	12.72	91	108552	0.253	ppbv 96
59) m/p-Xylene	13.00	91	75239	0.204	ppbv # 33
60) o-Xylene	13.70	91	51219	0.144	ppbv # 14
64) n-propylbenzene	15.56	120	3946	0.030	ppbv # 1
72) 4-Ethyltoluene	15.85	105	21763	0.054	ppbv # 1
73) 1,3,5-Trimethylbenzene	16.02	105	17049	0.045	ppbv # 67
74) 1,2,4-Trimethylbenzene	16.77	105	184249	0.470	ppbv # 69
79) Naphthalene	22.21	128	7169	0.032	ppbv # 51

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

Quant Time: Jan 13 22:08:27 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
QLast Update : Wed Jan 13 07:53:51 2021
Response via : Initial Calibration

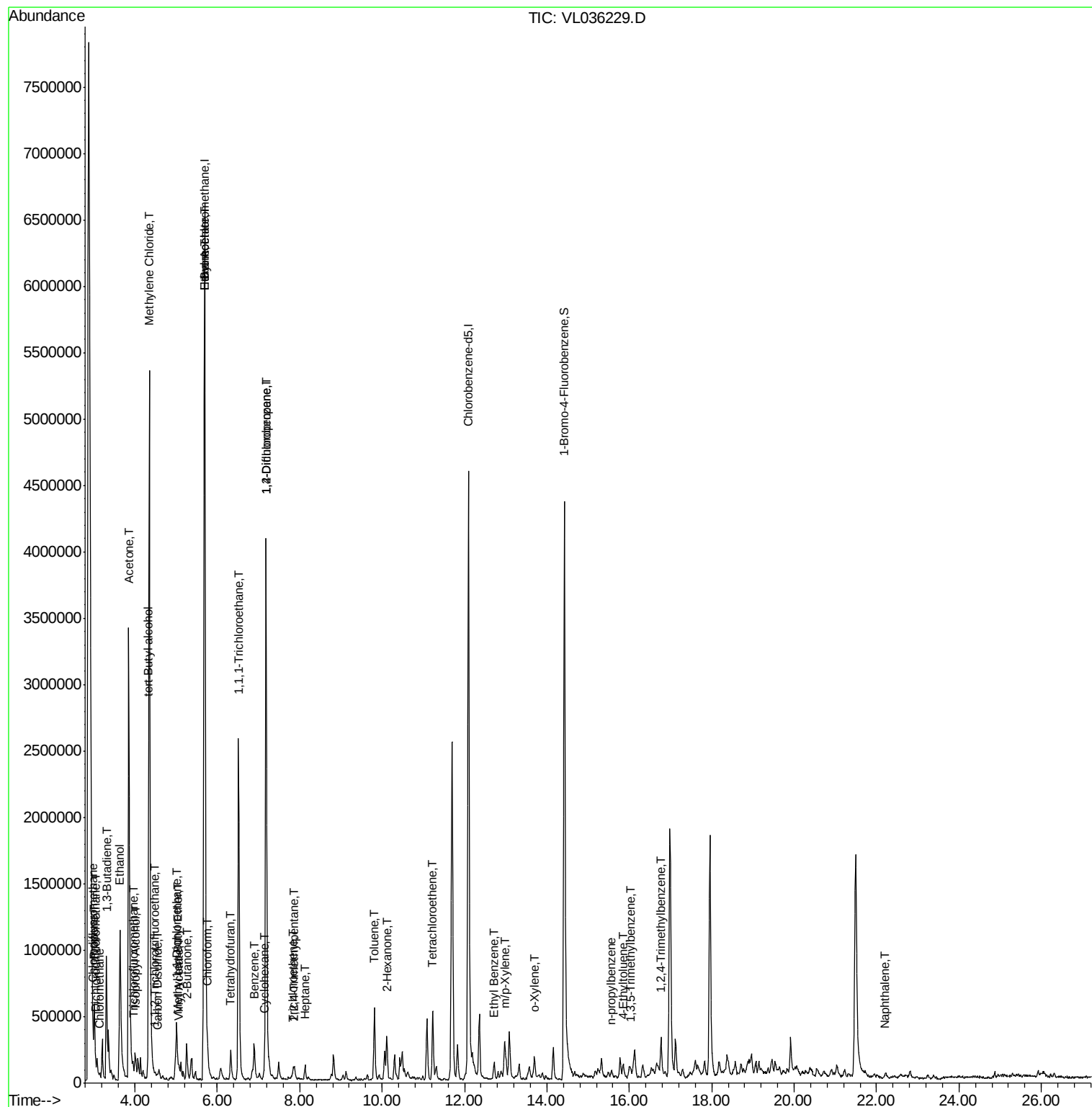
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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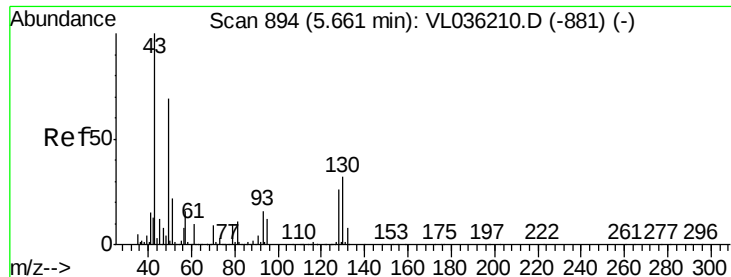
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\
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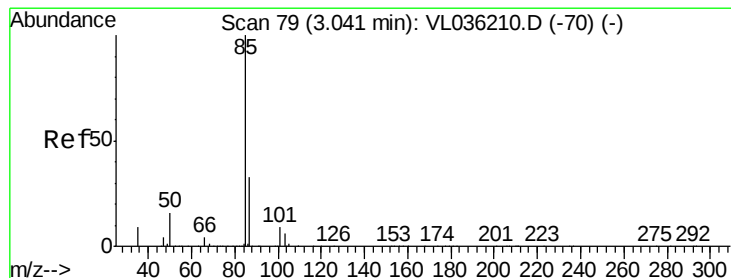
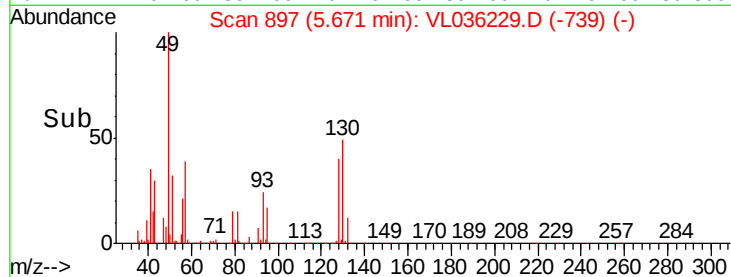
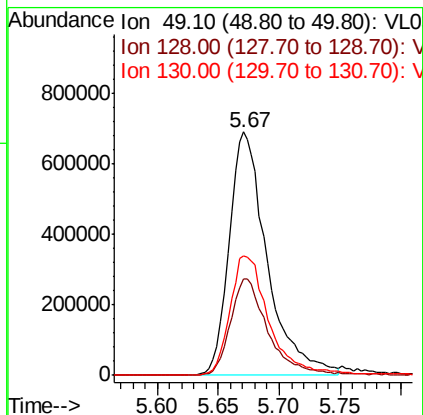
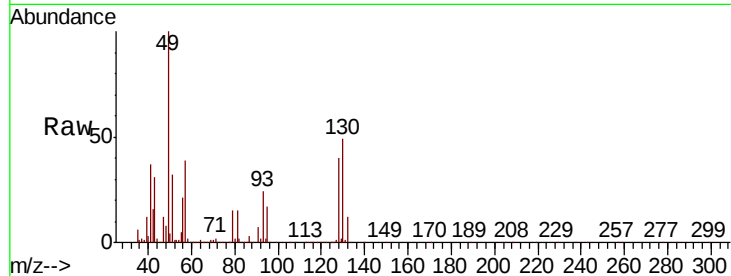


#1

Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

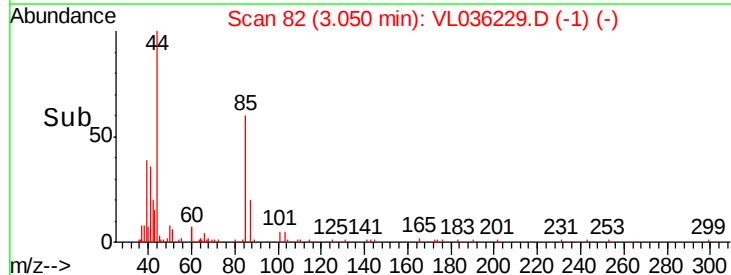
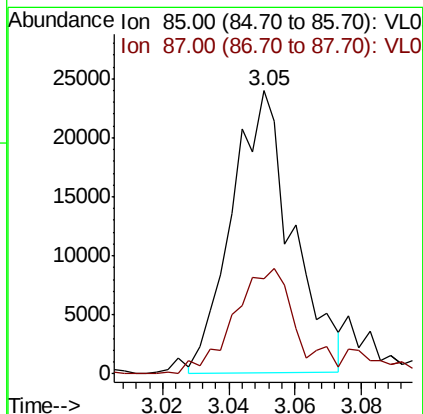
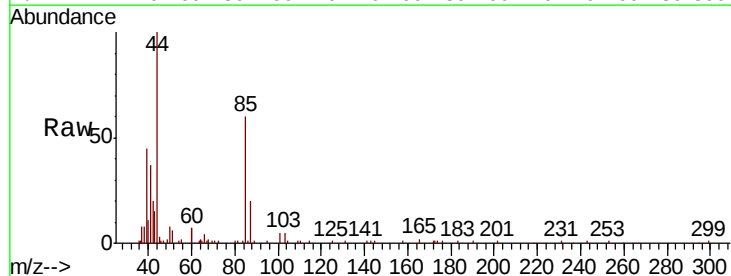
Tot Ion: 49 Resp: 1491351
Ion Ratio Lower Upper
49 100
128 40.3 20.1 60.2
130 51.7 25.3 75.9

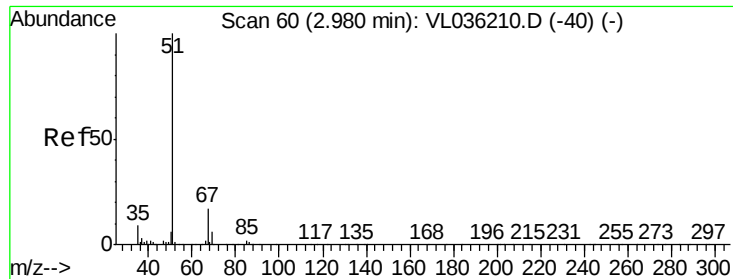


#2

Dichlorodifluoromethane
Concen: 0.151 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Tgt Ion: 85 Resp: 30512
Ion Ratio Lower Upper
85 100
87 31.9 26.4 39.6

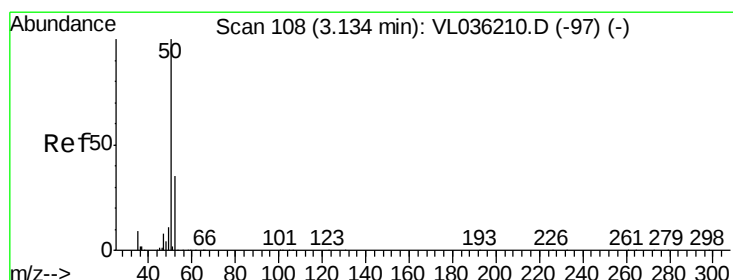
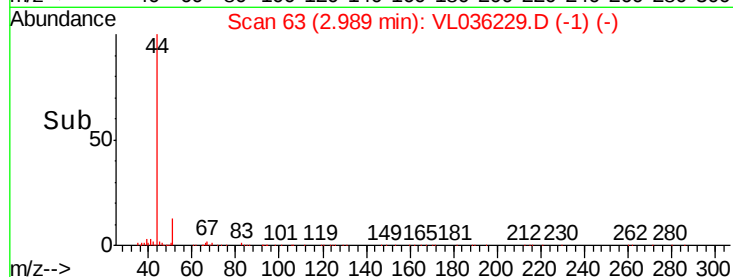
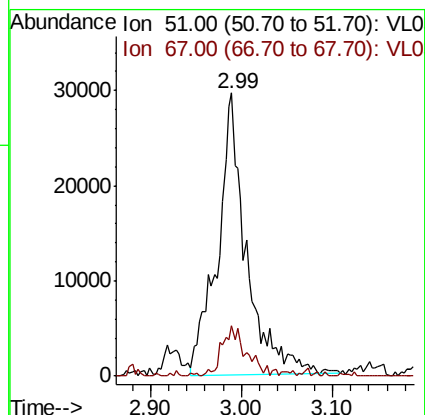
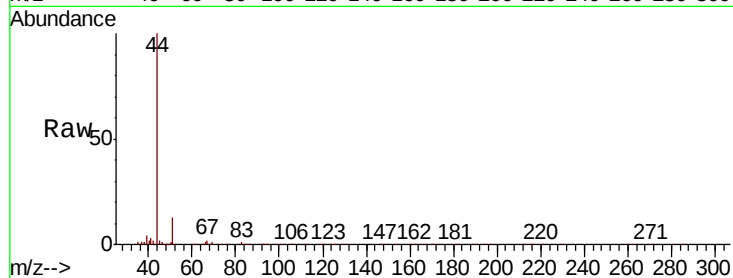




#3
 Chlorodifluoromethane
 Concen: 0.350 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.01 min
 Lab File: VL036229.D
 Acq: 13 Jan 2021 17:27

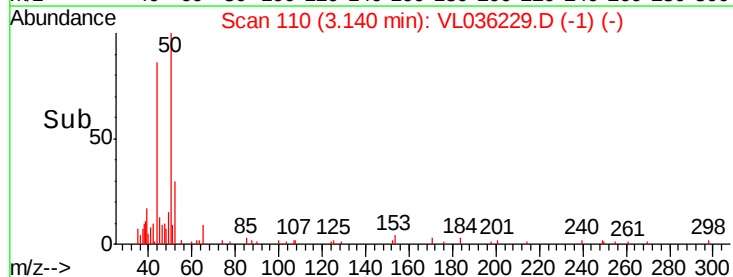
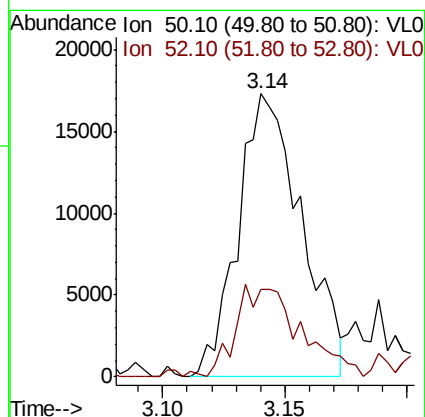
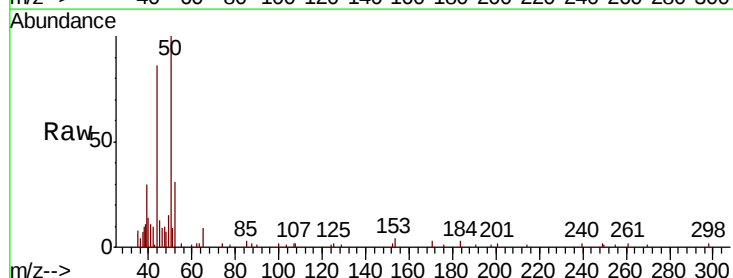
Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS3

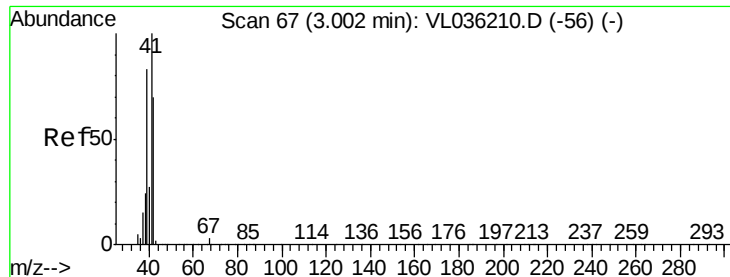
Tot Ion: 51 Resp: 64847
 Ion Ratio Lower Upper
 51 100
 67 15.4 14.0 21.0



#4
 Chloromethane
 Concen: 0.341 ppbv
 RT: 3.14 min Scan# 110
 Delta R.T. 0.01 min
 Lab File: VL036229.D
 Acq: 13 Jan 2021 17:27

Tgt Ion: 50 Resp: 31162
 Ion Ratio Lower Upper
 50 100
 52 28.9 27.8 41.8





#9

Propene

Concen: 2.670 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

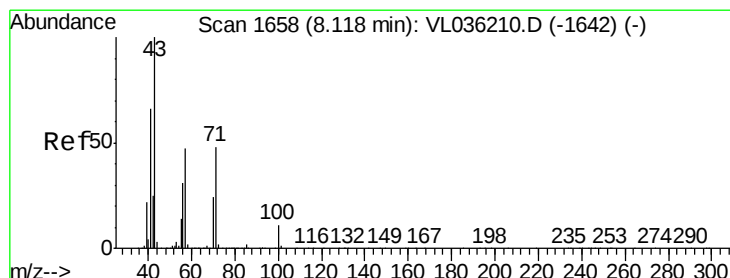
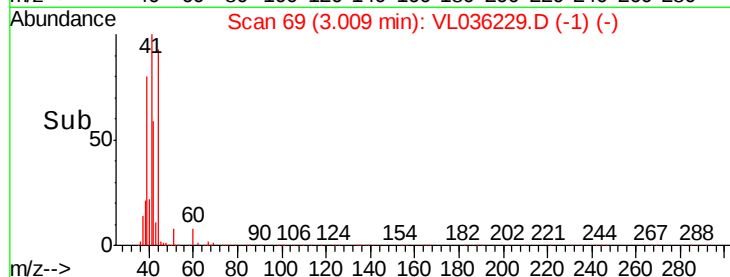
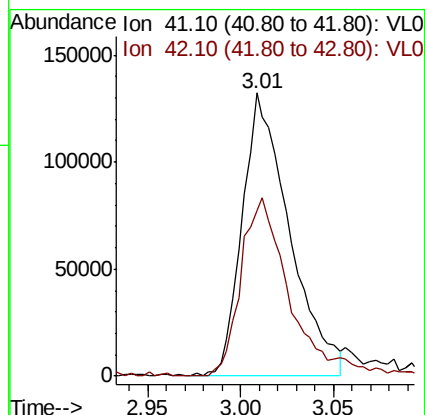
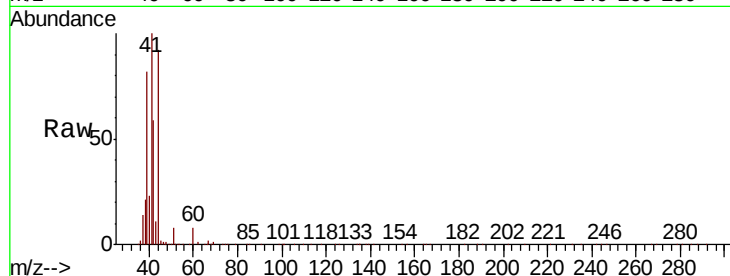
0121-SS3

Tot Ion: 41 Resp: 235473

Ion Ratio Lower Upper

41 100

42 66.2 57.1 85.7



#10

Heptane

Concen: 0.142 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.02 min

Lab File: VL036229.D

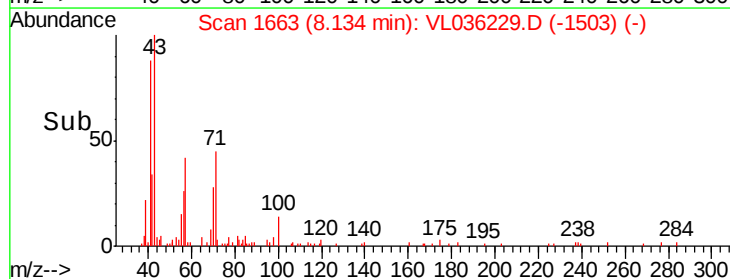
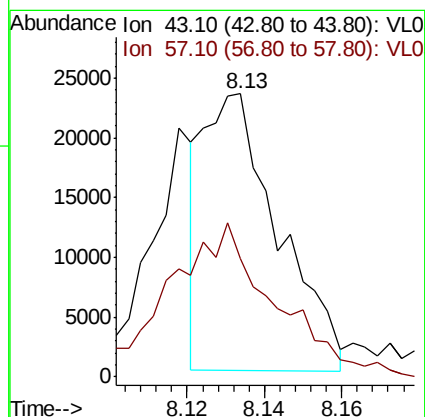
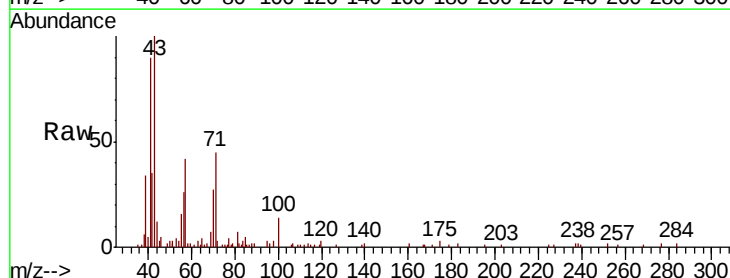
Acq: 13 Jan 2021 17:27

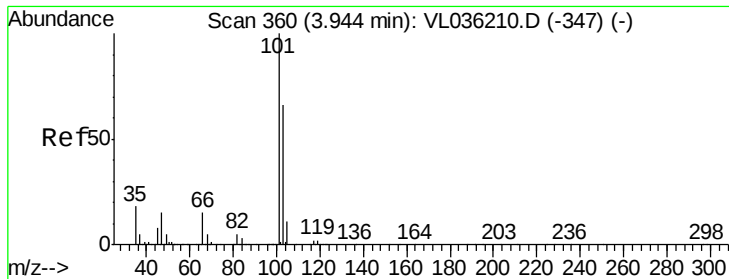
Tgt Ion: 43 Resp: 31101

Ion Ratio Lower Upper

43 100

57 84.7 38.1 57.1#

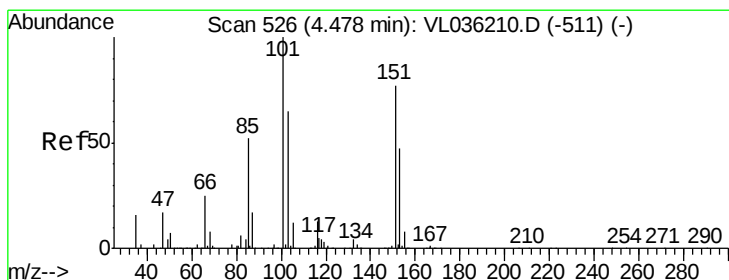
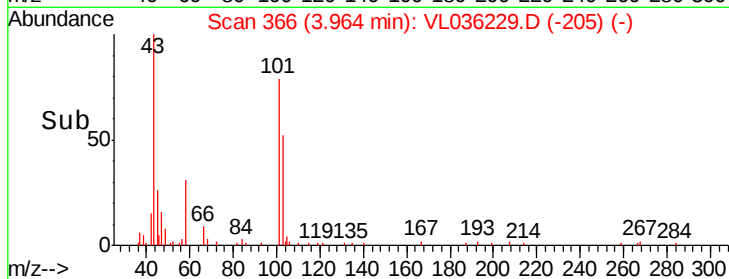
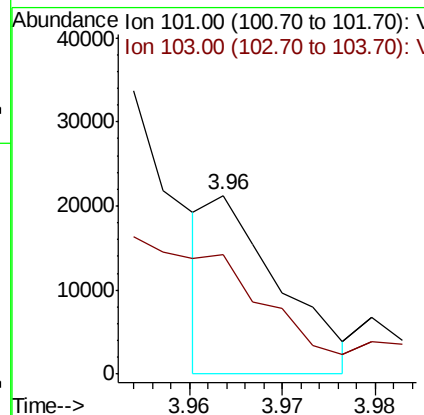
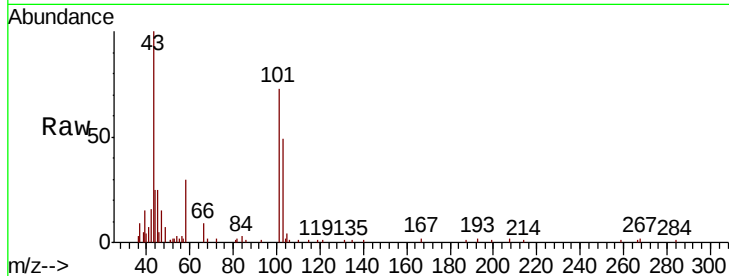




#11
 Trichlorofluoromethane
 Concen: 0.056 ppbv
 RT: 3.96 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VL036229.D
 Acq: 13 Jan 2021 17:27

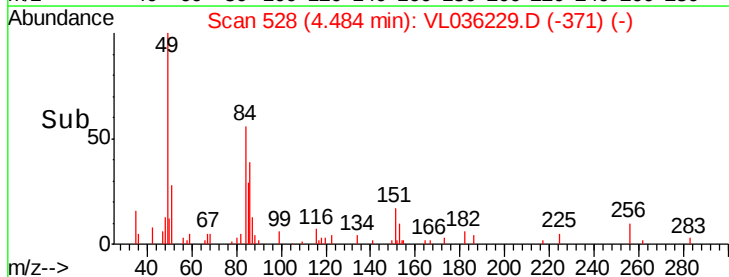
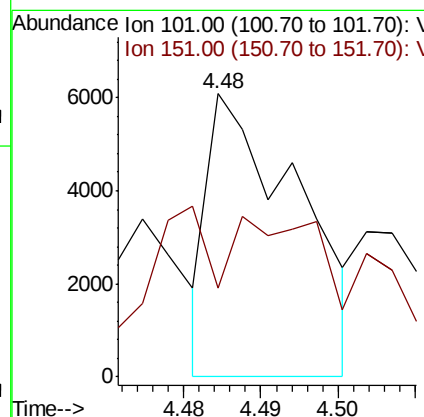
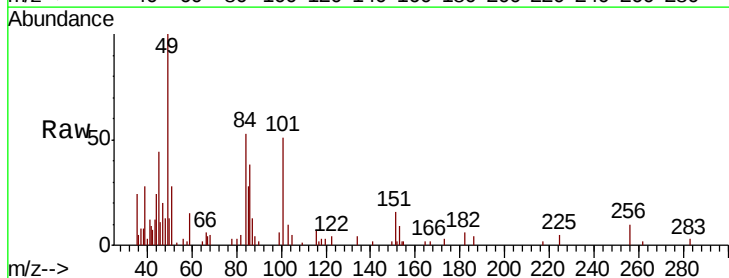
Instrument :
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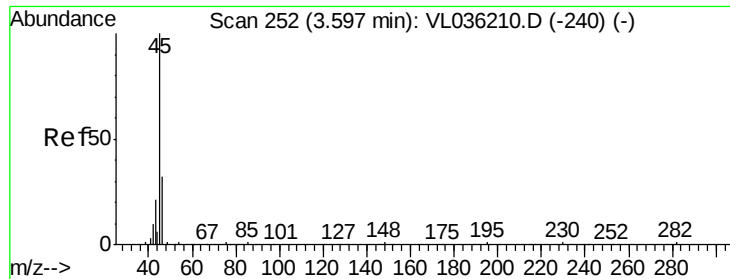
Tot Ion:101 Resp: 11158
 Ion Ratio Lower Upper
 101 100
 103 68.9 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.040 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL036229.D
 Acq: 13 Jan 2021 17:27

Tgt Ion:101 Resp: 4931
 Ion Ratio Lower Upper
 101 100
 151 156.9 59.8 89.6#





#13

Ethanol

Concen: 97.521 ppbv

RT: 3.64 min Scan# 265

Delta R.T. 0.04 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

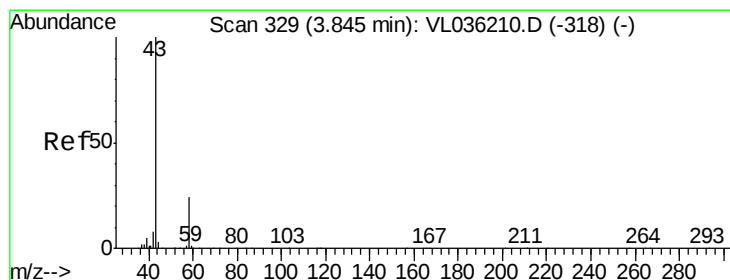
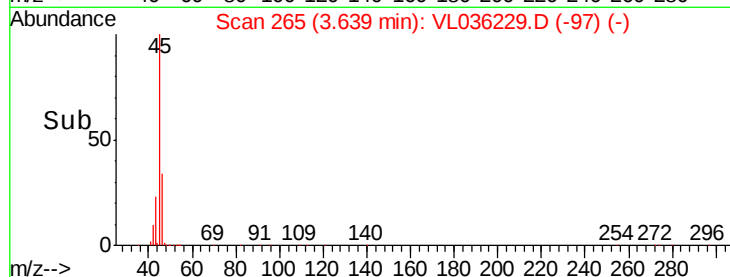
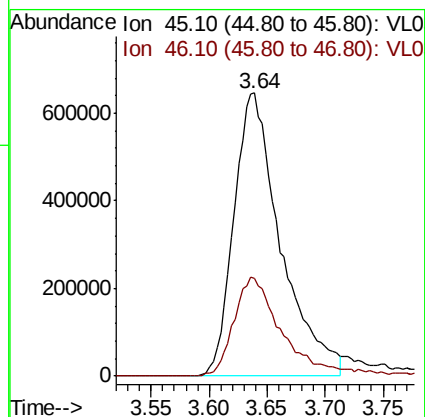
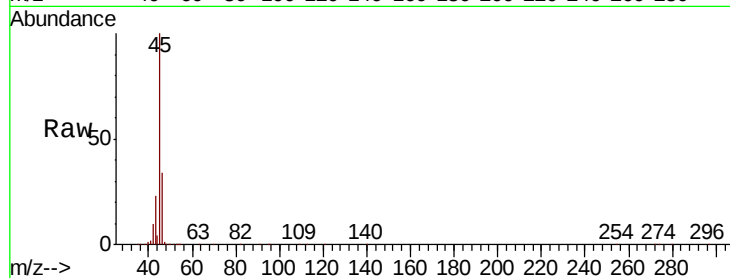
0121-SS3

Tot Ion: 45 Resp: 1805409

Ion Ratio Lower Upper

45 100

46 37.8 19.2 77.0



#15

Acetone

Concen: 26.141 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL036229.D

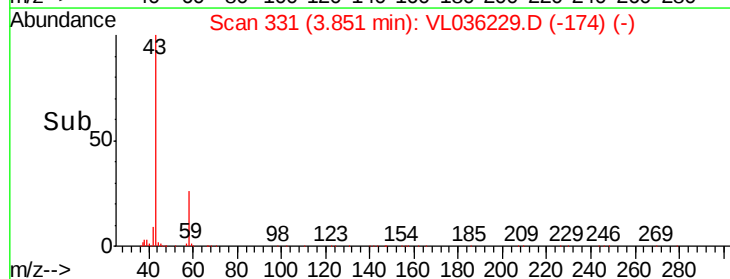
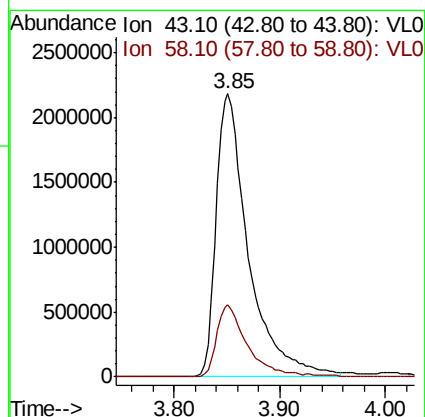
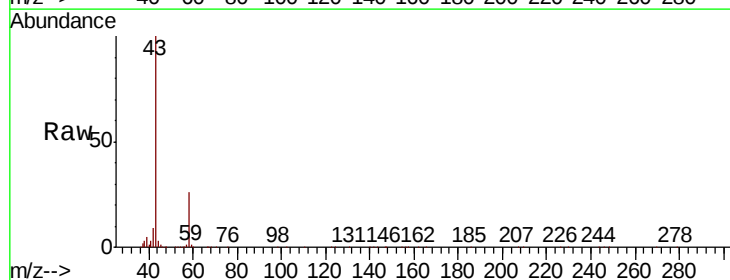
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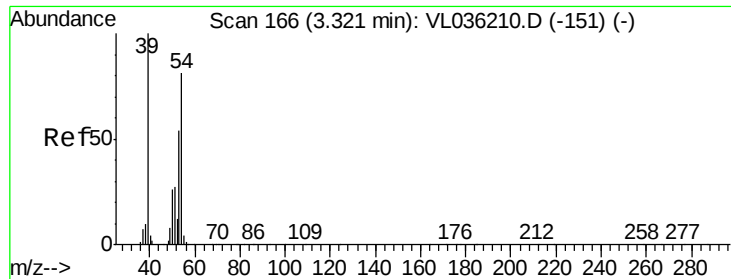
Tgt Ion: 43 Resp: 4630154

Ion Ratio Lower Upper

43 100

58 25.1 20.9 31.3

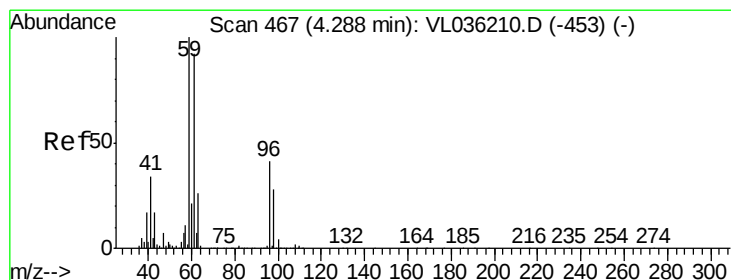
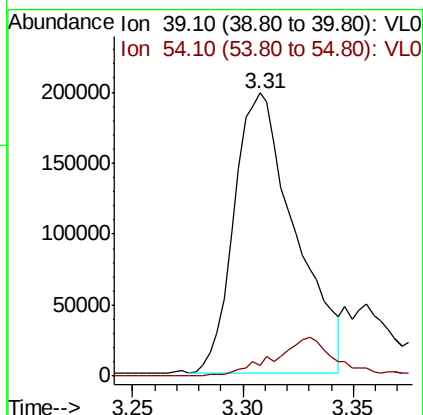
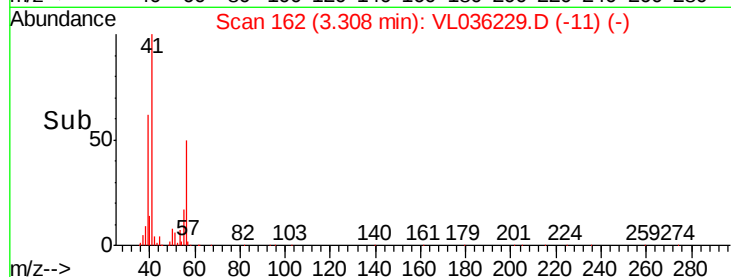
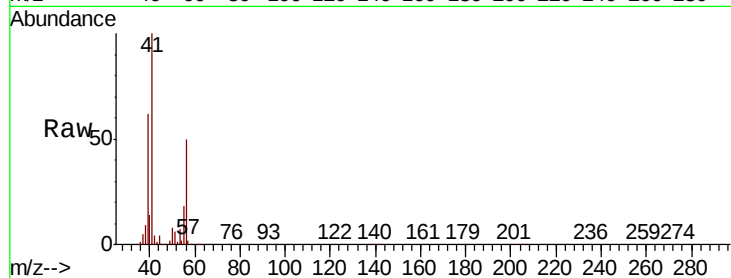




#16
 1,3-Butadiene
 Concen: 4.474 ppbv
 RT: 3.31 min Scan# 162
 Delta R.T. -0.01 min
 Lab File: VL036229.D
 Acq: 13 Jan 2021 17:27

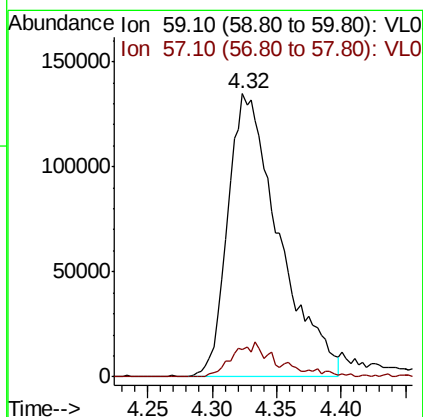
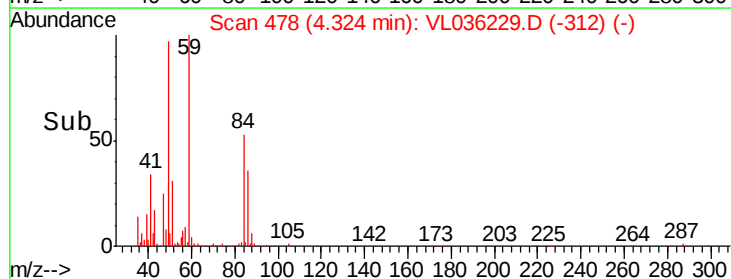
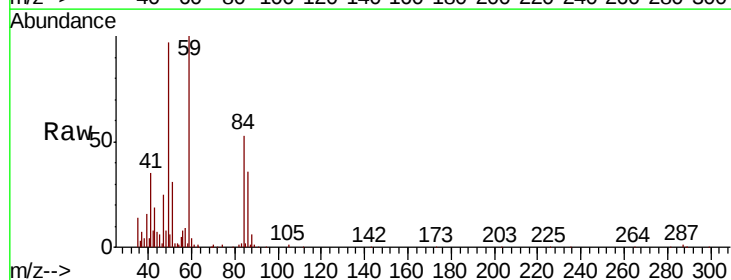
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 0121-SS3

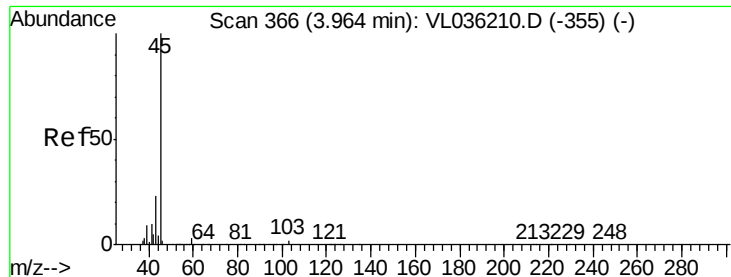
Tot Ion: 39 Resp: 377636
 Ion Ratio Lower Upper
 39 100
 54 14.7 62.5 93.7#



#17
 tert-Butyl alcohol
 Concen: 2.565 ppbv
 RT: 4.32 min Scan# 478
 Delta R.T. 0.04 min
 Lab File: VL036229.D
 Acq: 13 Jan 2021 17:27

Tgt Ion: 59 Resp: 372173
 Ion Ratio Lower Upper
 59 100
 57 11.2 9.2 13.8





#19

Isopropyl Alcohol

Concen: 1.033 ppbv

RT: 4.01 min Scan# 379

Delta R.T. 0.04 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

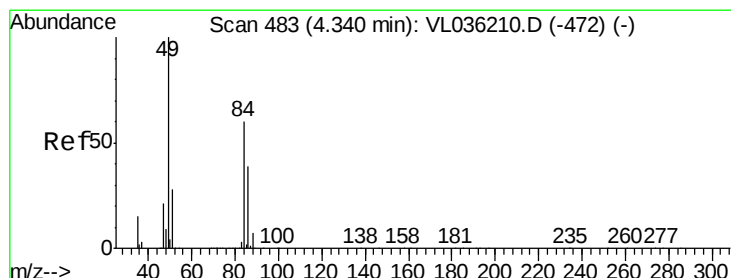
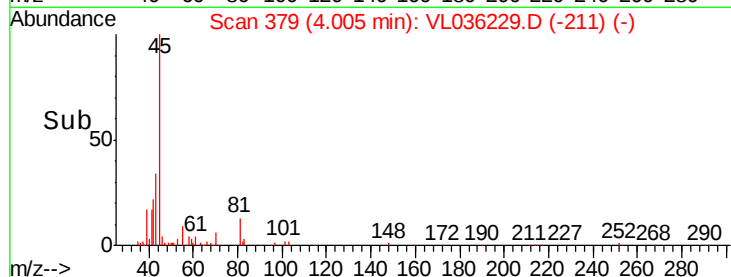
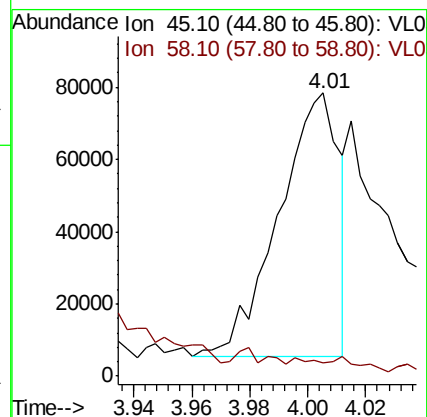
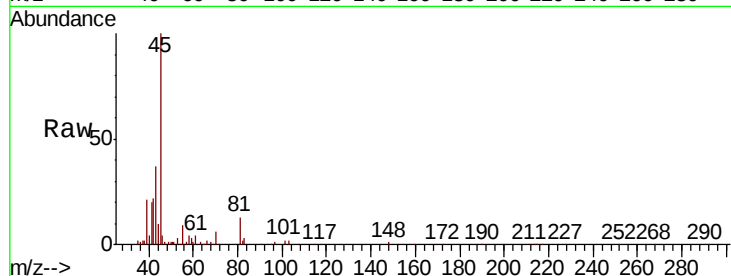
0121-SS3

Tot Ion: 45 Resp: 105735

Ion Ratio Lower Upper

45 100

58 1079.3 1.9 2.9#



#20

Methylene Chloride

Concen: 37.432 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Tgt Ion: 84 Resp: 2030314

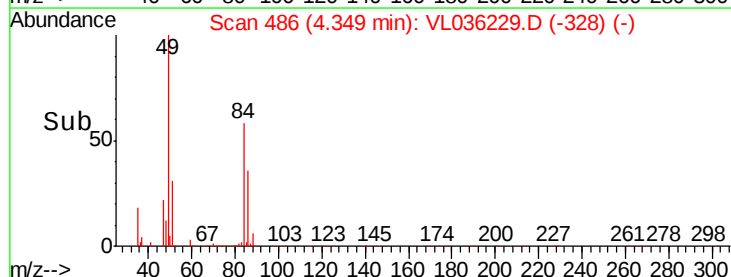
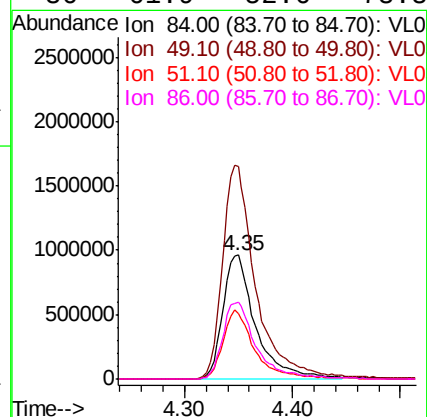
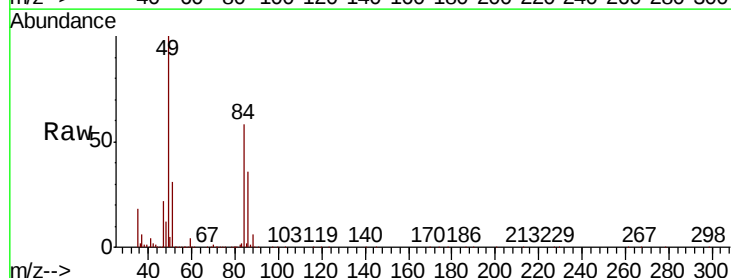
Ion Ratio Lower Upper

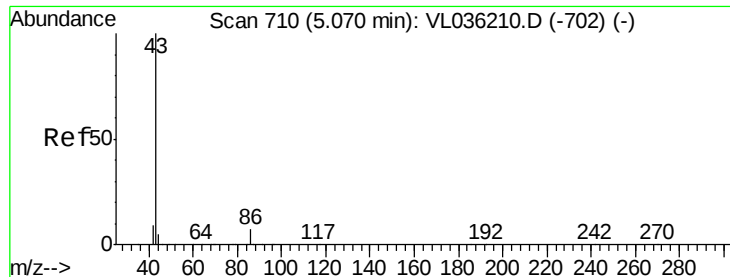
84 100

49 171.6 134.1 201.1

51 52.5 37.4 56.0

86 61.9 52.6 78.8





#23

Vinyl Acetate

Concen: 0.050 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

Tot Ion: 43 Resp: 11052

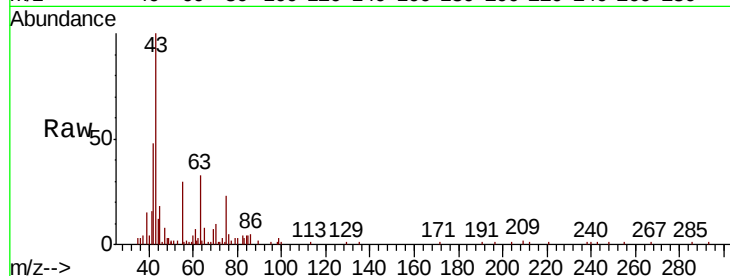
Ion Ratio Lower Upper

43 100

86 0.0 4.9 7.3#

42 128.6 7.8 11.6#

44 5.1 3.7 5.5

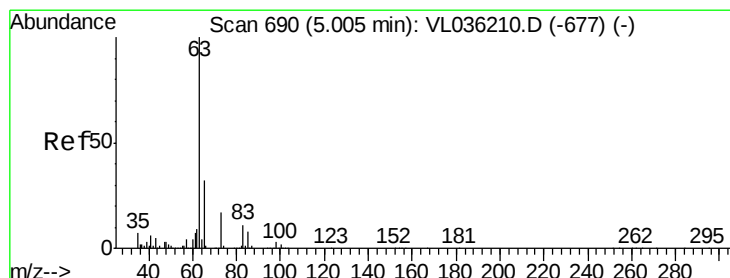
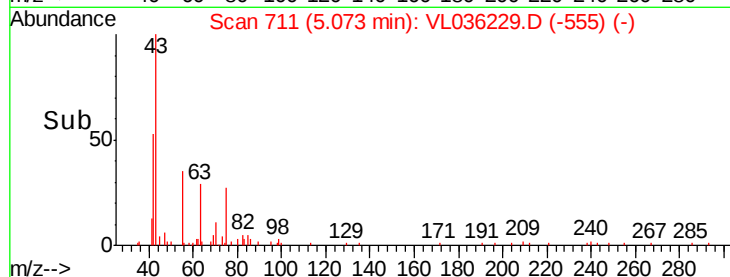
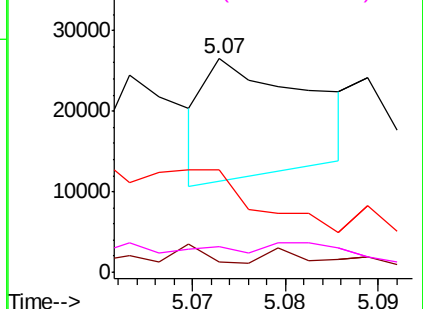


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.186 ppbv

RT: 5.01 min Scan# 693

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

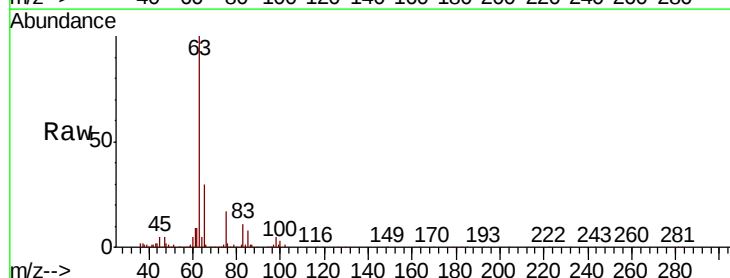
Tgt Ion: 63 Resp: 346413

Ion Ratio Lower Upper

63 100

98 4.6 1.7 5.1

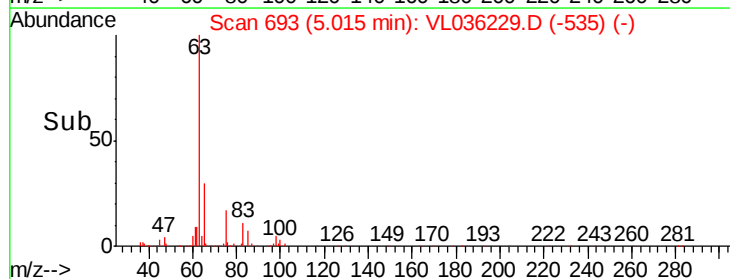
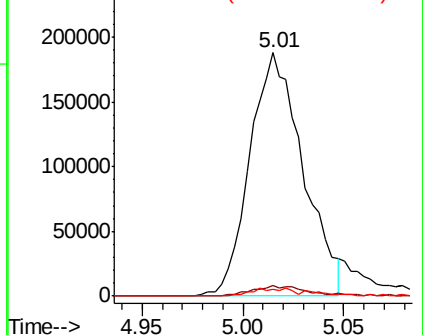
100 2.6 1.1 3.1

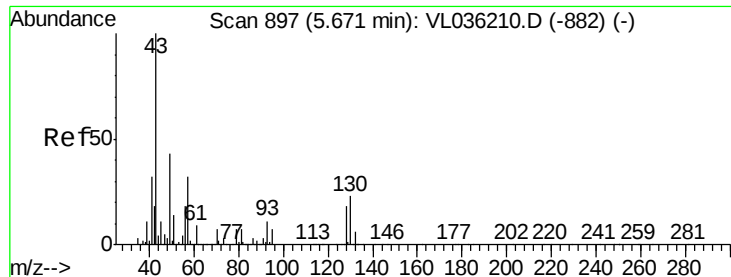


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 5.445 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.02 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

Tot Ion: 43 Resp: 1963814

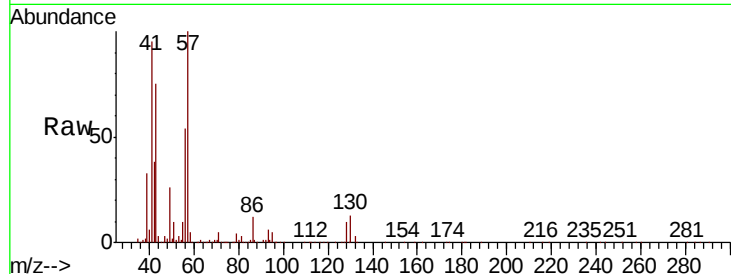
Ion Ratio Lower Upper

43 100

45 0.5 8.3 12.5#

61 0.4 7.4 11.2#

70 1.3 5.5 8.3#

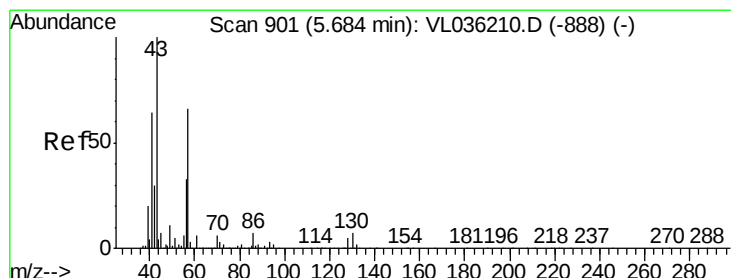
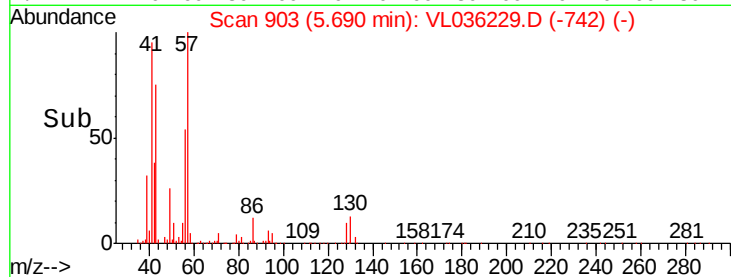
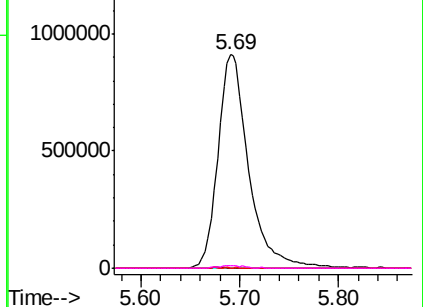


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 17.458 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Tgt Ion: 57 Resp: 2633267

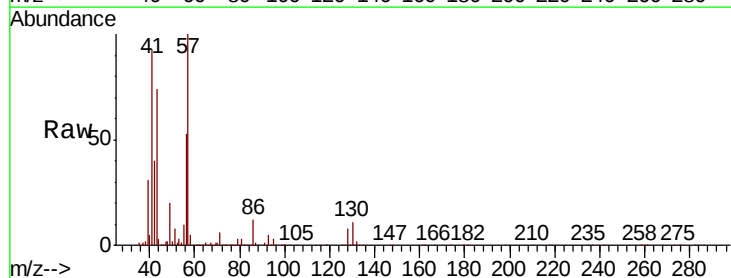
Ion Ratio Lower Upper

57 100

41 96.6 83.0 124.6

43 75.5 202.4 303.6#

56 53.8 43.4 65.0

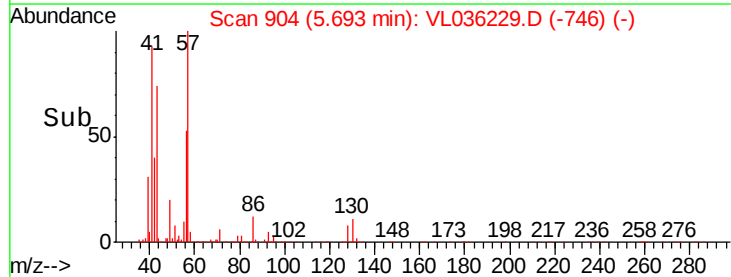
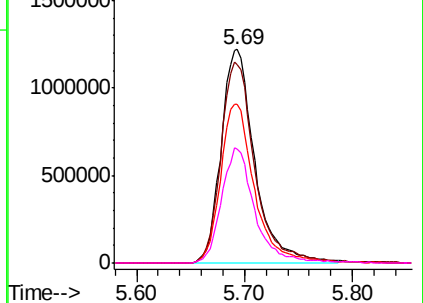


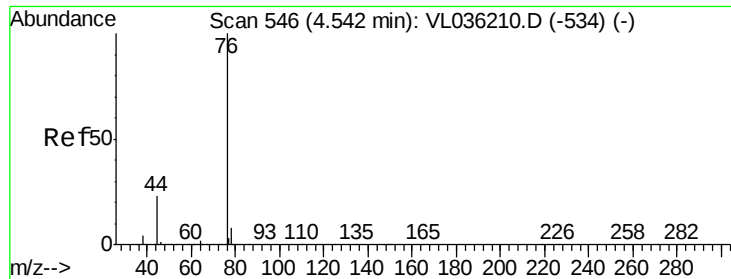
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

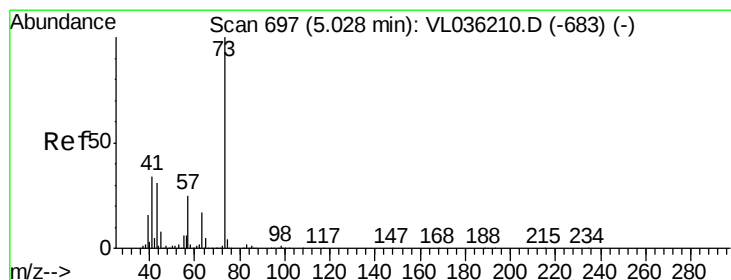
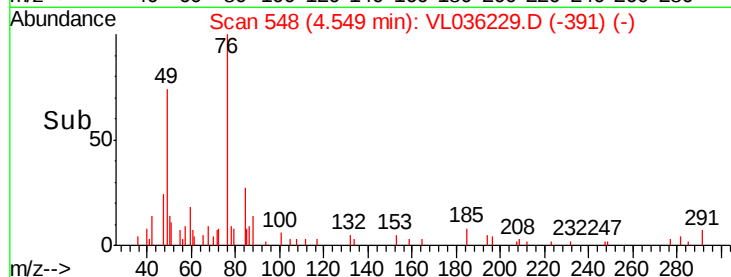
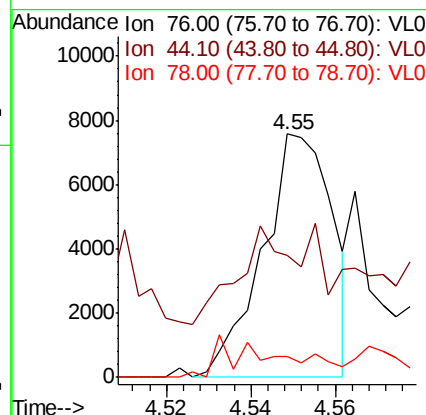
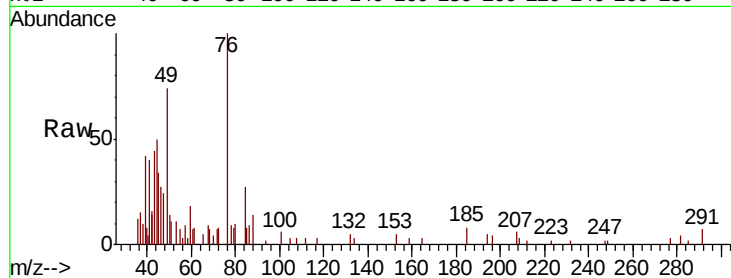




#27
Carbon Disulfide
Concen: 0.071 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

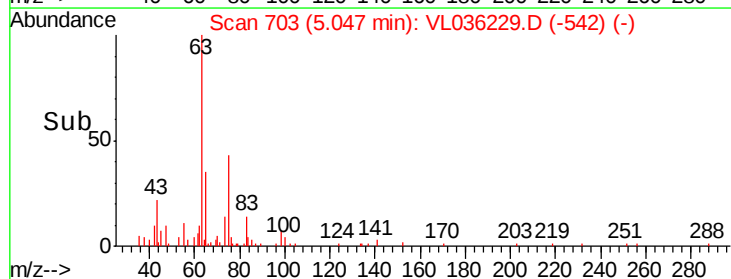
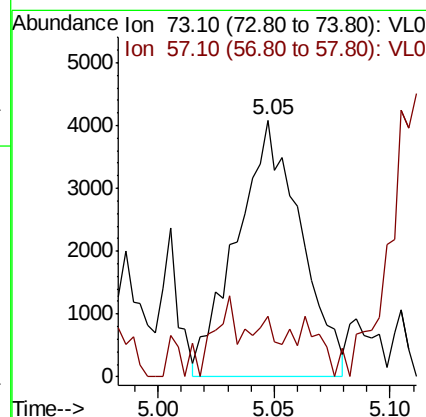
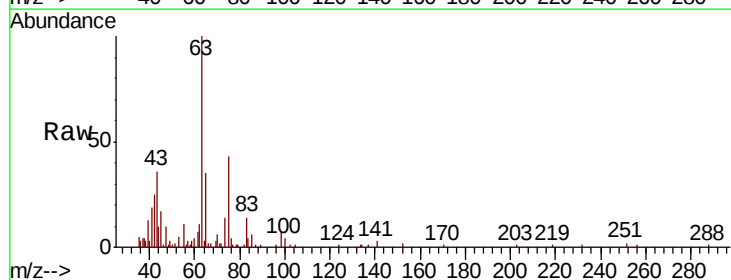
Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

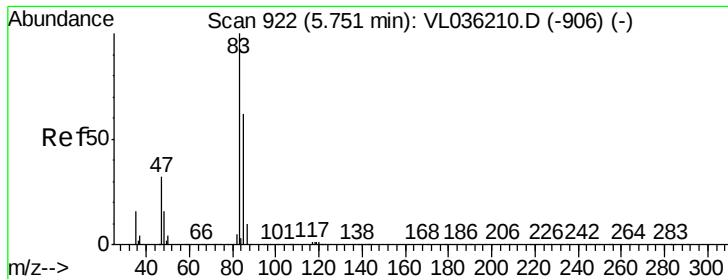
Tot Ion: 76 Resp: 8639
Ion Ratio Lower Upper
76 100
44 74.8 19.0 28.6#
78 14.8 8.0 12.0#



#28
Methyl tert-Butyl Ether
Concen: 0.038 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.02 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Tgt Ion: 73 Resp: 7798
Ion Ratio Lower Upper
73 100
57 0.0 20.4 30.6#

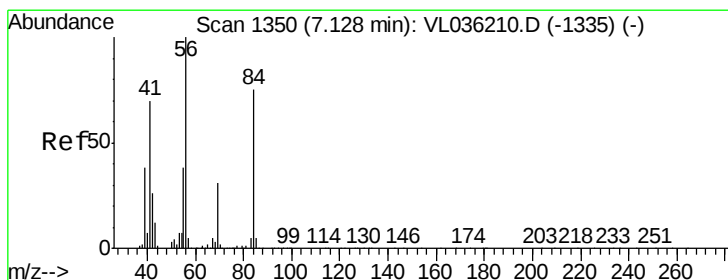
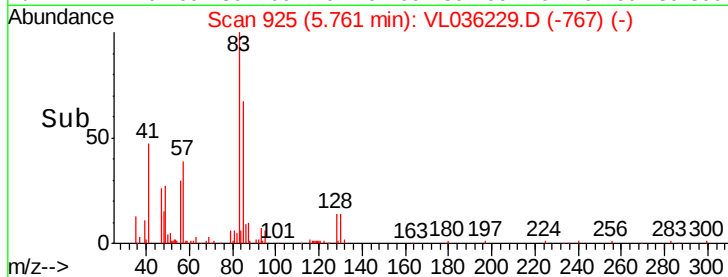
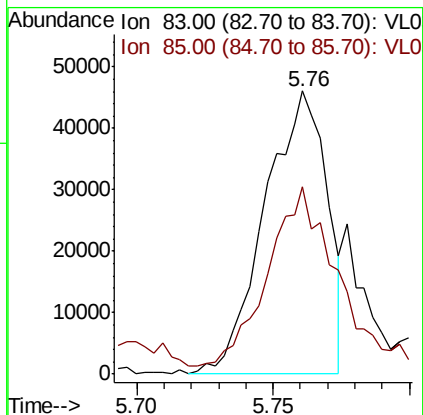
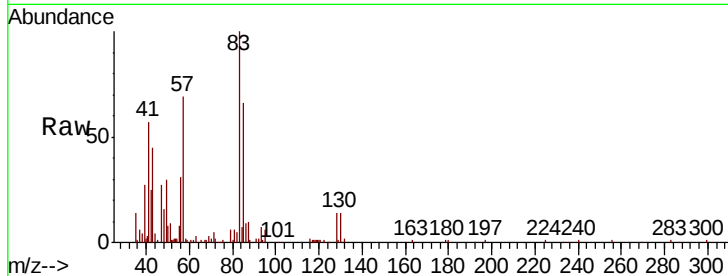




#29
Chloroform
Concen: 0.328 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

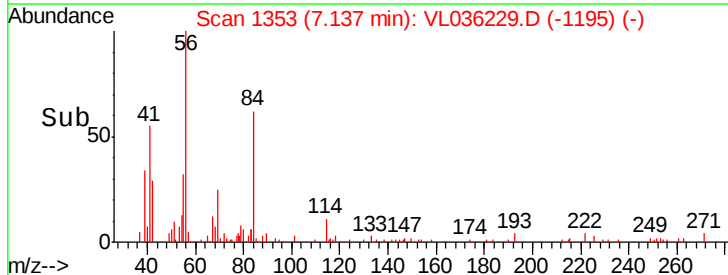
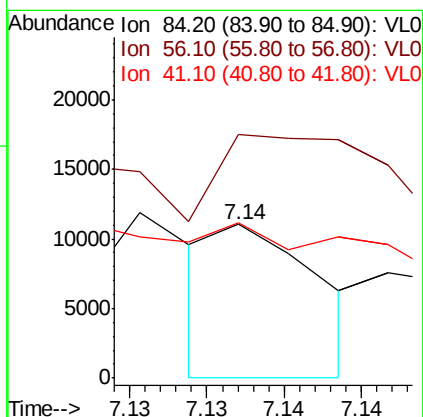
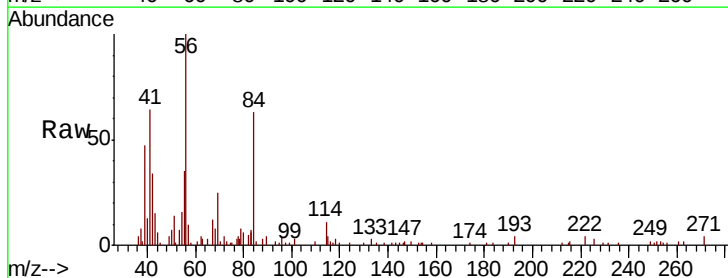
Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

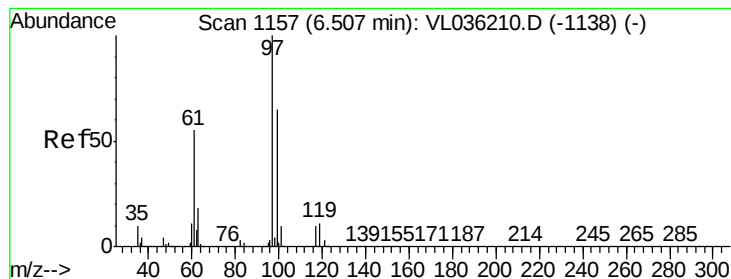
Tot Ion: 83 Resp: 72422
Ion Ratio Lower Upper
83 100
85 63.8 49.3 73.9



#30
Cyclohexane
Concen: 0.043 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Tgt Ion: 84 Resp: 5057
Ion Ratio Lower Upper
84 100
56 0.0 119.4 179.0#
41 630.6 79.4 119.0#





#32

1,1,1-Trichloroethane

Concen: 8.122 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

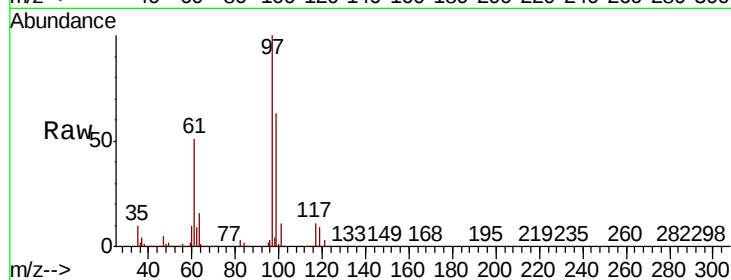
Tot Ion: 97 Resp: 1728626

Ion Ratio Lower Upper

97 100

99 65.9 52.0 78.0

61 53.4 43.6 65.4

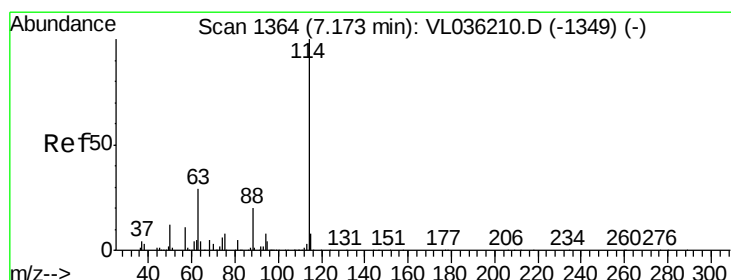
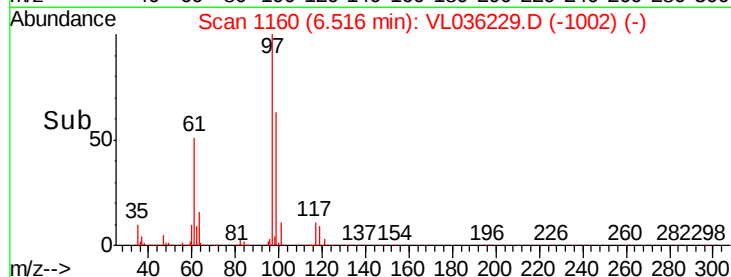
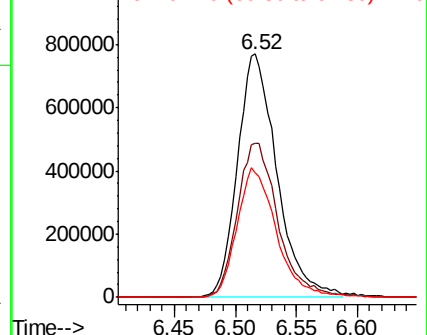


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

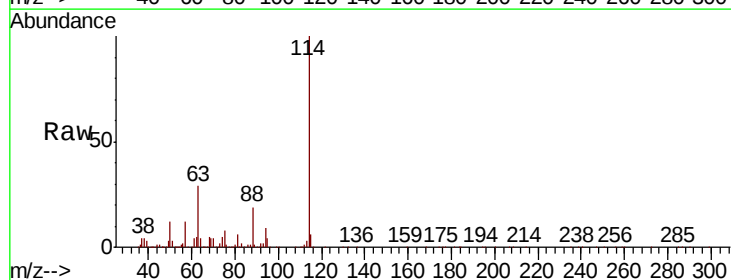
Tgt Ion: 114 Resp: 3321531

Ion Ratio Lower Upper

114 100

63 29.2 24.7 37.1

88 20.1 16.6 24.8

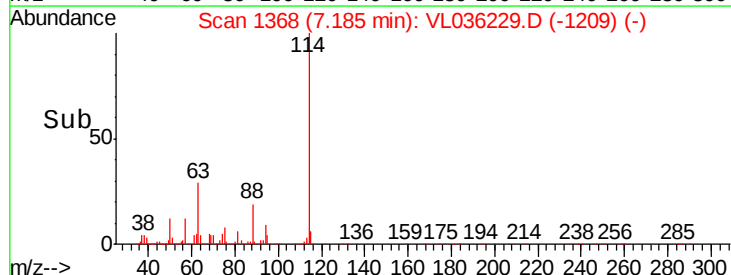
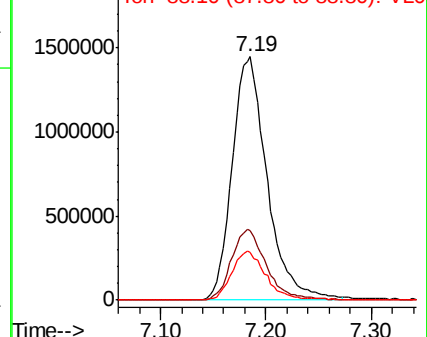


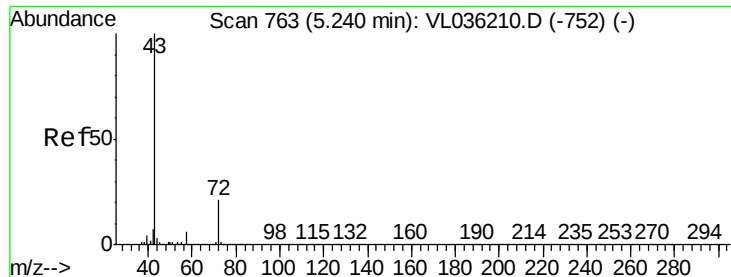
Abundance

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

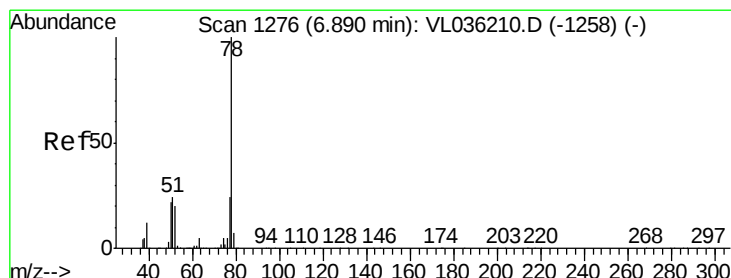
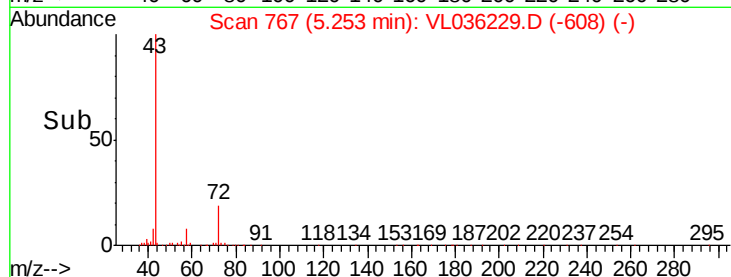
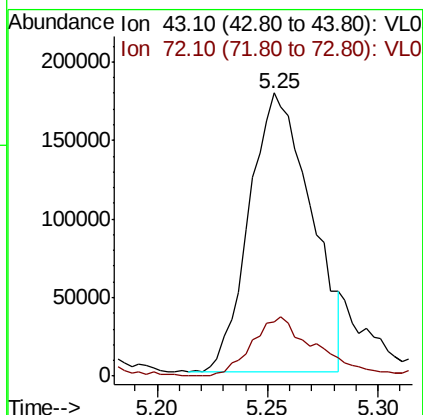
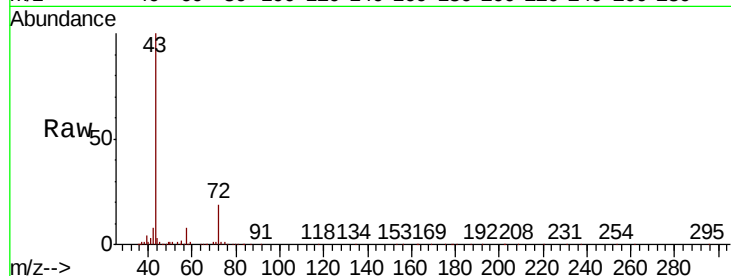




#34
2-Butanone
Concen: 1.634 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

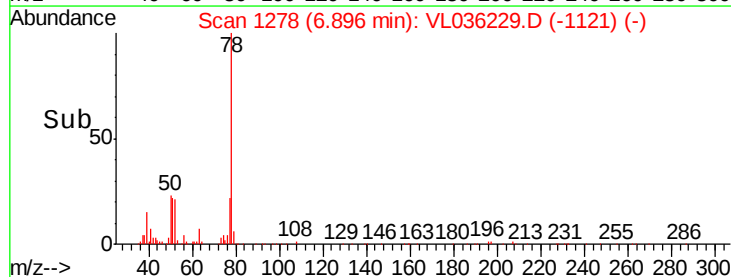
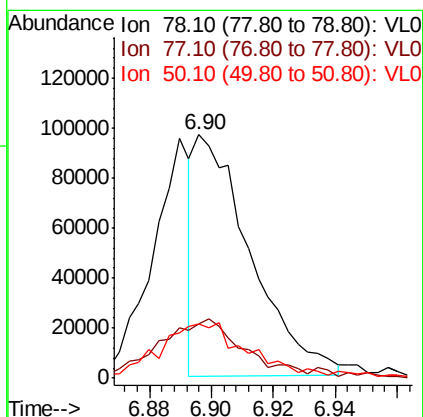
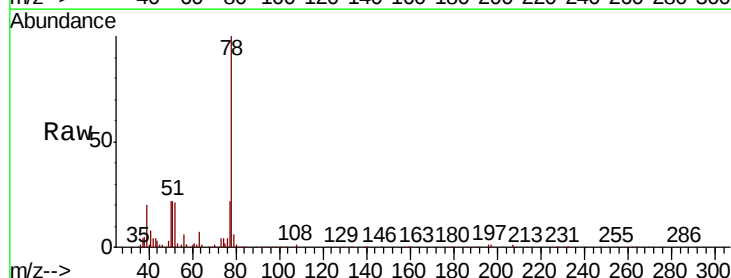
Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

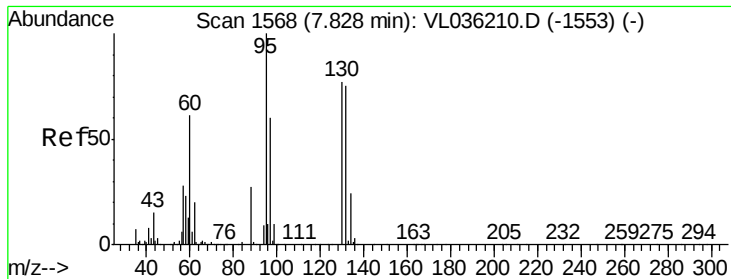
Tot Ion: 43 Resp: 345888
Ion Ratio Lower Upper
43 100
72 22.2 16.1 24.1



#36
Benzene
Concen: 0.395 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Tgt Ion: 78 Resp: 120092
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0
50 20.8 17.4 26.2





#38

Trichloroethene

Concen: 0.110 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

Tot Ion:130 Resp: 12562

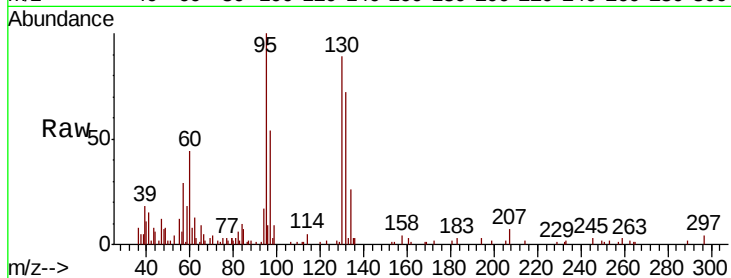
Ion Ratio Lower Upper

130 100

95 68.3 103.9 155.9#

132 57.6 77.4 116.2#

97 41.3 62.5 93.7#

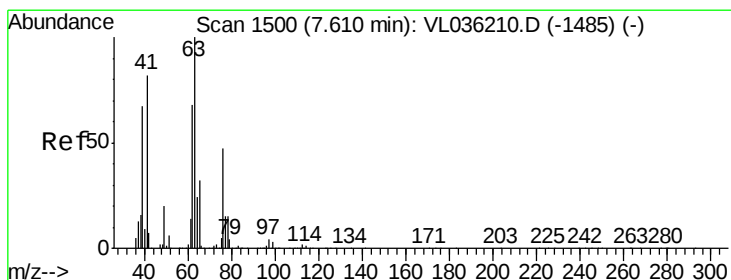
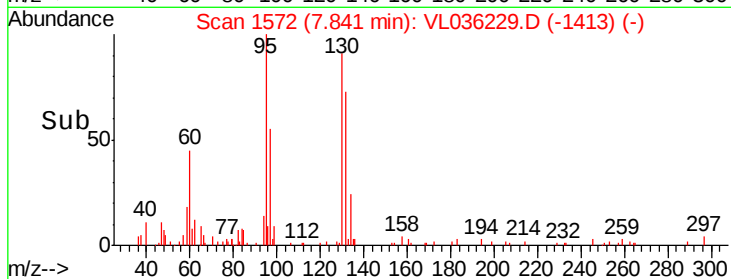
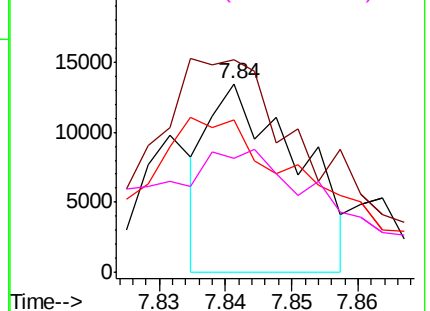


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.701 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

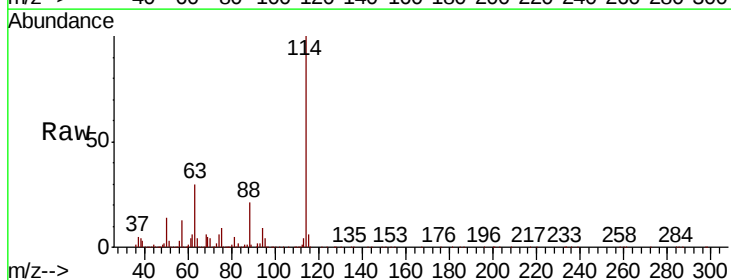
Tgt Ion: 63 Resp: 951554

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

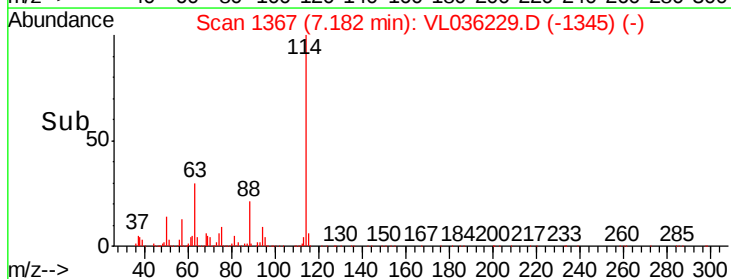
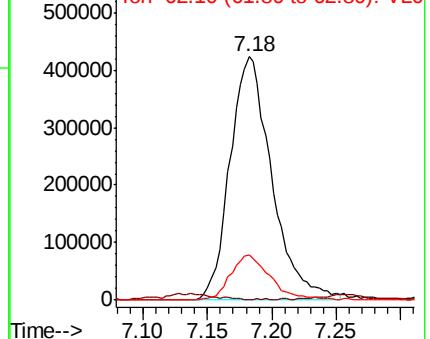
62 18.4 54.8 82.2#

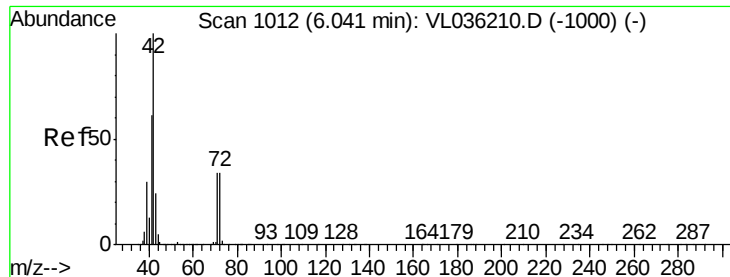


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.254 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. 0.28 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

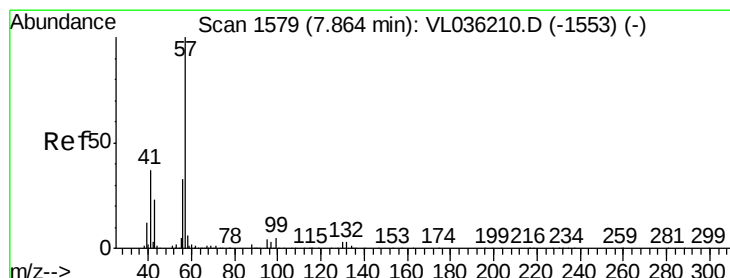
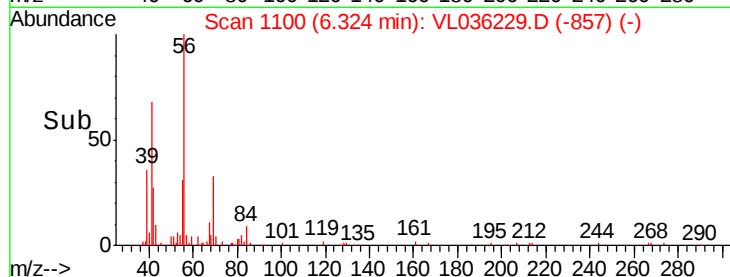
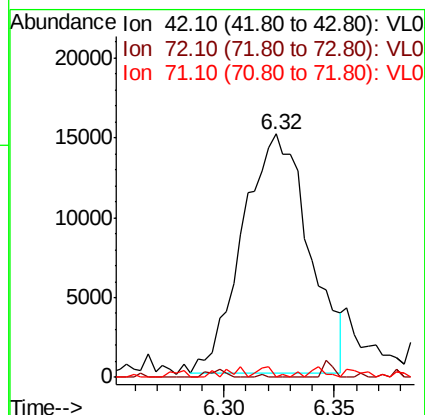
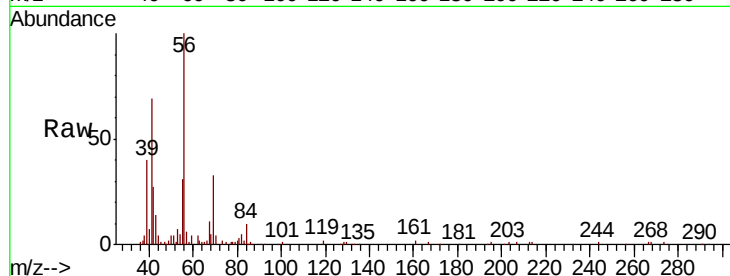
Tot Ion: 42 Resp: 31559

Ion Ratio Lower Upper

42 100

72 1.6 29.5 44.3#

71 0.0 29.1 43.7#



#44

2,2,4-Trimethylpentane

Concen: 0.034 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

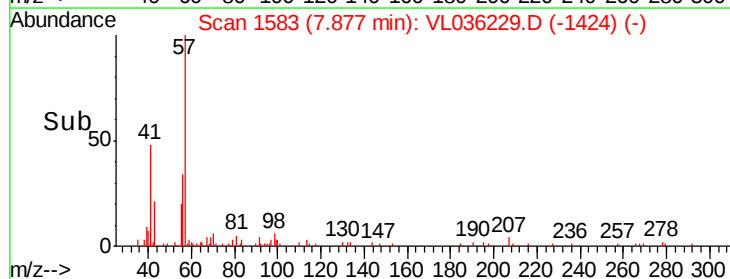
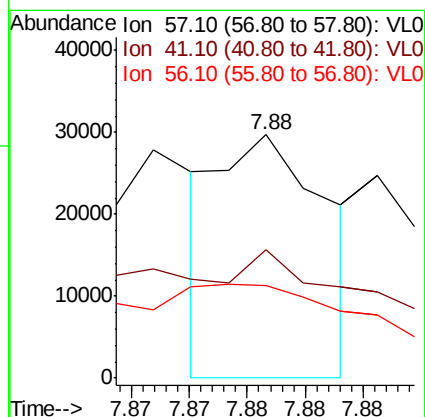
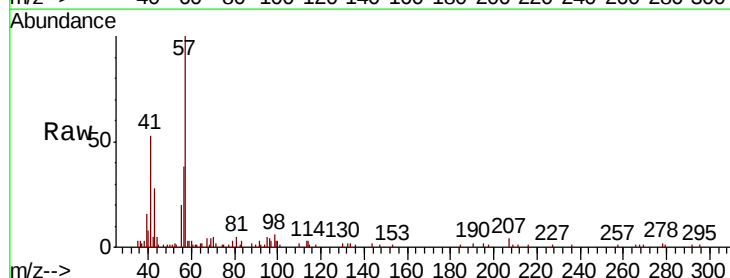
Tgt Ion: 57 Resp: 19122

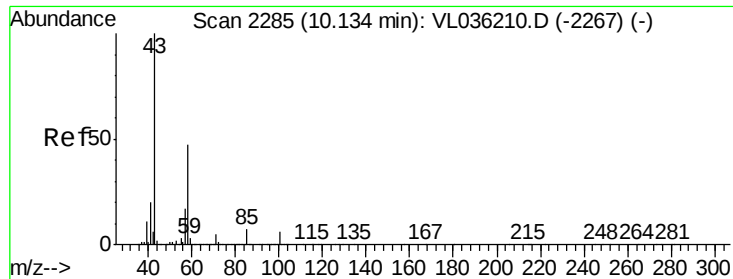
Ion Ratio Lower Upper

57 100

41 207.8 28.5 42.7#

56 149.2 25.5 38.3#

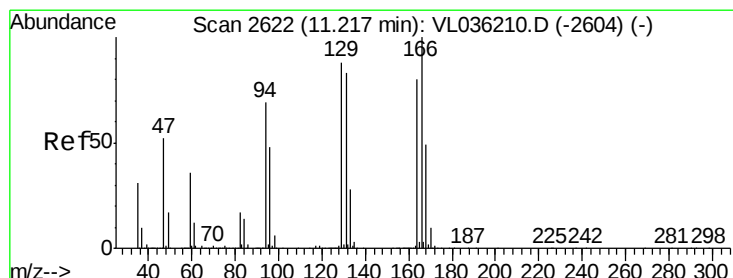
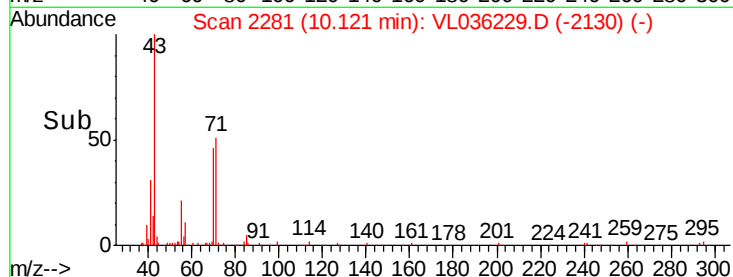
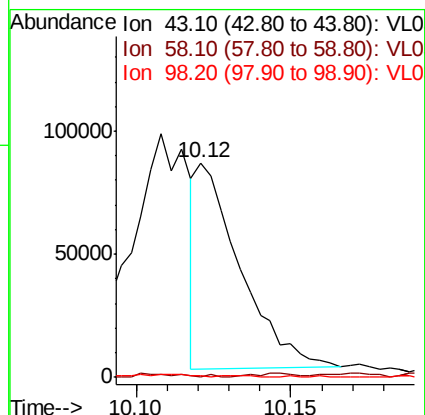
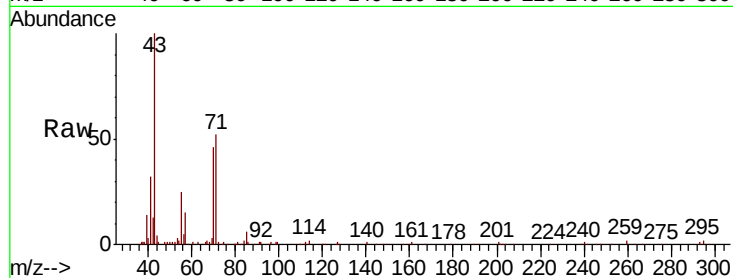




#51
2-Hexanone
Concen: 0.294 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

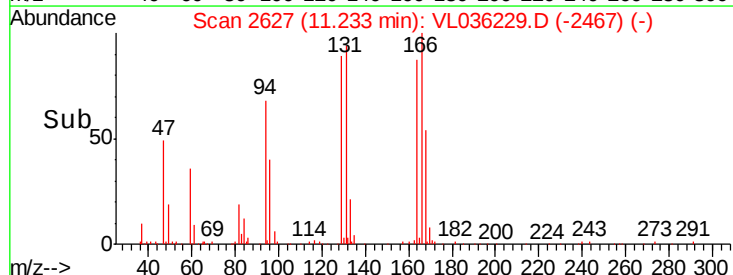
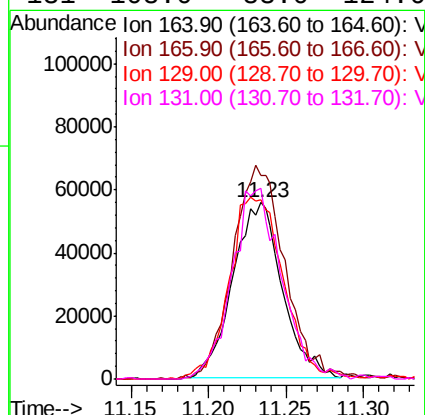
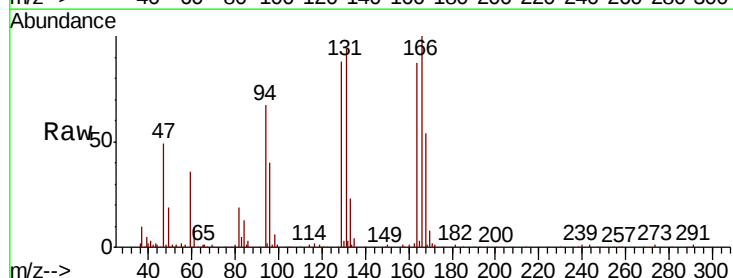
Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

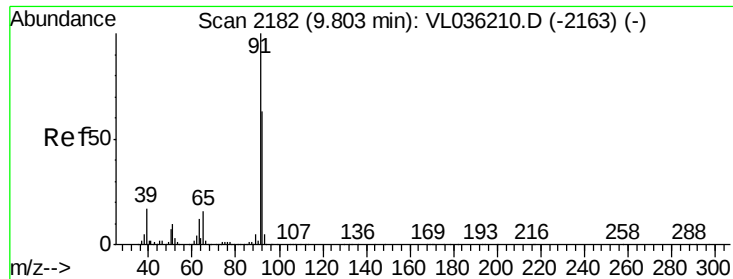
Tot Ion: 43 Resp: 81223
Ion Ratio Lower Upper
43 100
58 1.2 37.4 56.0#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.095 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.02 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Tgt Ion: 164 Resp: 122807
Ion Ratio Lower Upper
164 100
166 115.1 99.9 149.9
129 99.8 88.2 132.4
131 108.0 83.0 124.6





#53

Toluene

Concen: 1.254 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

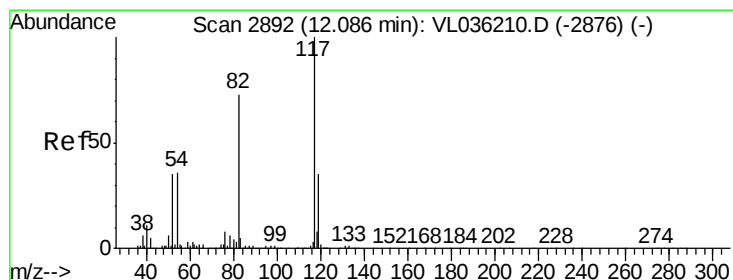
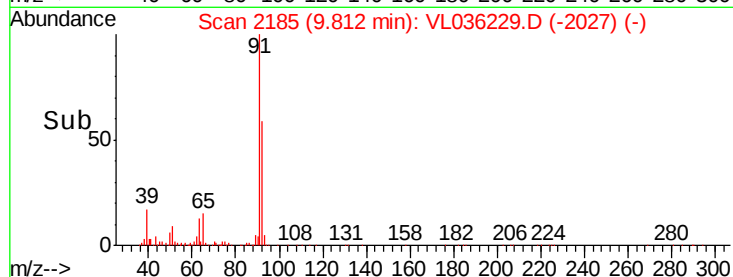
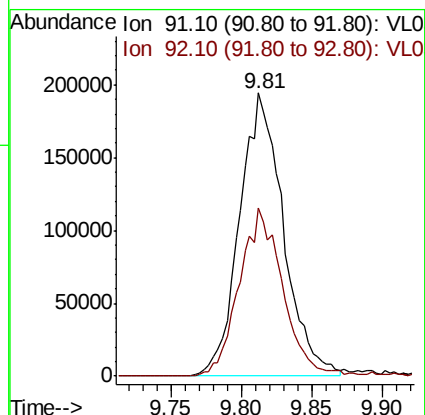
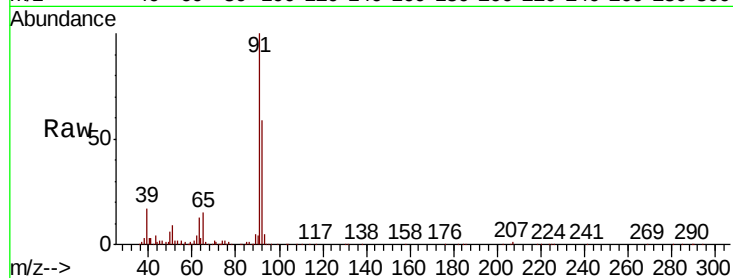
0121-SS3

Tot Ion: 91 Resp: 422629

Ion Ratio Lower Upper

91 100

92 59.4 48.5 72.7



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

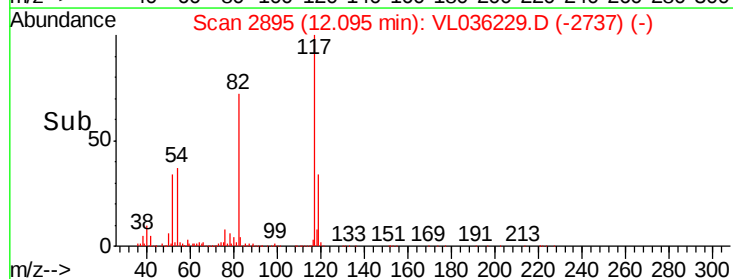
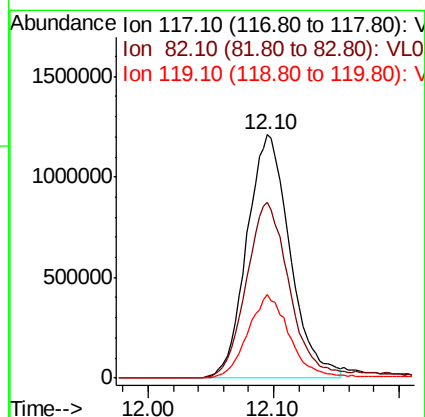
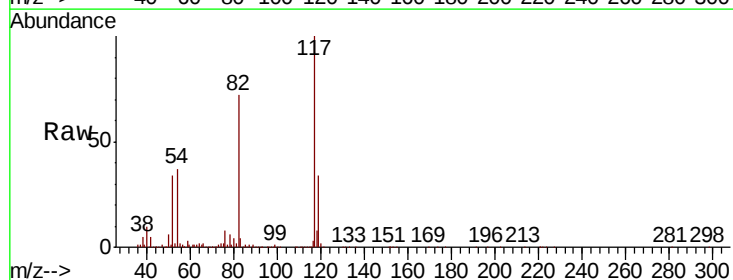
Tgt Ion: 117 Resp: 2892552

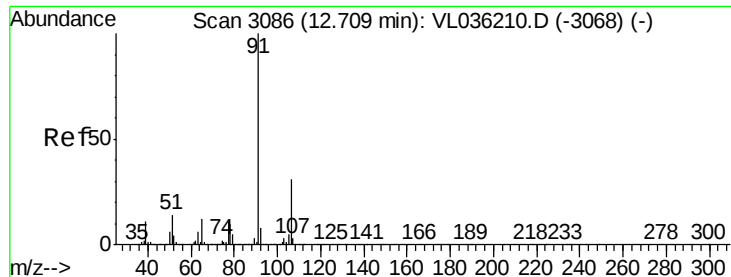
Ion Ratio Lower Upper

117 100

82 76.0 59.7 89.5

119 34.1 28.6 43.0





#58

Ethyl Benzene

Concen: 0.253 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

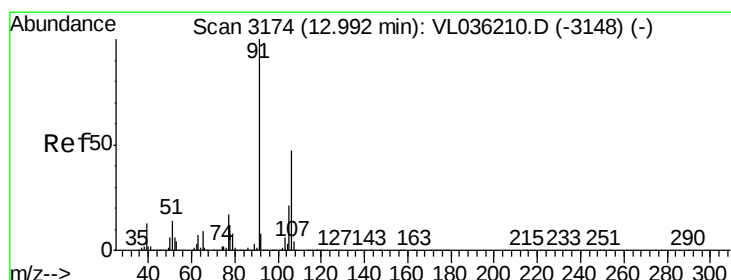
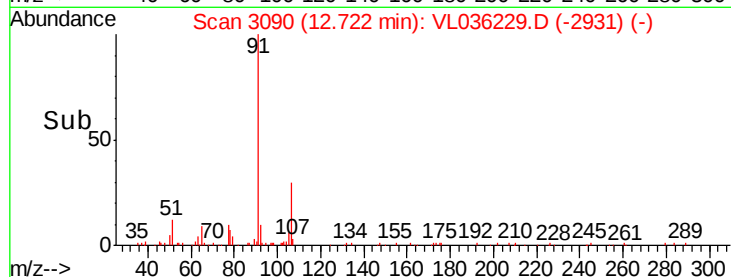
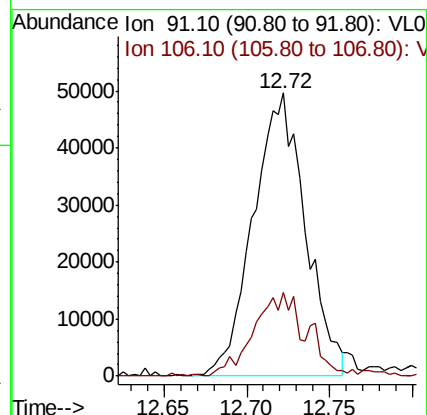
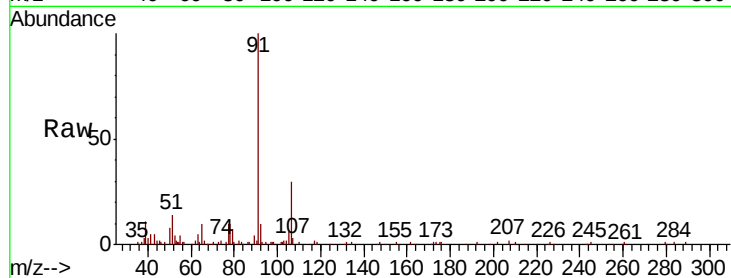
0121-SS3

Tot Ion: 91 Resp: 108552

Ion Ratio Lower Upper

91 100

106 29.0 24.8 37.2



#59

m/p-Xylene

Concen: 0.204 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. 0.01 min

Lab File: VL036229.D

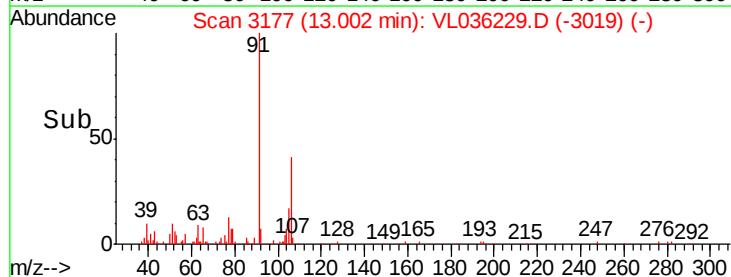
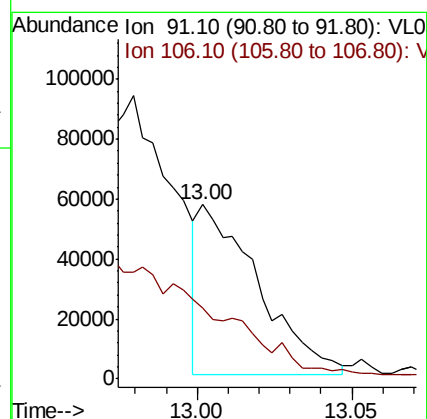
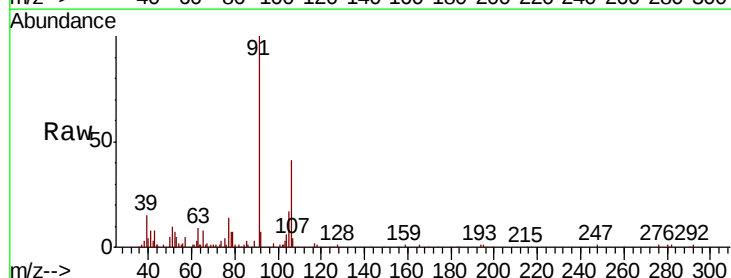
Acq: 13 Jan 2021 17:27

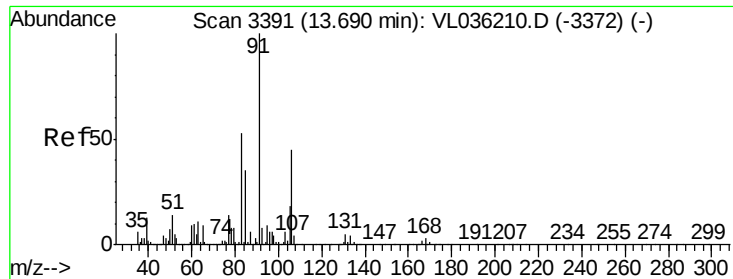
Tgt Ion: 91 Resp: 75239

Ion Ratio Lower Upper

91 100

106 0.0 34.6 51.8#

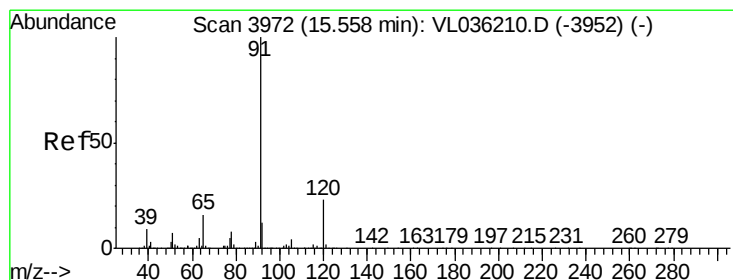
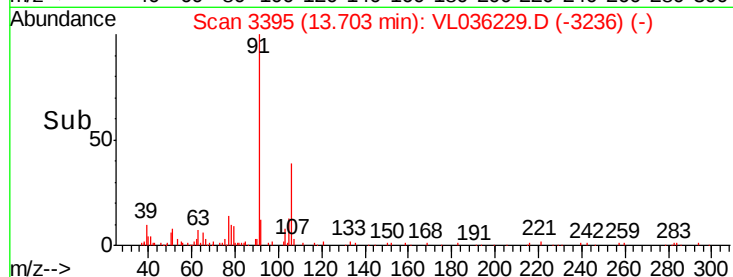
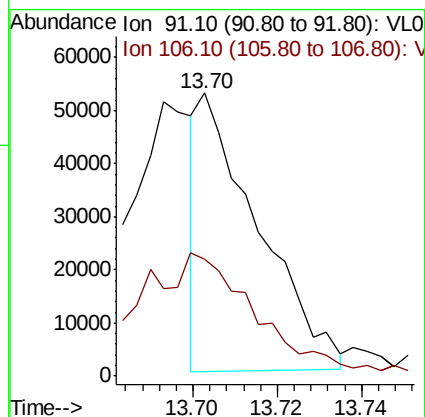
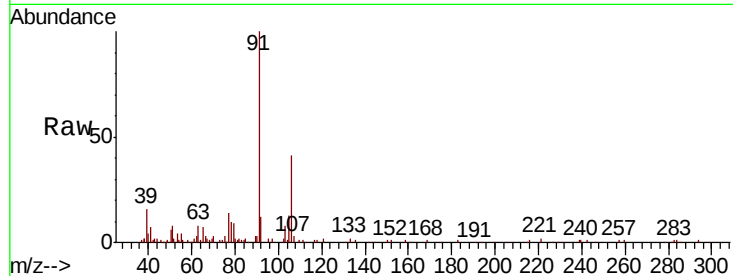




#60
o-Xylene
Concen: 0.144 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

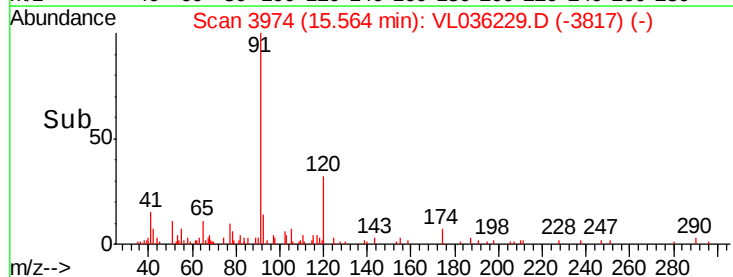
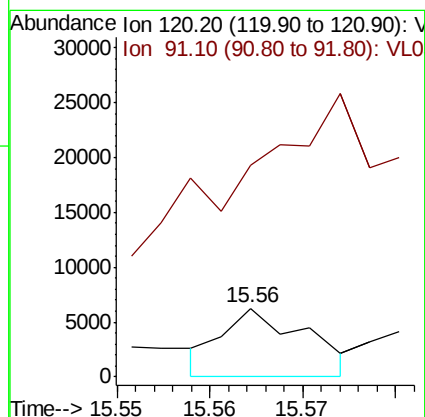
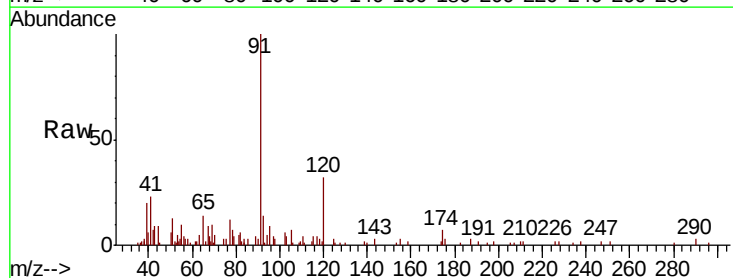
Instrument :
MSVOA_L
ClientSampleId :
0121-SS3

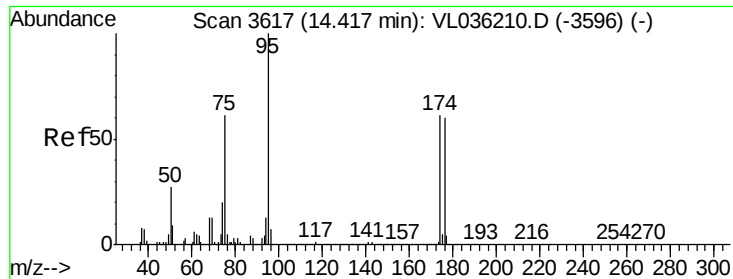
Tot Ion: 91 Resp: 51219
Ion Ratio Lower Upper
91 100
106 99.4 21.9 65.8#



#64
n-propylbenzene
Concen: 0.030 ppbv
RT: 15.56 min Scan# 3974
Delta R.T. 0.01 min
Lab File: VL036229.D
Acq: 13 Jan 2021 17:27

Tgt Ion: 120 Resp: 3946
Ion Ratio Lower Upper
120 100
91 0.0 391.8 587.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.960 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

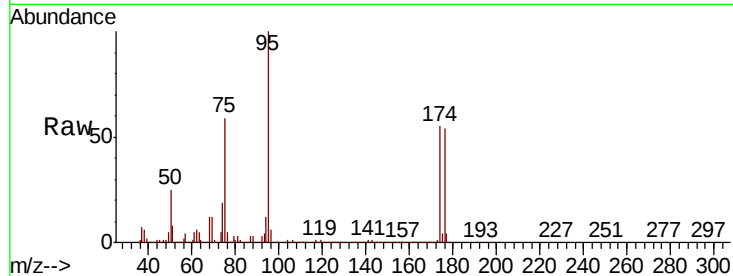
Tot Ion: 95 Resp: 2384759

Ion Ratio Lower Upper

95 100

174 62.9 49.4 74.0

175 4.7 3.8 5.8

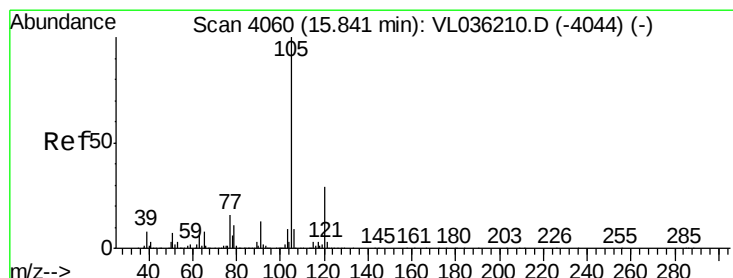
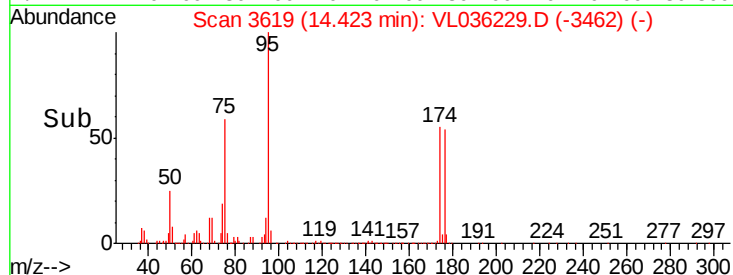
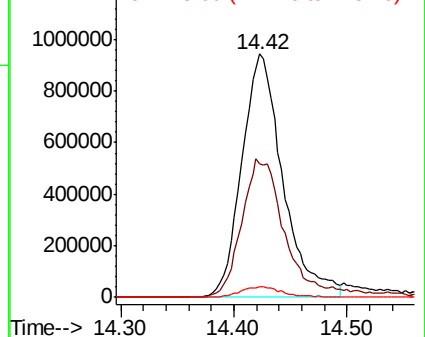


Abundance

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: 0.054 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Tgt Ion: 105 Resp: 21763

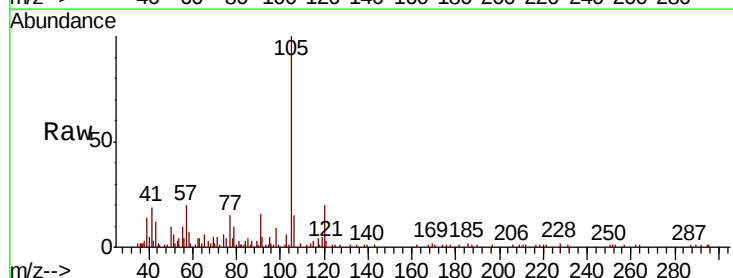
Ion Ratio Lower Upper

105 100

120 92.9 23.7 35.5#

91 52.7 11.9 17.9#

77 67.2 12.6 18.8#



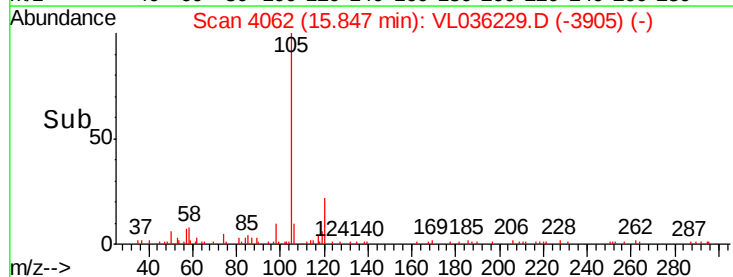
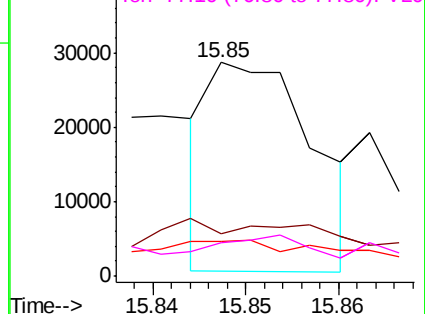
Abundance

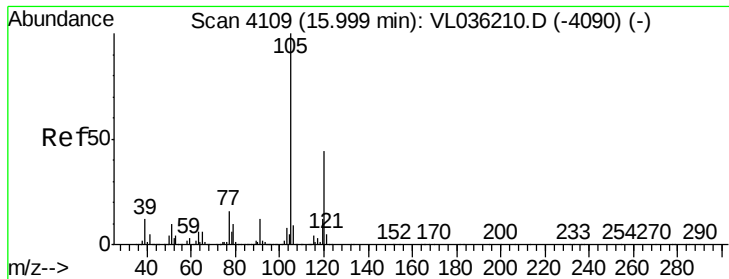
Ion 105.10 (104.80 to 105.80): V

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: 0.045 ppbv

RT: 16.02 min Scan# 4115

Delta R.T. 0.02 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampled :

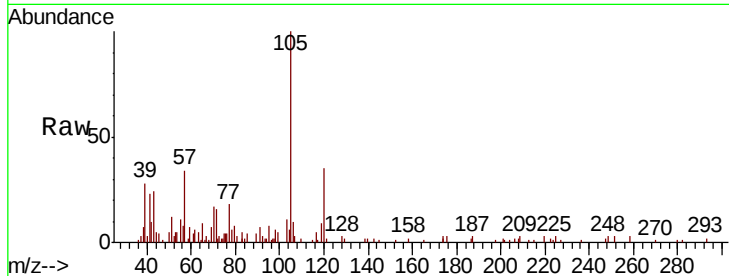
0121-SS3

Tot Ion:105 Resp: 17049

Ion Ratio Lower Upper

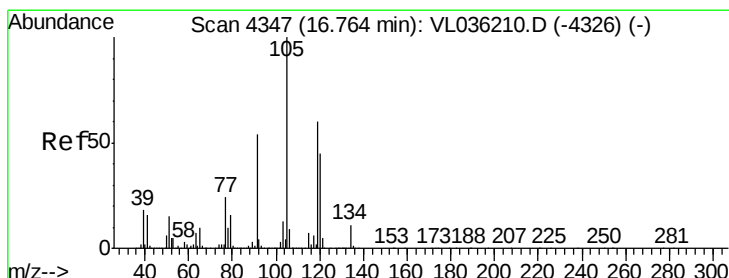
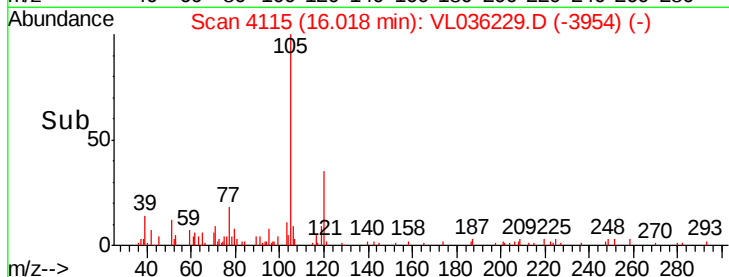
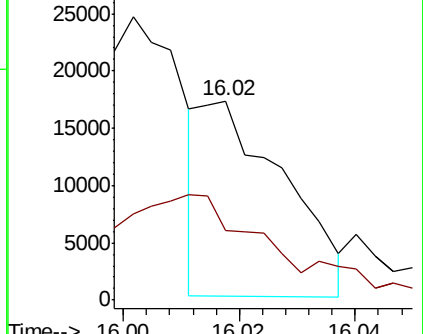
105 100

120 23.2 35.5 53.3#



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: 0.470 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Tgt Ion:105 Resp: 184249

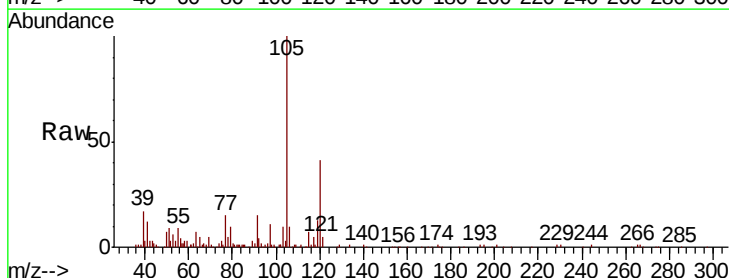
Ion Ratio Lower Upper

105 100

120 41.0 36.2 54.2

91 14.2 43.3 64.9#

77 12.8 19.1 28.7#

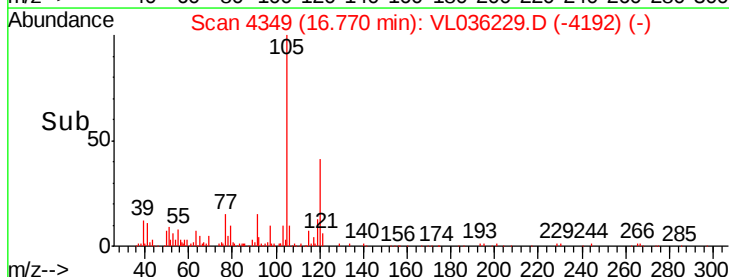
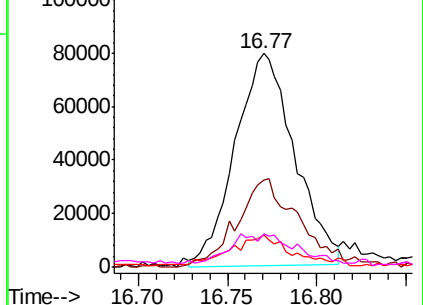


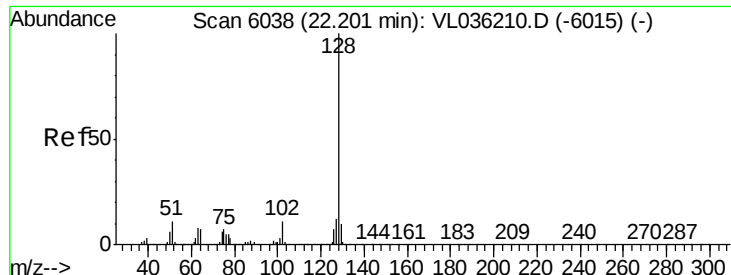
Abundance Ion 105.10 (104.80 to 105.80): V

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





#79

Naphthalene

Concen: 0.032 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. 0.01 min

Lab File: VL036229.D

Acq: 13 Jan 2021 17:27

Instrument :

MSVOA_L

ClientSampleId :

0121-SS3

Tot Ion:128 Resp: 7169

Ion Ratio Lower Upper

128 100

127 33.0 9.9 14.9#

129 27.4 8.4 12.6#

