

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040821\
 Data File : VL036754.D
 Acq On : 8 Apr 2021 17:24
 Operator : SY/AP
 Sample : M1981-02DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL

Quant Time: Apr 09 08:39:52 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	5.66	49	1501205	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3726431	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3009951	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1899756	7.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.20%

Target Compounds

					Ovalue
4) Chloromethane	3.13	50	3466	0.035 ppbv	# 73
5) Vinyl Chloride	3.25	62	170118	1.670 ppbv	94
9) Propene	3.01	41	168134	1.880 ppbv	93
10) Heptane	8.12	43	105952	0.465 ppbv	98
13) Ethanol	3.61	45	2411	0.226 ppbv	# 34
15) Acetone	3.84	43	3282123	22.213 ppbv	99
16) 1,3-Butadiene	3.33	39	7692	0.075 ppbv	# 13
17) tert-Butyl alcohol	4.29	59	4437	0.034 ppbv	# 72
19) Isopropyl Alcohol	3.97	45	178253	2.193 ppbv	# 1
20) Methylene Chloride	4.34	84	34861	0.504 ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	12952	0.197 ppbv	# 71
23) Vinyl Acetate	5.06	43	16193	0.064 ppbv	# 1
25) Ethyl Acetate	5.68	43	80114	0.228 ppbv	# 84
26) Hexane	5.68	57	102571	0.629 ppbv	# 45
27) Carbon Disulfide	4.55	76	90891	0.566 ppbv	# 88
30) Cyclohexane	7.13	84	80588	0.610 ppbv	# 86
31) cis-1,2-Dichloroethene	5.54	61	308047	1.954 ppbv	99
34) 2-Butanone	5.24	43	631918	3.474 ppbv	98
36) Benzene	6.89	78	106349	0.309 ppbv	96
38) Trichloroethene	7.83	130	345359	2.582 ppbv	93
39) 1,2-Dichloropropane	7.17	63	945848	6.785 ppbv	# 22
42) Bromodichloromethane	7.79	83	32974	0.120 ppbv	# 24
44) 2,2,4-Trimethylpentane	7.87	57	1548641	2.560 ppbv	# 73
47) 1,1,2-Trichloroethane	9.55	97	6394	0.045 ppbv	# 53
50) 4-Methyl-2-Pentanone	8.75	43	93387	0.355 ppbv	95
51) 2-Hexanone	10.10	43	376501	2.835 ppbv	# 35
53) Toluene	9.80	91	134049	0.366 ppbv	99
57) Chlorobenzene	12.14	112	13699	0.053 ppbv	# 67
58) Ethyl Benzene	12.71	91	81668	0.186 ppbv	96
59) m/p-Xylene	12.99	91	83294	0.218 ppbv	# 32
60) o-Xylene	13.69	91	315012	0.853 ppbv	96
62) Isopropylbenzene	14.67	105	48804	0.098 ppbv	# 71
64) n-propylbenzene	15.56	120	10042	0.083 ppbv	# 1
65) tert-Butylbenzene	16.75	119	21784	0.051 ppbv	# 1
67) sec-Butylbenzene	17.28	105	62257	0.102 ppbv	98
69) p-Isopropyltoluene	17.65	119	69116	0.145 ppbv	# 68
70) n-Butylbenzene	18.54	91	18021	0.037 ppbv	# 30
71) 2-Chlorotoluene	15.56	91	84529	0.227 ppbv	75
72) 4-Ethyltoluene	15.84	105	105380	0.260 ppbv	# 92
73) 1,3,5-Trimethylbenzene	16.00	105	105284	0.279 ppbv	90
74) 1,2,4-Trimethylbenzene	16.76	105	298020	0.737 ppbv	# 67

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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

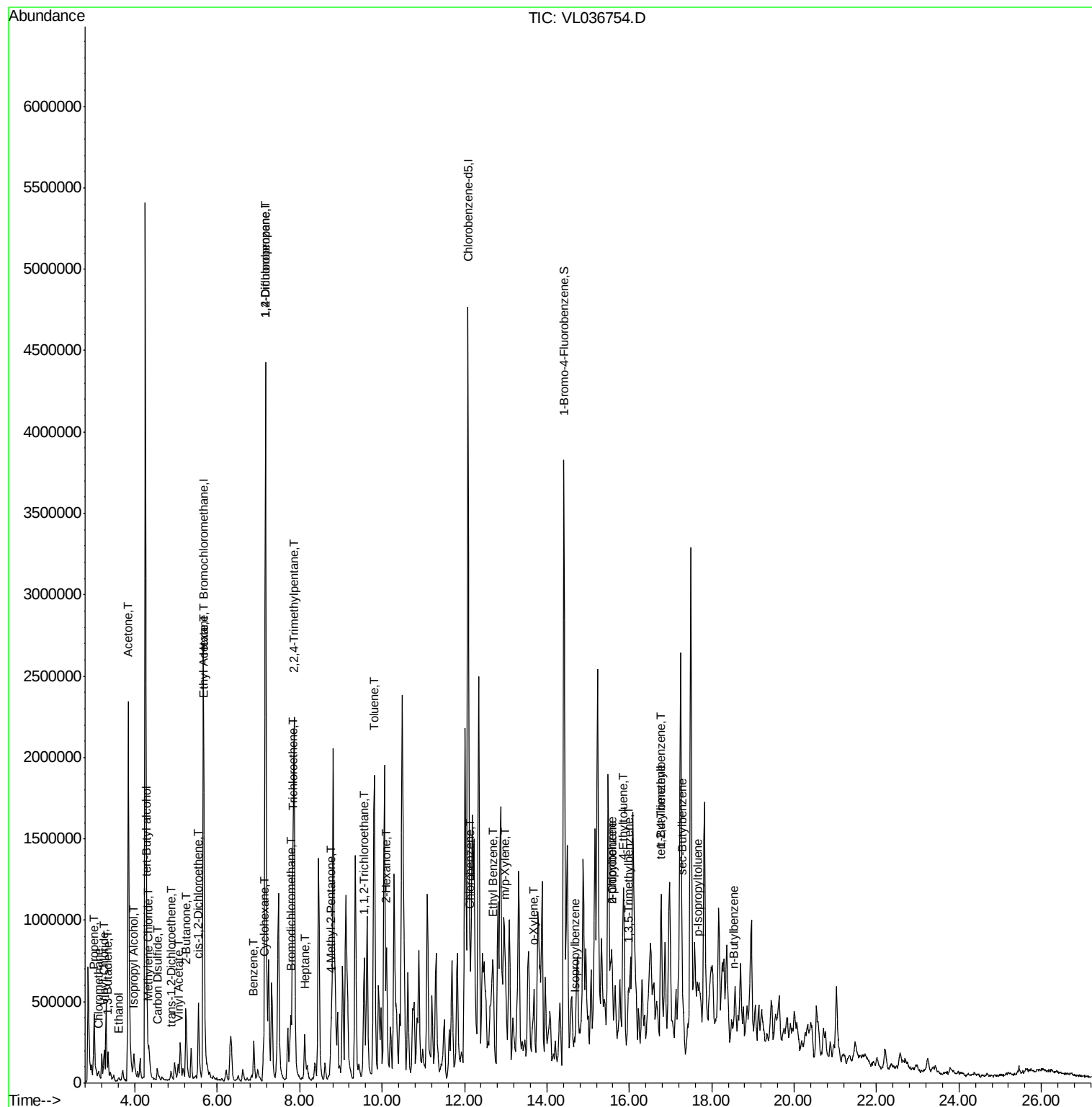
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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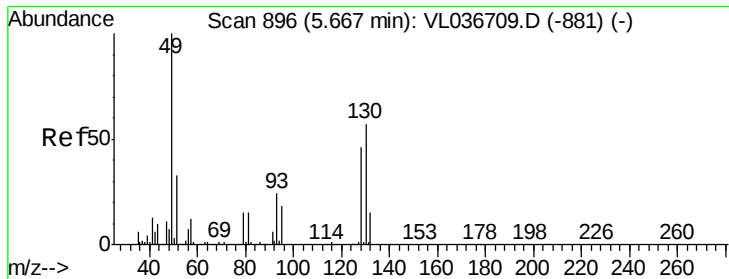
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

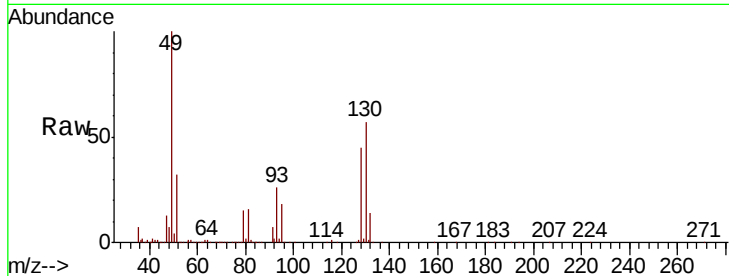
Tot Ion: 49 Resp: 1501205

Ion Ratio Lower Upper

49 100

128 46.3 23.5 70.6

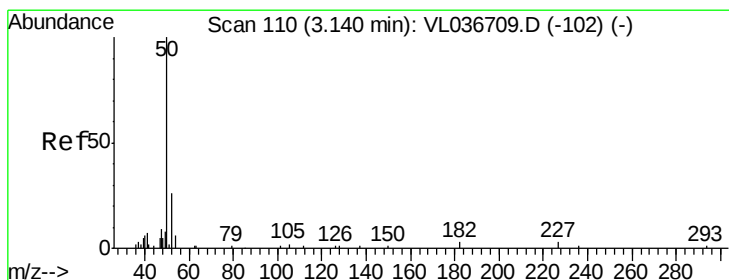
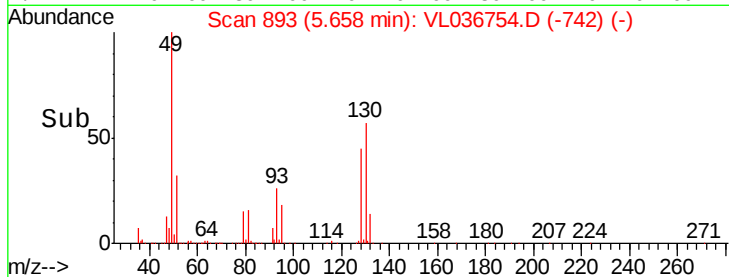
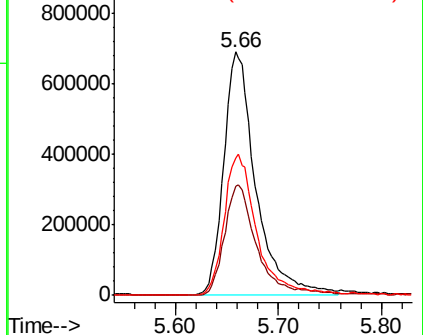
130 60.3 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#4

Chloromethane

Concen: 0.035 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036754.D

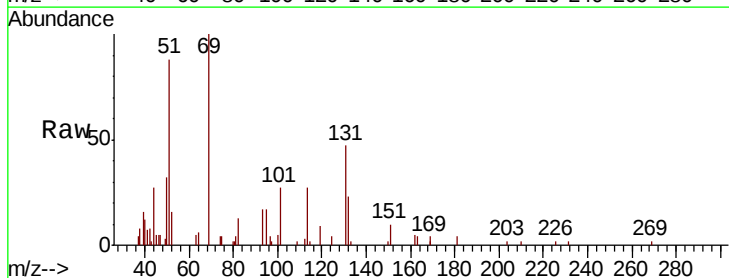
Acq: 8 Apr 2021 17:24

Tgt Ion: 50 Resp: 3466

Ion Ratio Lower Upper

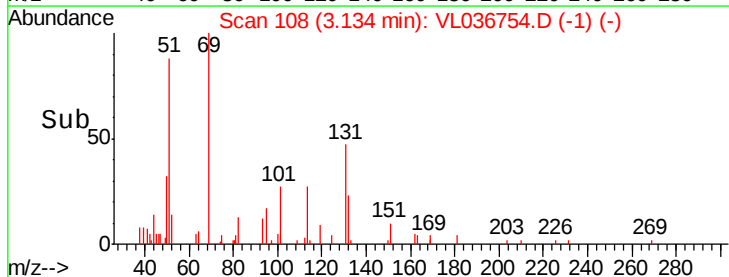
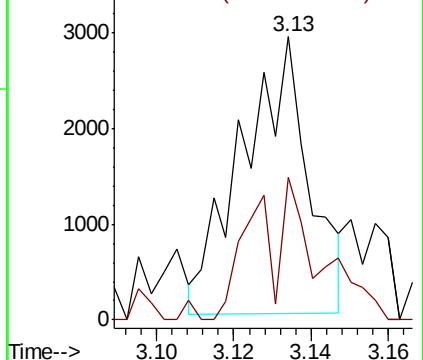
50 100

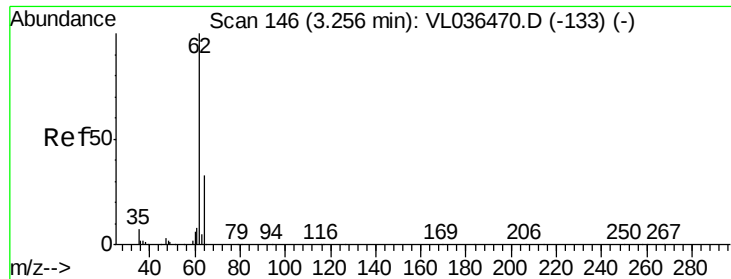
52 49.5 27.0 40.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.670 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

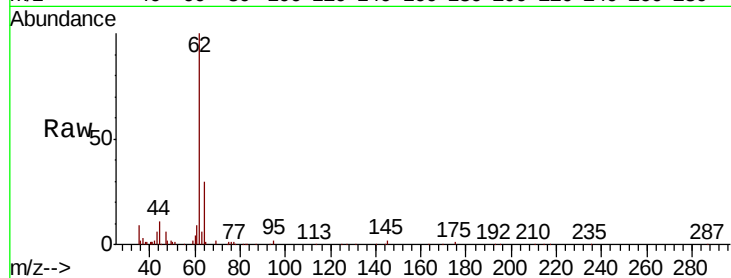
SG-4DL

Tot Ion: 62 Resp: 170118

Ion Ratio Lower Upper

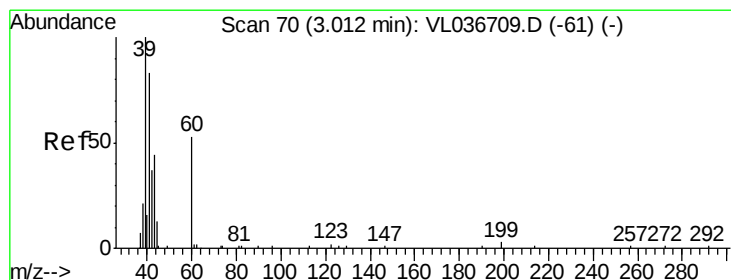
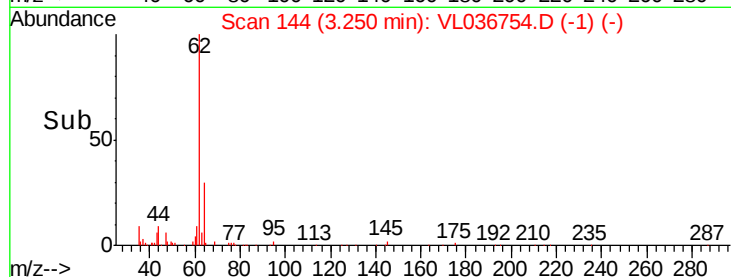
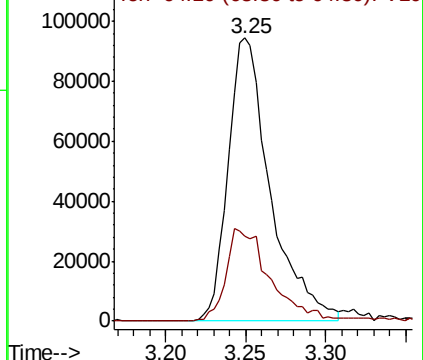
62 100

64 29.6 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: 1.880 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036754.D

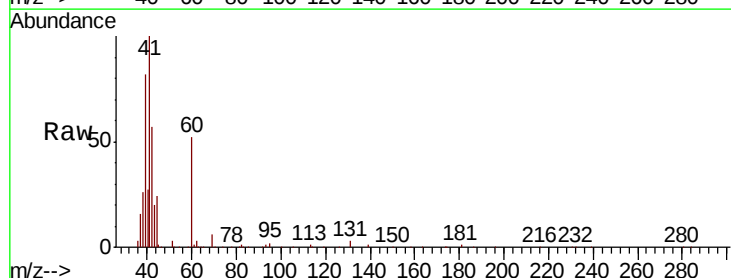
Acq: 8 Apr 2021 17:24

Tgt Ion: 41 Resp: 168134

Ion Ratio Lower Upper

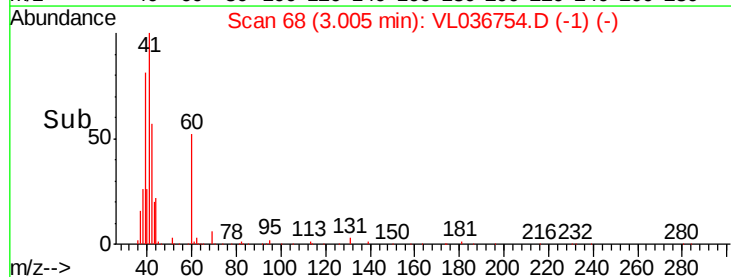
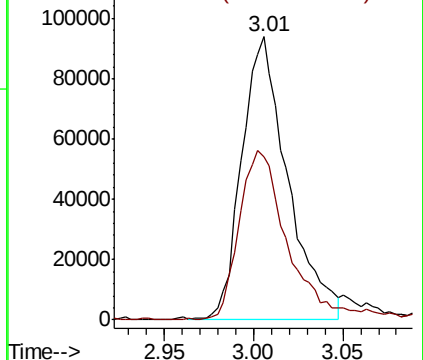
41 100

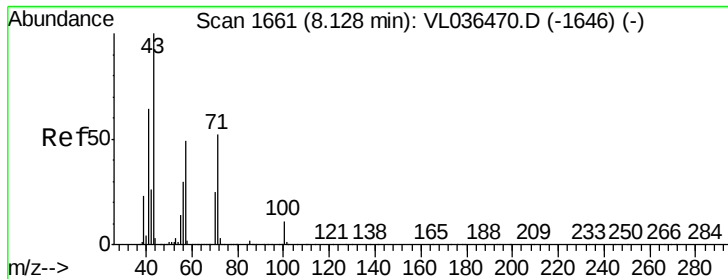
42 65.8 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 0.465 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

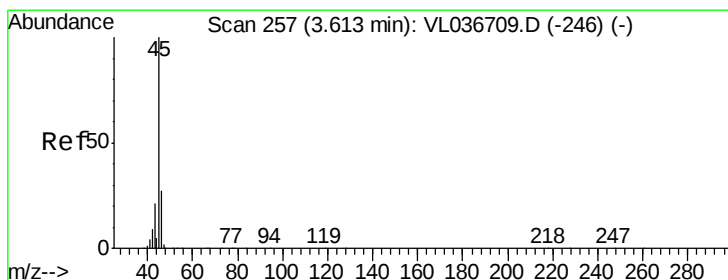
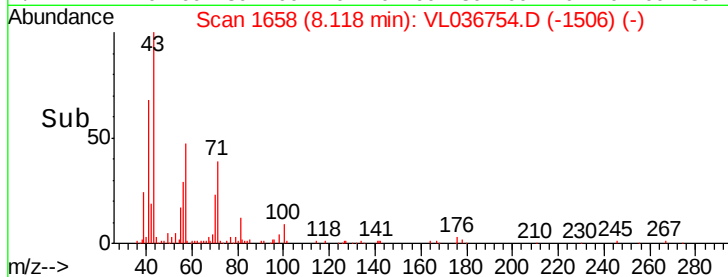
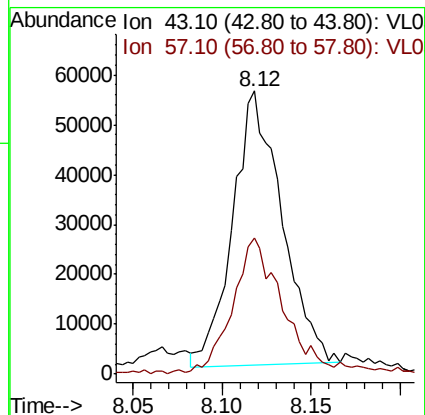
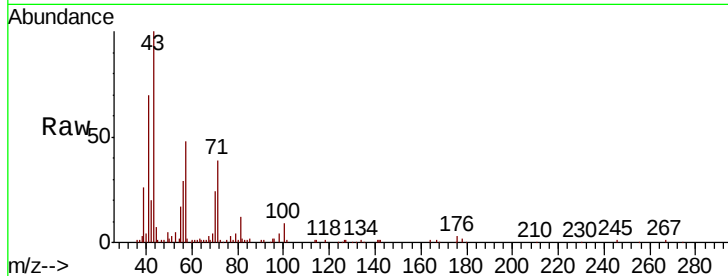
SG-4DL

Tot Ion: 43 Resp: 105952

Ion Ratio Lower Upper

43 100

57 50.0 39.0 58.6



#13

Ethanol

Concen: 0.226 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL036754.D

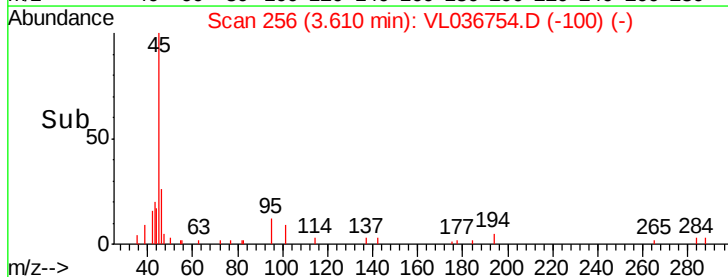
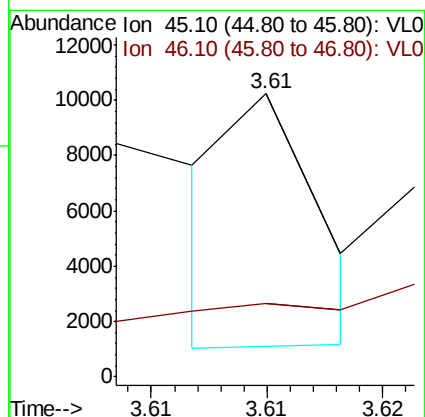
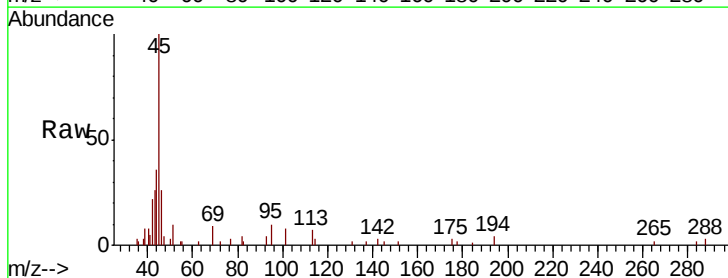
Acq: 8 Apr 2021 17:24

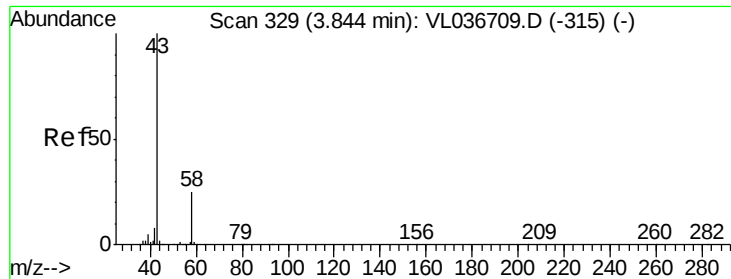
Tgt Ion: 45 Resp: 2411

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.2#

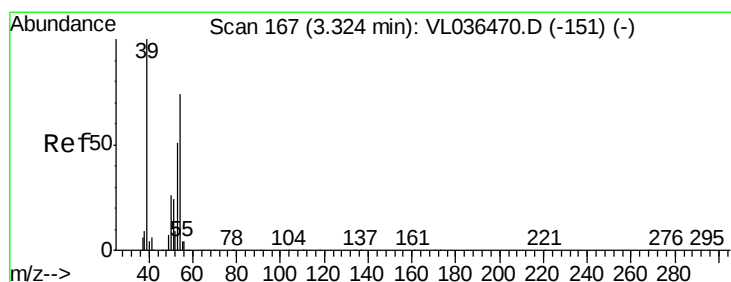
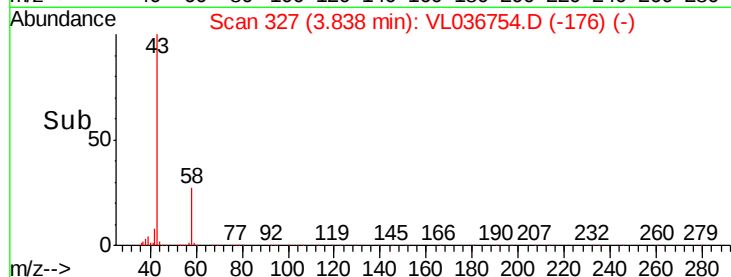
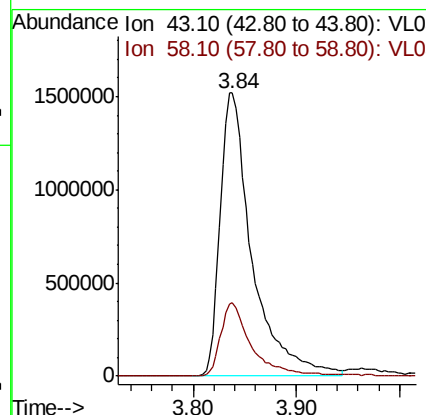
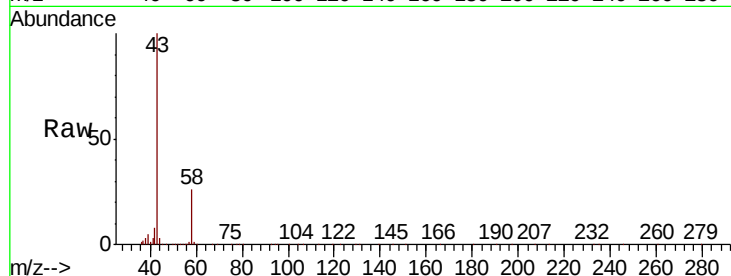




#15
Acetone
Concen: 22.213 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

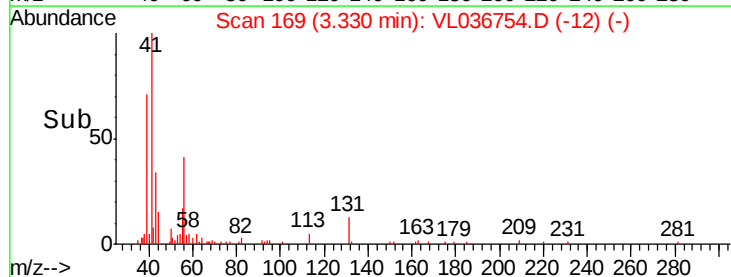
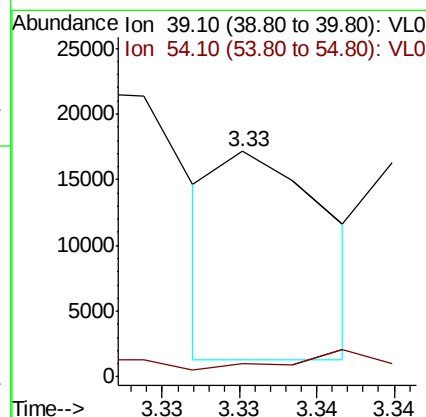
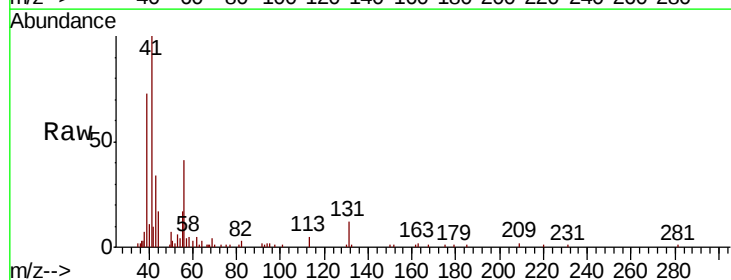
Instrument :
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ClientSampleId :
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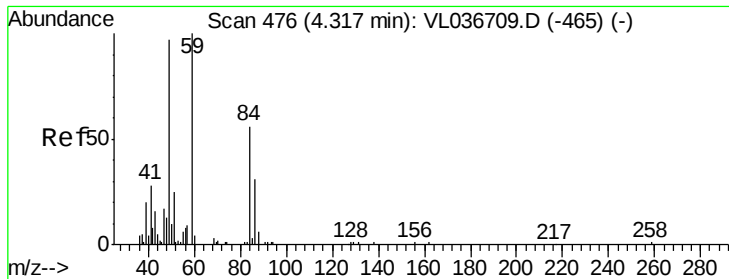
Tot Ion: 43 Resp: 3282123
Ion Ratio Lower Upper
43 100
58 25.9 21.2 31.8



#16
1,3-Butadiene
Concen: 0.075 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 39 Resp: 7692
Ion Ratio Lower Upper
39 100
54 0.0 58.8 88.2#



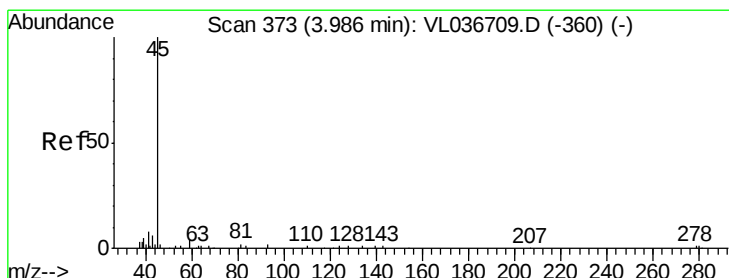
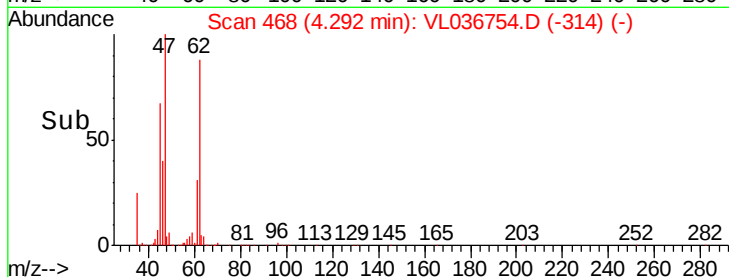
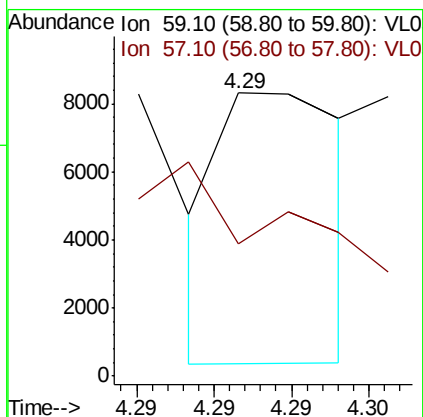
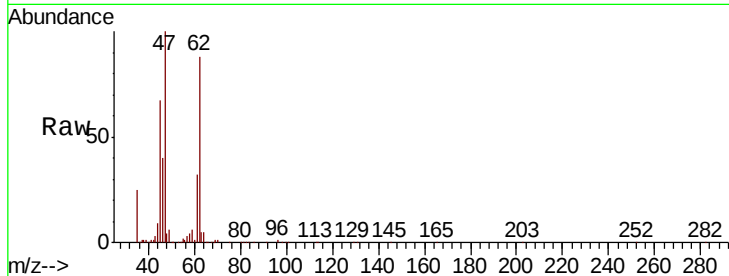


#17

tert-Butyl alcohol
Concen: 0.034 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Instrument :
MSVOA_L
ClientSampleID :
SG-4DL

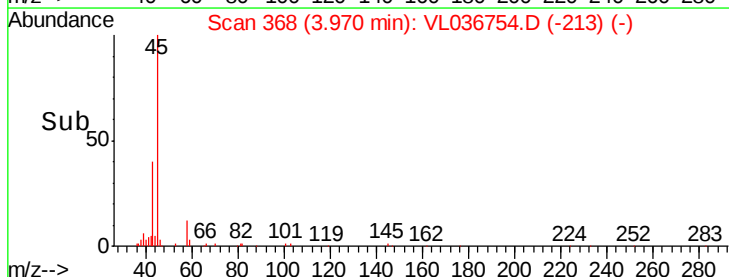
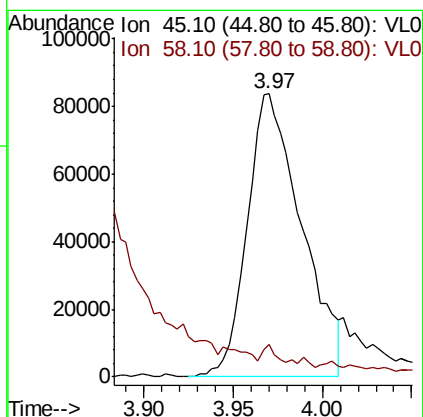
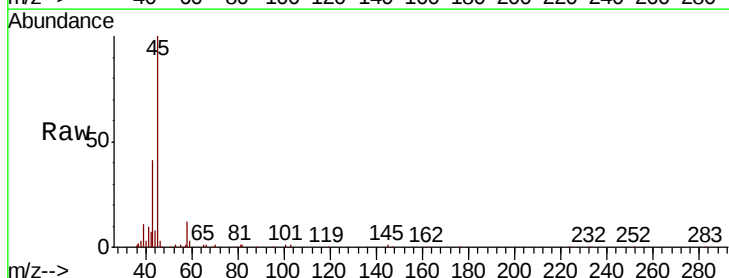
Tot Ion: 59 Resp: 4437
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

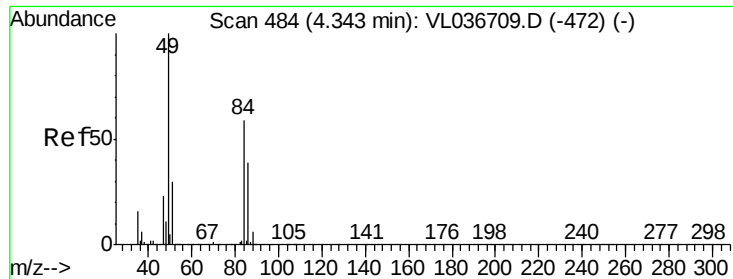


#19

Isopropyl Alcohol
Concen: 2.193 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.00 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 45 Resp: 178253
Ion Ratio Lower Upper
45 100
58 476.9 2.9 4.3#



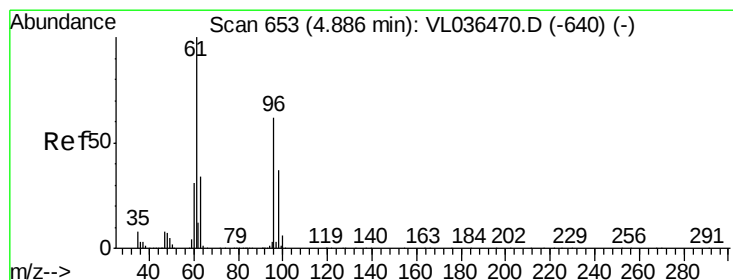
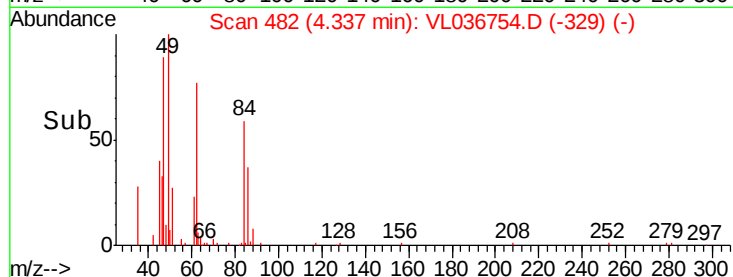
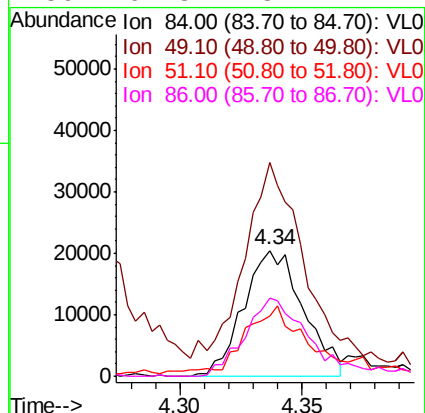
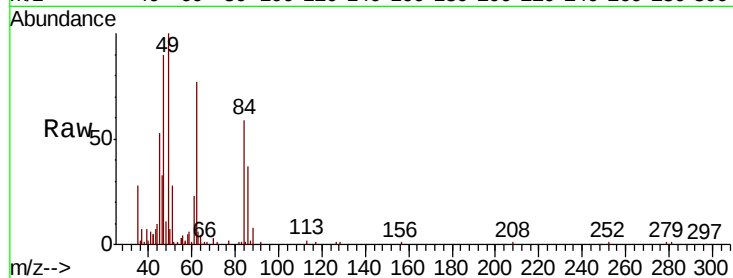


#20
Methylene Chloride
Concen: 0.504 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Instrument :
MSVOA_L
ClientSampled :
SG-4DL

Tot Ion: 84 Resp: 34861

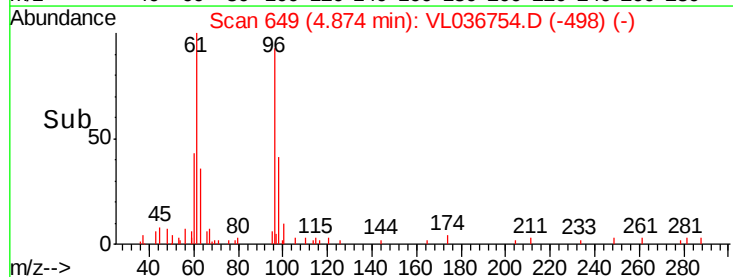
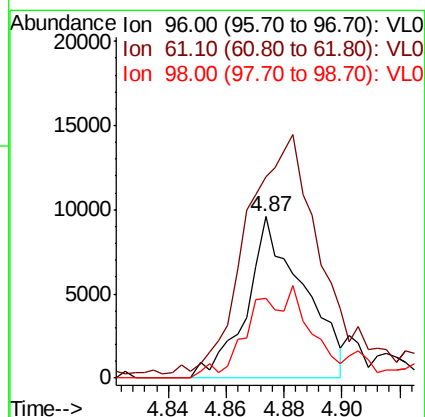
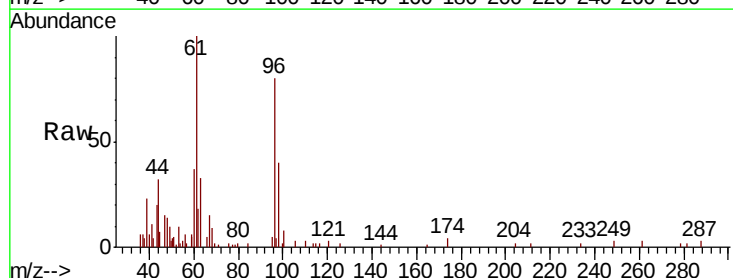
Ion	Ratio	Lower	Upper
84	100		
49	154.3	122.9	184.3
51	41.7	36.9	55.3
86	62.3	48.2	72.4

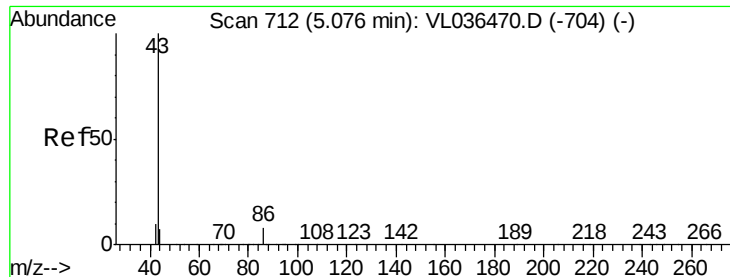


#22
trans-1,2-Dichloroethene
Concen: 0.197 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 96 Resp: 12952

Ion	Ratio	Lower	Upper
96	100		
61	116.4	129.4	194.0#
98	49.7	48.2	72.4





#23

Vinyl Acetate

Concen: 0.064 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

Tot Ion: 43 Resp: 16193

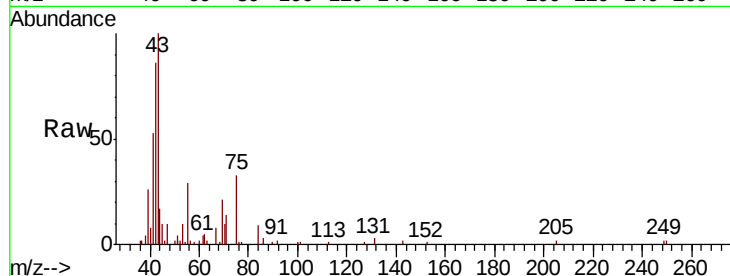
Ion Ratio Lower Upper

43 100

86 4.5 5.4 8.0#

42 101.0 8.5 12.7#

44 0.0 4.6 7.0#

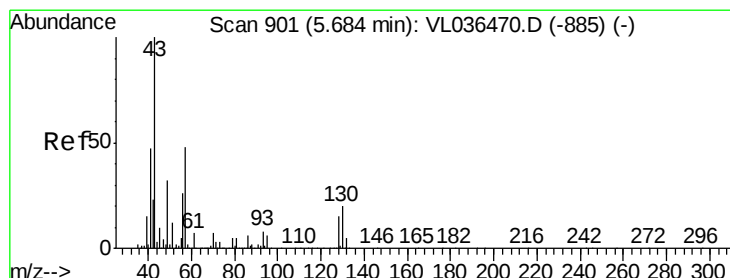
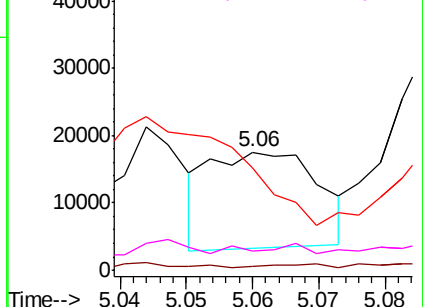
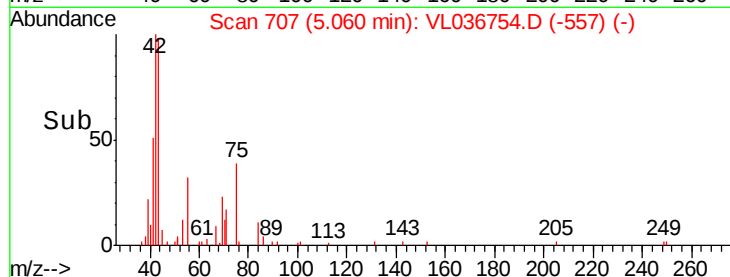


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 0.228 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Tgt Ion: 43 Resp: 80114

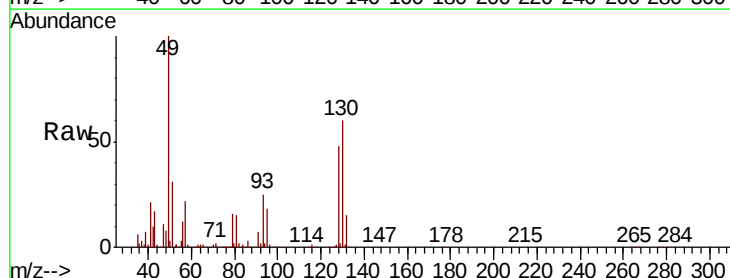
Ion Ratio Lower Upper

43 100

45 6.6 7.9 11.9#

61 0.0 7.4 11.2#

70 2.6 5.1 7.7#

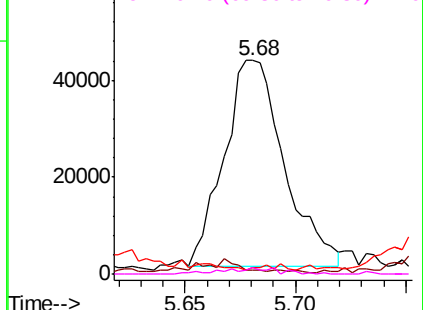
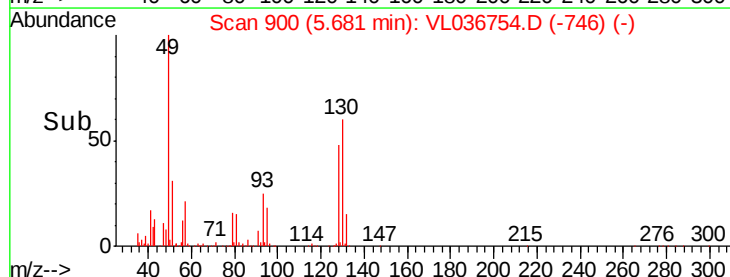


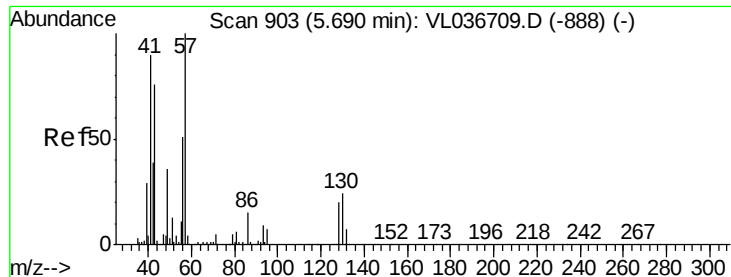
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

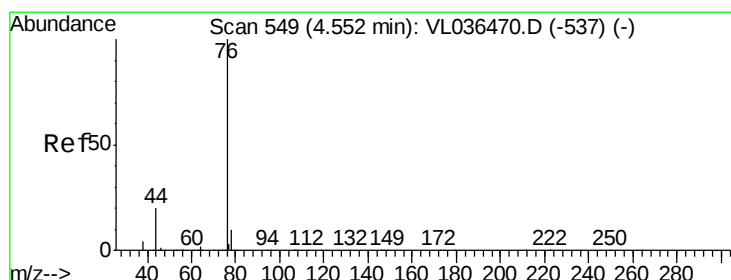
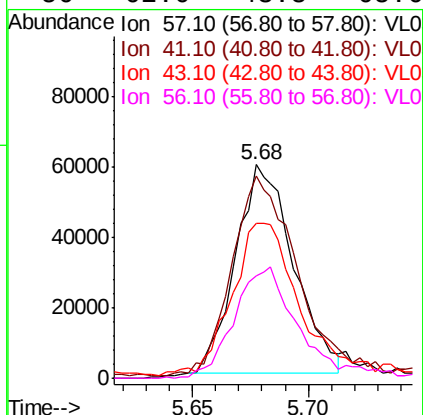
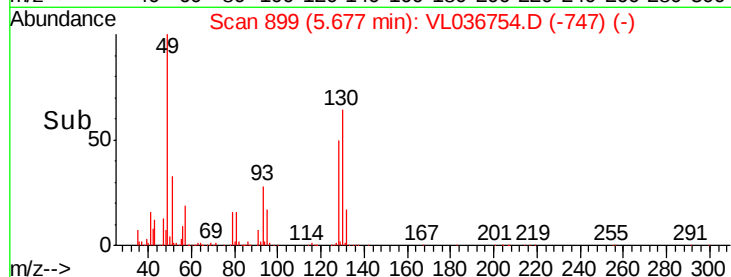
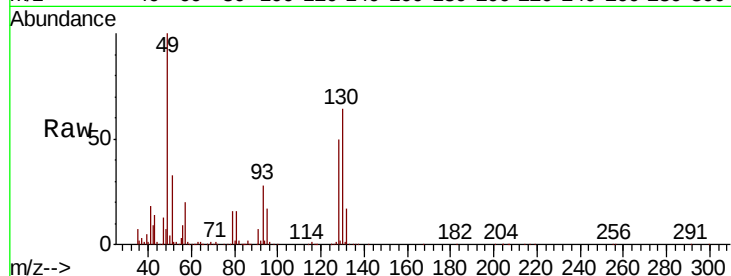




#26
Hexane
Concen: 0.629 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

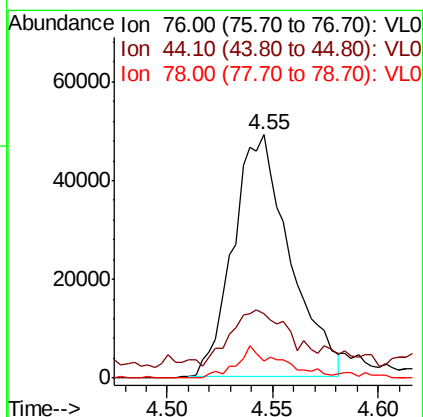
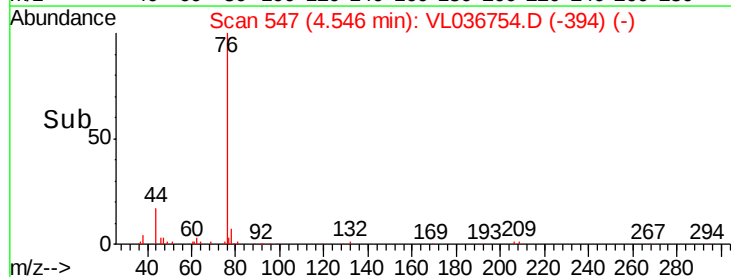
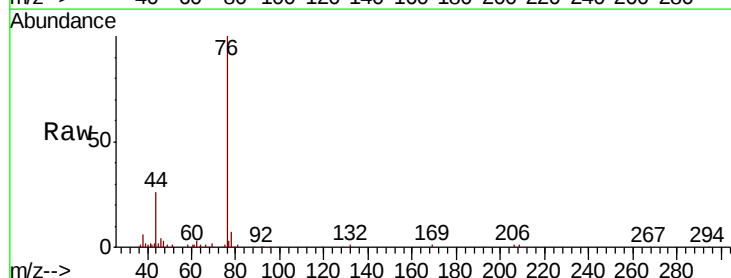
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

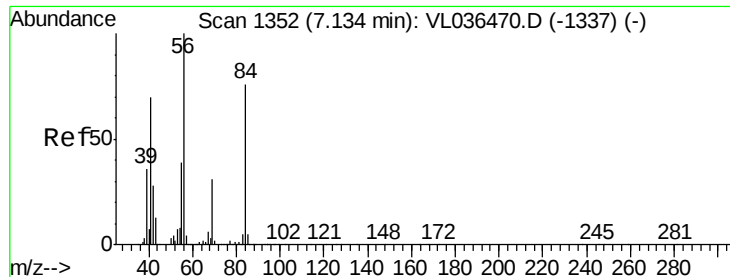
Tot Ion: 57 Resp: 102571
Ion Ratio Lower Upper
57 100
41 112.6 77.2 115.8
43 85.2 173.8 260.6#
56 62.0 43.8 65.6



#27
Carbon Disulfide
Concen: 0.566 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 76 Resp: 90891
Ion Ratio Lower Upper
76 100
44 29.9 17.5 26.3#
78 12.2 8.6 13.0

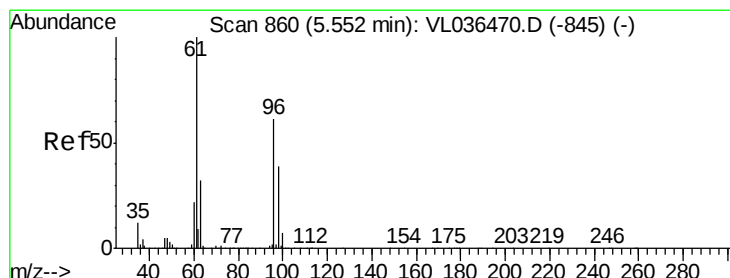
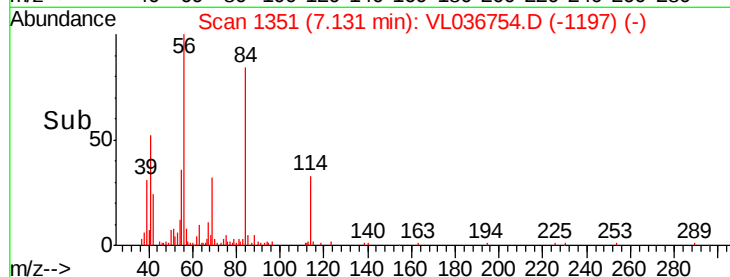
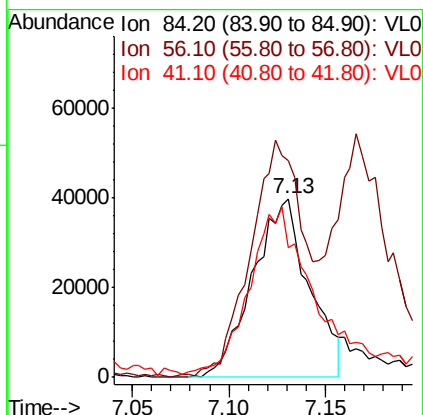
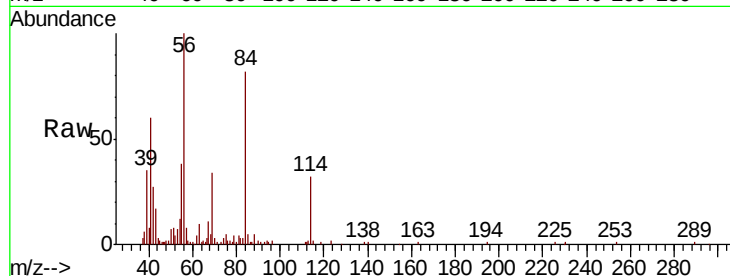




#30
Cyclohexane
Concen: 0.610 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

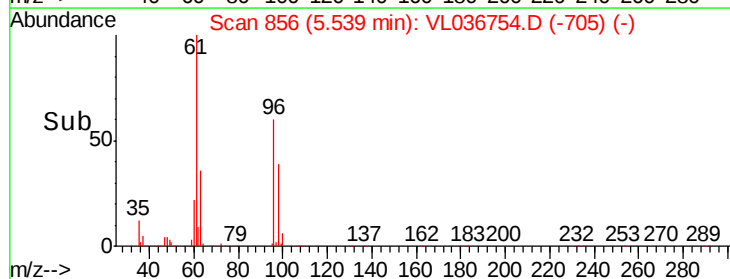
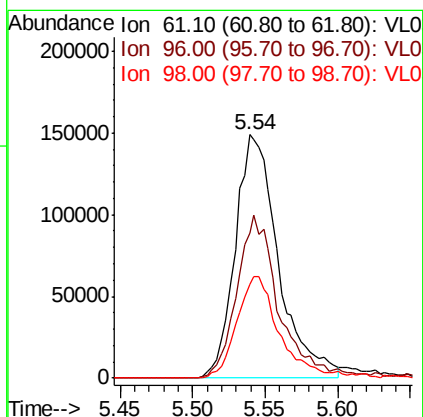
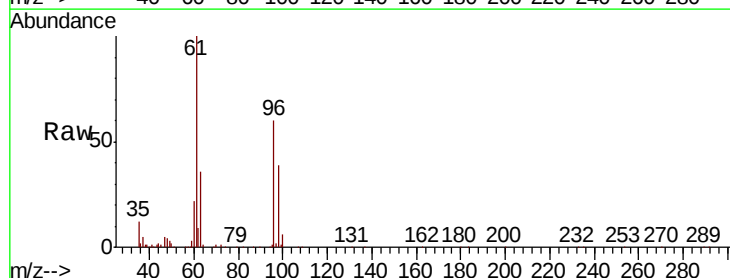
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

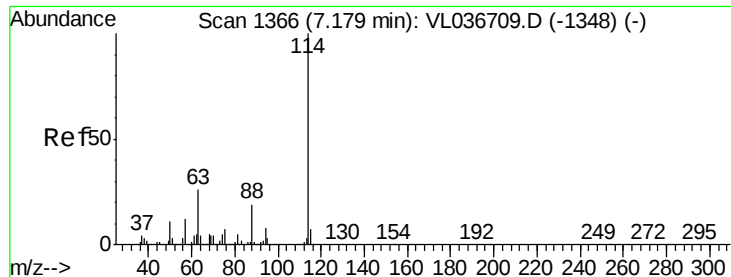
Tot Ion: 84 Resp: 80588
Ion Ratio Lower Upper
84 100
56 132.9 114.6 171.8
41 116.3 75.3 112.9#



#31
cis-1,2-Dichloroethene
Concen: 1.954 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 61 Resp: 308047
Ion Ratio Lower Upper
61 100
96 59.6 48.7 73.1
98 38.8 31.4 47.0

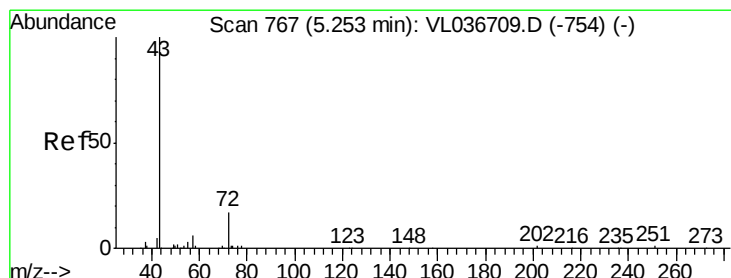
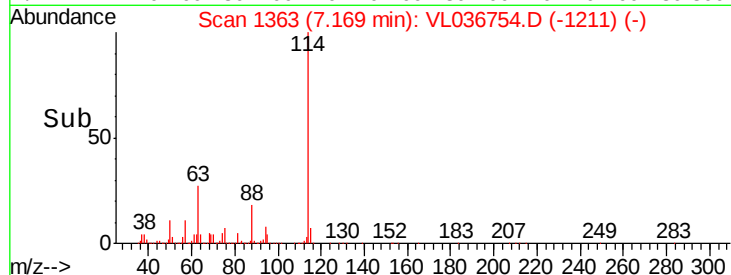
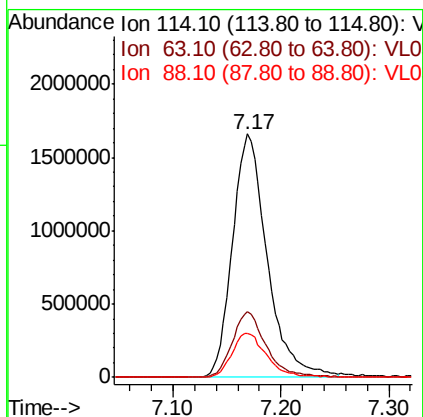
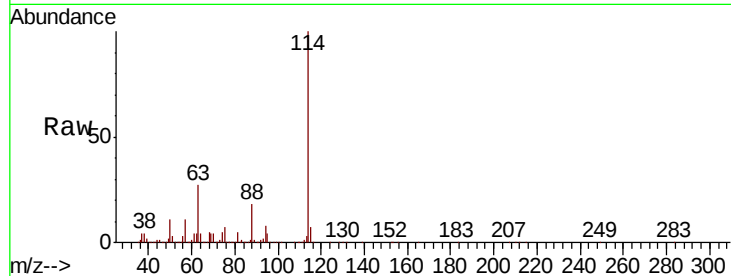




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL036754.D
 Acq: 8 Apr 2021 17:24

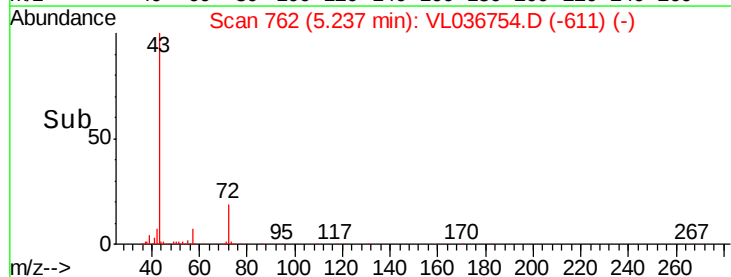
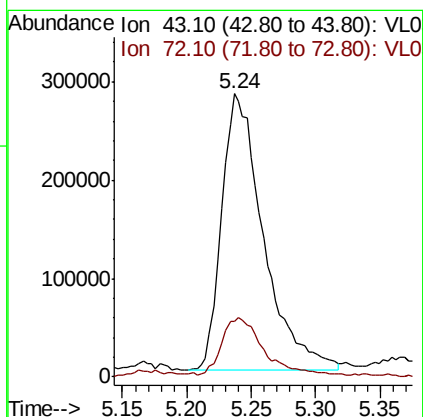
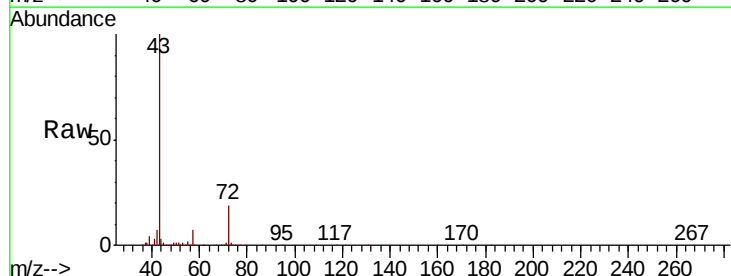
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL

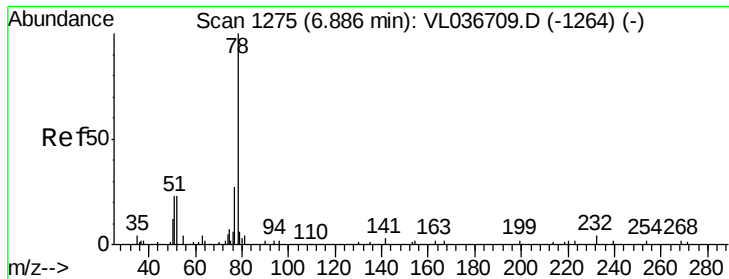
Tot Ion:114 Resp: 3726431
 Ion Ratio Lower Upper
 114 100
 63 26.6 22.4 33.6
 88 18.4 15.4 23.0



#34
 2-Butanone
 Concen: 3.474 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036754.D
 Acq: 8 Apr 2021 17:24

Tgt Ion: 43 Resp: 631918
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.0 25.6

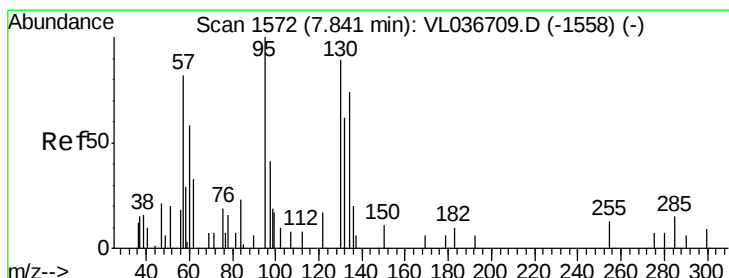
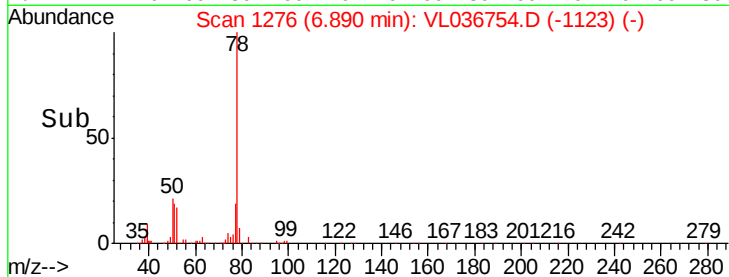
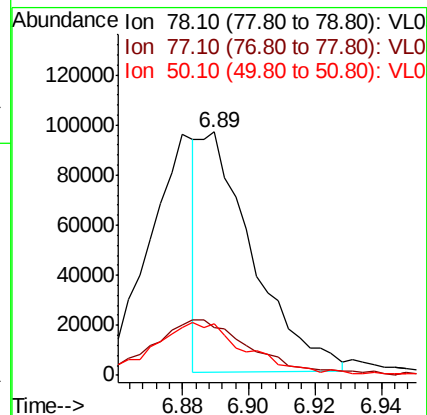
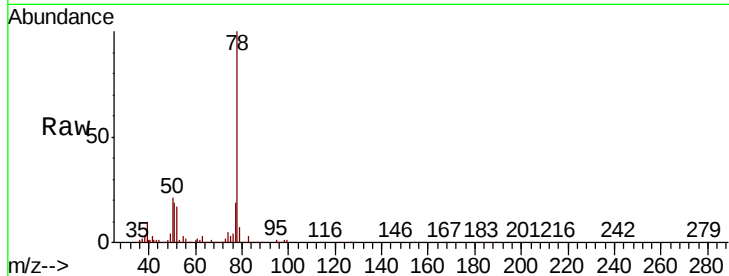




#36
Benzene
Concen: 0.309 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

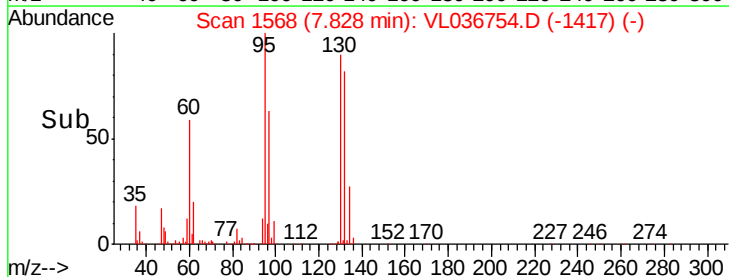
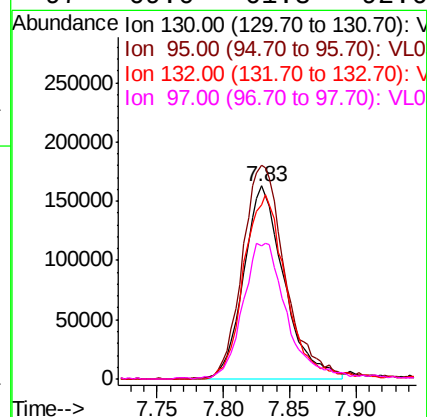
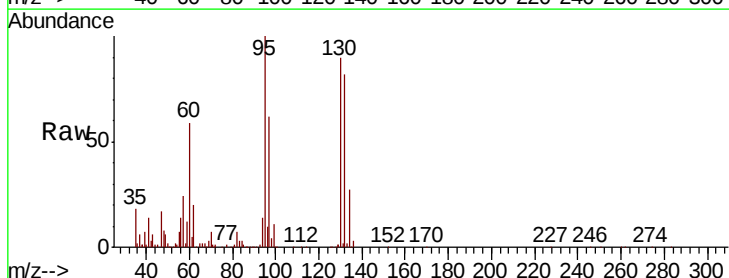
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

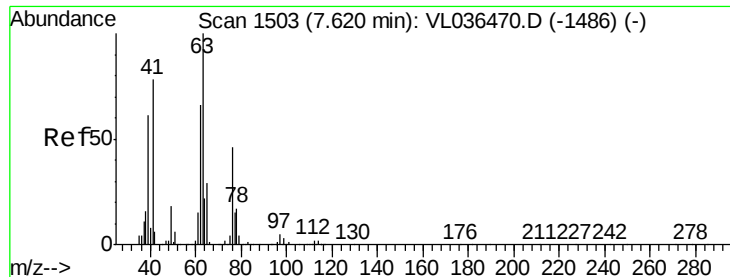
Tot Ion: 78 Resp: 106349
Ion Ratio Lower Upper
78 100
77 18.8 18.0 27.0
50 20.5 16.5 24.7



#38
Trichloroethene
Concen: 2.582 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 130 Resp: 345359
Ion Ratio Lower Upper
130 100
95 110.4 95.7 143.5
132 90.5 76.2 114.4
97 69.0 61.8 92.6





#39

1,2-Dichloropropane

Concen: 6.785 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

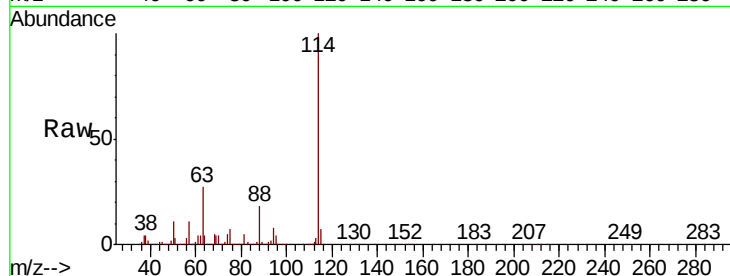
Tot Ion: 63 Resp: 945848

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

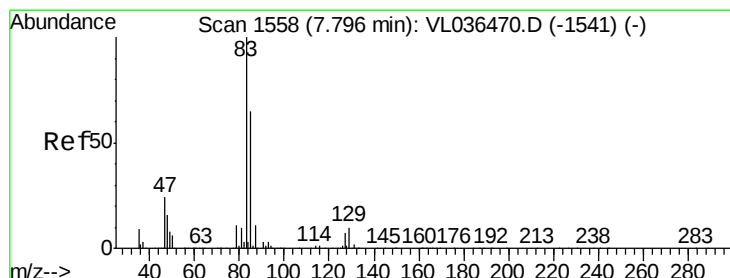
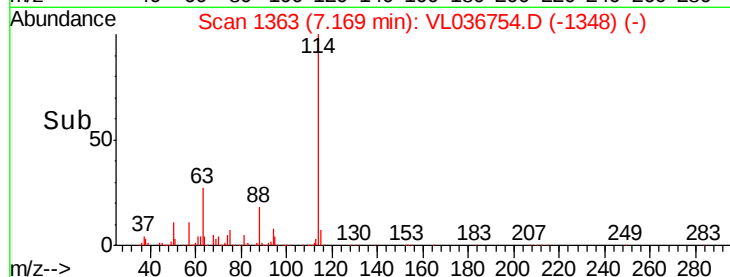
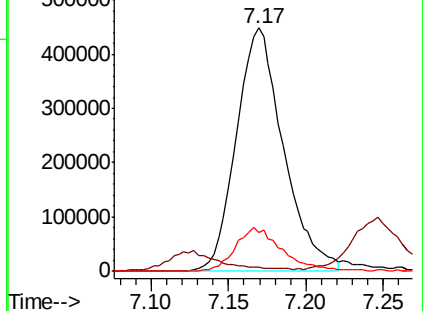
62 15.7 52.8 79.2#



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



#42

Bromodichloromethane

Concen: 0.120 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

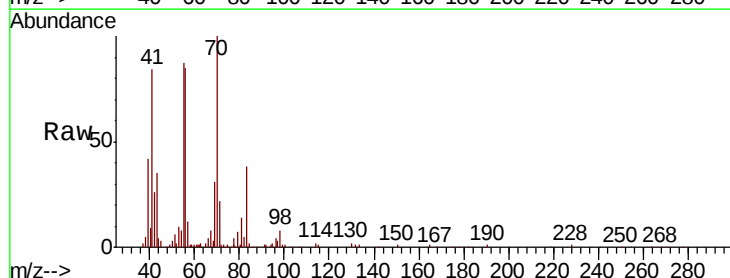
Tgt Ion: 83 Resp: 32974

Ion Ratio Lower Upper

83 100

85 0.0 51.8 77.6#

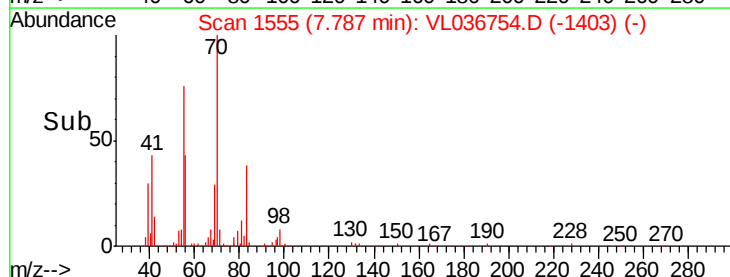
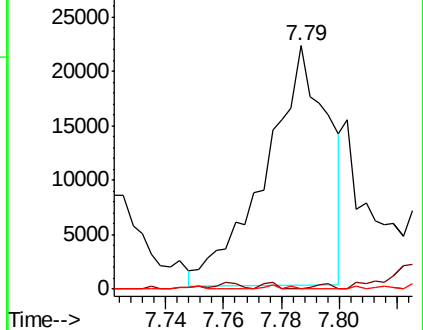
127 0.0 5.8 8.8#

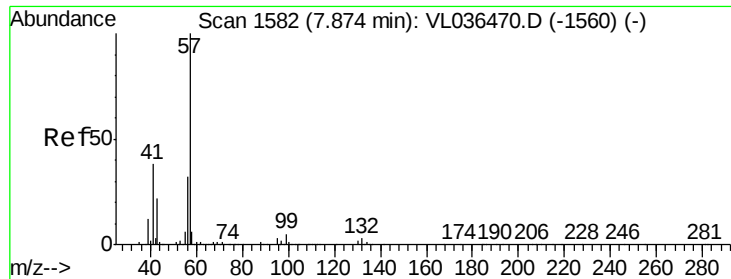


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#44

2,2,4-Trimethylpentane

Concen: 2.560 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

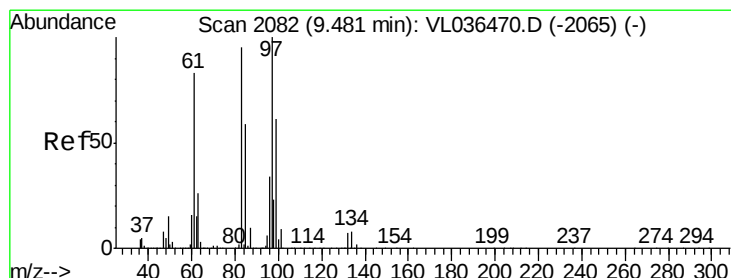
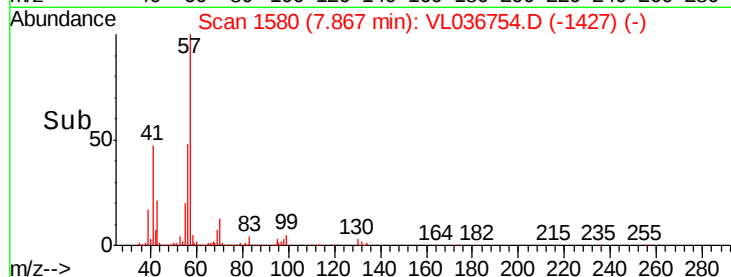
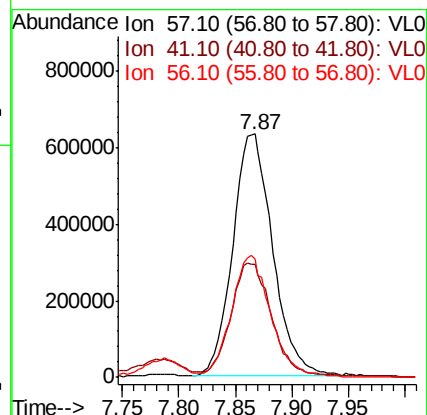
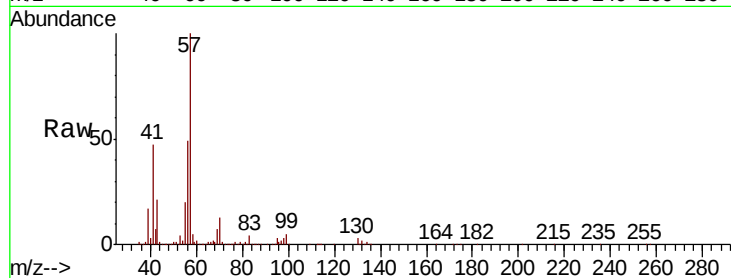
Tot Ion: 57 Resp: 1548641

Ion Ratio Lower Upper

57 100

41 50.1 28.8 43.2#

56 49.9 26.1 39.1#



#47

1,1,2-Trichloroethane

Concen: 0.045 ppbv

RT: 9.55 min Scan# 2104

Delta R.T. 0.07 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Tgt Ion: 97 Resp: 6394

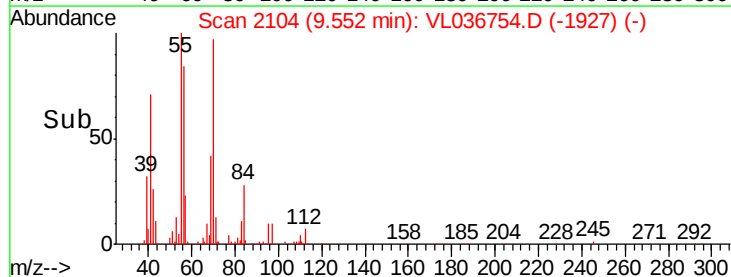
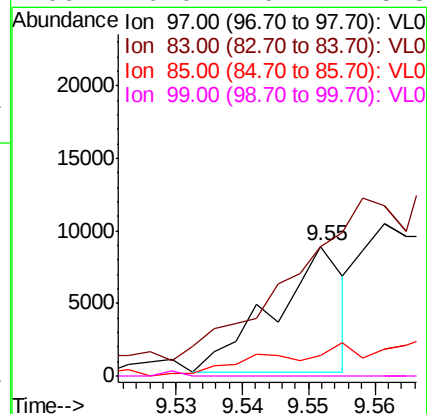
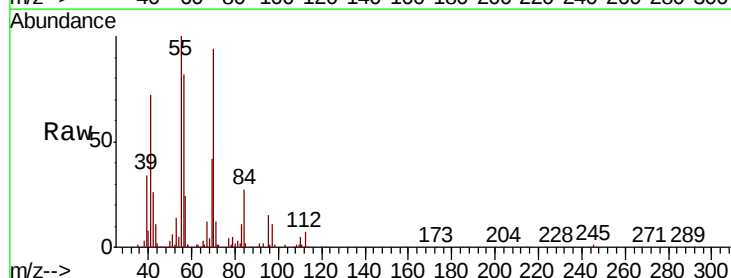
Ion Ratio Lower Upper

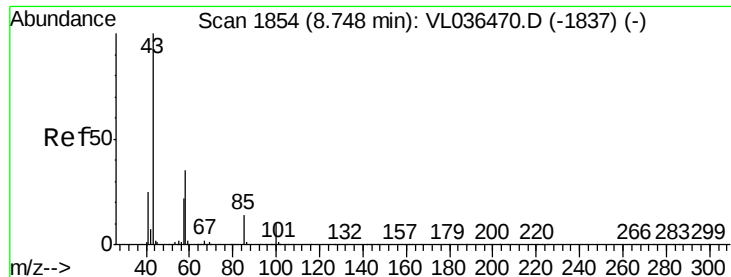
97 100

83 78.2 75.8 113.8

85 13.4 47.1 70.7#

99 0.0 49.2 73.8#

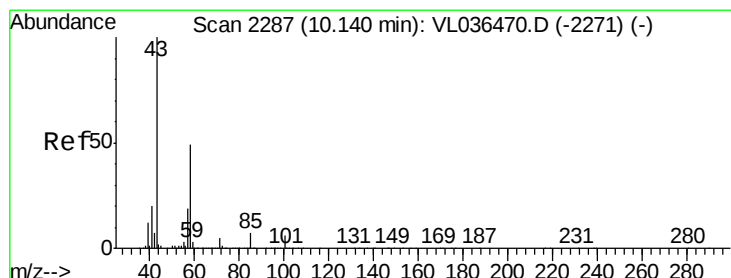
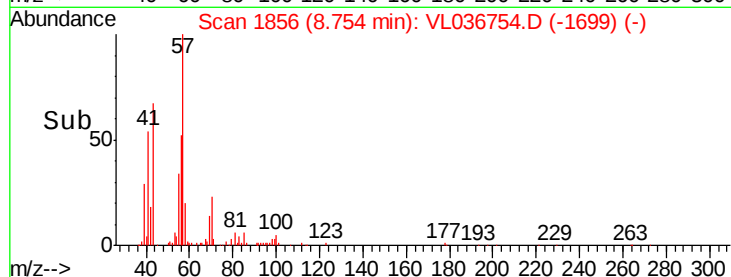
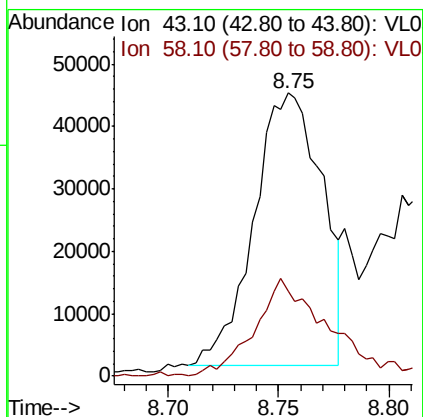
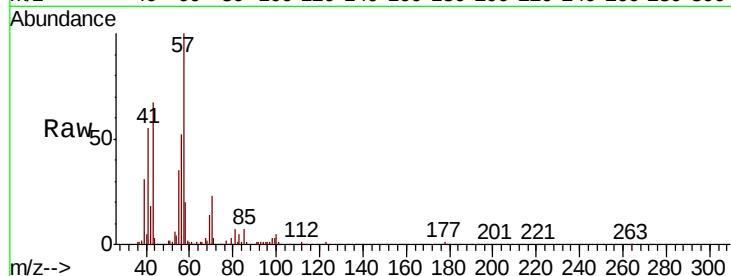




#50
4-Methyl-2-Pentanone
Concen: 0.355 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

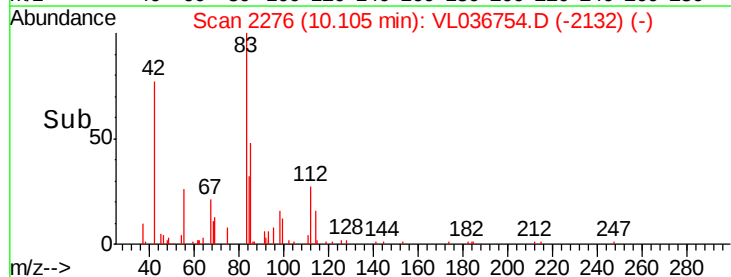
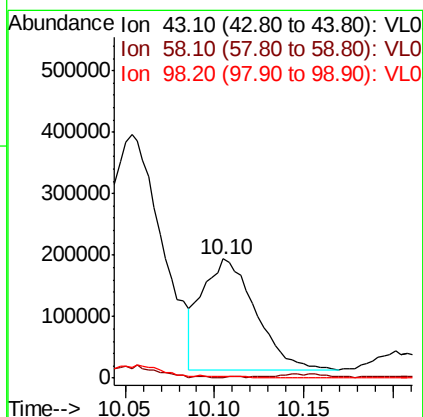
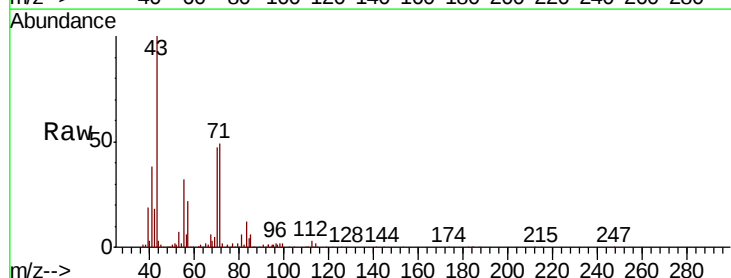
Instrument :
MSVOA_L
ClientSampled :
SG-4DL

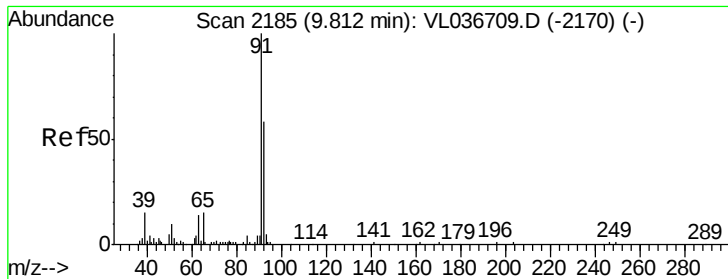
Tot Ion: 43 Resp: 93387
Ion Ratio Lower Upper
43 100
58 38.3 28.2 42.2



#51
2-Hexanone
Concen: 2.835 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.04 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 43 Resp: 376501
Ion Ratio Lower Upper
43 100
58 3.7 37.7 56.5#
98 0.0 0.2 0.2#





#53

Toluene

Concen: 0.366 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

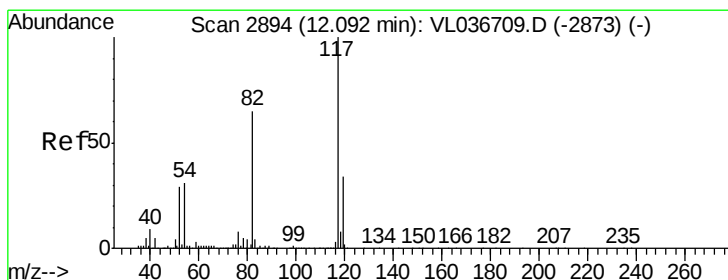
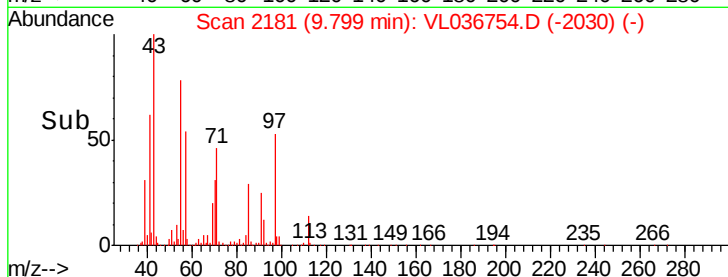
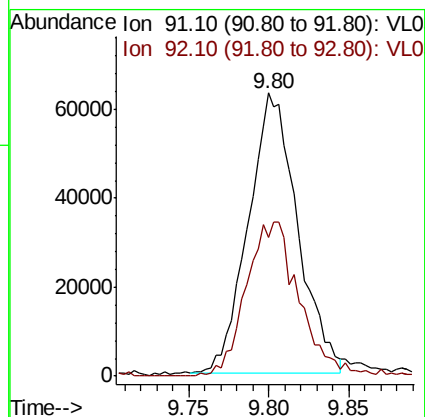
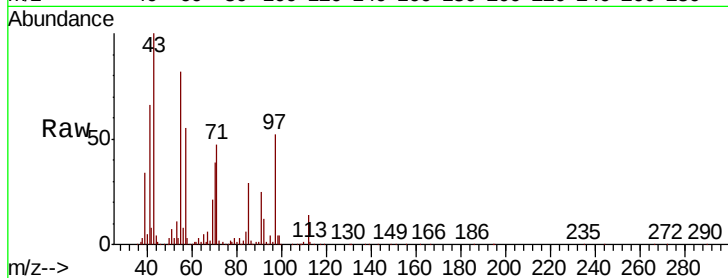
SG-4DL

Tot Ion: 91 Resp: 134049

Ion Ratio Lower Upper

91 100

92 60.3 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

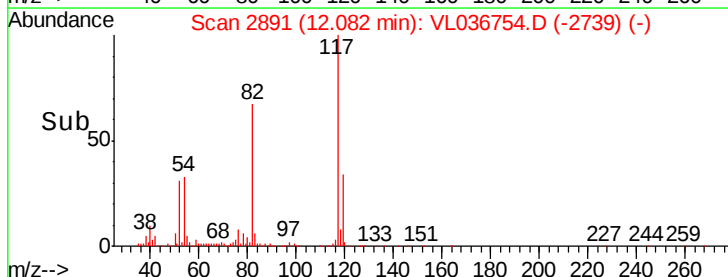
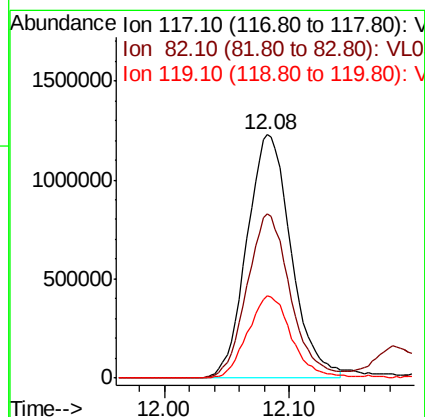
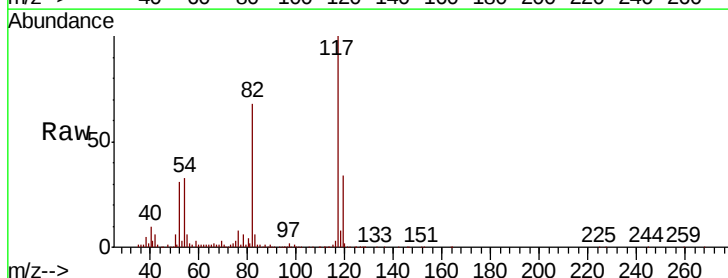
Tgt Ion: 117 Resp: 3009951

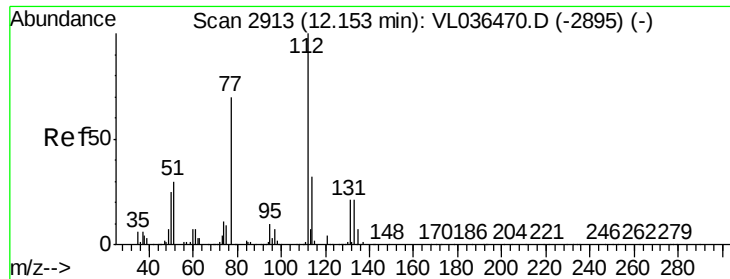
Ion Ratio Lower Upper

117 100

82 66.4 57.4 86.0

119 34.4 47.4 71.0#





#57

Chlorobenzene

Concen: 0.053 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampled :

SG-4DL

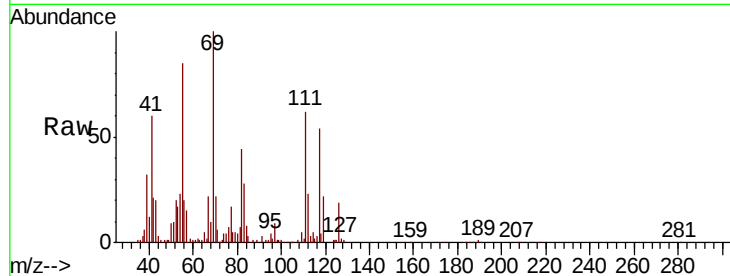
Tot Ion:112 Resp: 13699

Ion Ratio Lower Upper

112 100

77 35.2 56.0 84.0#

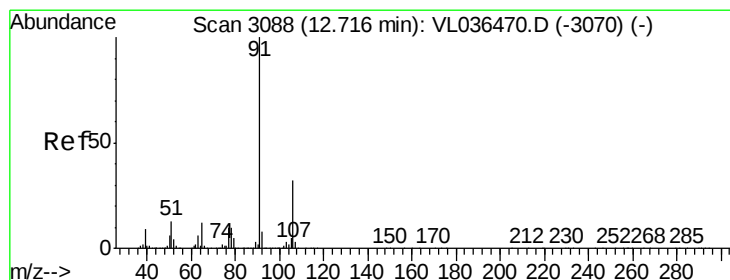
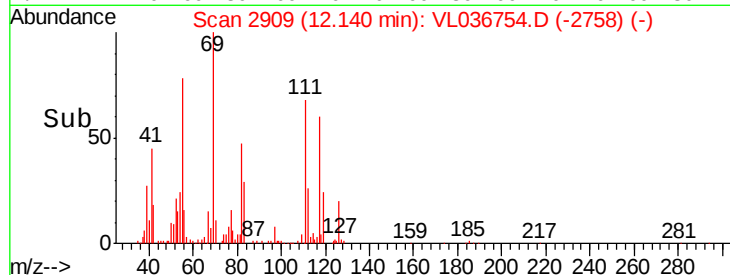
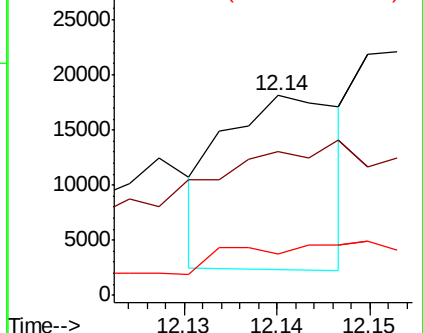
114 25.8 29.0 35.4#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.186 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. -0.01 min

Lab File: VL036754.D

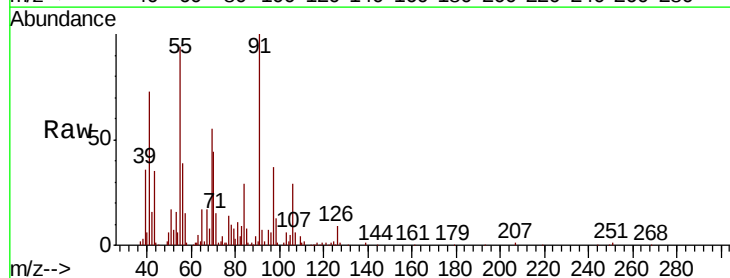
Acq: 8 Apr 2021 17:24

Tgt Ion: 91 Resp: 81668

Ion Ratio Lower Upper

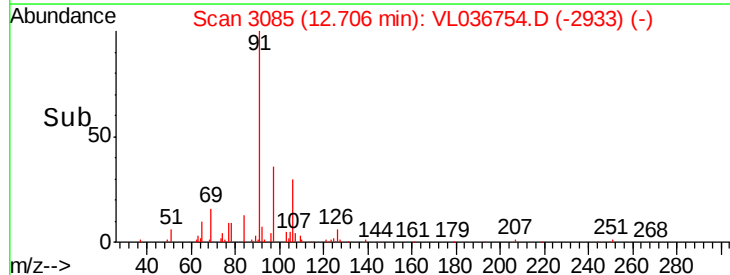
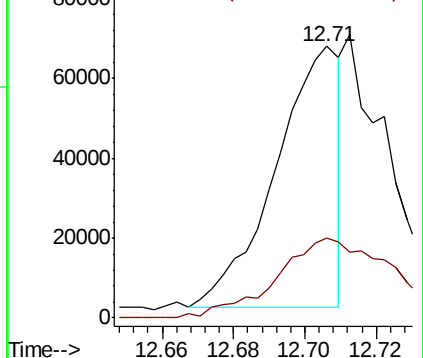
91 100

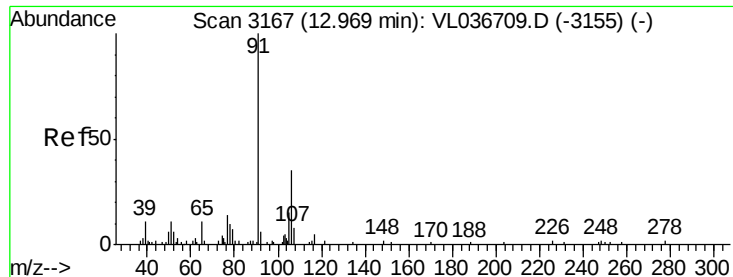
106 29.1 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.218 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

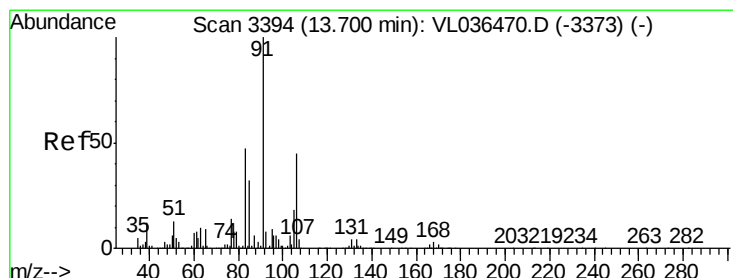
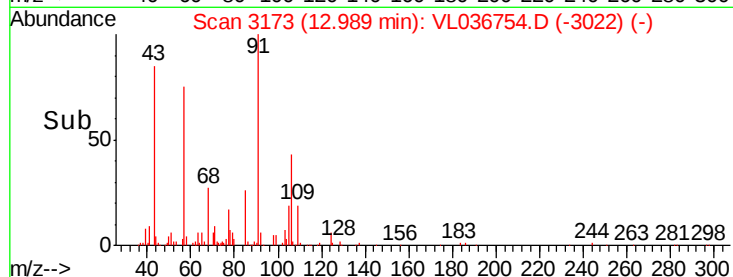
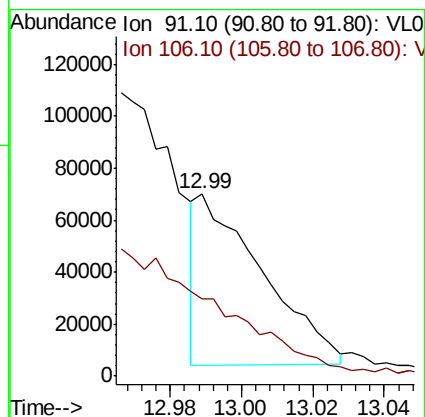
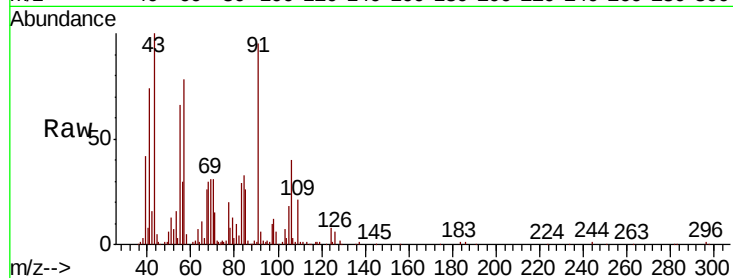
SG-4DL

Tot Ion: 91 Resp: 83294

Ion Ratio Lower Upper

91 100

106 0.0 35.3 52.9#



#60

o-Xylene

Concen: 0.853 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VL036754.D

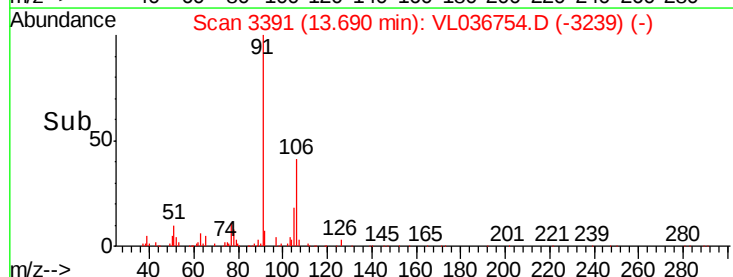
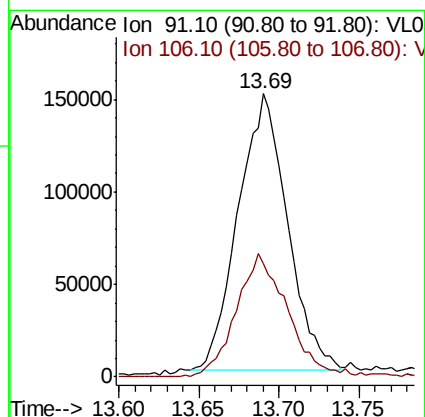
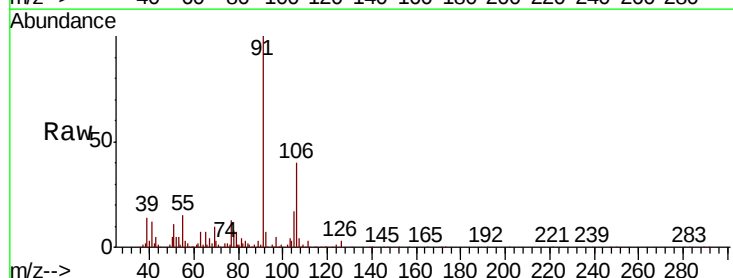
Acq: 8 Apr 2021 17:24

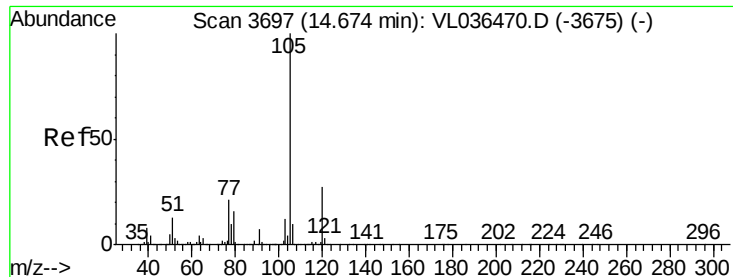
Tgt Ion: 91 Resp: 315012

Ion Ratio Lower Upper

91 100

106 47.1 22.3 66.9





#62

Isopropylbenzene

Concen: 0.098 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

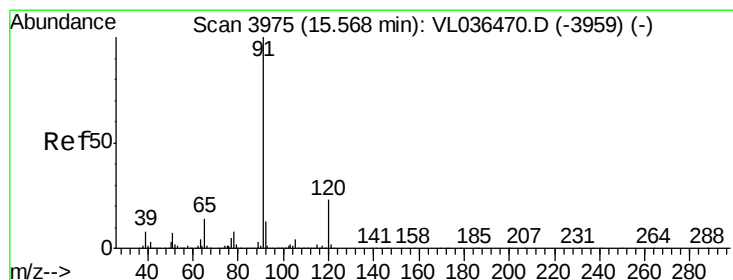
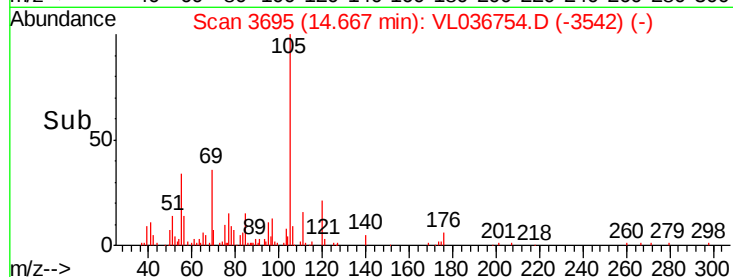
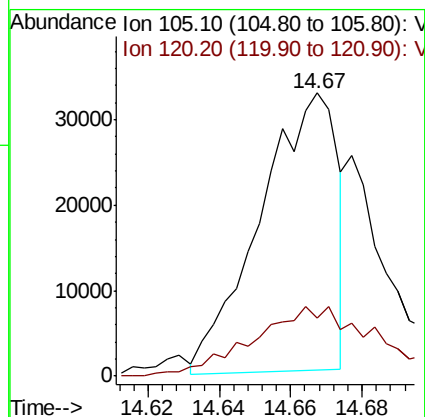
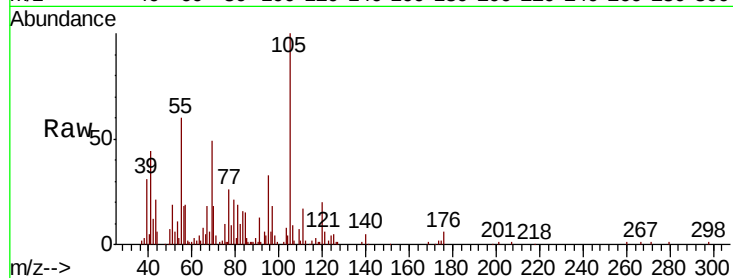
SG-4DL

Tot Ion:105 Resp: 48804

Ion Ratio Lower Upper

105 100

120 40.6 20.6 31.0#



#64

n-propylbenzene

Concen: 0.083 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL036754.D

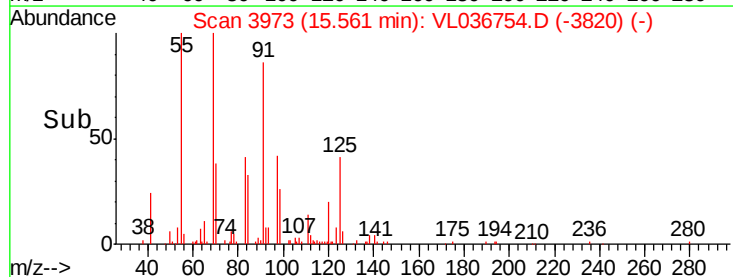
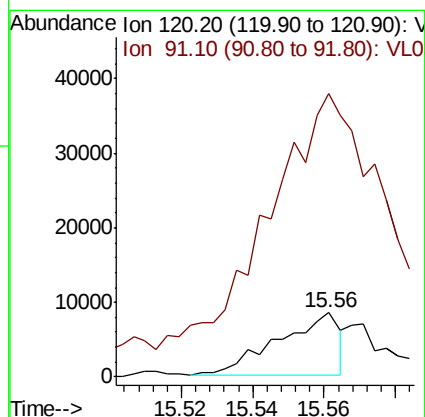
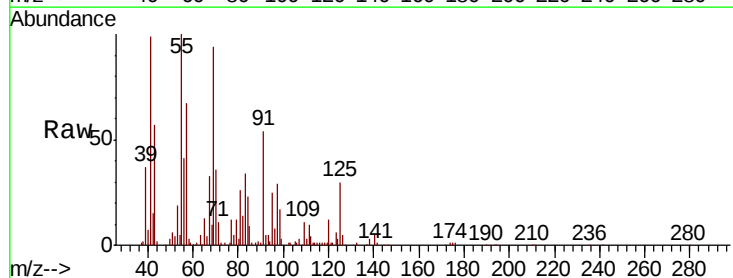
Acq: 8 Apr 2021 17:24

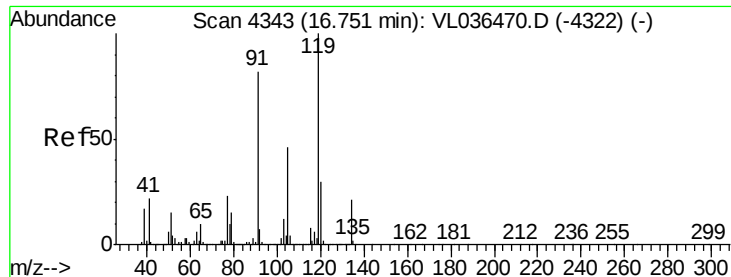
Tgt Ion:120 Resp: 10042

Ion Ratio Lower Upper

120 100

91 851.5 377.4 566.2#





#65

tert-Butylbenzene

Concen: 0.051 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

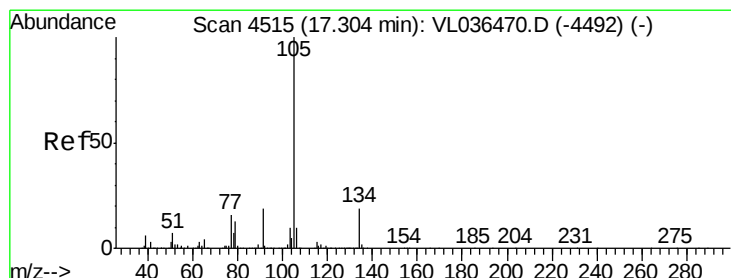
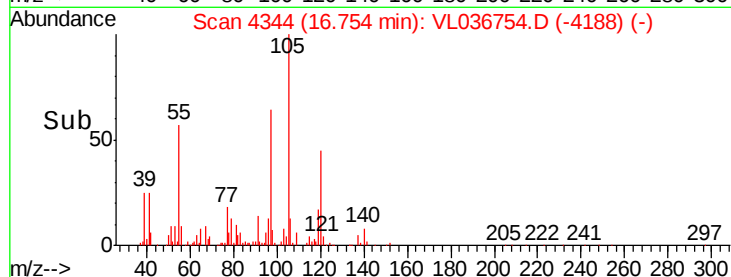
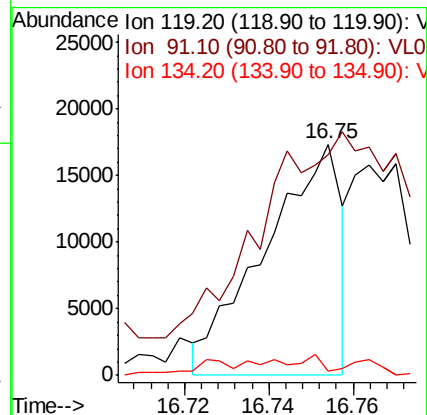
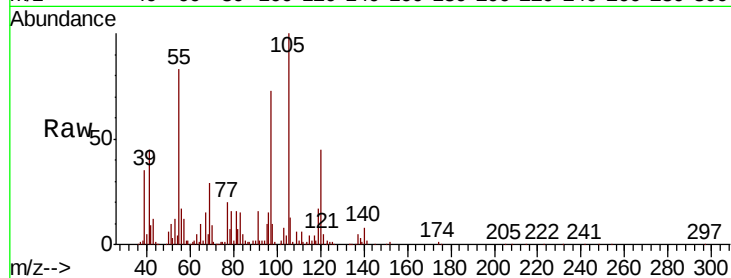
Tot Ion:119 Resp: 21784

Ion Ratio Lower Upper

119 100

91 225.7 67.5 101.3#

134 13.2 15.8 23.8#



#67

sec-Butylbenzene

Concen: 0.102 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036754.D

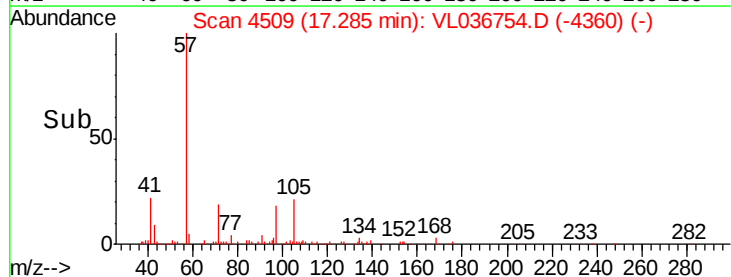
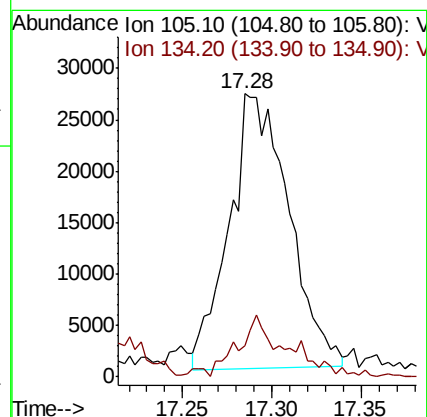
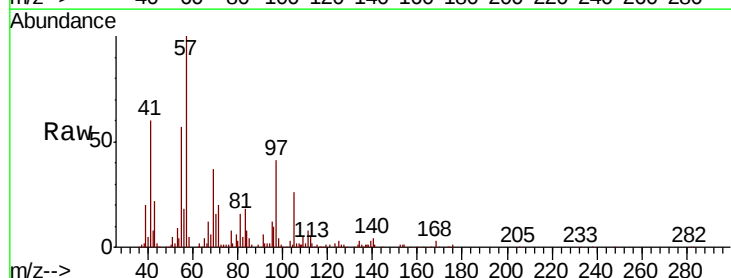
Acq: 8 Apr 2021 17:24

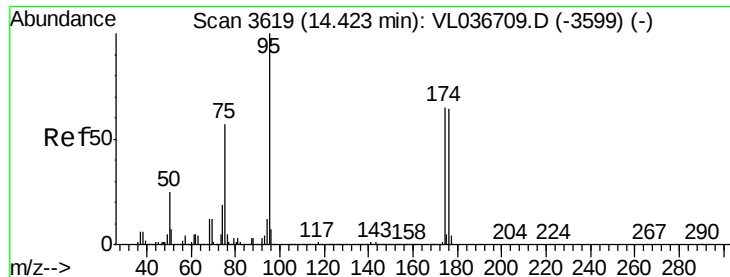
Tgt Ion:105 Resp: 62257

Ion Ratio Lower Upper

105 100

134 19.1 14.7 22.1





#68

1-Bromo-4-Fluorobenzene

Concen: 7.919 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

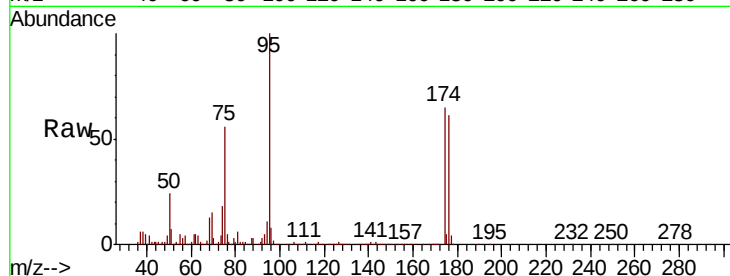
Tot Ion: 95 Resp: 1899756

Ion Ratio Lower Upper

95 100

174 66.7 51.0 76.6

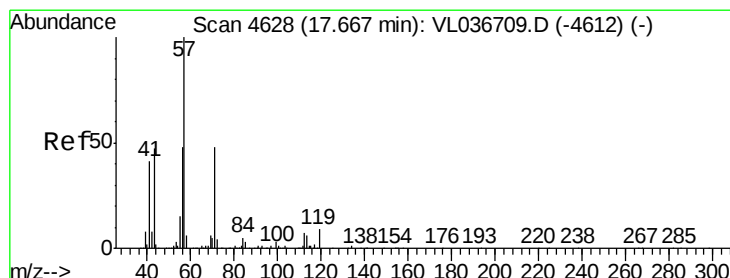
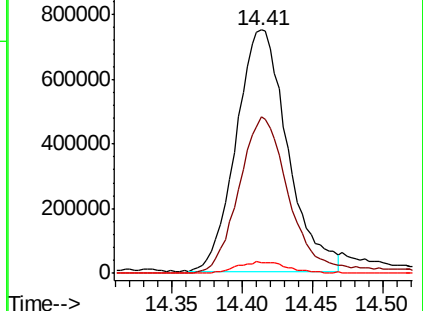
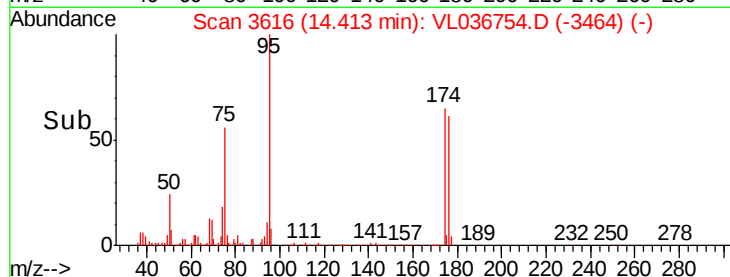
175 5.0 3.9 5.9



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



#69

p-Isopropyltoluene

Concen: 0.145 ppbv

RT: 17.65 min Scan# 4624

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

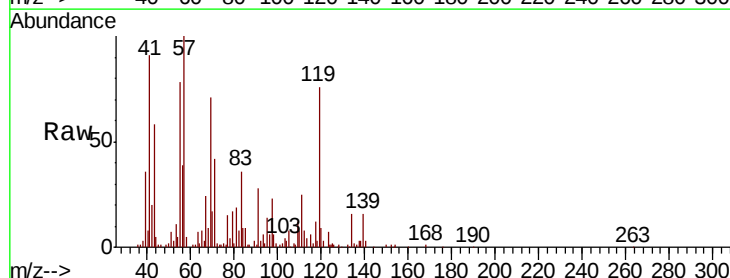
Tgt Ion: 119 Resp: 69116

Ion Ratio Lower Upper

119 100

134 35.4 20.6 30.8#

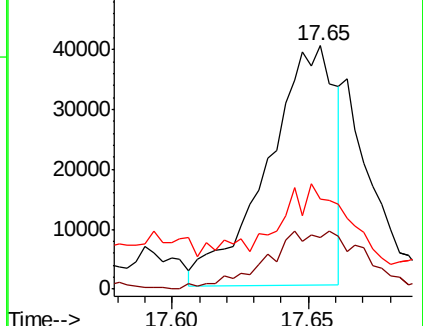
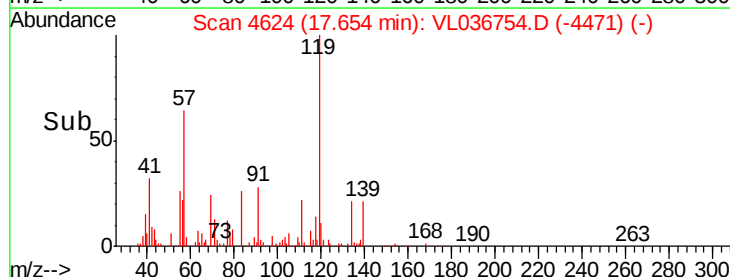
91 55.1 25.0 37.6#

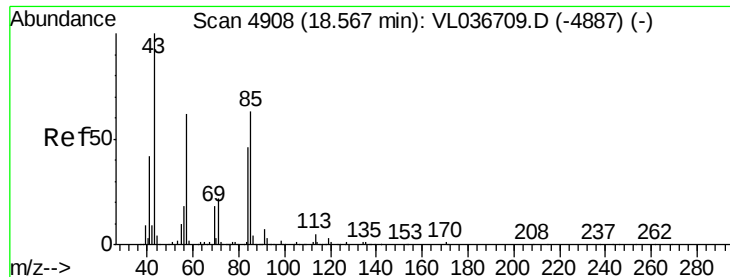


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

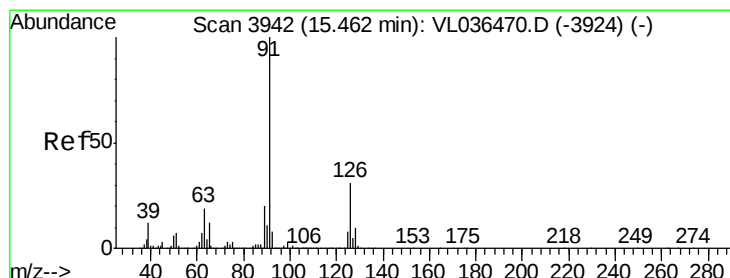
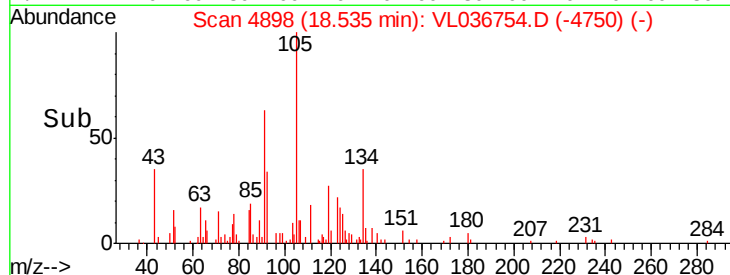
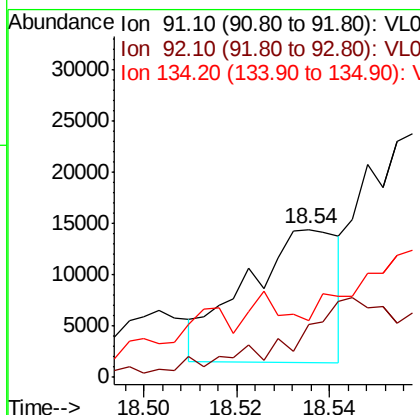
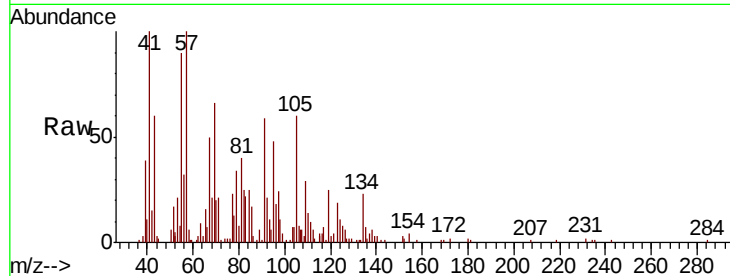




#70
n-Butylbenzene
Concen: 0.037 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.02 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

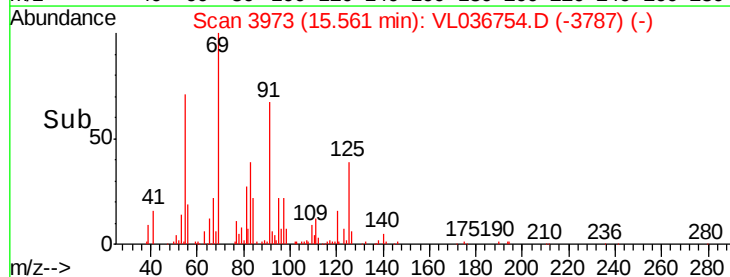
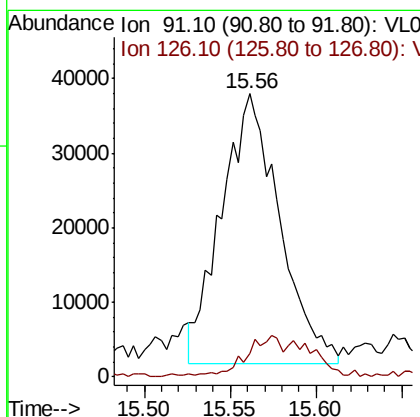
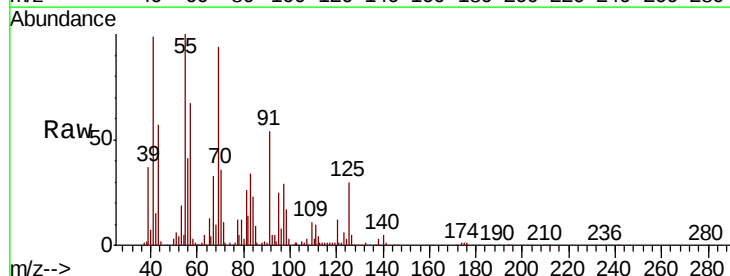
Instrument :
MSVOA_L
ClientSampleID :
SG-4DL

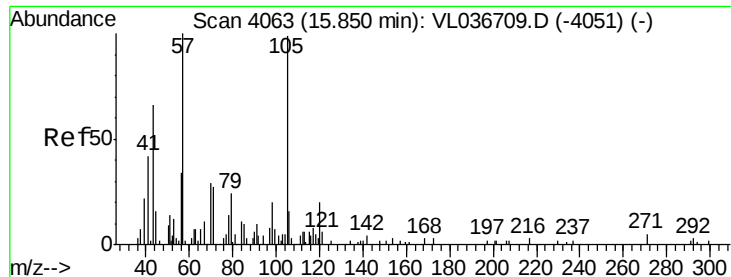
Tot Ion: 91 Resp: 18021
Ion Ratio Lower Upper
91 100
92 112.2 43.8 65.8#
134 0.0 18.0 27.0#



#71
2-Chlorotoluene
Concen: 0.227 ppbv
RT: 15.56 min Scan# 3973
Delta R.T. 0.10 min
Lab File: VL036754.D
Acq: 8 Apr 2021 17:24

Tgt Ion: 91 Resp: 84529
Ion Ratio Lower Upper
91 100
126 17.0 12.1 48.5





#72

4-Ethyltoluene

Concen: 0.260 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

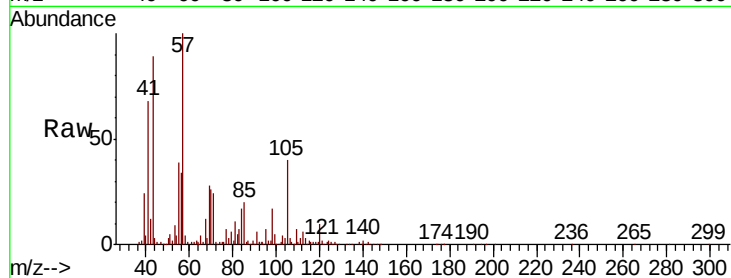
Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

Tot Ion:	105	Resp:	105380
Ion	Ratio	Lower	Upper
105	100		
120	29.8	24.0	36.0
91	13.2	11.0	16.4
77	27.6	11.7	17.5#



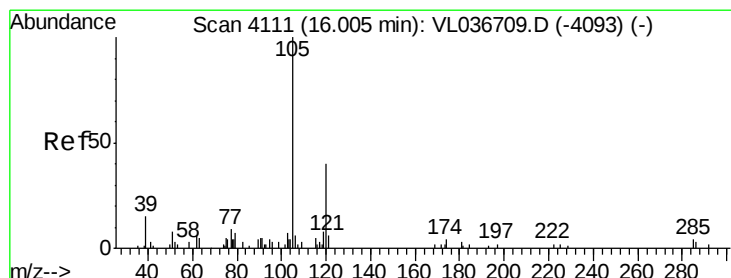
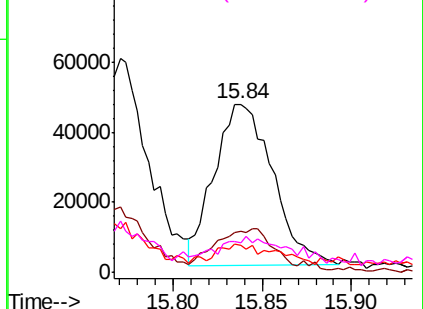
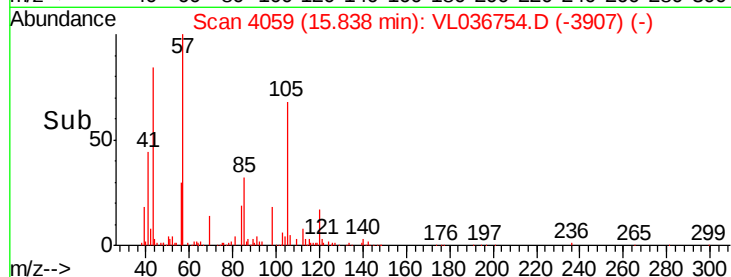
Abundance

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: 0.279 ppbv

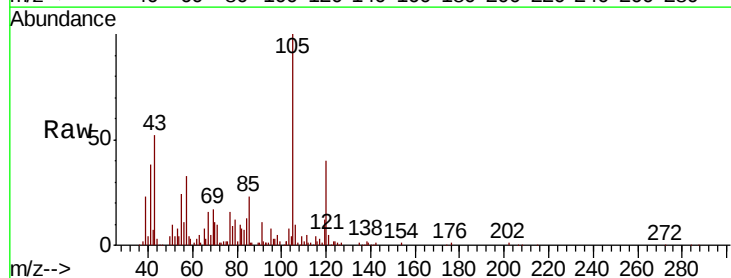
RT: 16.00 min Scan# 4108

Delta R.T. -0.01 min

Lab File: VL036754.D

Acq: 8 Apr 2021 17:24

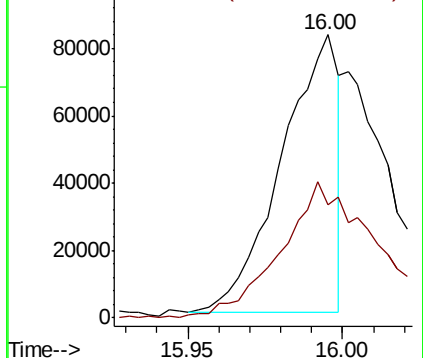
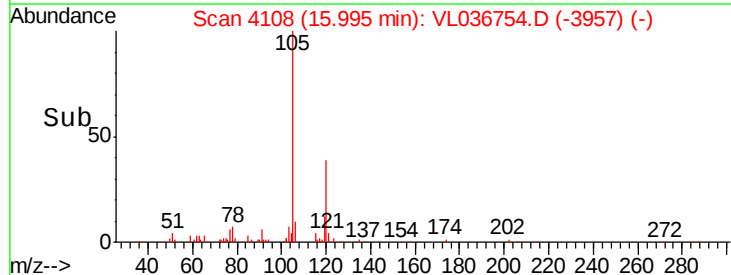
Tgt Ion:	105	Resp:	105284
Ion	Ratio	Lower	Upper
105	100		
120	39.3	36.6	54.8

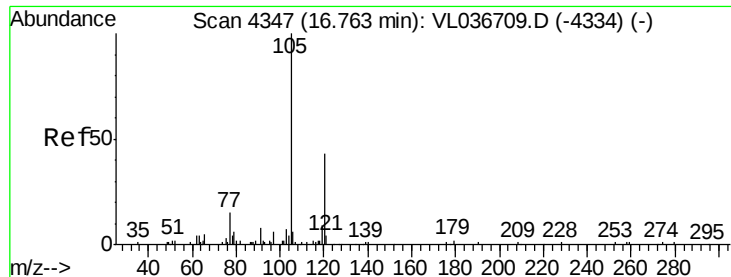


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

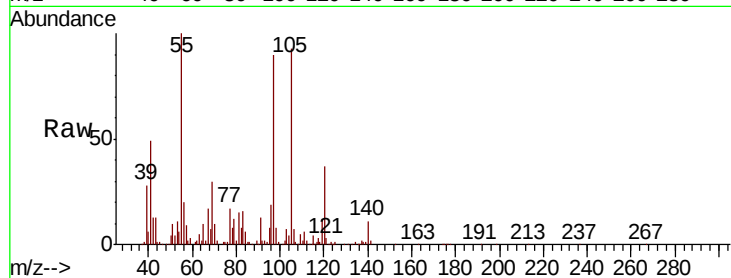




#74
 1,2,4-Trimethylbenzene
 Concen: 0.737 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL036754.D
 Acq: 8 Apr 2021 17:24

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL

Tot Ion:	105	Resp:	298020
Ion Ratio	Lower	Upper	
105	100		
120	40.2	39.2	58.8
91	11.7	42.6	64.0#
77	15.8	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

