

Data File : VL035674.D
Acq On : 18 Sep 2020 2:26
Operator : SY/AP
Sample : L3983-04 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: Sep 18 05:25:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1117816	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4434351	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	4386385	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	3327423	10.68	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	11427	0.059	ppbv	94
3) Chlorodifluoromethane	2.98	51	7656	0.062	ppbv	96
4) Chloromethane	3.14	50	14914	0.225	ppbv	97
9) Propene	3.01	41	977827	20.516	ppbv	95
10) Heptane	8.14	43	78878	0.616	ppbv	100
11) Trichlorofluoromethane	3.95	101	11686	0.041	ppbv	95
13) Ethanol	3.61	45	101644	8.601	ppbv	97
15) Acetone	3.84	43	4727275	38.344	ppbv	91
16) 1,3-Butadiene	3.31	39	624327	13.604	ppbv #	11
17) tert-Butyl alcohol	4.30	59	224896	1.499	ppbv	98
19) Isopropyl Alcohol	3.97	45	71838	0.977	ppbv #	93
20) Methylene Chloride	4.35	84	96327	1.049	ppbv	94
21) Allyl Chloride	4.40	41	8352	0.145	ppbv #	1
23) Vinyl Acetate	5.07	43	57840	0.366	ppbv #	72
25) Ethyl Acetate	5.69	43	113491	0.521	ppbv #	85
26) Hexane	5.69	57	137684	1.116	ppbv #	51
27) Carbon Disulfide	4.56	76	109919	0.621	ppbv	98
29) Chloroform	5.76	83	26387	0.105	ppbv	86
30) Cyclohexane	7.14	84	30357	0.230	ppbv #	84
31) cis-1,2-Dichloroethene	5.56	61	48534	0.383	ppbv	93
34) 2-Butanone	5.25	43	670065	5.092	ppbv	98
36) Benzene	6.91	78	187145	0.652	ppbv	96
38) Trichloroethene	7.85	130	355836	2.134	ppbv	95
39) 1,2-Dichloropropane	7.19	63	859538	8.864	ppbv #	32
44) 2,2,4-Trimethylpentane	7.89	57	25080	0.066	ppbv #	1
50) 4-Methyl-2-Pentanone	8.75	43	3478274	18.253	ppbv	99
51) 2-Hexanone	10.16	43	242123	1.549	ppbv #	93
52) Tetrachloroethene	11.25	164	6670501	39.779	ppbv #	80
53) Toluene	9.83	91	1166540	3.232	ppbv	97
58) Ethyl Benzene	12.74	91	455250	1.006	ppbv	91
59) m/p-Xylene	12.99	91	1589459	4.205	ppbv	95
60) o-Xylene	13.72	91	537366	1.412	ppbv	95
62) Isopropylbenzene	14.70	105	18433	0.030	ppbv #	43
64) n-propylbenzene	15.59	120	67389	0.361	ppbv #	58
65) tert-Butylbenzene	16.79	119	101584	0.179	ppbv #	73
69) p-Isopropyltoluene	17.68	119	20566	0.031	ppbv #	74
70) n-Butylbenzene	18.59	91	50605	0.079	ppbv #	1
71) 2-Chlorotoluene	15.59	91	287452	0.646	ppbv #	37
72) 4-Ethyltoluene	15.87	105	392191	0.810	ppbv	95
73) 1,3,5-Trimethylbenzene	16.02	105	180642	0.404	ppbv	87
74) 1,2,4-Trimethylbenzene	16.79	105	857356	1.744	ppbv #	71

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091720\
Quantitation Report (Not Reviewed)

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Instrument :
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ClientSampleId :
BFB

Quant Time: Sep 18 05:25:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) Naphthalene	22.24	128	47217	0.087	ppbv	96
80) Naphthalene,2-methyl-	25.01	142	8475	0.046	ppbv #	90

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

Data File : VL035674.D

Acq On : 18 Sep 2020 2:26

Operator : SY/AP

Sample : L3983-04 10X

Misc : 400ml/MSV0A_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

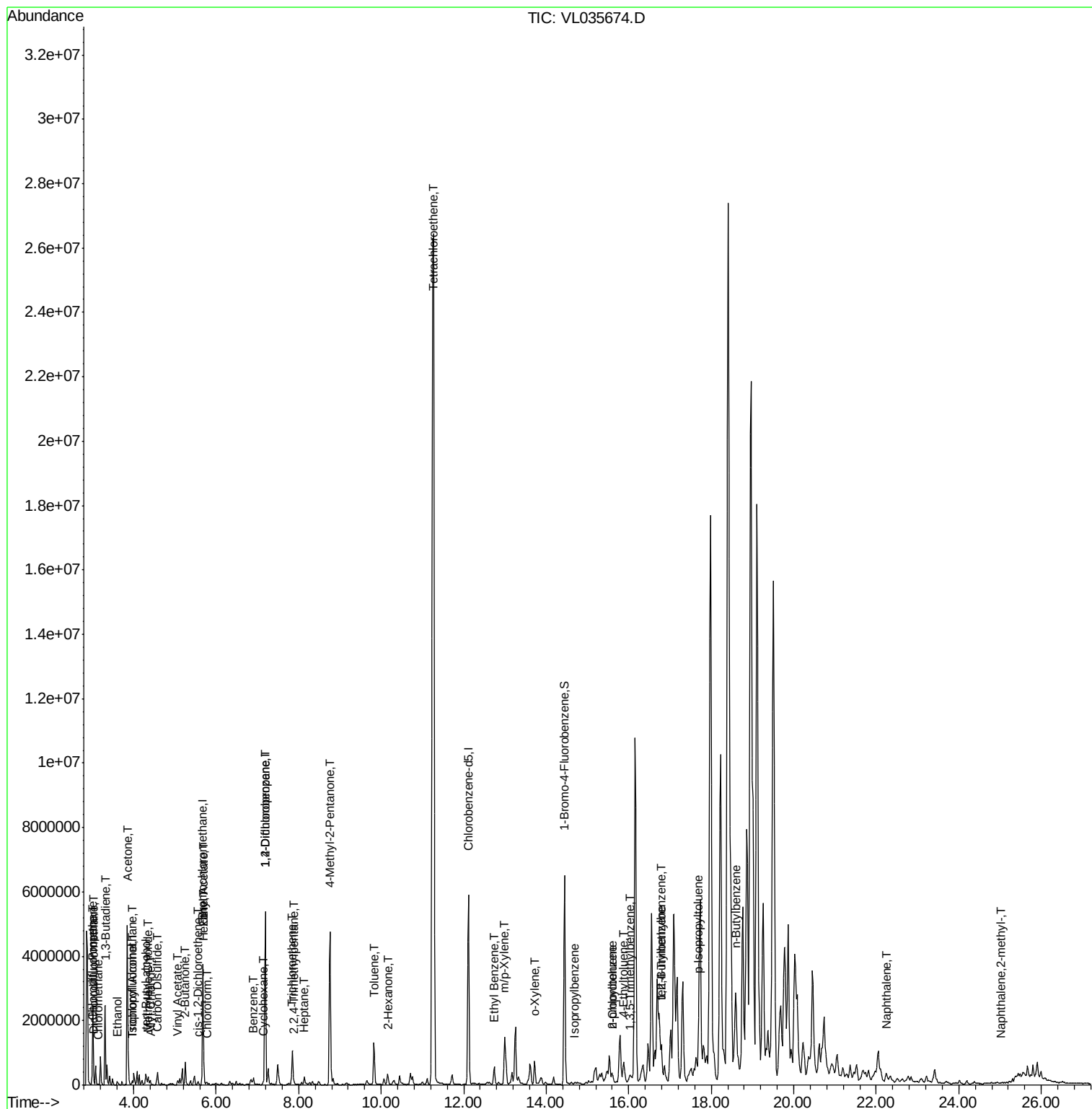
Quant Time: Sep 18 05:25:07 2020

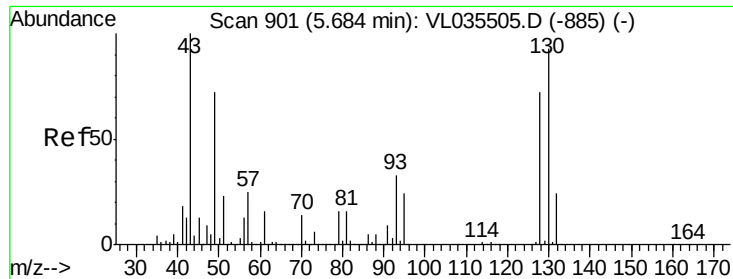
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL082720AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020

QLast Update : Mon Sep 14 15:19:50 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

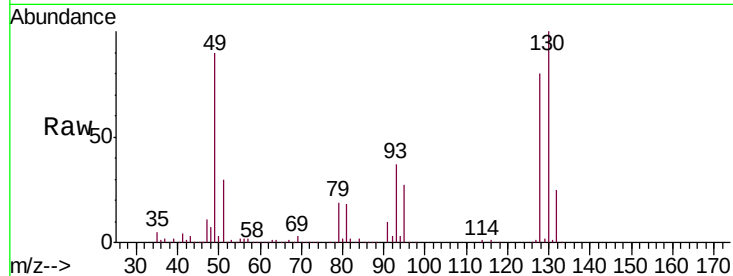
Tgt Ion: 49 Resp: 1117816

Ion Ratio Lower Upper

49 100

128 88.5 50.0 150.1

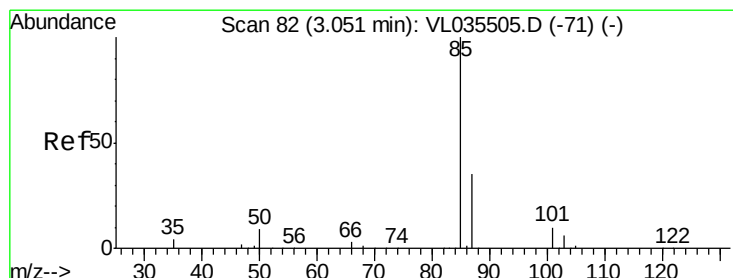
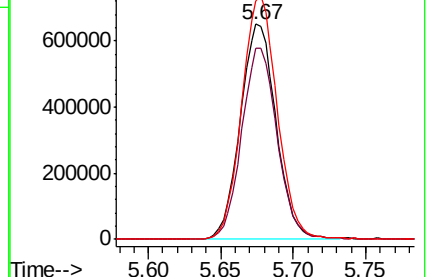
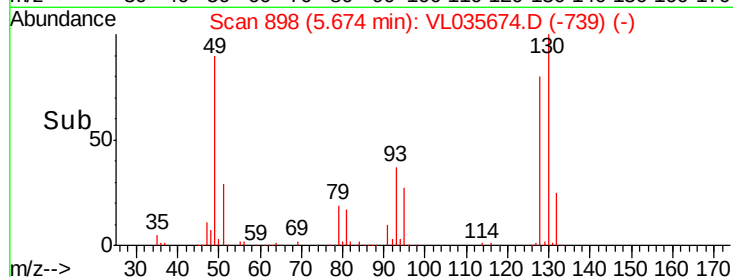
130 112.7 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.059 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.01 min

Lab File: VL035674.D

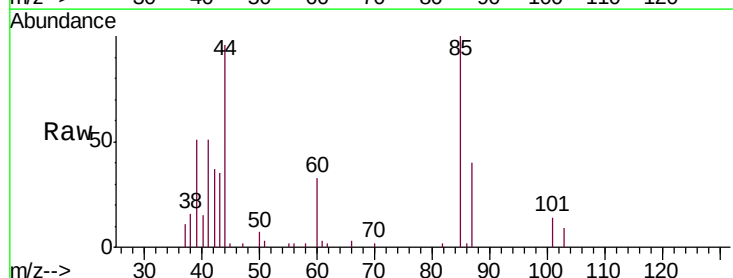
Acq: 18 Sep 2020 2:26

Tgt Ion: 85 Resp: 11427

Ion Ratio Lower Upper

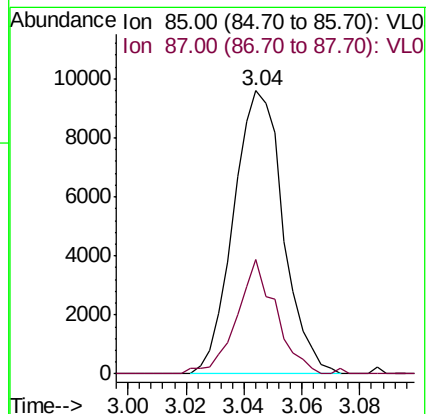
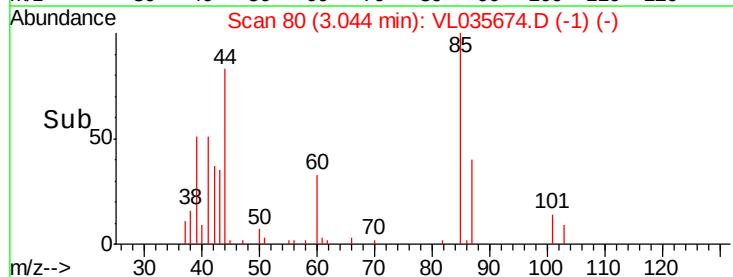
85 100

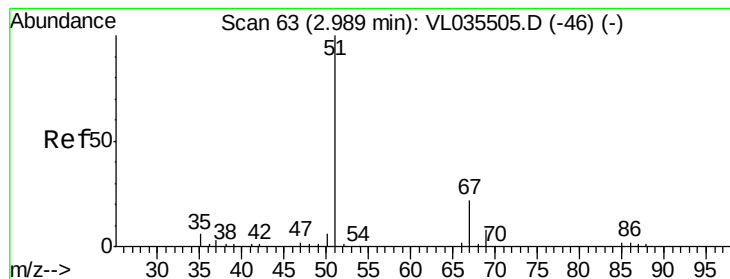
87 38.4 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.062 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

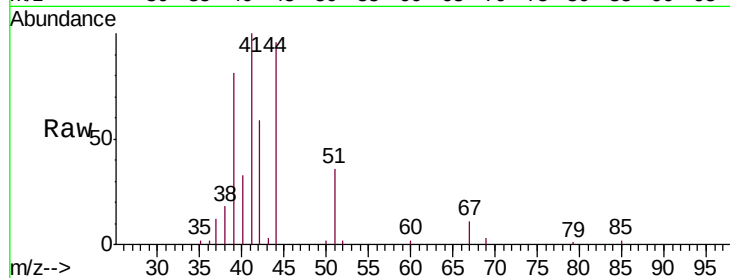
BFB

Tgt Ion: 51 Resp: 7656

Ion Ratio Lower Upper

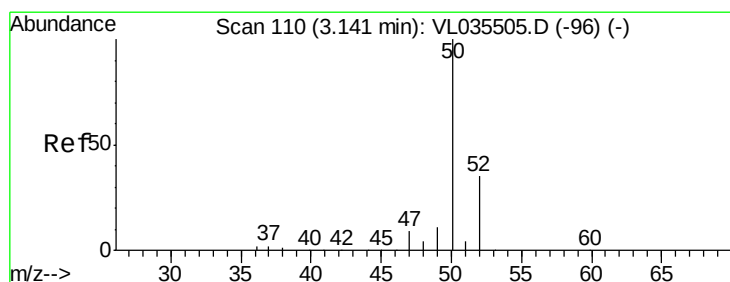
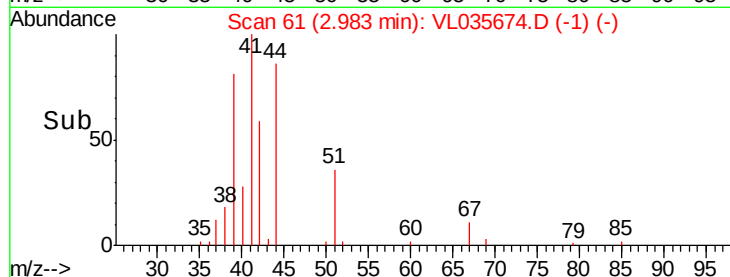
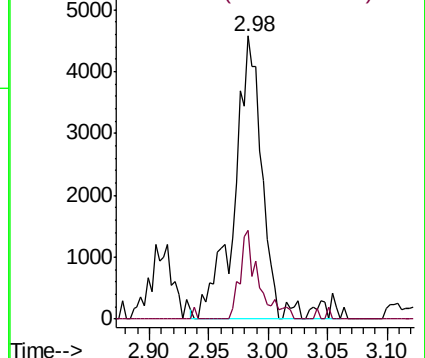
51 100

67 20.5 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.225 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035674.D

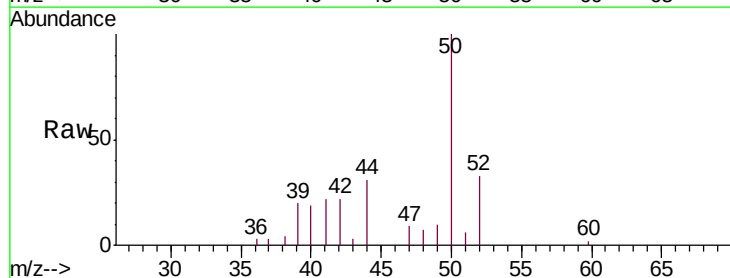
Acq: 18 Sep 2020 2:26

Tgt Ion: 50 Resp: 14914

Ion Ratio Lower Upper

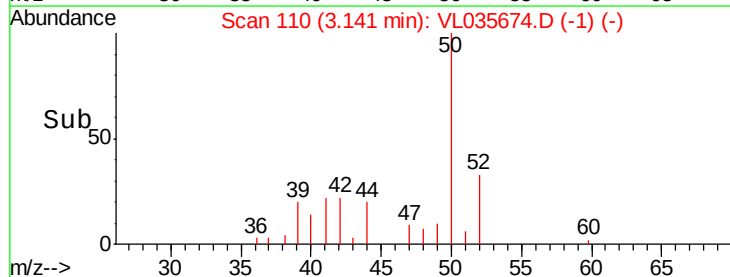
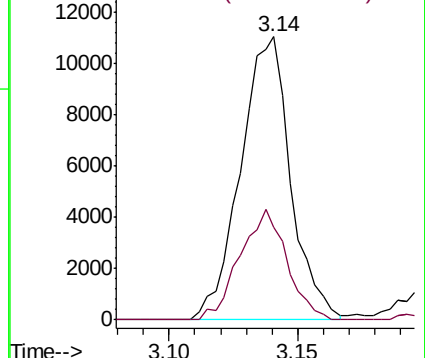
50 100

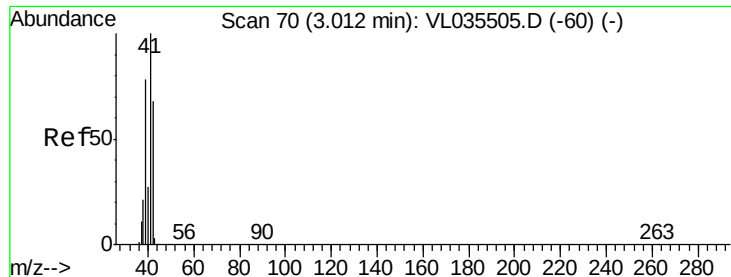
52 32.7 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 20.516 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

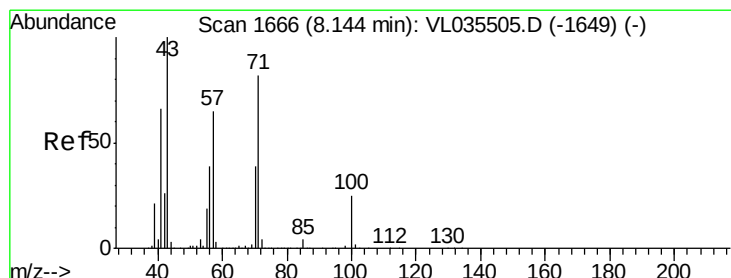
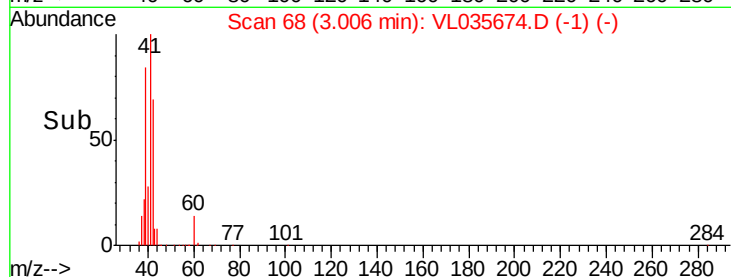
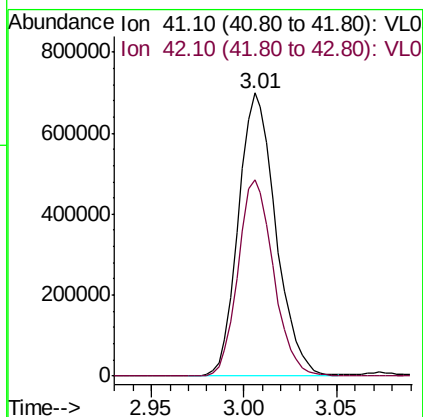
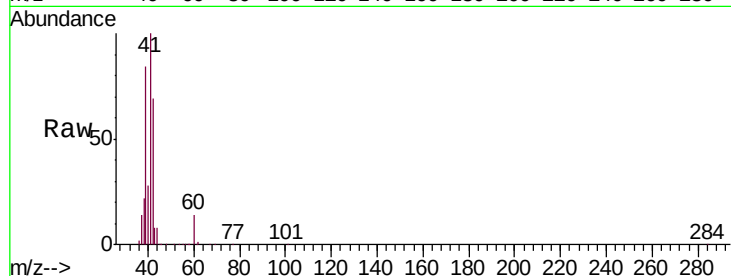
BFB

Tgt Ion: 41 Resp: 977827

Ion Ratio Lower Upper

41 100

42 66.0 56.3 84.5



#10

Heptane

Concen: 0.616 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VL035674.D

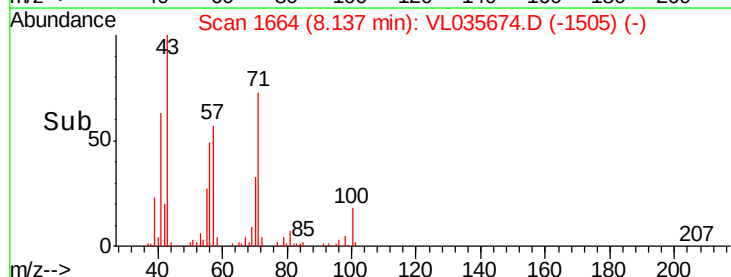
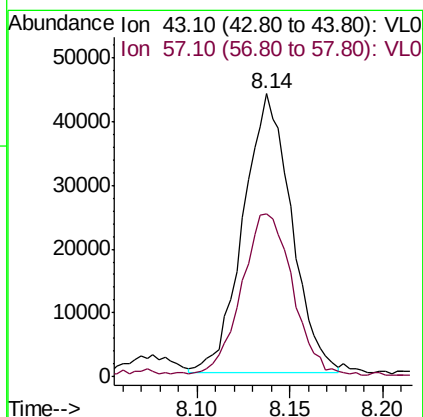
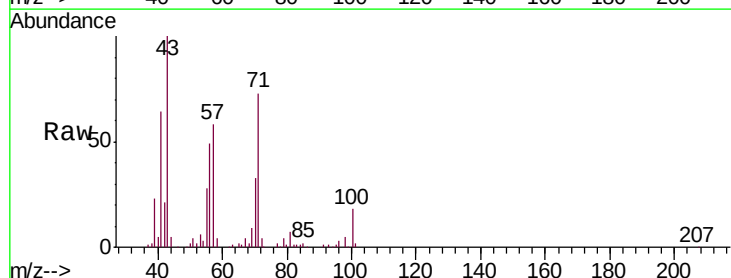
Acq: 18 Sep 2020 2:26

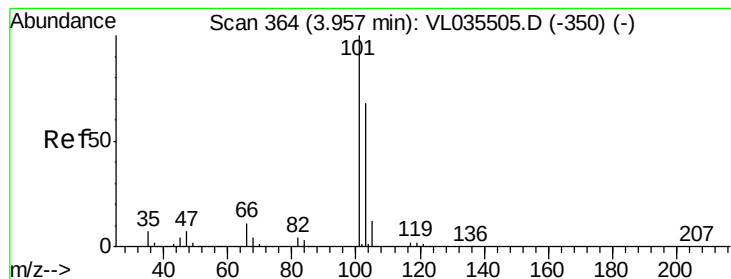
Tgt Ion: 43 Resp: 78878

Ion Ratio Lower Upper

43 100

57 64.3 51.4 77.0





#11

Trichlorofluoromethane

Concen: 0.041 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

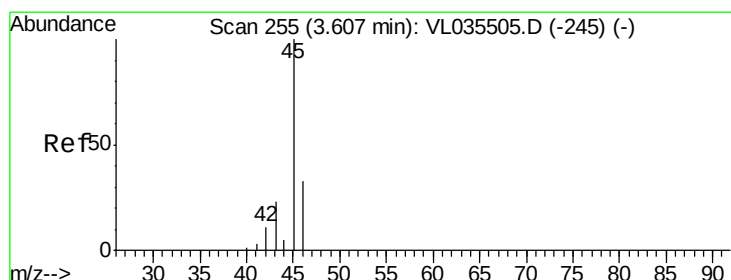
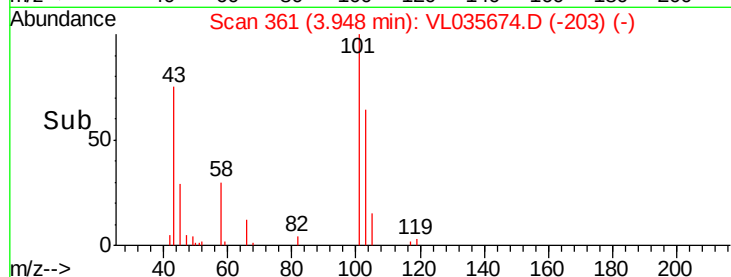
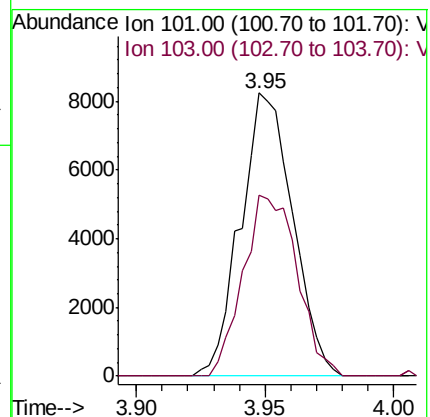
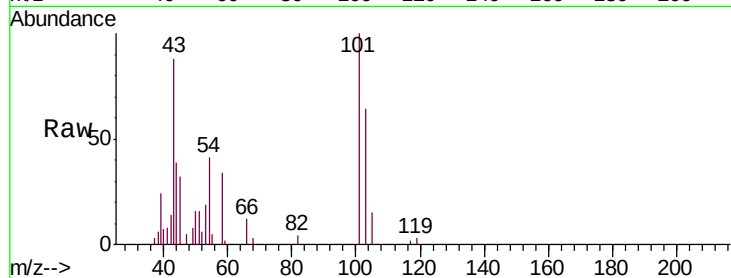
BFB

Tgt Ion: 101 Resp: 11686

Ion Ratio Lower Upper

101 100

103 63.9 54.5 81.7



#13

Ethanol

Concen: 8.601 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL035674.D

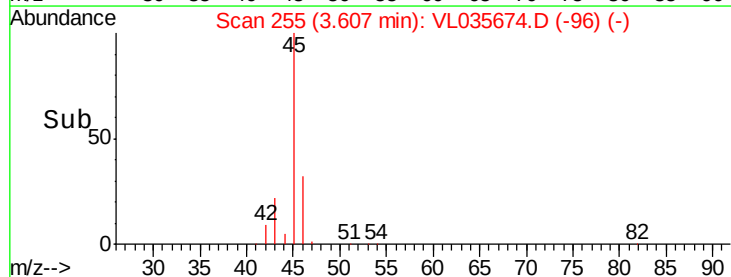
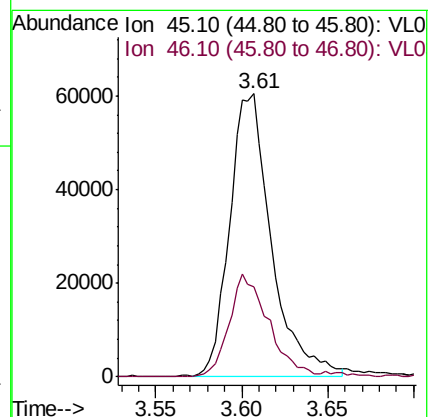
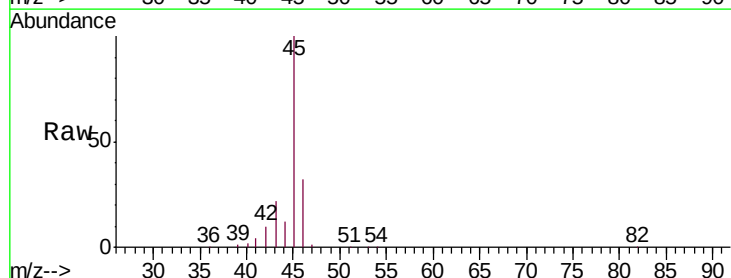
Acq: 18 Sep 2020 2:26

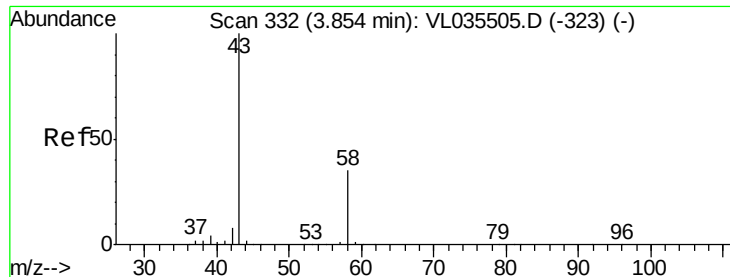
Tgt Ion: 45 Resp: 101644

Ion Ratio Lower Upper

45 100

46 35.9 15.2 60.6





#15

Acetone

Concen: 38.344 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

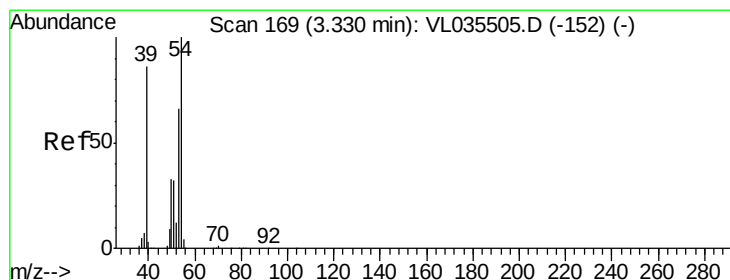
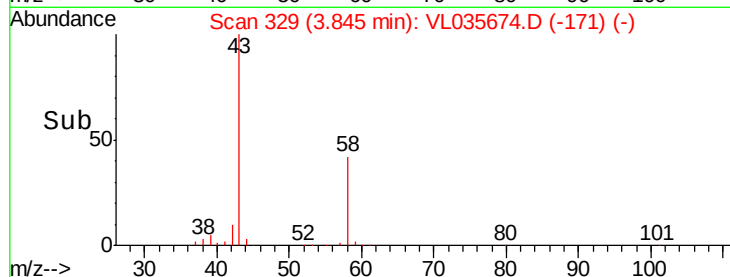
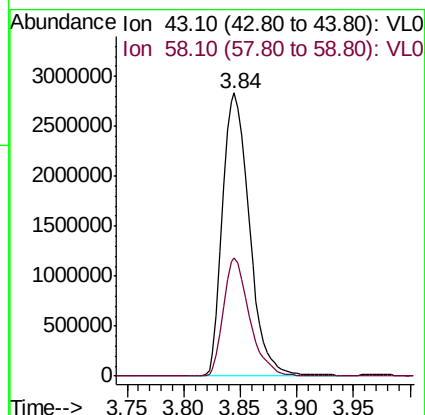
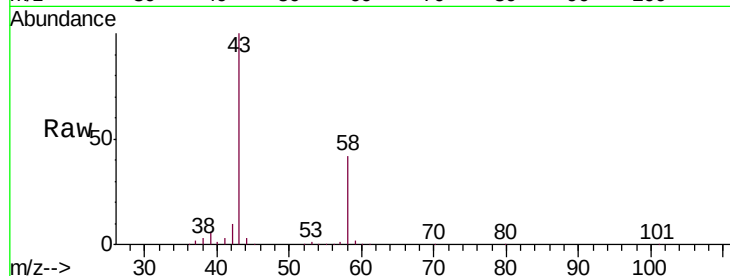
BFB

Tgt Ion: 43 Resp: 4727275

Ion Ratio Lower Upper

43 100

58 40.6 28.4 42.6



#16

1,3-Butadiene

Concen: 13.604 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL035674.D

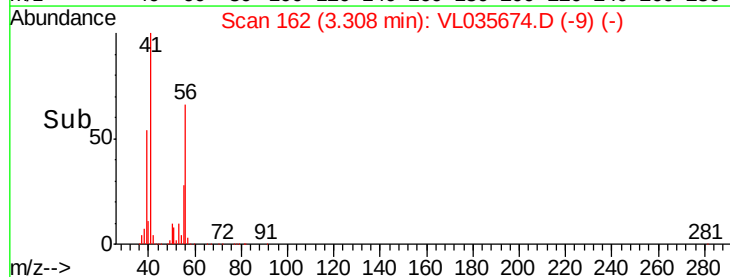
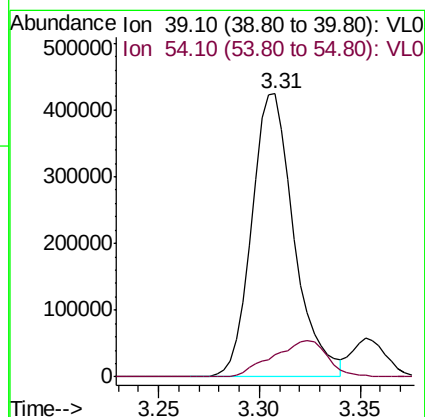
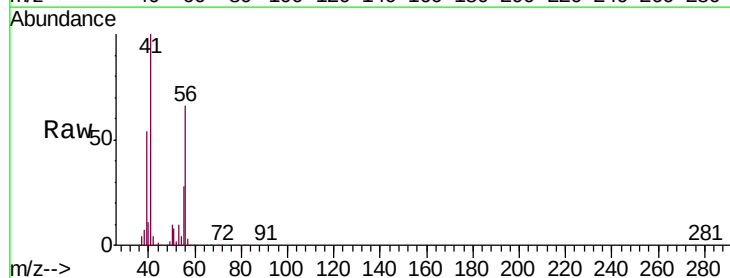
Acq: 18 Sep 2020 2:26

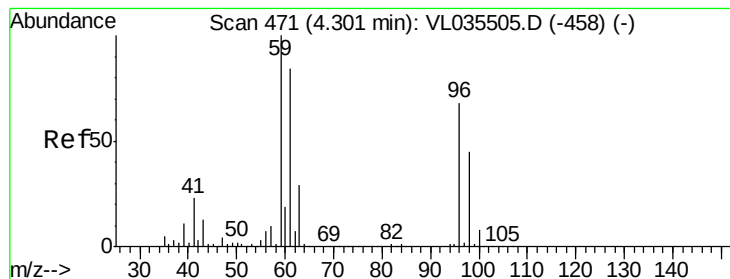
Tgt Ion: 39 Resp: 624327

Ion Ratio Lower Upper

39 100

54 16.7 88.4 132.6#





#17

tert-Butyl alcohol

Concen: 1.499 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampled :

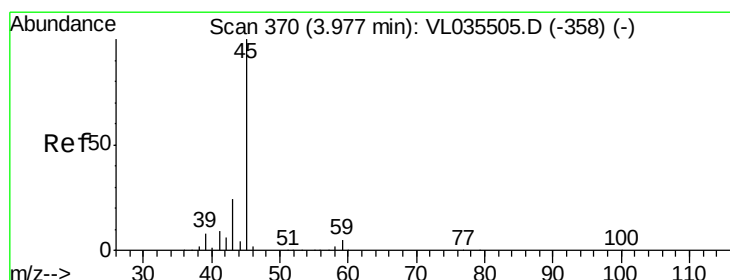
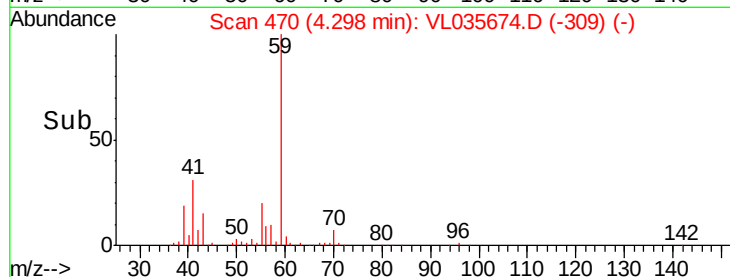
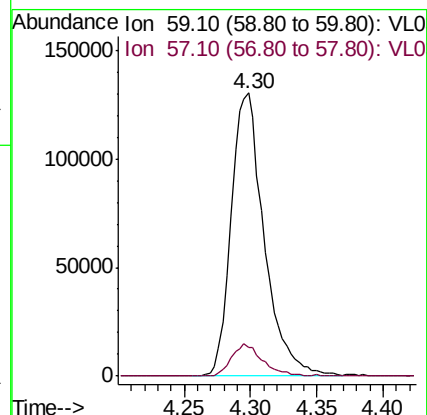
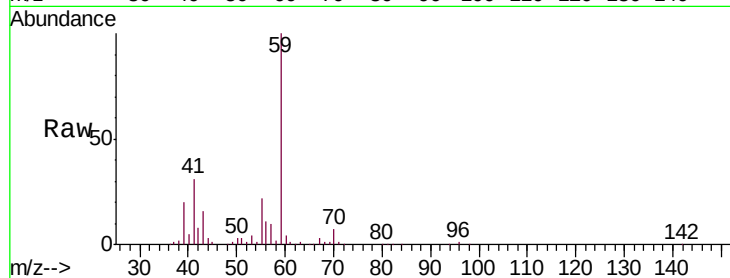
BFB

Tgt Ion: 59 Resp: 224896

Ion Ratio Lower Upper

59 100

57 11.1 8.4 12.6



#19

Isopropyl Alcohol

Concen: 0.977 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.02 min

Lab File: VL035674.D

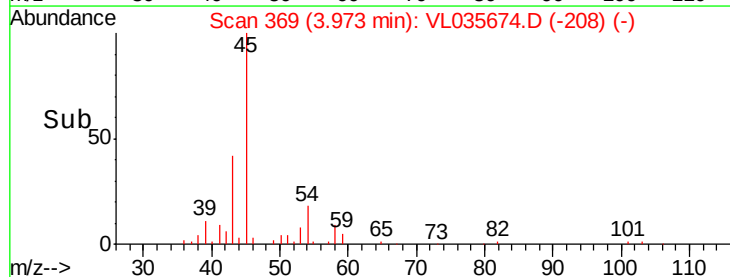
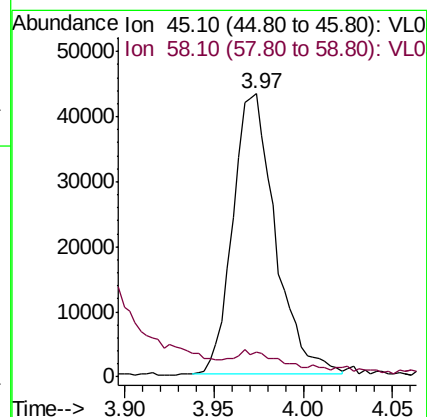
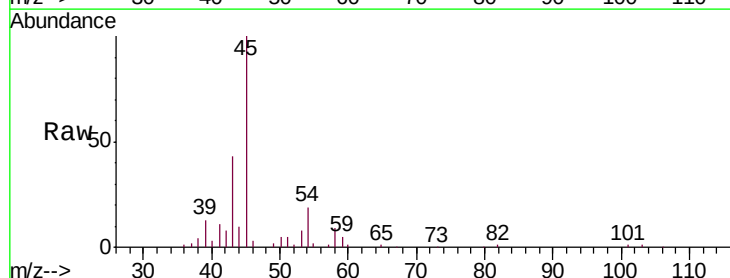
Acq: 18 Sep 2020 2:26

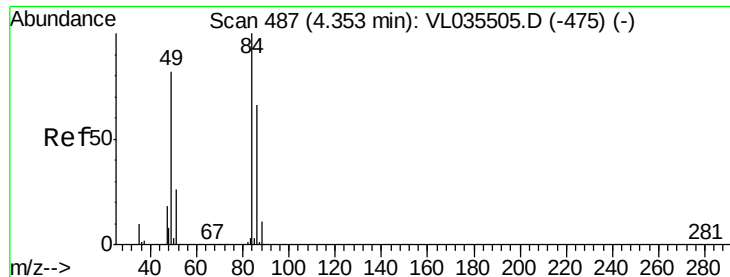
Tgt Ion: 45 Resp: 71838

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

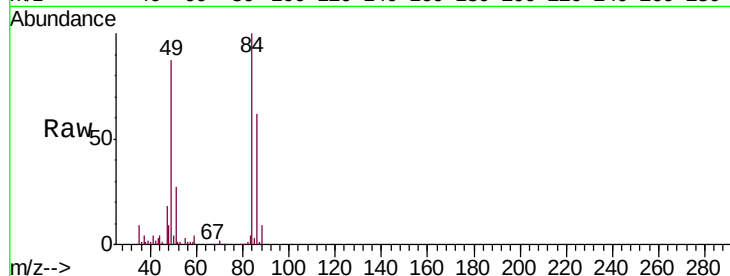




#20
Methylene Chloride
Concen: 1.049 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion:	84	Resp:	96327
Ion	Ratio	Lower	Upper
84	100		
49	87.2	65.4	98.0
51	22.8	21.5	32.3
86	62.1	52.9	79.3



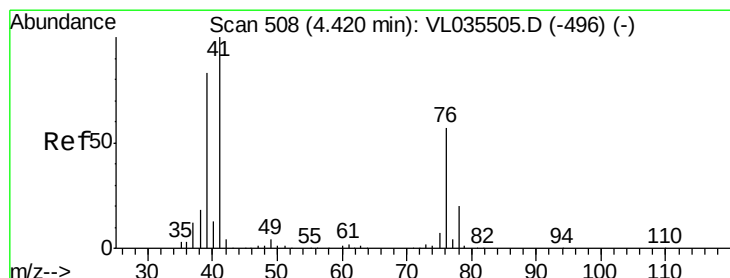
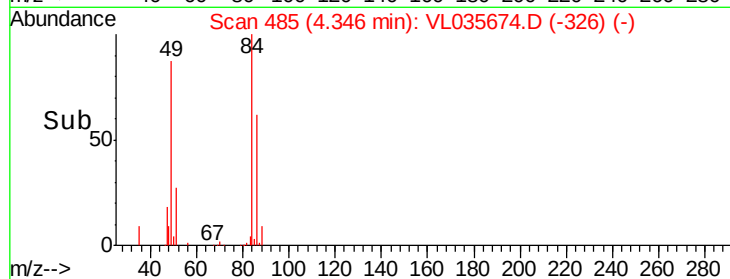
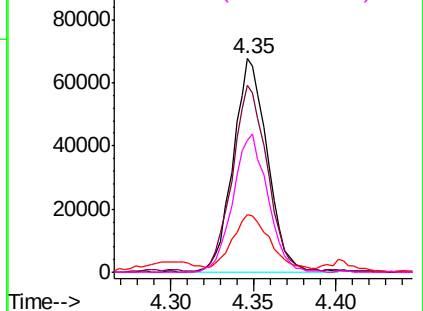
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

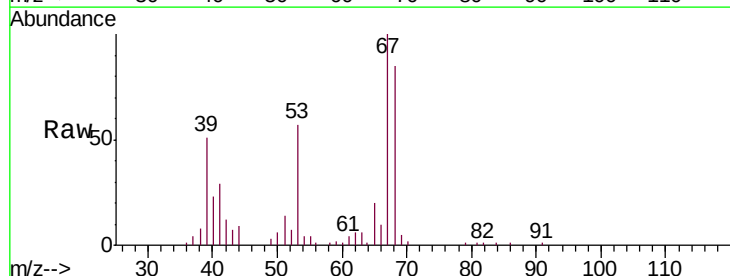
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.145 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

Tgt Ion:	41	Resp:	8352
Ion	Ratio	Lower	Upper
41	100		
76	0.0	46.2	69.2#
39	363.3	67.8	101.6#

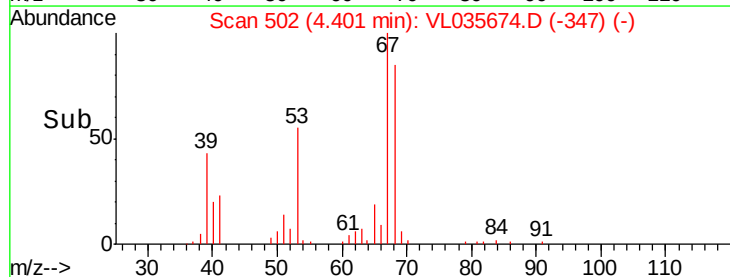
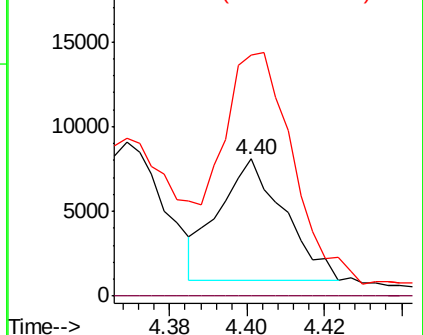


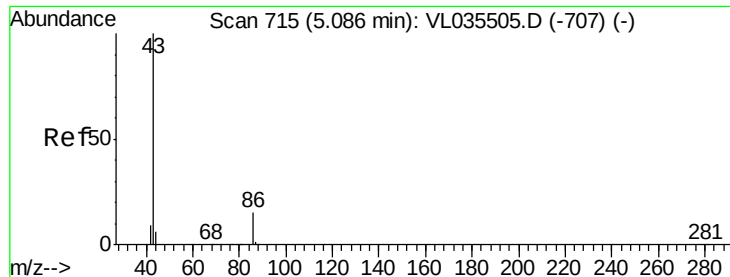
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.366 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 57840

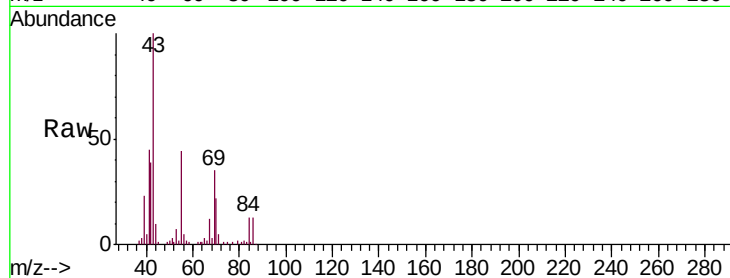
Ion Ratio Lower Upper

43 100

86 13.1 10.6 16.0

42 38.3 7.5 11.3#

44 3.5 4.4 6.6#

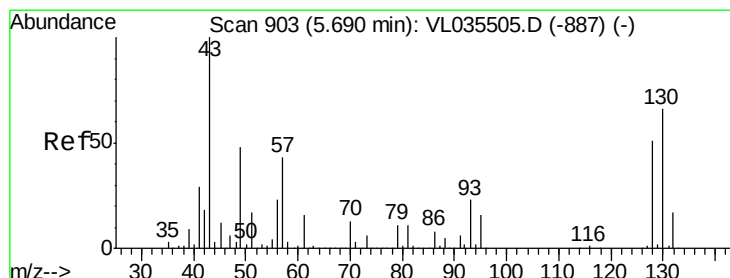
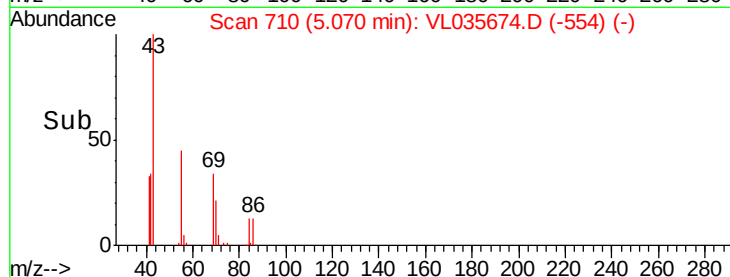
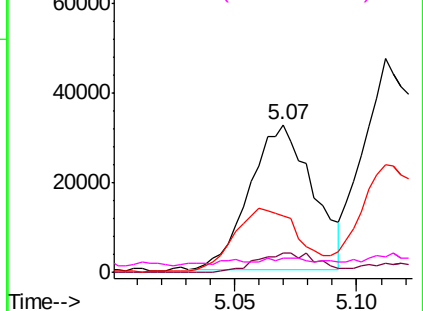


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.521 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Tgt Ion: 43 Resp: 113491

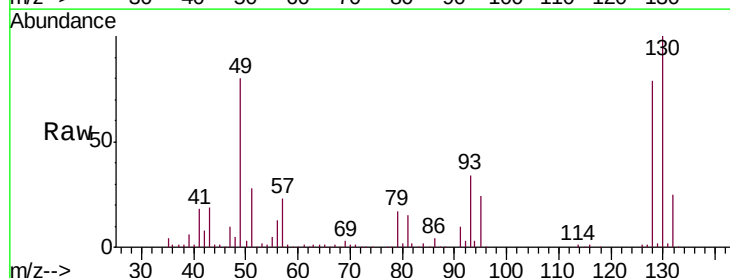
Ion Ratio Lower Upper

43 100

45 5.8 8.4 12.6#

61 5.5 10.6 16.0#

70 7.7 9.4 14.2#

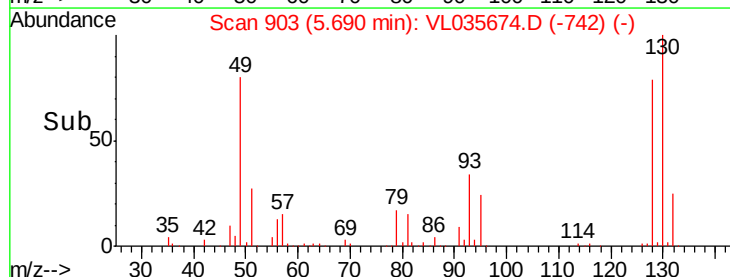
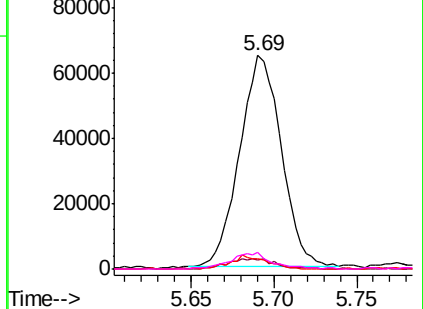


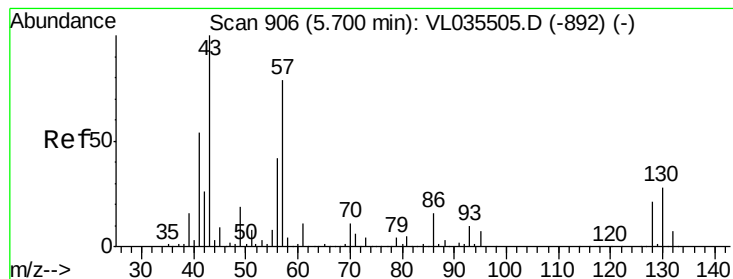
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.116 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampled :

BFB

Tgt Ion: 57 Resp: 137684

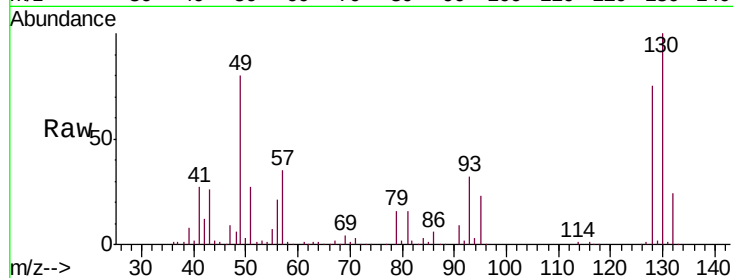
Ion Ratio Lower Upper

57 100

41 93.3 55.9 83.9#

43 84.5 141.8 212.8#

56 64.3 41.8 62.8#

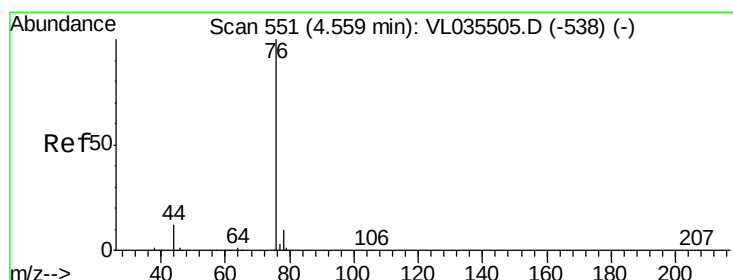
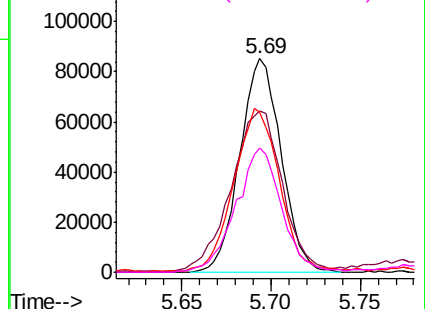
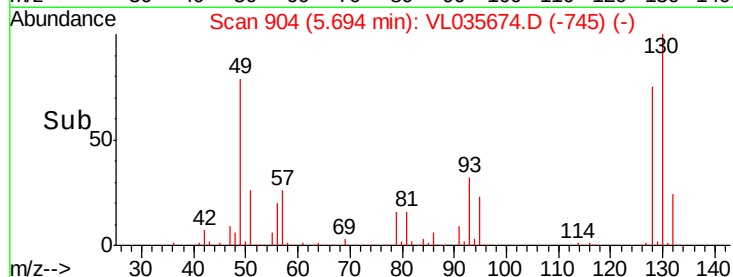


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.621 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

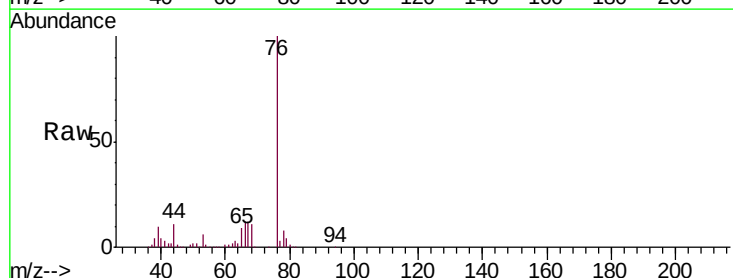
Tgt Ion: 76 Resp: 109919

Ion Ratio Lower Upper

76 100

44 12.6 9.3 13.9

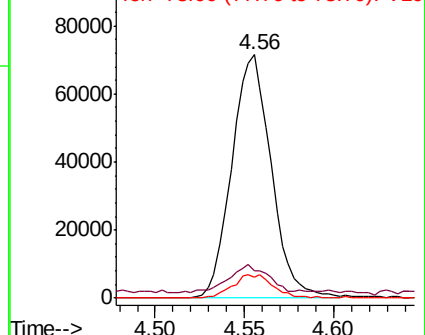
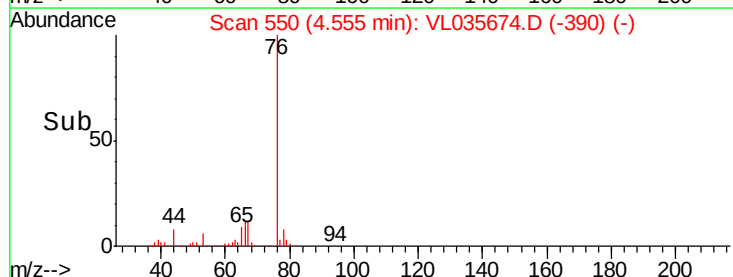
78 10.2 7.8 11.6

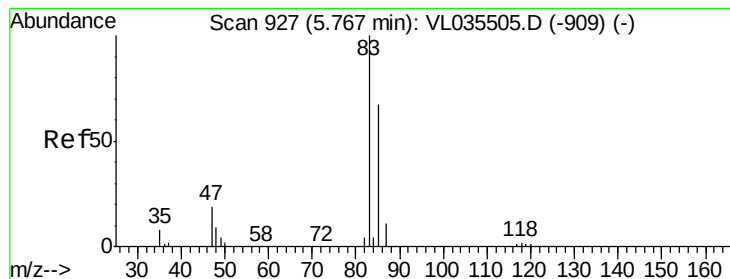


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.105 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

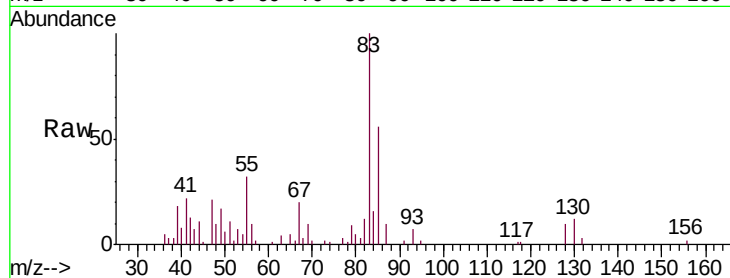
BFB

Tgt Ion: 83 Resp: 26387

Ion Ratio Lower Upper

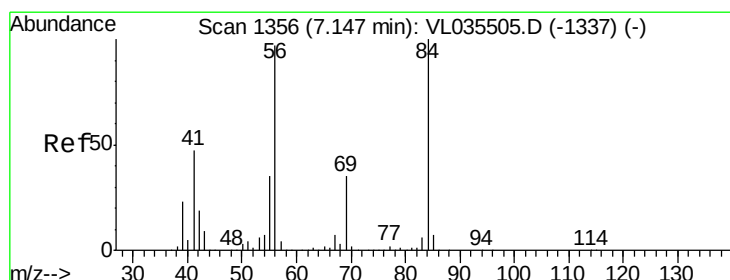
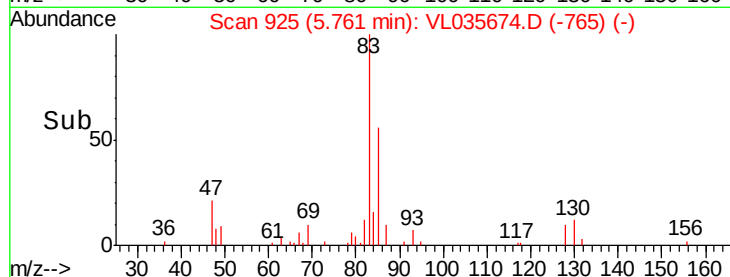
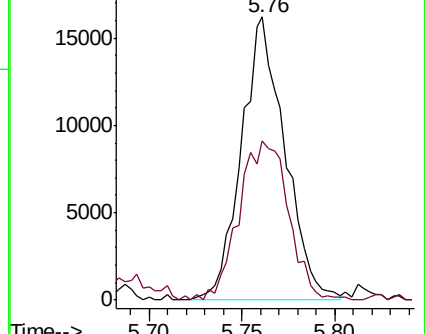
83 100

85 56.2 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.230 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

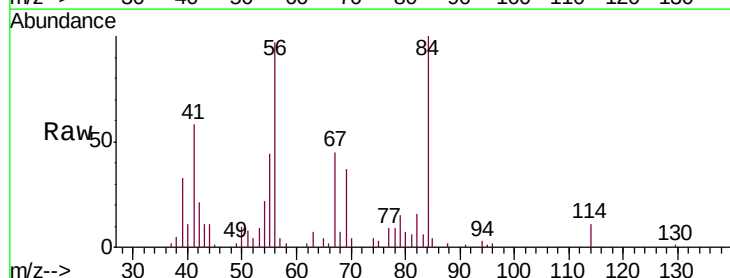
Tgt Ion: 84 Resp: 30357

Ion Ratio Lower Upper

84 100

56 93.9 80.1 120.1

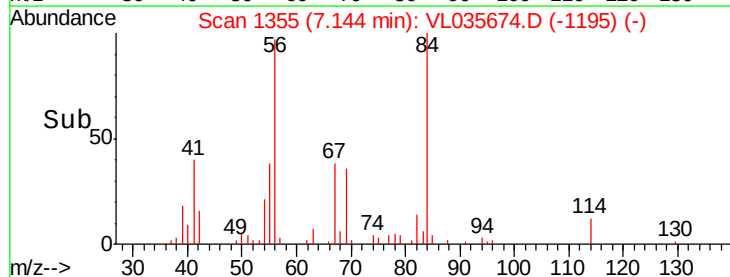
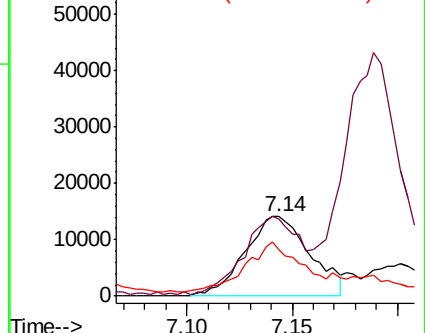
41 72.2 38.1 57.1#

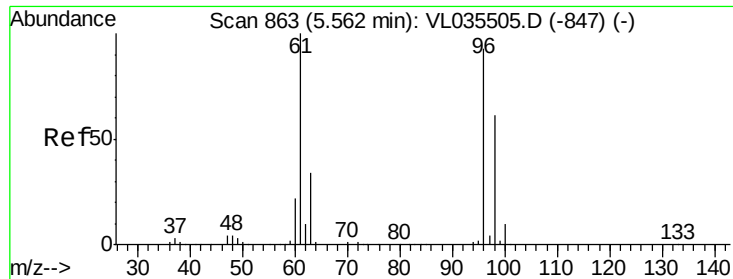


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



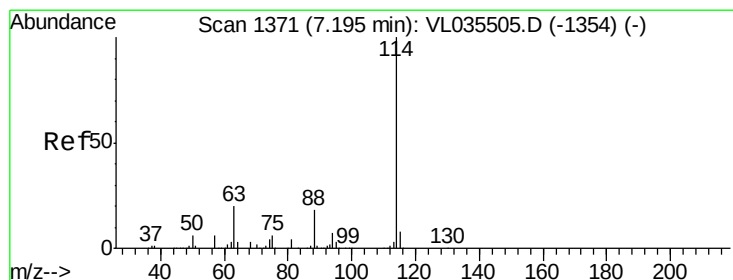
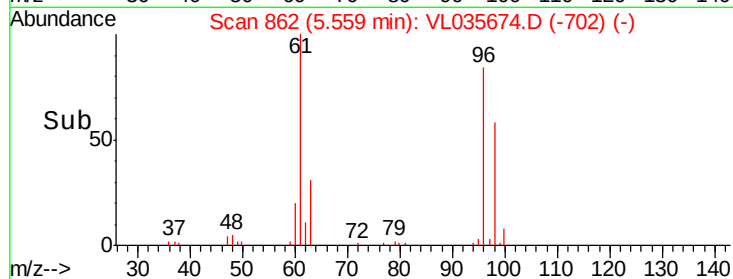
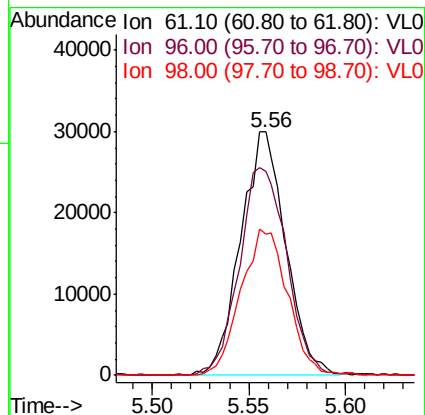
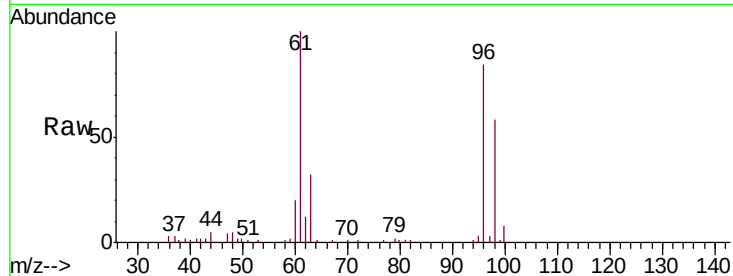


#31

cis-1,2-Dichloroethene
Concen: 0.383 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.01 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

Instrument :
MSVOA_L
ClientSampleId :
BFB

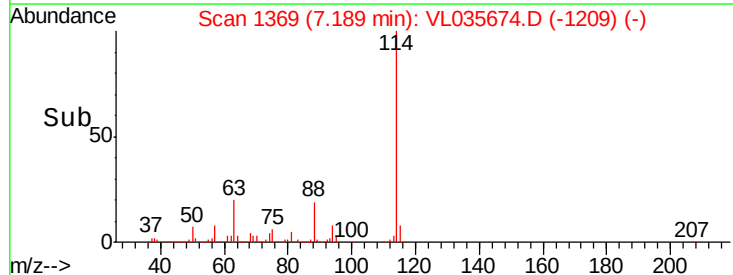
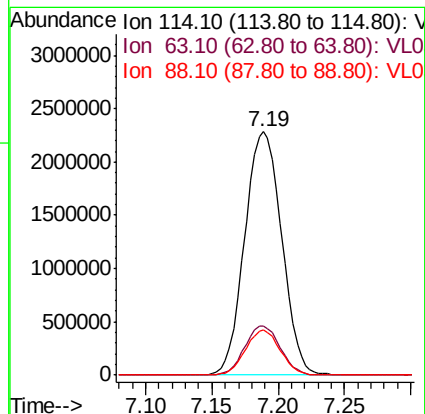
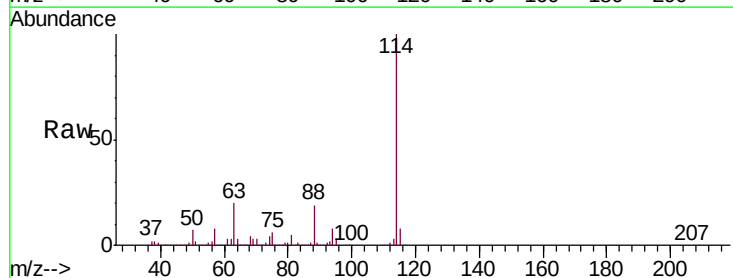
Tgt Ion: 61 Resp: 48534
Ion Ratio Lower Upper
61 100
96 84.0 74.4 111.6
98 58.0 49.2 73.8

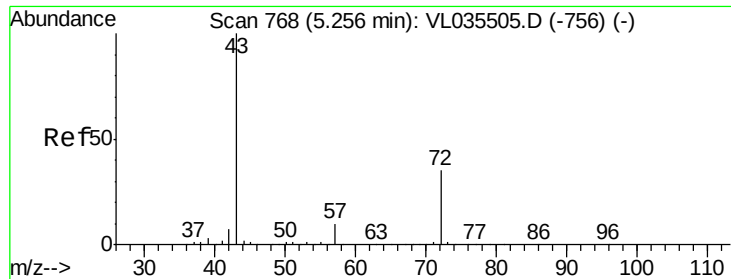


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.01 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

Tgt Ion: 114 Resp: 4434351
Ion Ratio Lower Upper
114 100
63 19.5 14.7 22.1
88 17.4 13.4 20.2

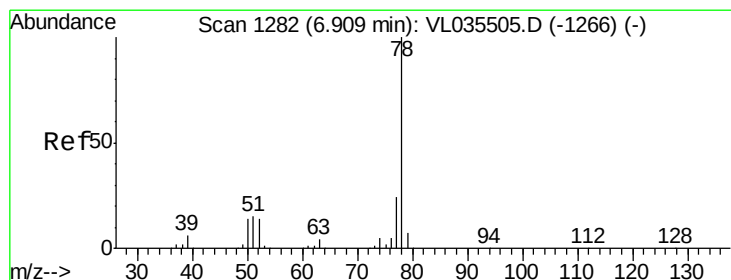
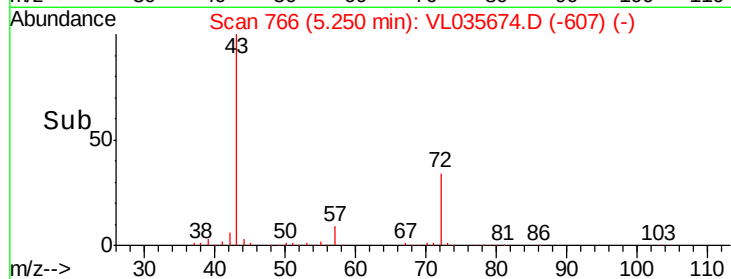
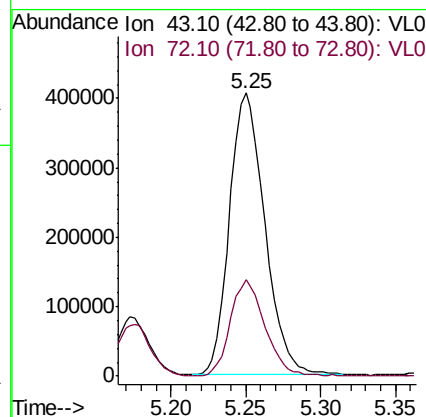
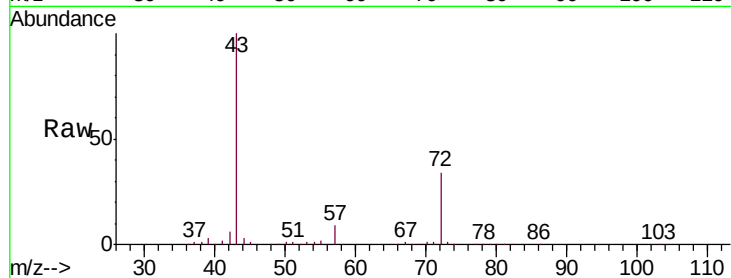




#34
 2-Butanone
 Concen: 5.092 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL035674.D
 Acq: 18 Sep 2020 2:26

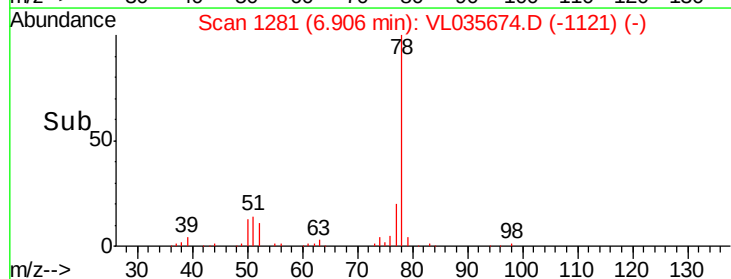
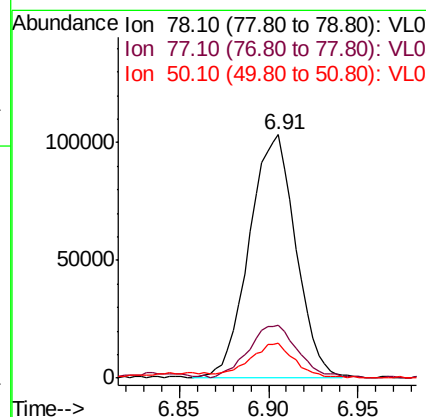
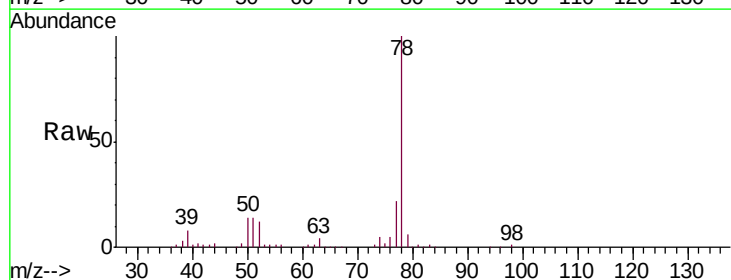
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

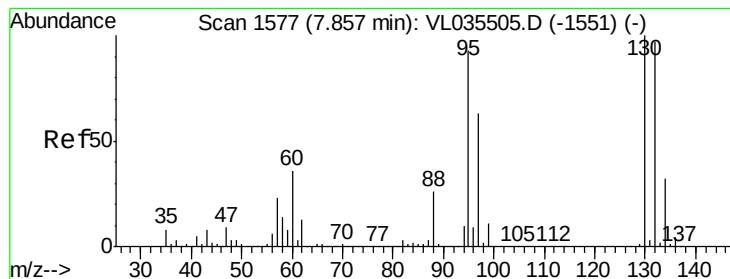
Tgt Ion: 43 Resp: 670065
 Ion Ratio Lower Upper
 43 100
 72 33.6 27.7 41.5



#36
 Benzene
 Concen: 0.652 ppbv
 RT: 6.91 min Scan# 1281
 Delta R.T. 0.01 min
 Lab File: VL035674.D
 Acq: 18 Sep 2020 2:26

Tgt Ion: 78 Resp: 187145
 Ion Ratio Lower Upper
 78 100
 77 21.0 19.3 28.9
 50 13.8 11.0 16.6





#38

Trichloroethene

Concen: 2.134 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampled :

BFB

Tgt Ion: 130 Resp: 355836

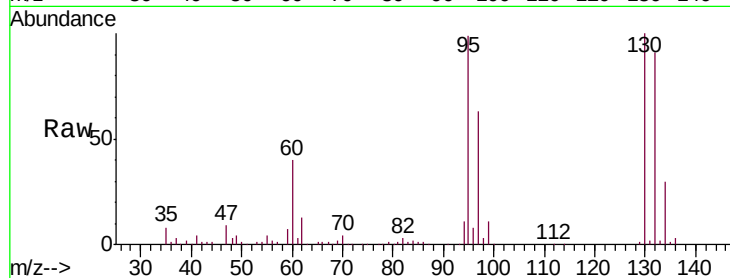
Ion Ratio Lower Upper

130 100

95 99.2 74.6 112.0

132 91.2 77.6 116.4

97 62.6 50.6 76.0

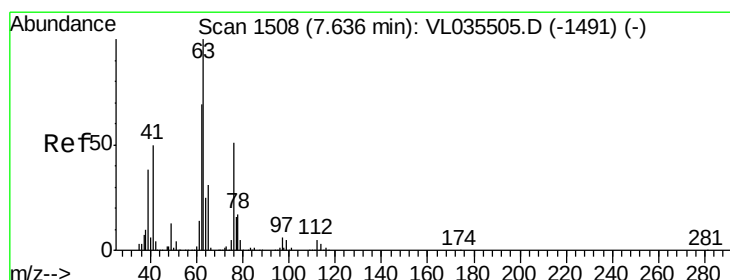
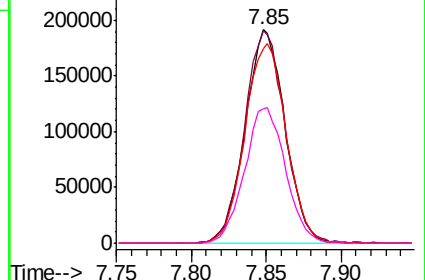
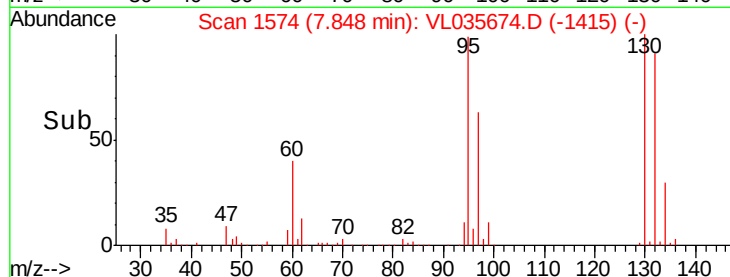


Abundance Ion 130.00 (129.70 to 130.70): V

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: 8.864 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.43 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

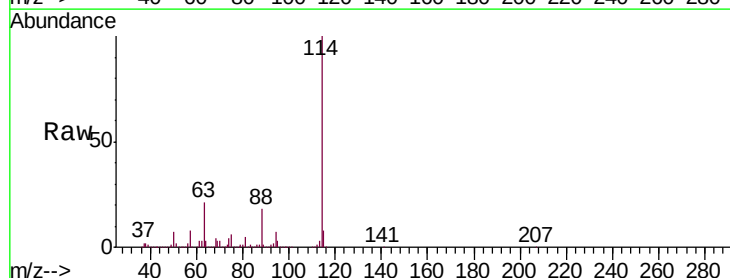
Tgt Ion: 63 Resp: 859538

Ion Ratio Lower Upper

63 100

41 0.0 40.0 60.0#

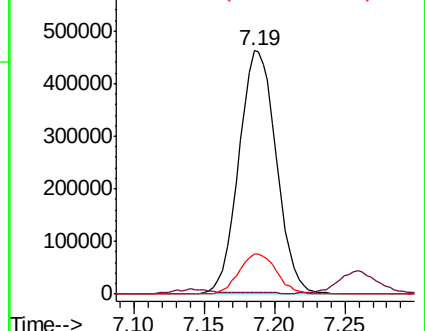
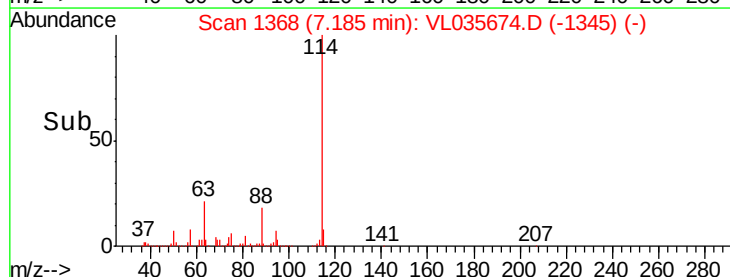
62 16.7 55.4 83.0#

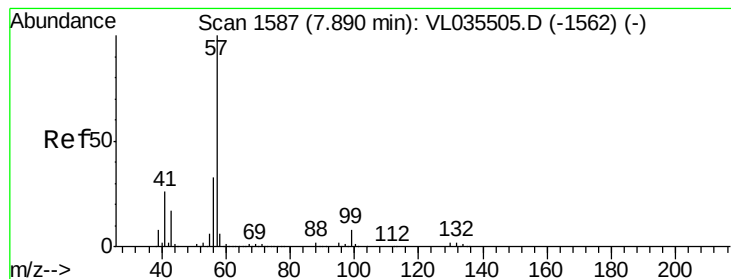


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.066 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

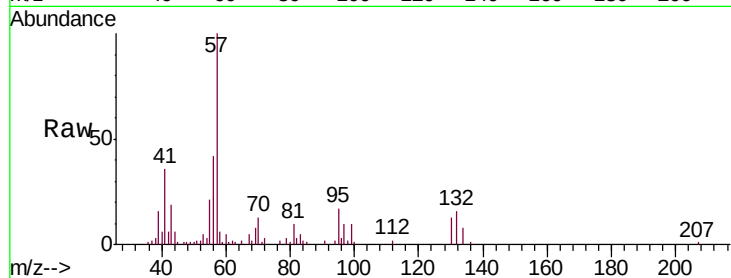
Tgt Ion: 57 Resp: 25080

Ion Ratio Lower Upper

57 100

41 109.6 20.5 30.7#

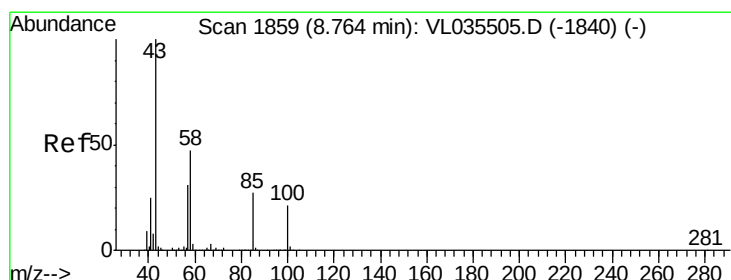
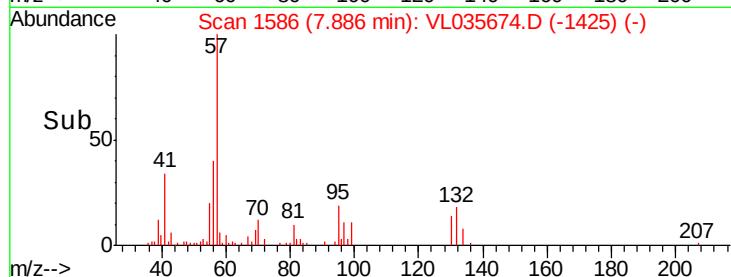
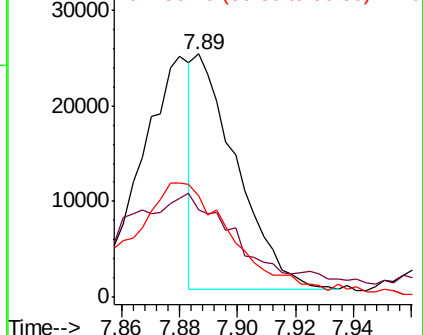
56 0.0 25.3 37.9#



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#50

4-Methyl-2-Pentanone

Concen: 18.253 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL035674.D

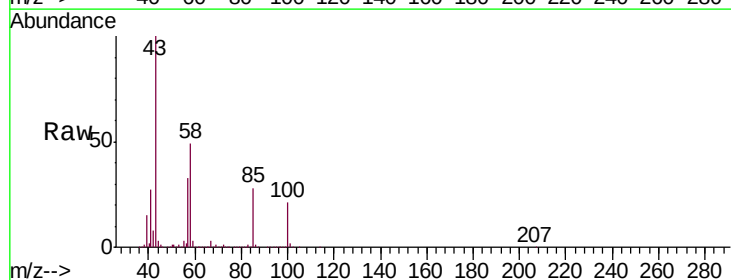
Acq: 18 Sep 2020 2:26

Tgt Ion: 43 Resp: 3478274

Ion Ratio Lower Upper

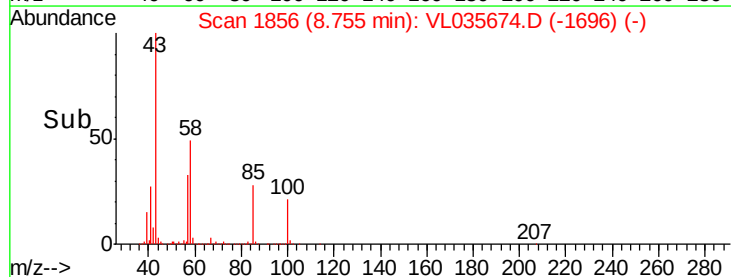
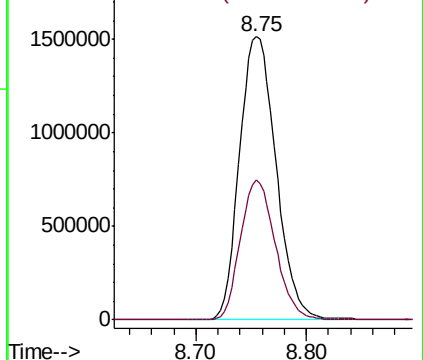
43 100

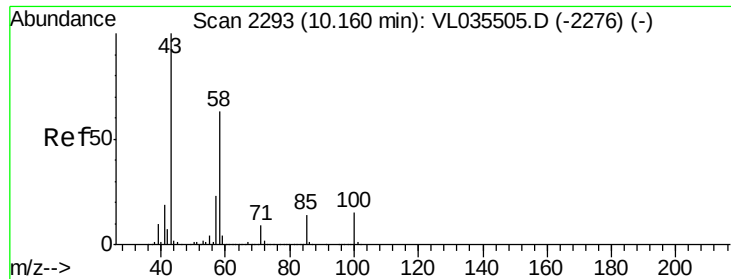
58 47.4 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.549 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampled :

BFB

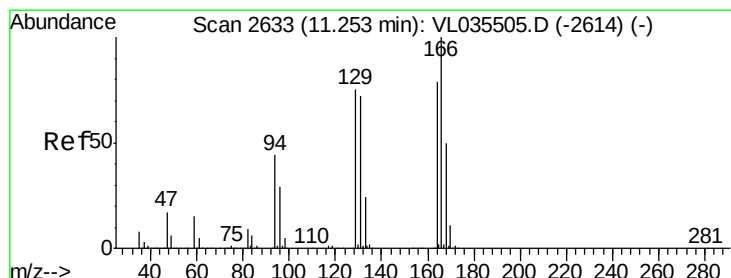
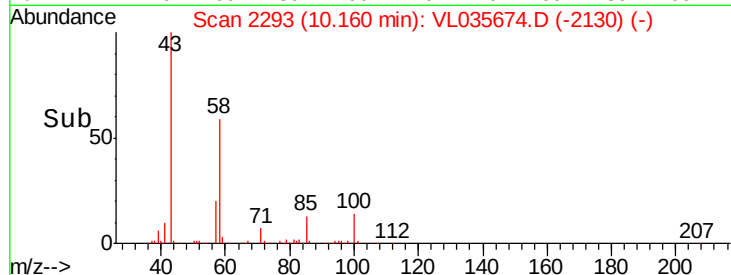
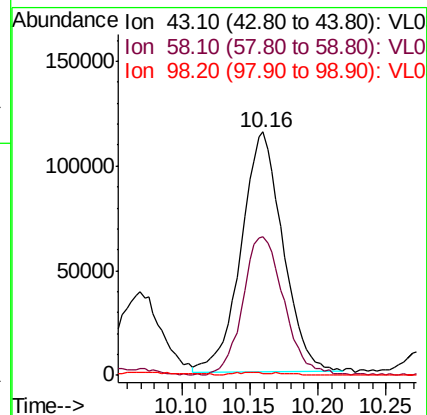
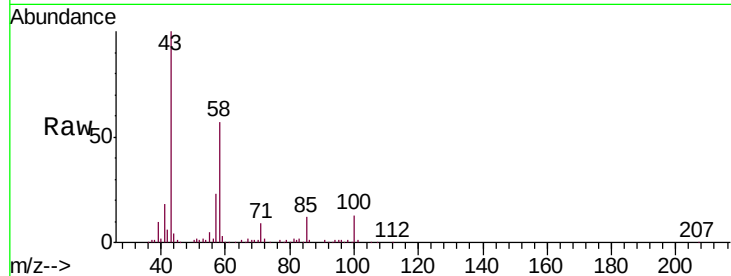
Tgt Ion: 43 Resp: 242123

Ion Ratio Lower Upper

43 100

58 57.3 50.2 75.4

98 1.5 0.4 0.6#



#52

Tetrachloroethene

Concen: 39.779 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Tgt Ion: 164 Resp: 6670501

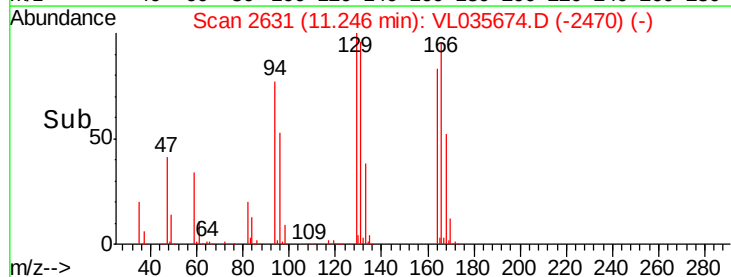
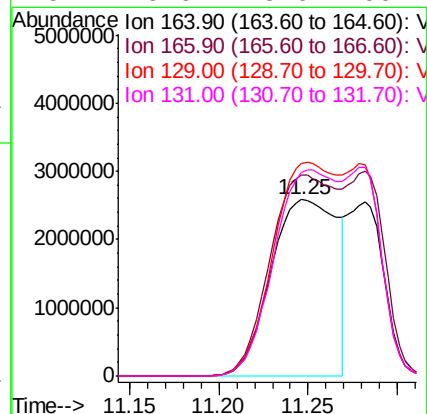
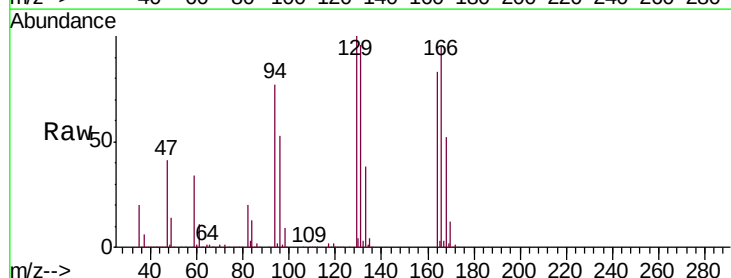
Ion Ratio Lower Upper

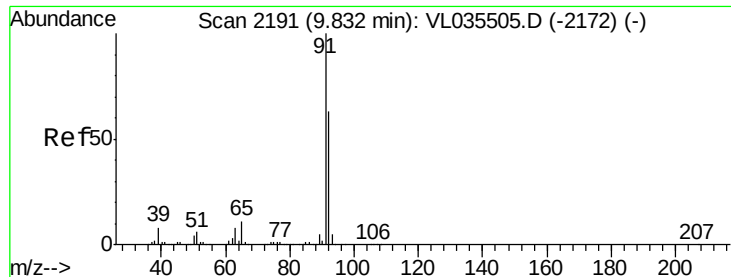
164 100

166 114.1 100.9 151.3

129 120.6 75.3 112.9#

131 115.9 73.0 109.4#





#53

Toluene

Concen: 3.232 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

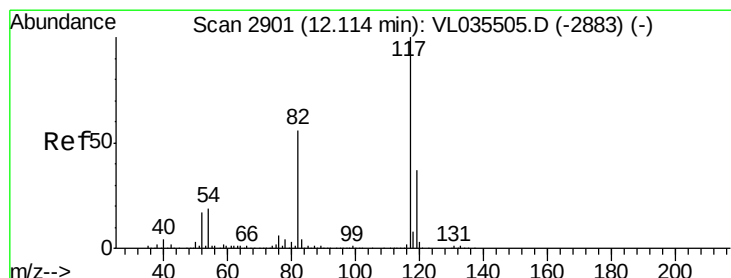
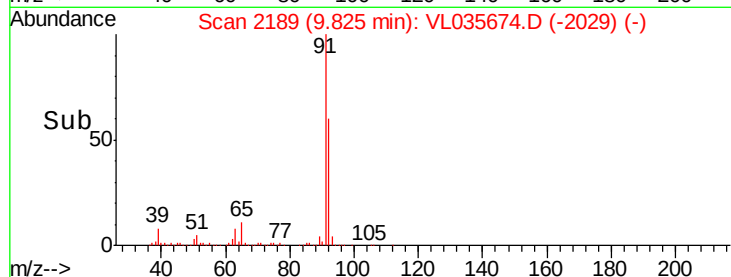
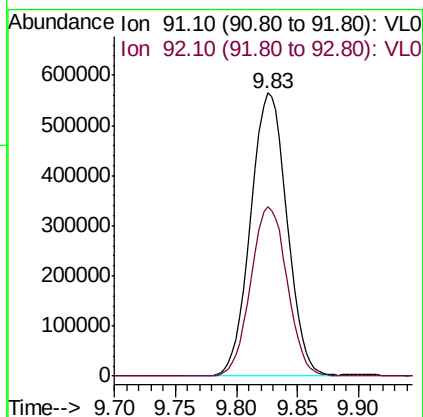
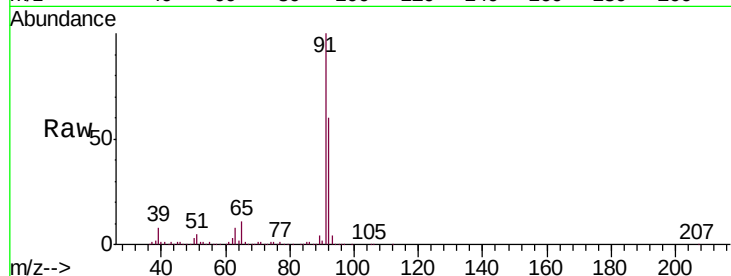
BFB

Tgt Ion: 91 Resp: 1166540

Ion Ratio Lower Upper

91 100

92 60.1 49.8 74.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

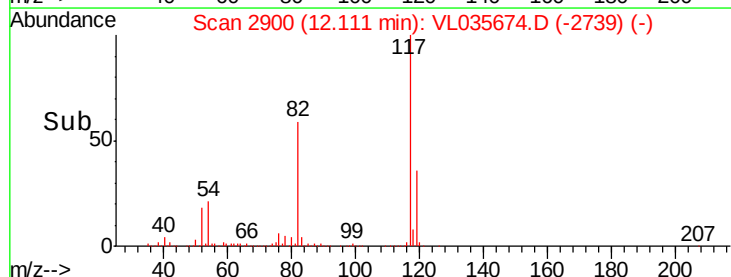
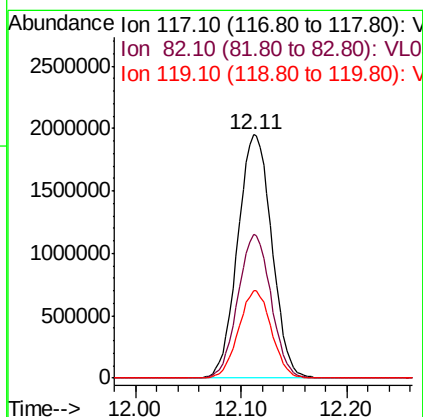
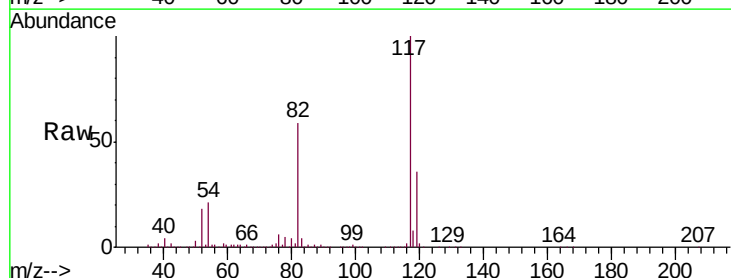
Tgt Ion: 117 Resp: 4386385

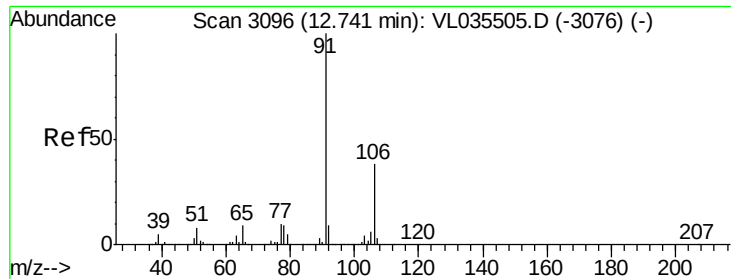
Ion Ratio Lower Upper

117 100

82 57.3 41.6 62.4

119 34.6 29.3 43.9





#58

Ethyl Benzene

Concen: 1.006 ppbv

RT: 12.74 min Scan# 3095

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

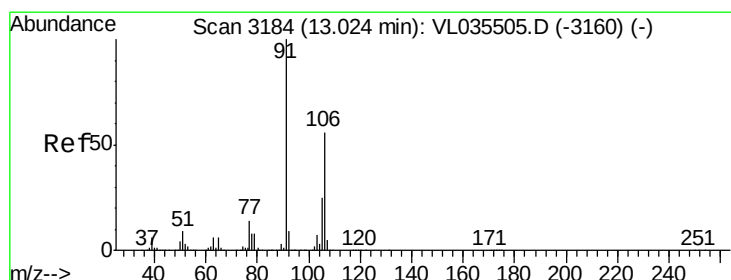
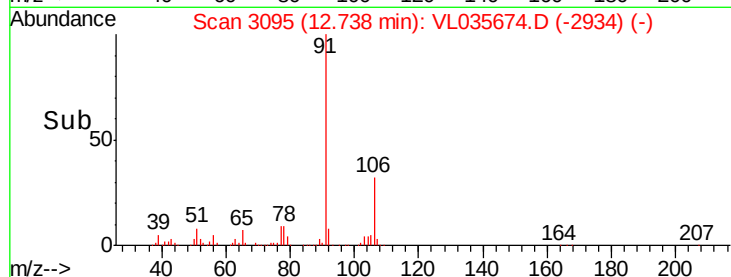
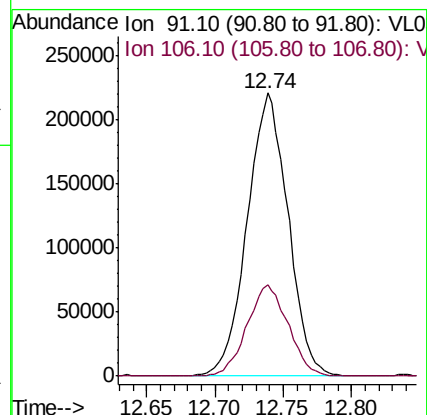
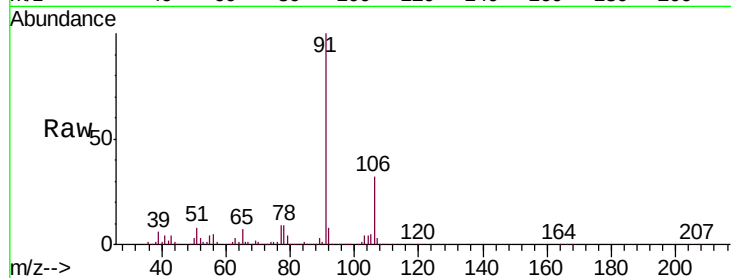
BFB

Tgt Ion: 91 Resp: 455250

Ion Ratio Lower Upper

91 100

106 32.4 30.3 45.5



#59

m/p-Xylene

Concen: 4.205 ppbv

RT: 12.99 min Scan# 3174

Delta R.T. -0.02 min

Lab File: VL035674.D

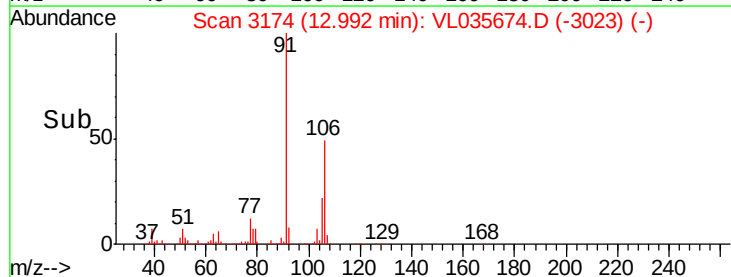
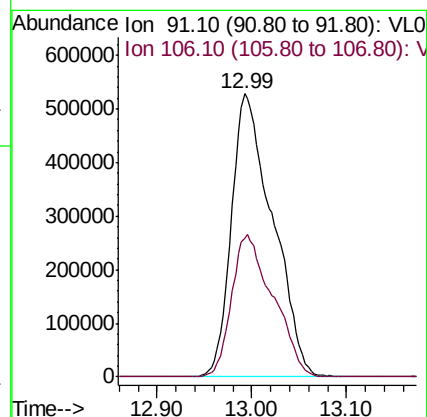
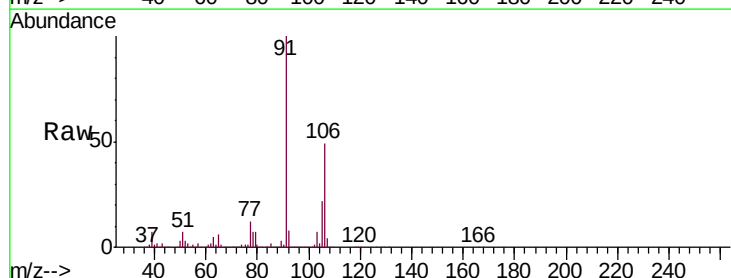
Acq: 18 Sep 2020 2:26

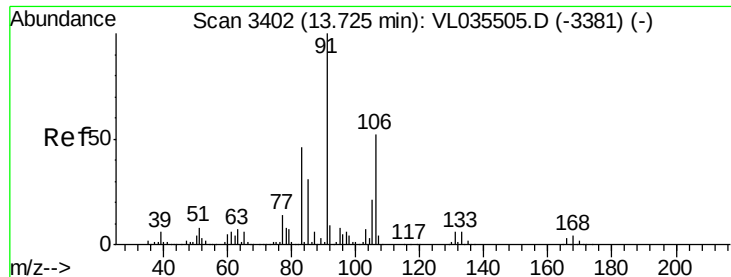
Tgt Ion: 91 Resp: 1589459

Ion Ratio Lower Upper

91 100

106 50.8 43.4 65.2

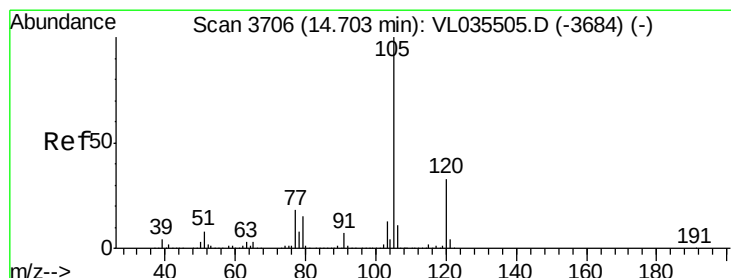
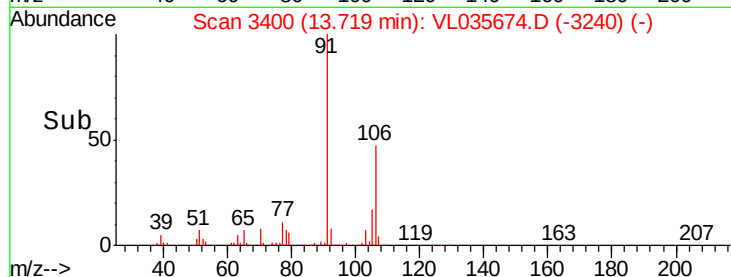
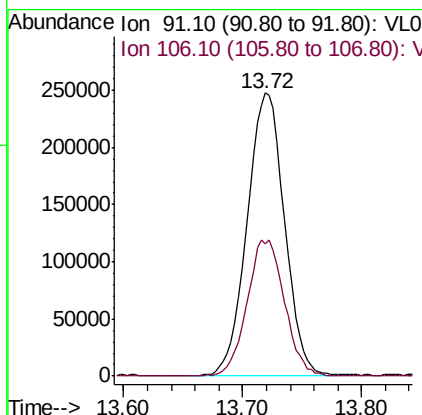
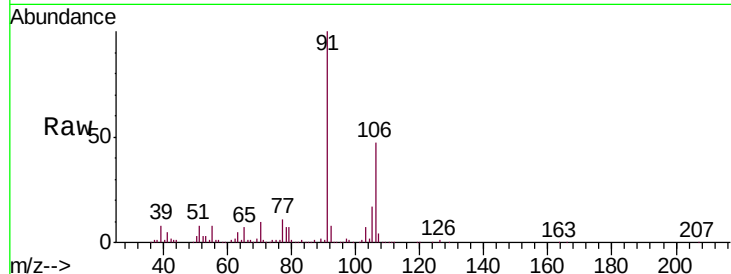




#60
o-Xylene
Concen: 1.412 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.01 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

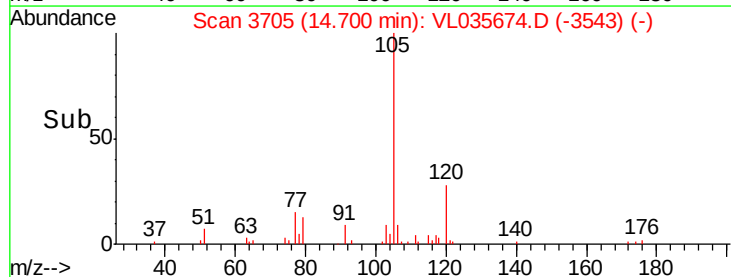
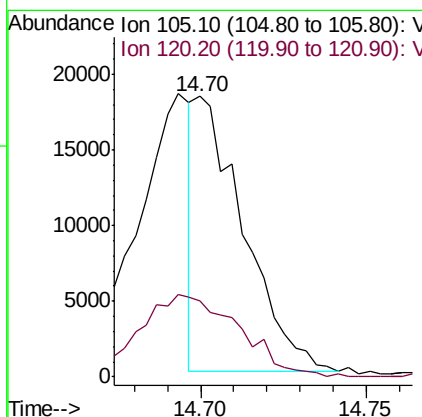
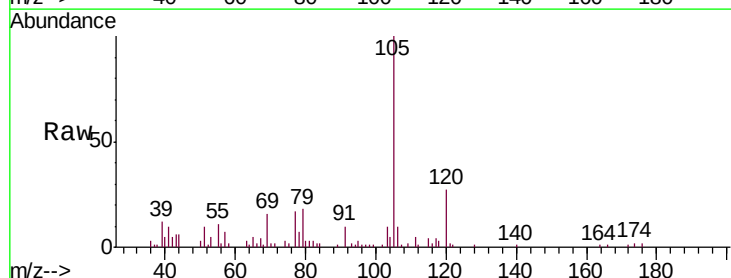
Instrument :
MSVOA_L
ClientSampleId :
BFB

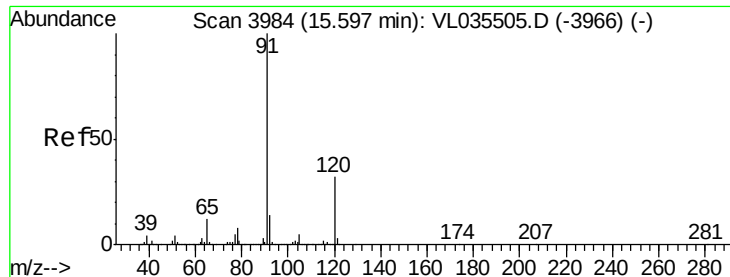
Tgt Ion: 91 Resp: 537366
Ion Ratio Lower Upper
91 100
106 48.3 25.8 77.4



#62
Isopropylbenzene
Concen: 0.030 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.02 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

Tgt Ion: 105 Resp: 18433
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#

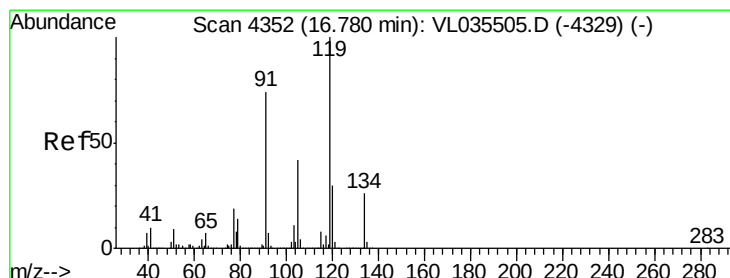
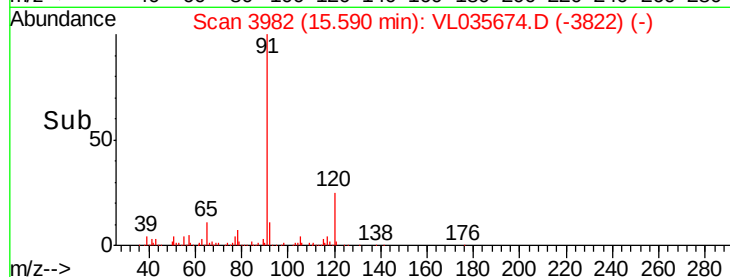
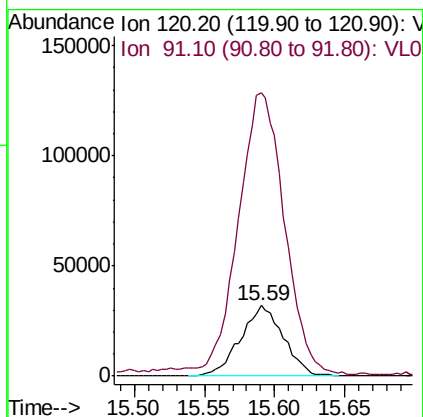
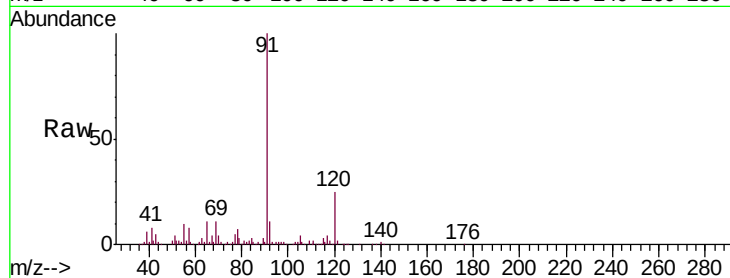




#64
n-propylbenzene
Concen: 0.361 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. 0.01 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

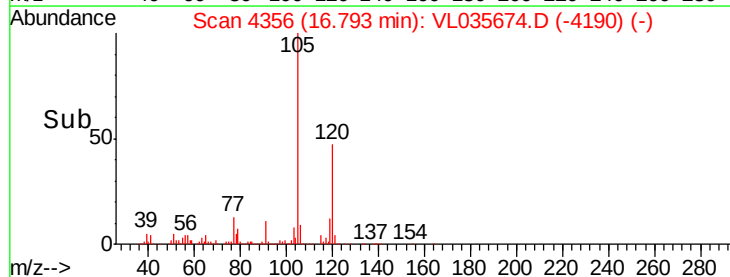
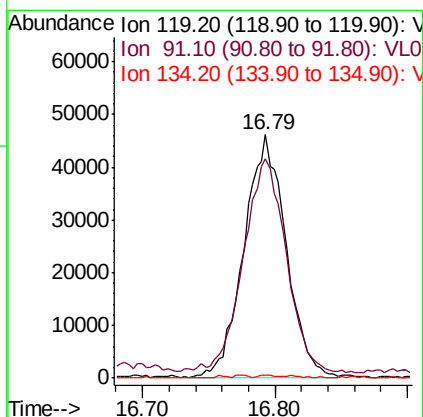
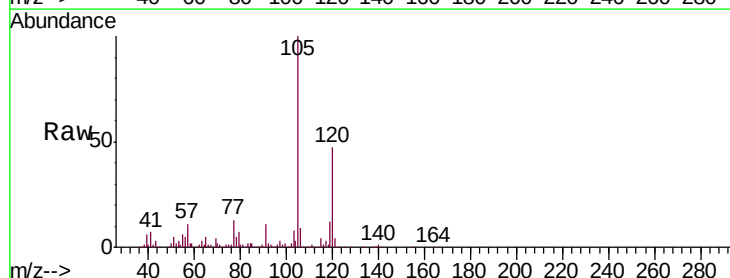
Instrument :
MSVOA_L
ClientSampled :
BFB

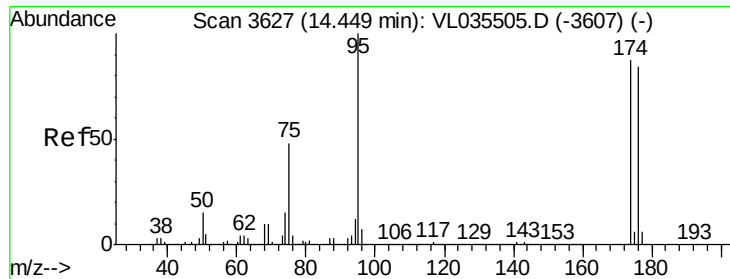
Tgt Ion:120 Resp: 67389
Ion Ratio Lower Upper
120 100
91 440.1 279.4 419.0#



#65
tert-Butylbenzene
Concen: 0.179 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.03 min
Lab File: VL035674.D
Acq: 18 Sep 2020 2:26

Tgt Ion:119 Resp: 101584
Ion Ratio Lower Upper
119 100
91 90.6 58.6 87.8#
134 0.9 18.9 28.3#

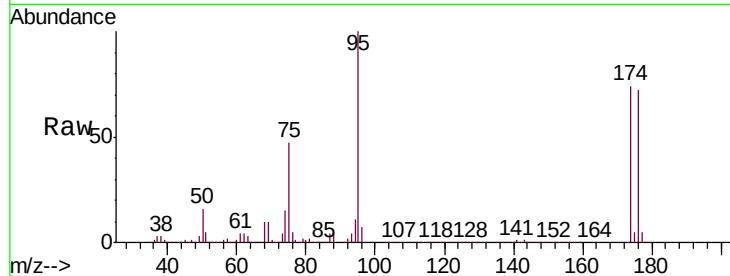




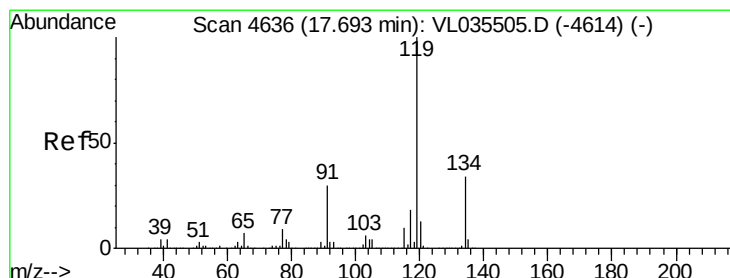
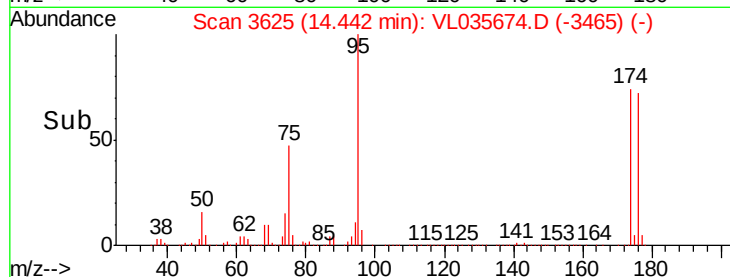
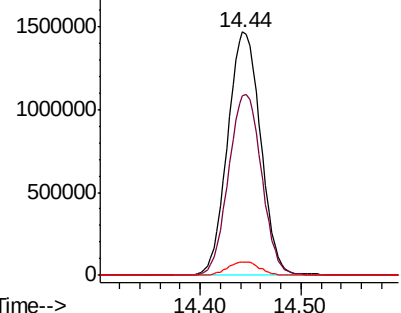
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.682 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. 0.01 min
 Lab File: VL035674.D
 Acq: 18 Sep 2020 2:26

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion: 95 Resp: 3327423
 Ion Ratio Lower Upper
 95 100
 174 75.0 69.6 104.4
 175 5.4 5.1 7.7

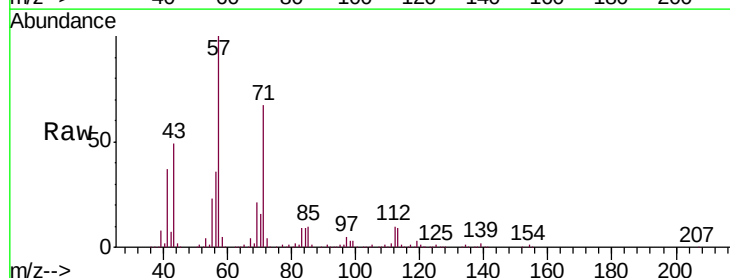


Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

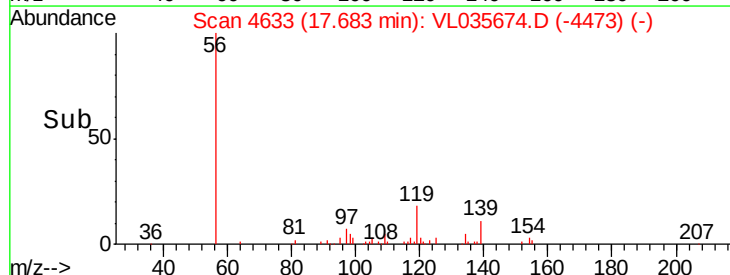
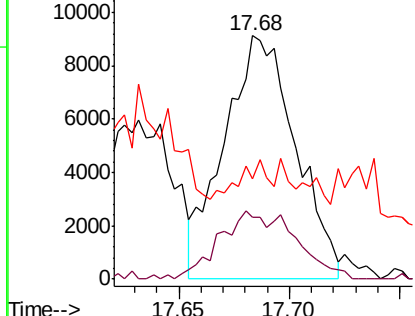


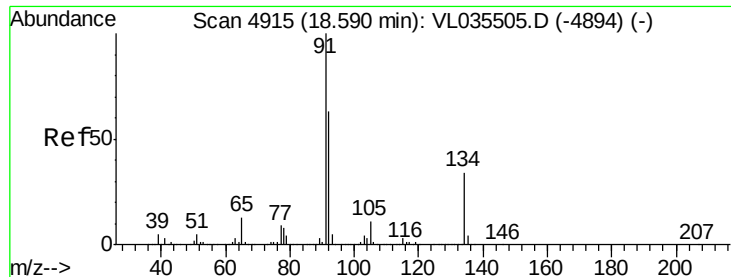
#69
 p-Isopropyltoluene
 Concen: 0.031 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.01 min
 Lab File: VL035674.D
 Acq: 18 Sep 2020 2:26

Tgt Ion: 119 Resp: 20566
 Ion Ratio Lower Upper
 119 100
 134 30.2 25.0 37.4
 91 0.0 22.3 33.5#



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: 0.079 ppbv

RT: 18.59 min Scan# 4916

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

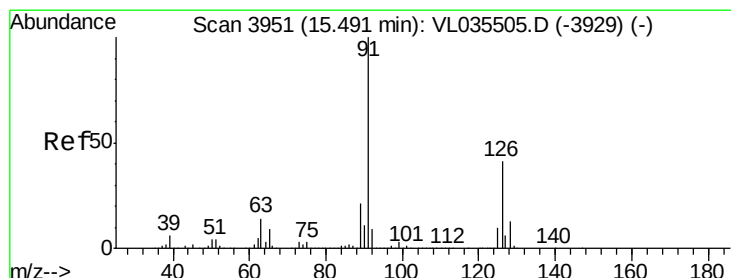
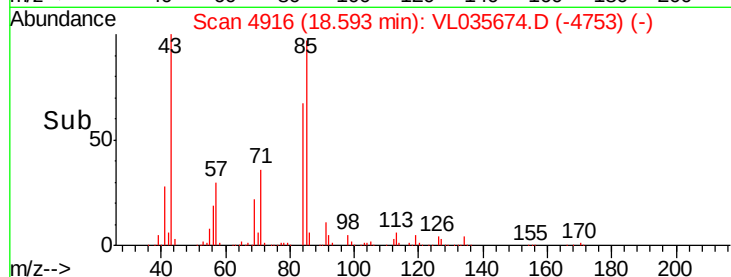
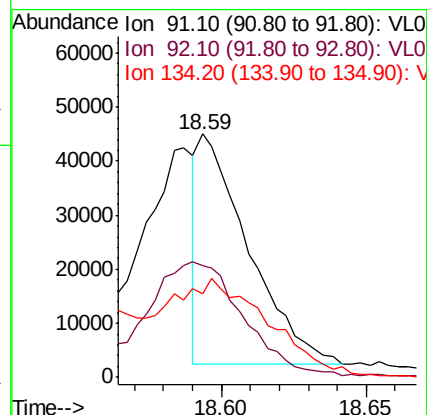
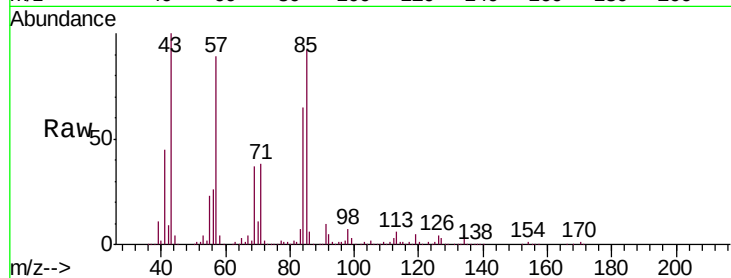
Tgt Ion: 91 Resp: 50605

Ion Ratio Lower Upper

91 100

92 0.0 47.3 70.9#

134 136.8 24.6 37.0#



#71

2-Chlorotoluene

Concen: 0.646 ppbv

RT: 15.59 min Scan# 3982

Delta R.T. 0.12 min

Lab File: VL035674.D

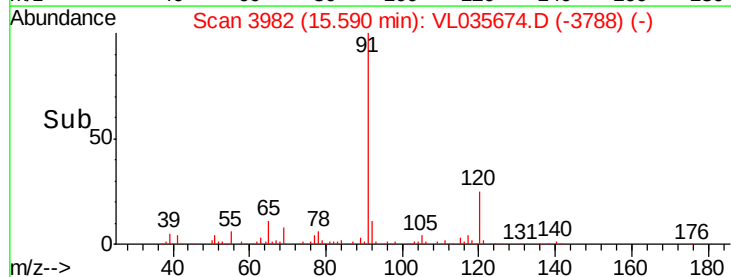
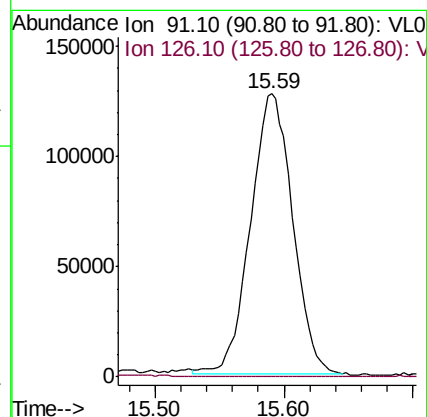
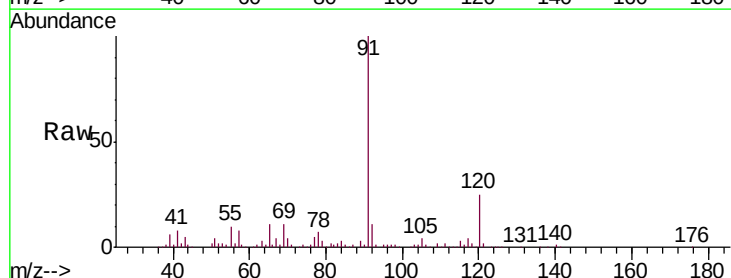
Acq: 18 Sep 2020 2:26

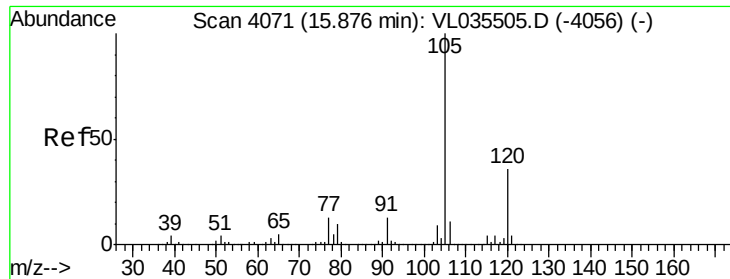
Tgt Ion: 91 Resp: 287452

Ion Ratio Lower Upper

91 100

126 0.6 15.6 62.6#





#72

4-Ethyltoluene

Concen: 0.810 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

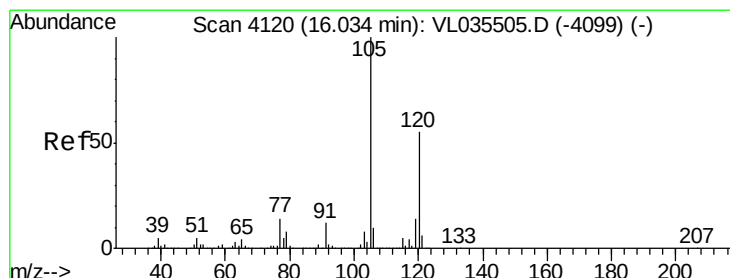
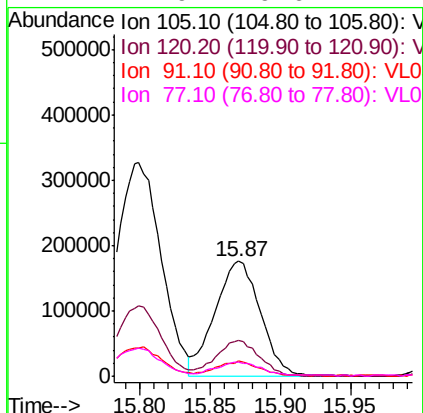
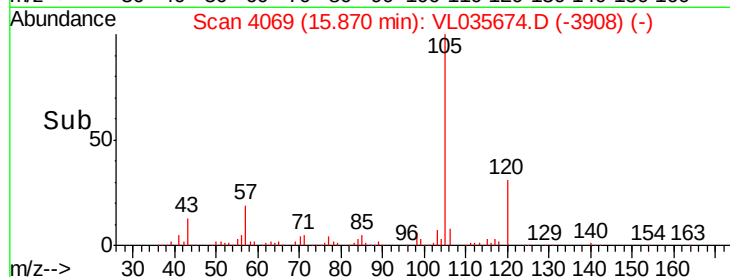
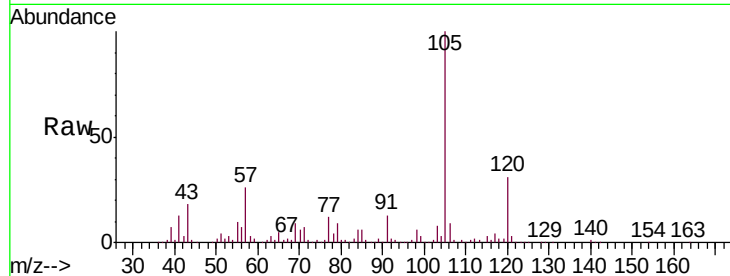
Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion:	105	Resp:	392191
Ion Ratio	Lower	Upper	
105	100		
120	30.1	27.4	41.2
91	11.7	9.7	14.5
77	11.9	9.6	14.4



#73

1,3,5-Trimethylbenzene

Concen: 0.404 ppbv

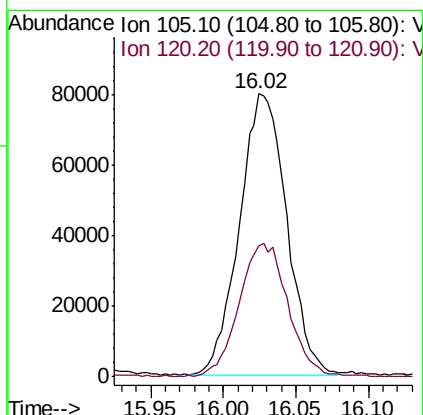
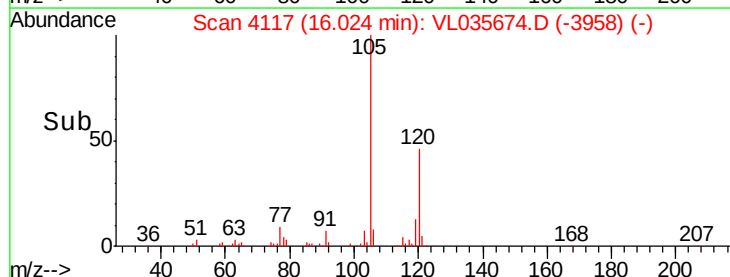
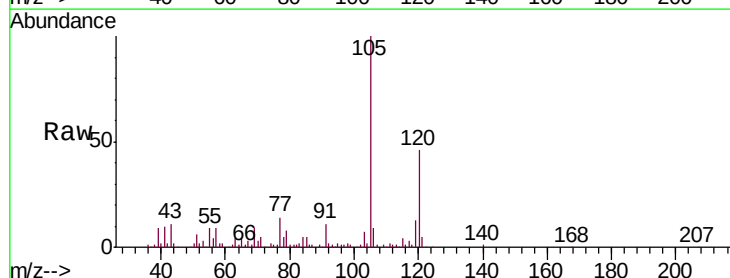
RT: 16.02 min Scan# 4117

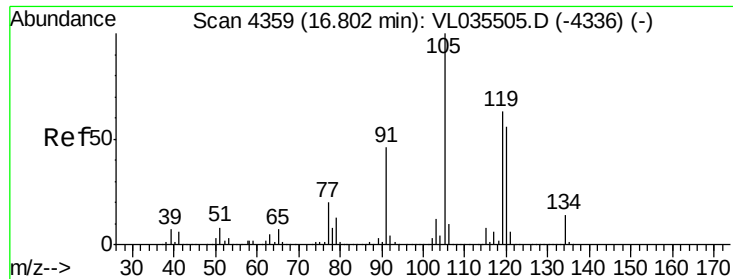
Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Tgt Ion:	105	Resp:	180642
Ion Ratio	Lower	Upper	
105	100		
120	46.0	44.2	66.2





#74

1,2,4-Trimethylbenzene

Concen: 1.744 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.01 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

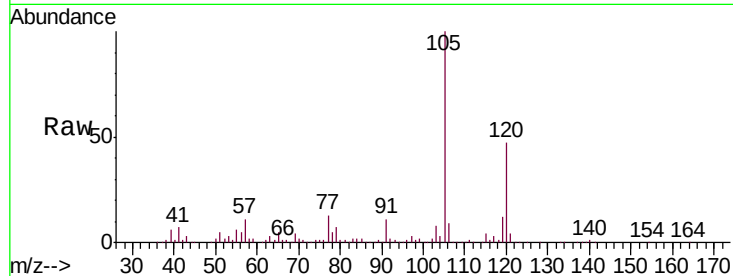
Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion:	105	Resp:	857356
Ion Ratio	Lower	Upper	
105	100		
120	46.6	44.4	66.6
91	10.7	37.1	55.7#
77	12.3	16.0	24.0#



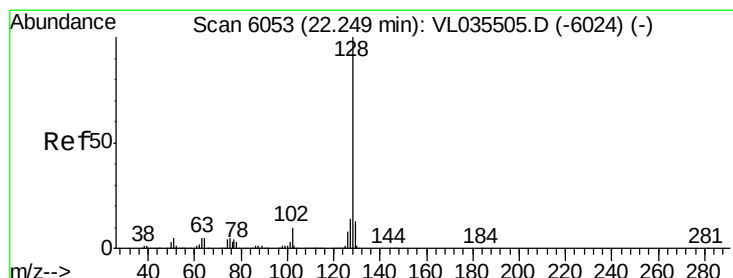
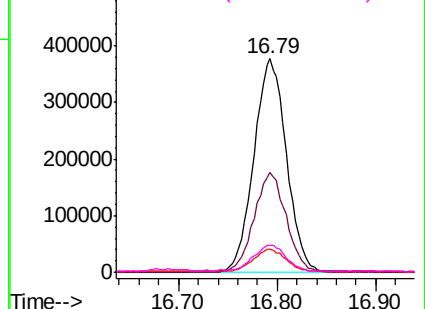
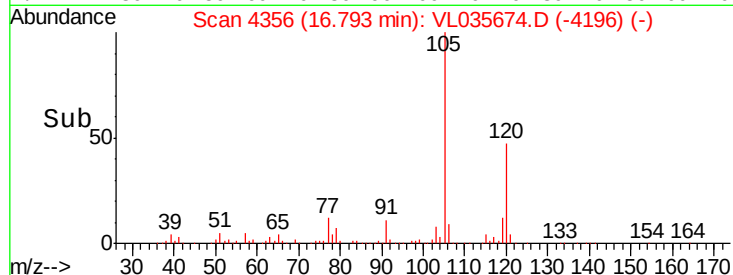
Abundance

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



#79

Naphthalene

Concen: 0.087 ppbv

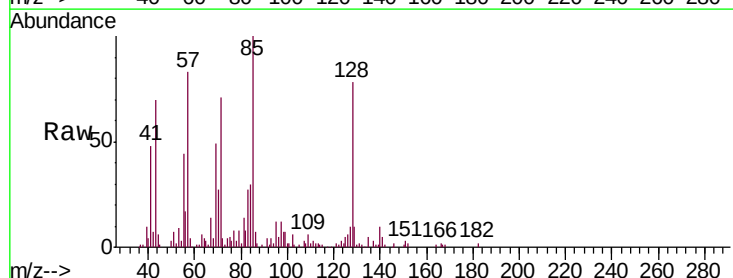
RT: 22.24 min Scan# 6051

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Tgt Ion:	128	Resp:	47217
Ion Ratio	Lower	Upper	
128	100		
127	12.1	11.4	17.2
129	11.8	10.5	15.7

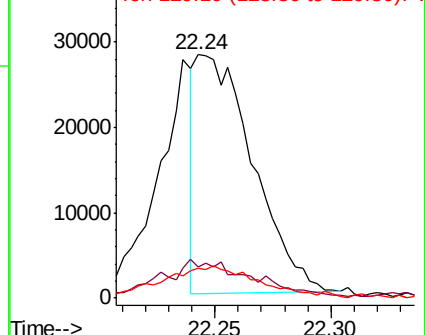
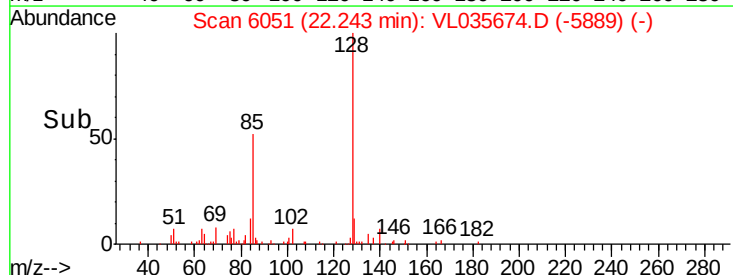


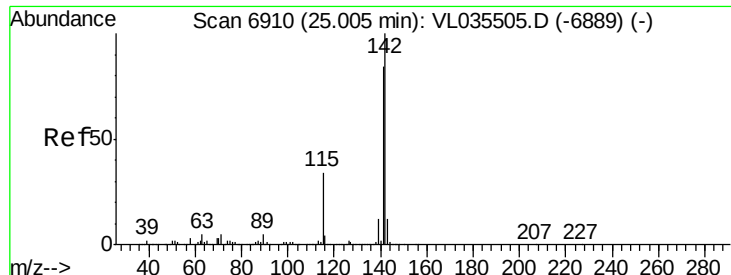
Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.046 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.02 min

Lab File: VL035674.D

Acq: 18 Sep 2020 2:26

Instrument :

MSVOA_L

ClientSampleId :

BFB

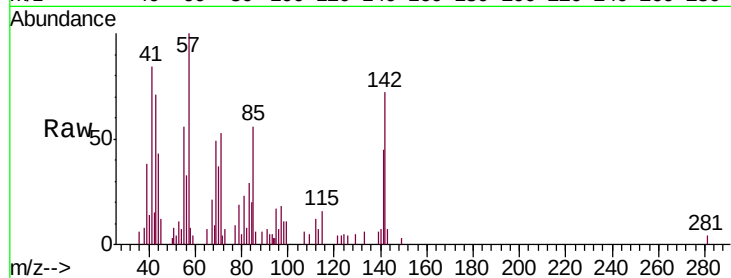
Tgt Ion:142 Resp: 8475

Ion Ratio Lower Upper

142 100

141 90.7 67.6 101.4

115 41.5 25.8 38.8#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

