

Data File : VL035487.D
Acq On : 21 Aug 2020 6:47
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Aug 21 08:55:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1030381	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4482527	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4454938	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3145947	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	6432	0.034	ppbv	98
3) Chlorodifluoromethane	2.99	51	9995	0.077	ppbv	100
4) Chloromethane	3.14	50	5354	0.080	ppbv #	82
5) Vinyl Chloride	3.26	62	4387	0.055	ppbv	96
7) Chloroethane	3.56	64	1115	0.038	ppbv #	66
8) Dichlorotetrafluoroethane	3.19	85	9536	0.039	ppbv #	65
9) Propene	3.02	41	7584	0.146	ppbv	94
11) Trichlorofluoromethane	3.95	101	16911	0.056	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	12486	0.056	ppbv	83
15) Acetone	3.86	43	65043	0.548	ppbv #	44
16) 1,3-Butadiene	3.32	39	1975	0.041	ppbv #	38
18) 1,1-Dichloroethene	4.29	96	6625	0.067	ppbv #	37
19) Isopropyl Alcohol	3.99	45	4324	0.053	ppbv #	97
20) Methylene Chloride	4.34	84	218016	2.278	ppbv #	64
21) Allyl Chloride	4.41	41	3186	0.053	ppbv #	57
22) trans-1,2-Dichloroethene	4.88	96	5832	0.055	ppbv #	48
23) Vinyl Acetate	5.07	43	11365	0.067	ppbv #	89
24) 1,1-Dichloroethane	5.01	63	9402	0.056	ppbv #	93
25) Ethyl Acetate	5.69	43	52694	0.228	ppbv #	84
26) Hexane	5.69	57	75058	0.576	ppbv #	36
27) Carbon Disulfide	4.55	76	7982	0.042	ppbv #	60
29) Chloroform	5.75	83	18623	0.071	ppbv	97
34) 2-Butanone	5.26	43	14019	0.094	ppbv #	68
35) Carbon Tetrachloride	7.02	117	11199	0.047	ppbv #	82
36) Benzene	6.89	78	16687	0.051	ppbv #	82
37) 1,2-Dichloroethane	6.31	62	8125	0.054	ppbv #	86
38) Trichloroethene	7.84	130	14019	0.077	ppbv #	71
39) 1,2-Dichloropropane	7.18	63	787693	7.265	ppbv #	23
42) Bromodichloromethane	7.79	83	13585	0.054	ppbv #	94
47) 1,1,2-Trichloroethane	9.48	97	5648	0.035	ppbv #	44
52) Tetrachloroethene	11.23	164	10445	0.052	ppbv #	81
57) Chlorobenzene	12.16	112	12654	0.034	ppbv #	70
58) Ethyl Benzene	12.73	91	17127	0.032	ppbv	99
60) o-Xylene	13.71	91	18149	0.041	ppbv	93
63) 1,1,2,2-Tetrachloroethane	13.70	83	16088	0.051	ppbv	96
72) 4-Ethyltoluene	15.86	105	19553	0.034	ppbv	95
73) 1,3,5-Trimethylbenzene	16.02	105	18289	0.034	ppbv	92
74) 1,2,4-Trimethylbenzene	16.79	105	22080	0.038	ppbv #	89
76) 1,4-Dichlorobenzene	17.16	146	82984	0.186	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	42505	0.096	ppbv #	22
81) 1,2,4-Trichlorobenzene	21.97	180	18523	0.037	ppbv	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082020\
Quantitation Report (Not Reviewed)

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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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Acq On : 21 Aug 2020 6:47

Operator : SY/AP

Sample : VIBLK

Misc : 400ml/MSVOA_L

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Instrument :
MSVOA_L
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VIBLK

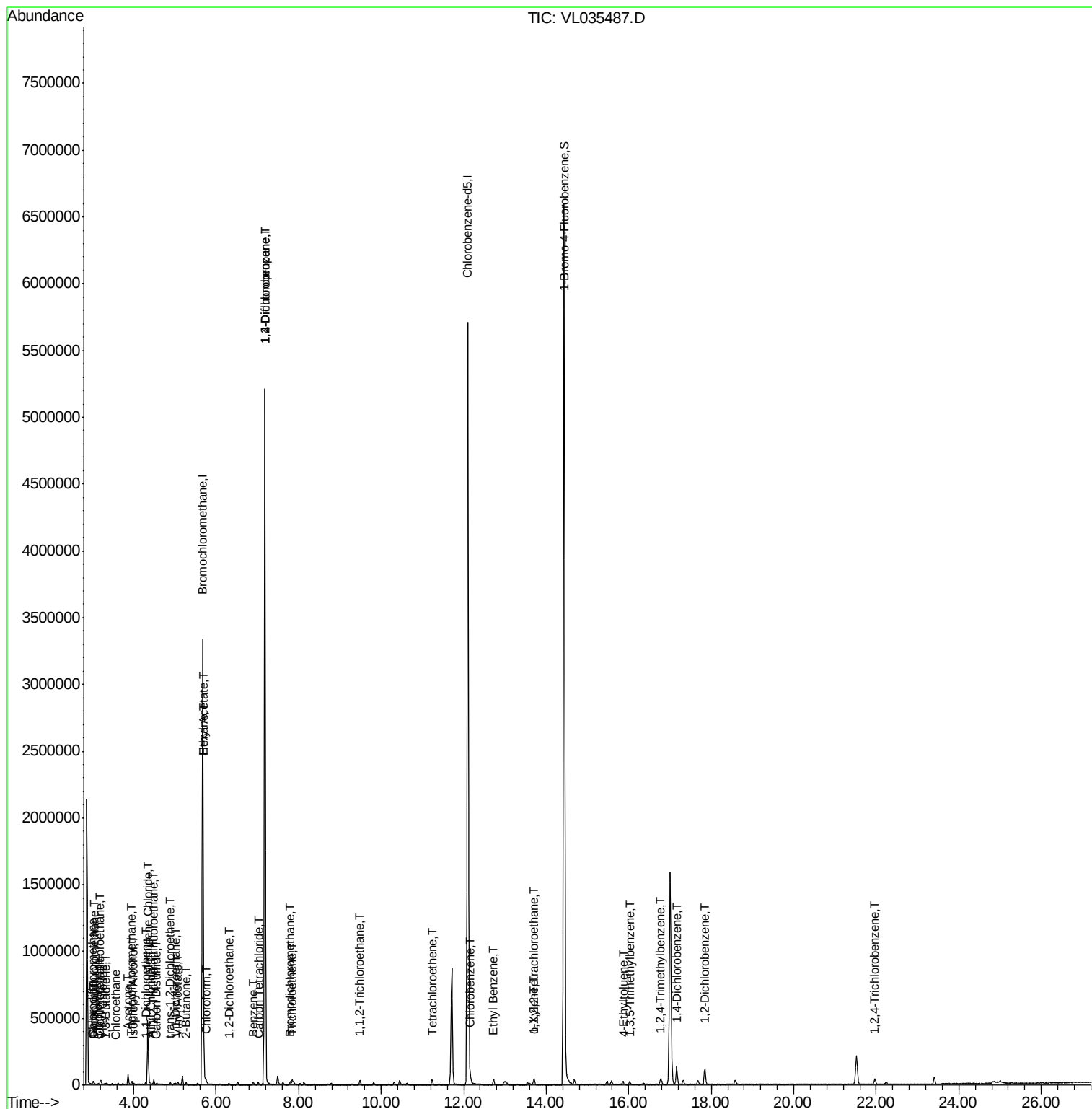
Quant Time: Aug 21 08:55:23 2020

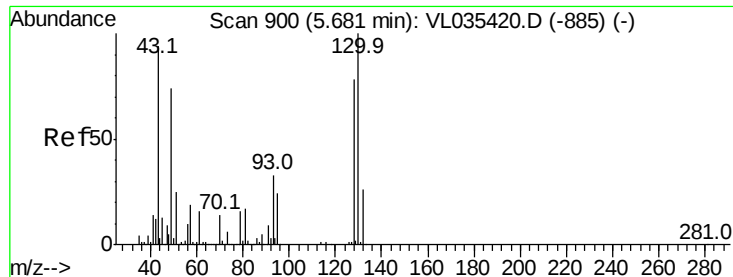
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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020

QLast Update : Mon Aug 17 19:28:30 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

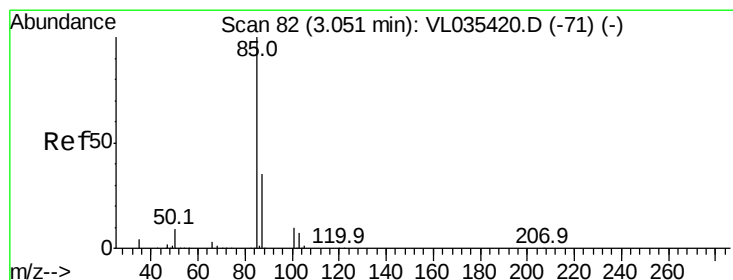
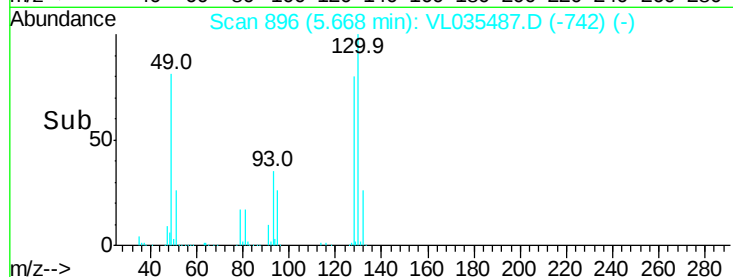
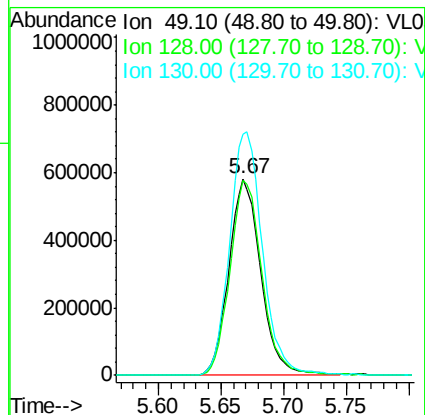
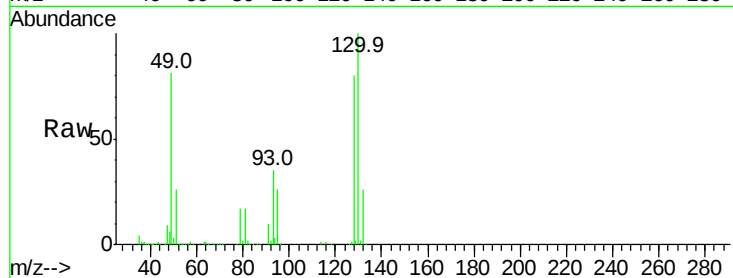
Tgt Ion: 49 Resp: 1030381

Ion Ratio Lower Upper

49 100

128 100.3 20.9 62.7#

130 128.2 26.7 80.1#



#2

Dichlorodifluoromethane

Concen: 0.034 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035487.D

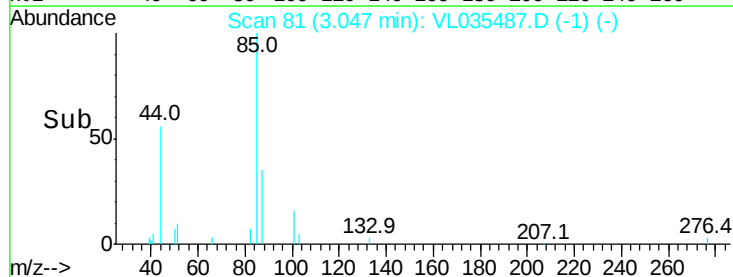
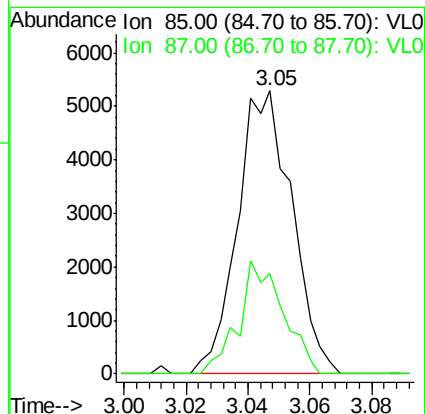
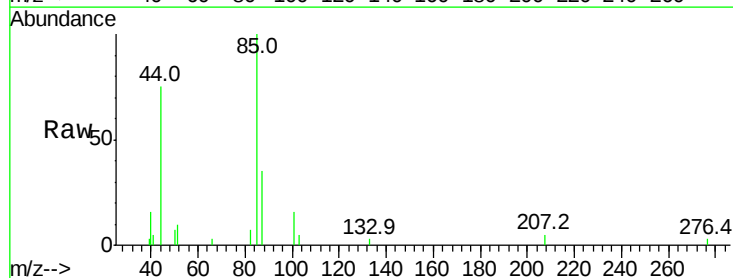
Acq: 21 Aug 2020 6:47

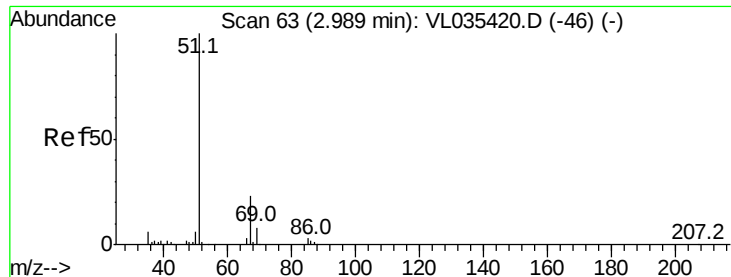
Tgt Ion: 85 Resp: 6432

Ion Ratio Lower Upper

85 100

87 35.3 27.1 40.7





#3

Chlorodifluoromethane

Concen: 0.077 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

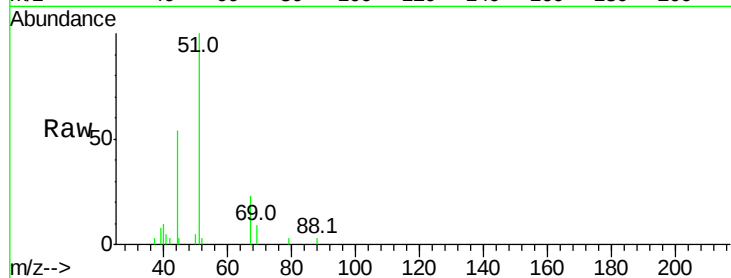
VIBLK

Tgt Ion: 51 Resp: 9995

Ion Ratio Lower Upper

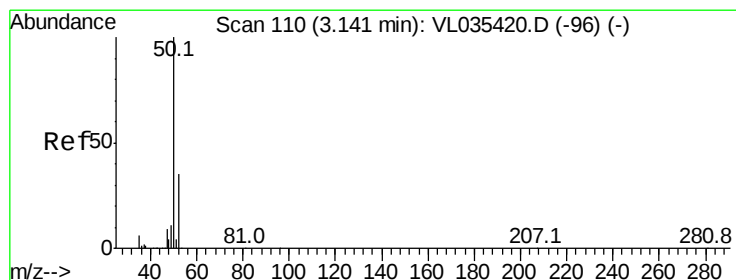
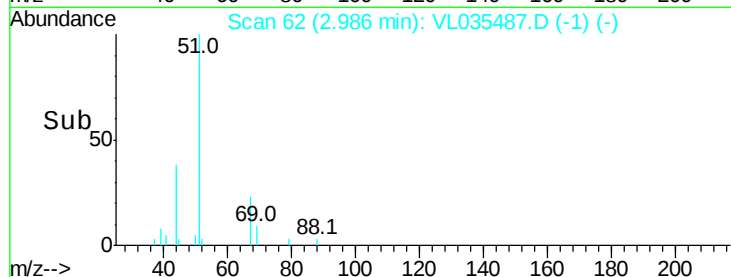
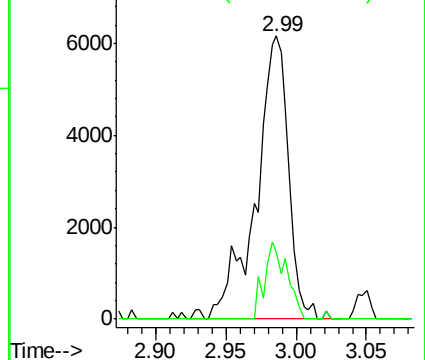
51 100

67 18.9 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.080 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL035487.D

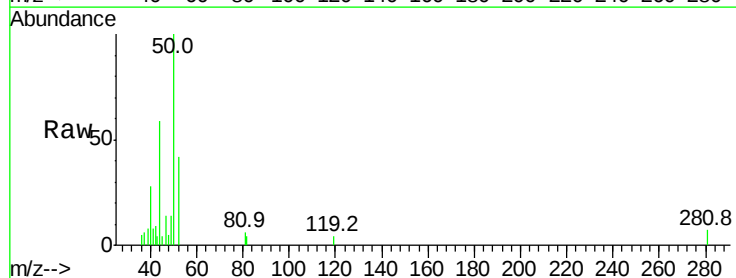
Acq: 21 Aug 2020 6:47

Tgt Ion: 50 Resp: 5354

Ion Ratio Lower Upper

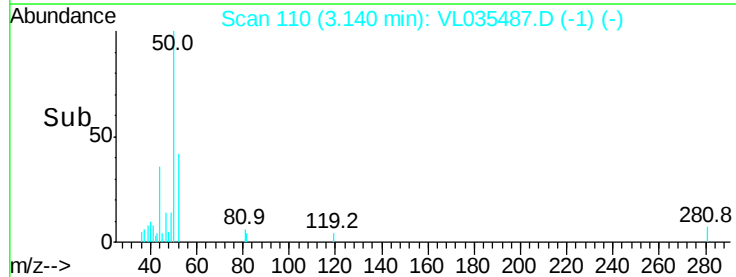
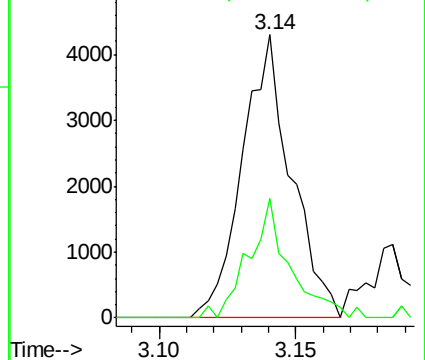
50 100

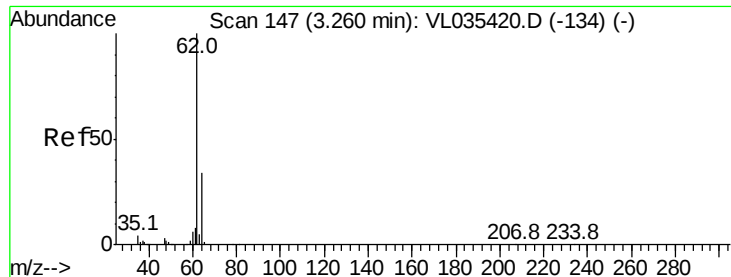
52 42.4 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.055 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampled :

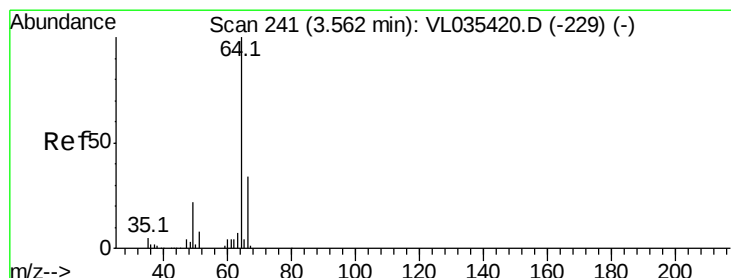
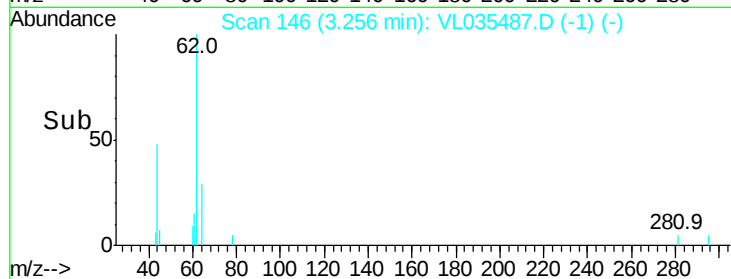
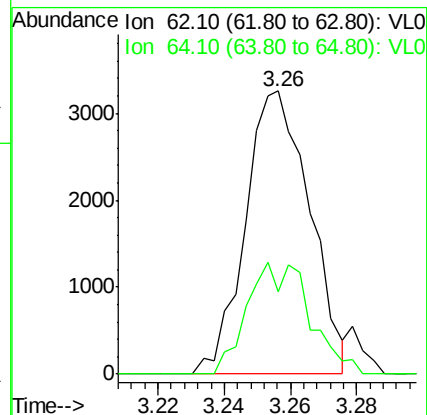
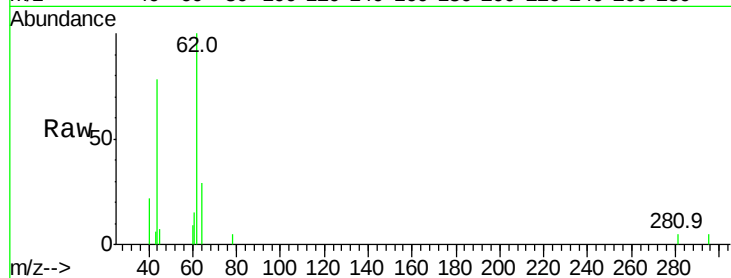
VIBLK

Tgt Ion: 62 Resp: 4387

Ion Ratio Lower Upper

62 100

64 29.2 25.0 37.4



#7

Chloroethane

Concen: 0.038 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL035487.D

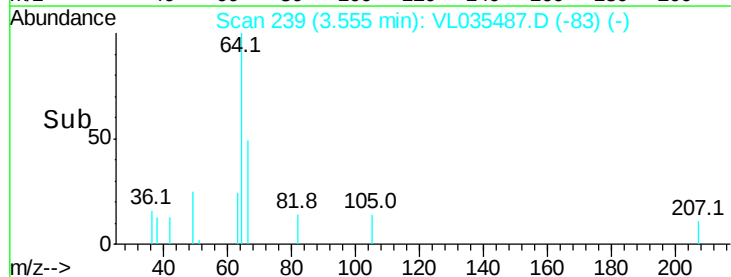
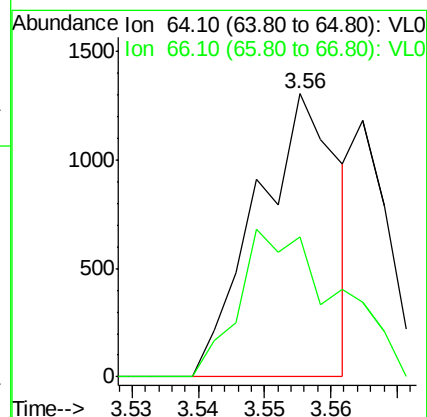
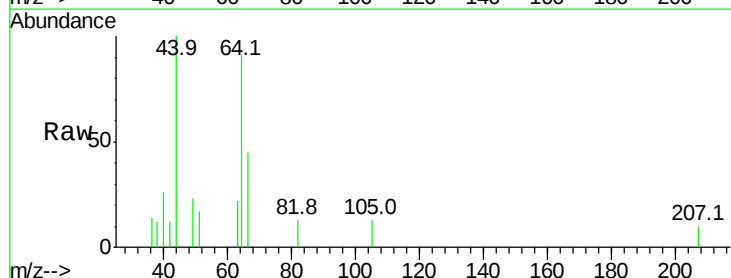
Acq: 21 Aug 2020 6:47

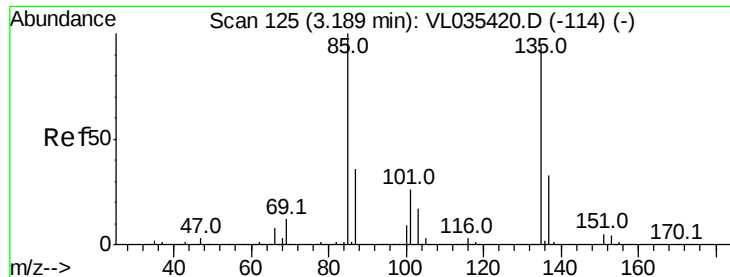
Tgt Ion: 64 Resp: 1115

Ion Ratio Lower Upper

64 100

66 49.3 24.5 36.7#





#8

Dichlorotetrafluoroethane

Concen: 0.039 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

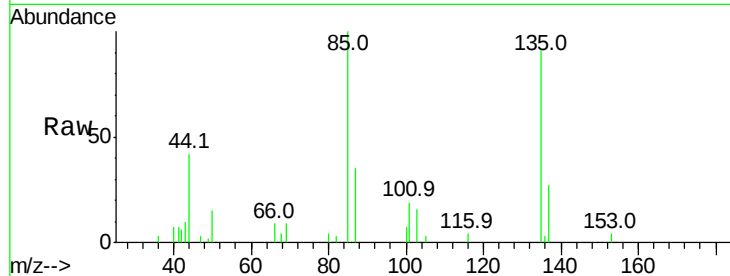
VIBLK

Tgt Ion: 85 Resp: 9536

Ion Ratio Lower Upper

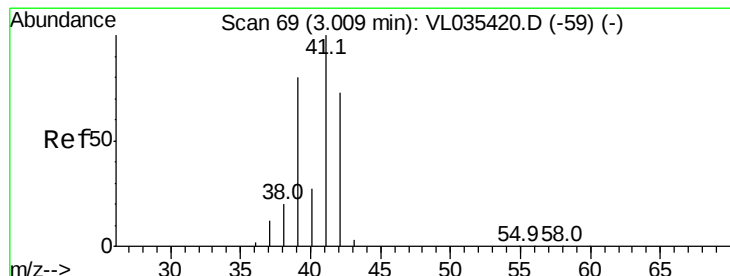
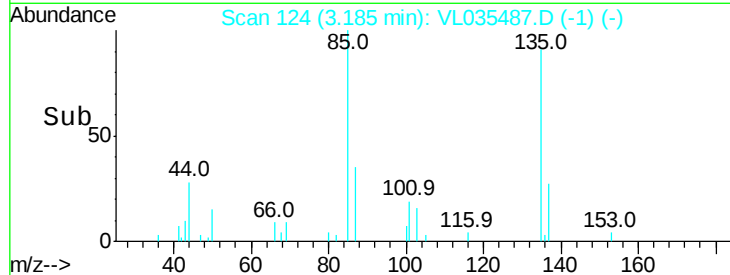
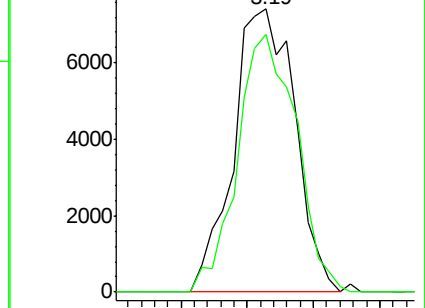
85 100

135 87.2 48.6 72.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.146 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035487.D

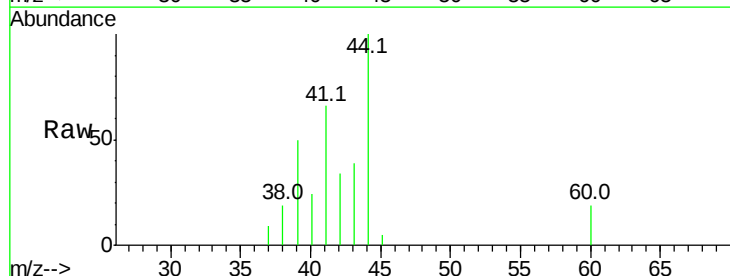
Acq: 21 Aug 2020 6:47

Tgt Ion: 41 Resp: 7584

Ion Ratio Lower Upper

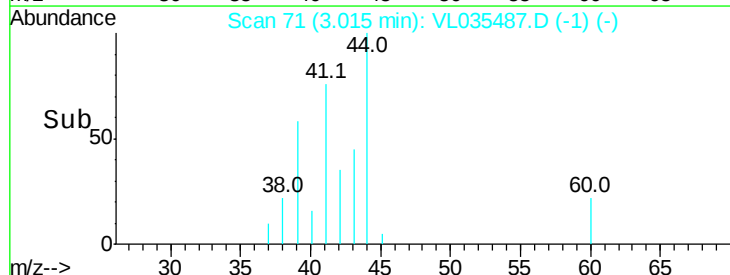
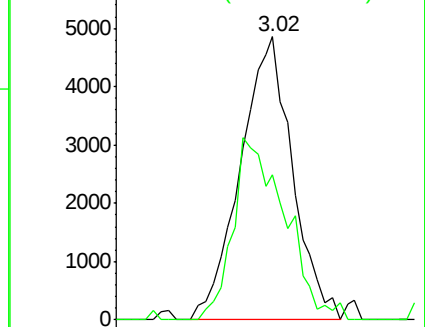
41 100

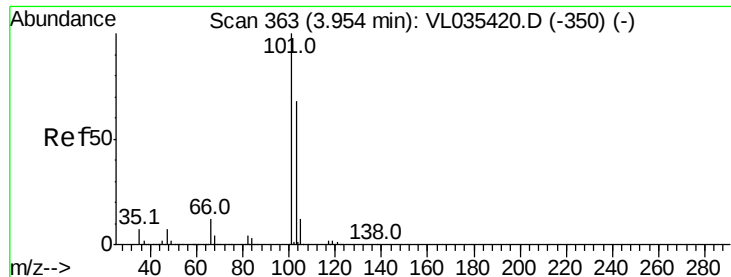
42 64.3 55.5 83.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

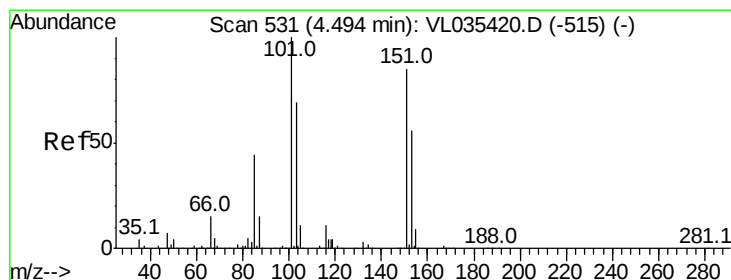
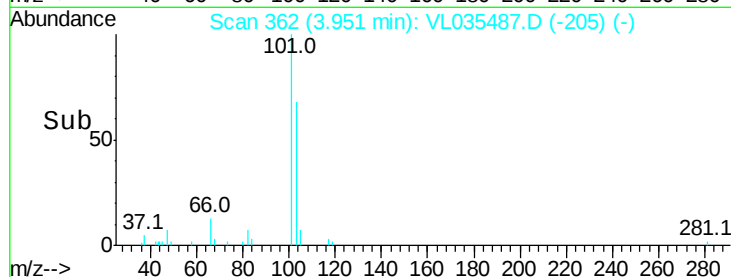
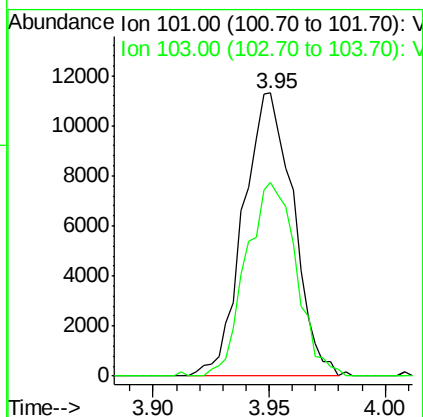
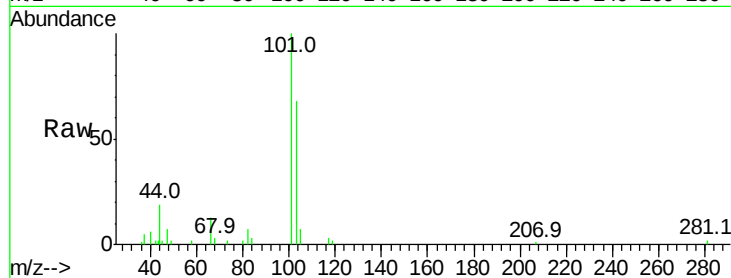




#11
 Trichlorofluoromethane
 Concen: 0.056 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

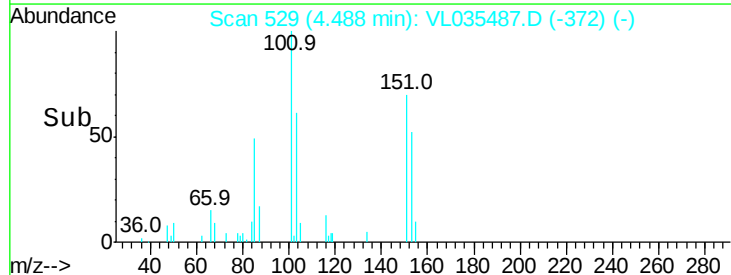
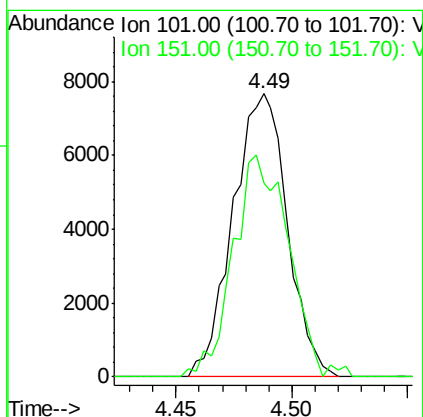
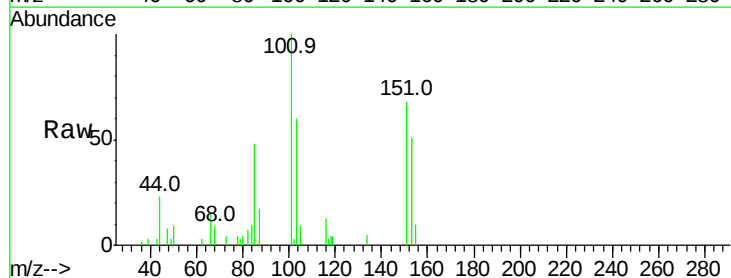
Instrument :
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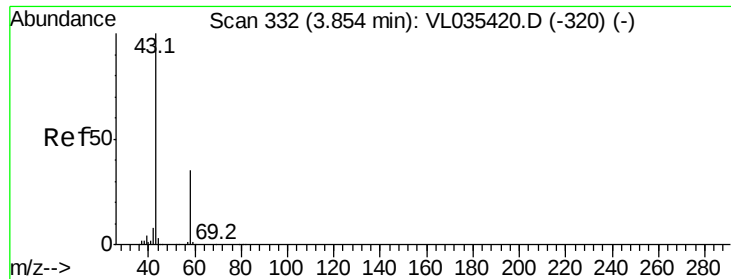
Tgt Ion:101 Resp: 16911
 Ion Ratio Lower Upper
 101 100
 103 68.4 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.056 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

Tgt Ion:101 Resp: 12486
 Ion Ratio Lower Upper
 101 100
 151 80.3 53.6 80.4





#15

Acetone

Concen: 0.548 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

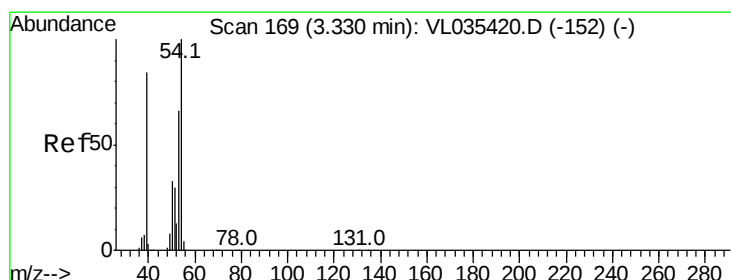
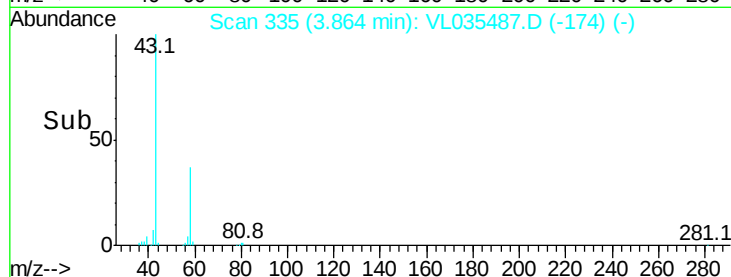
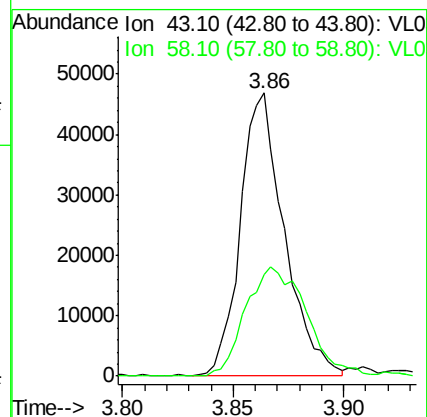
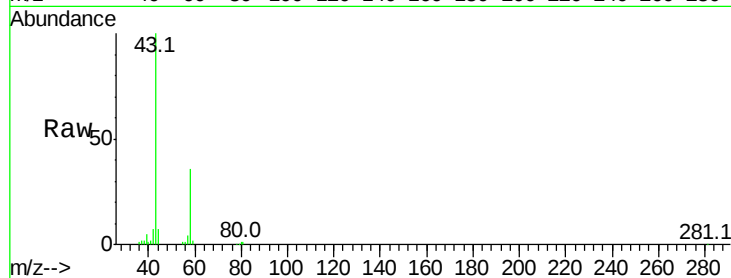
VIBLK

Tgt Ion: 43 Resp: 65043

Ion Ratio Lower Upper

43 100

58 55.0 21.0 31.6#



#16

1,3-Butadiene

Concen: 0.041 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035487.D

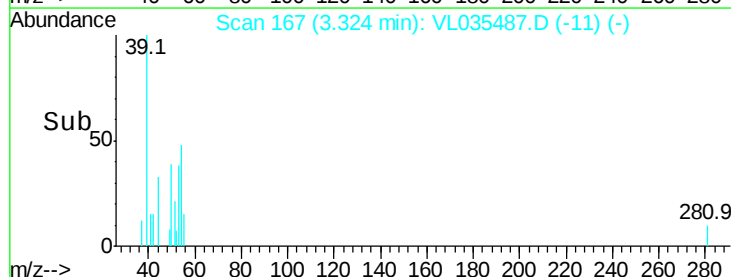
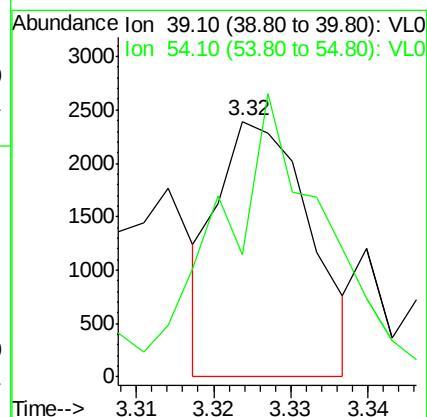
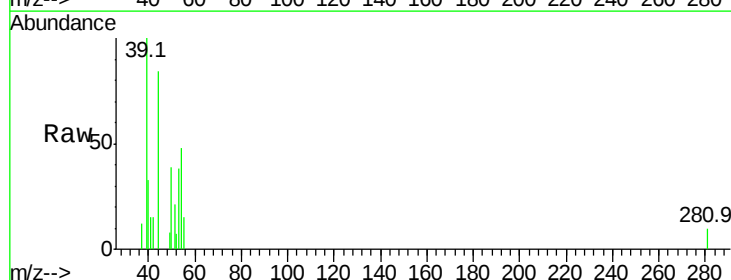
Acq: 21 Aug 2020 6:47

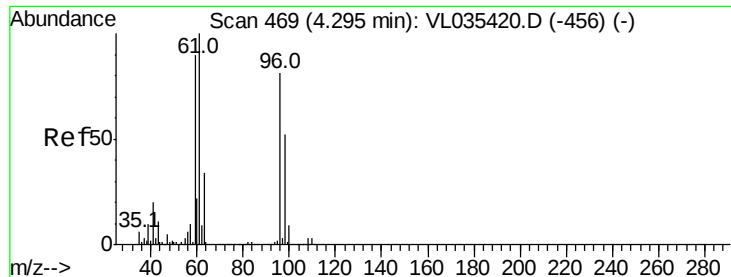
Tgt Ion: 39 Resp: 1975

Ion Ratio Lower Upper

39 100

54 135.7 64.4 96.6#

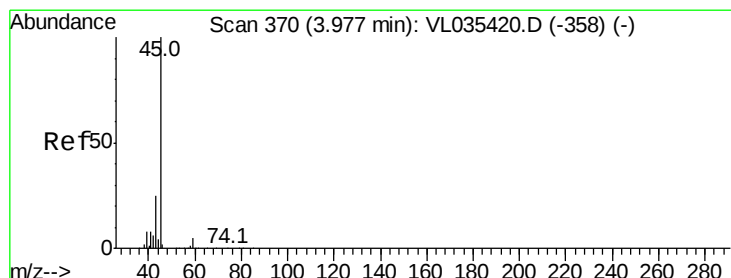
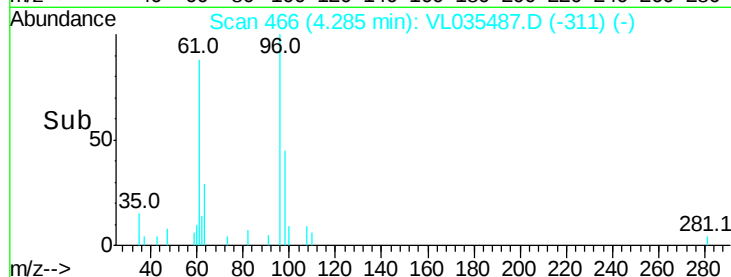
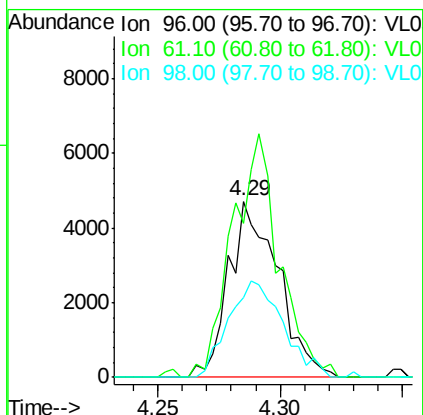
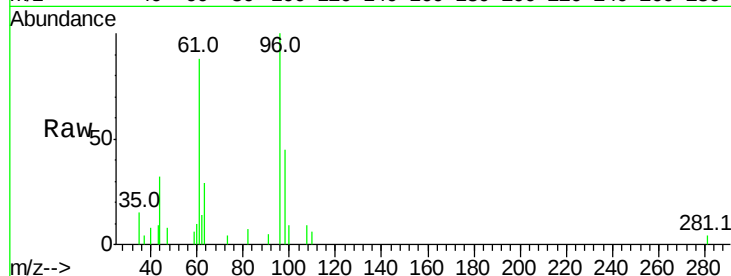




#18
 1,1-Dichloroethene
 Concen: 0.067 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

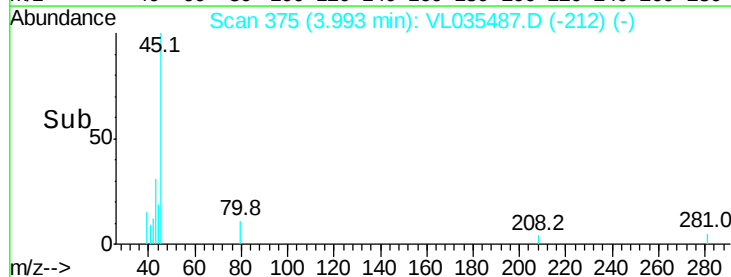
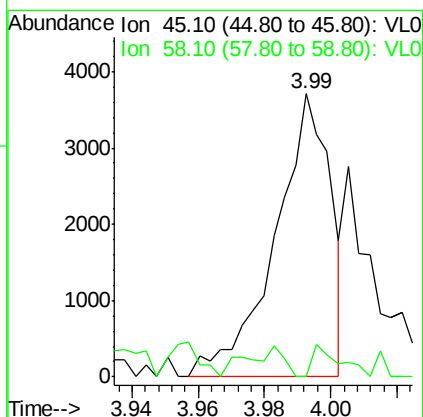
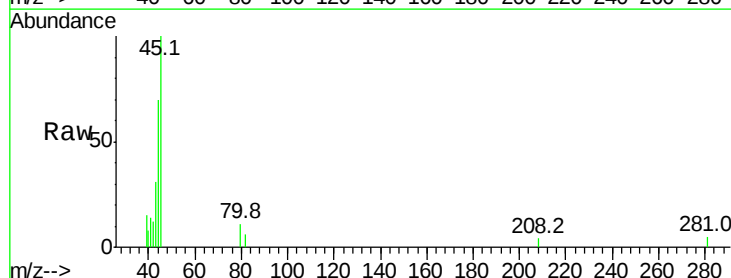
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

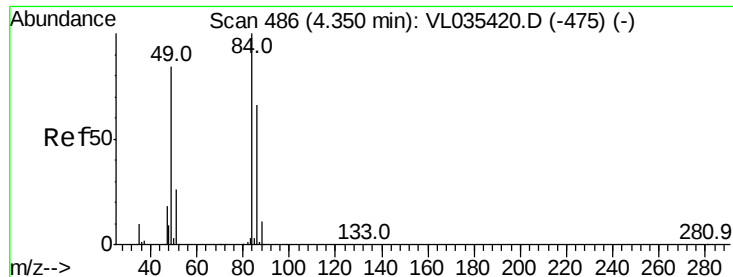
Tgt Ion: 96 Resp: 6625
 Ion Ratio Lower Upper
 96 100
 61 87.6 161.8 242.6#
 98 45.0 49.3 73.9#



#19
 Isopropyl Alcohol
 Concen: 0.053 ppbv
 RT: 3.99 min Scan# 375
 Delta R.T. 0.02 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

Tgt Ion: 45 Resp: 4324
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.0 1.6#





#20

Methylene Chloride

Concen: 2.278 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 218016

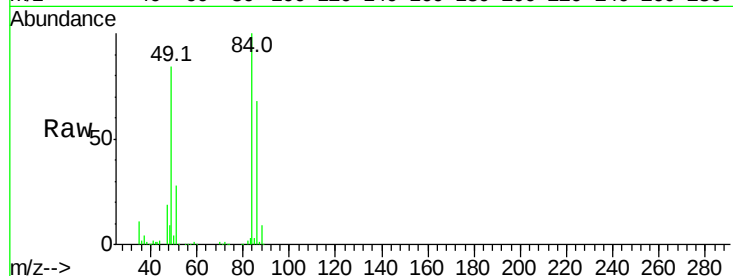
Ion Ratio Lower Upper

84 100

49 84.1 118.6 177.8#

51 27.5 36.4 54.6#

86 68.2 50.2 75.4



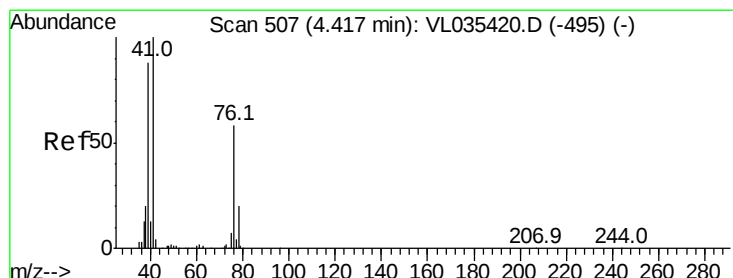
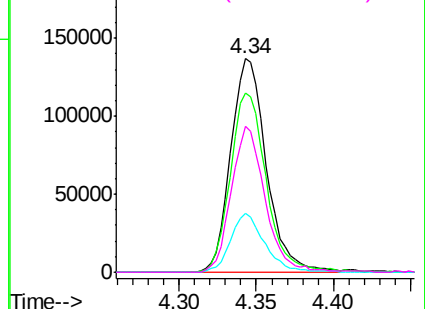
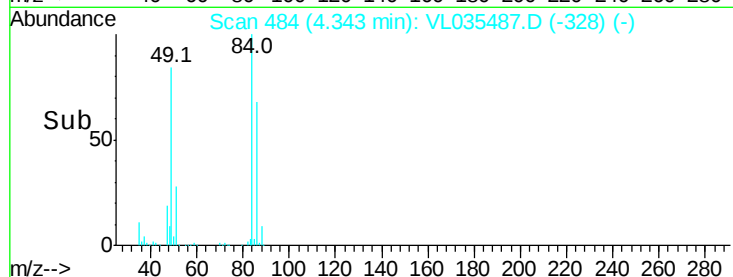
Abundance

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: 0.053 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

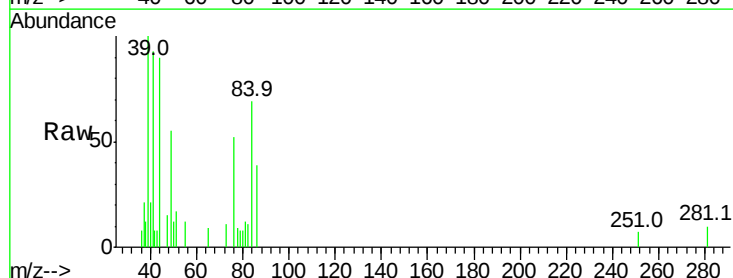
Tgt Ion: 41 Resp: 3186

Ion Ratio Lower Upper

41 100

76 58.0 22.8 34.2#

39 117.4 66.2 99.2#

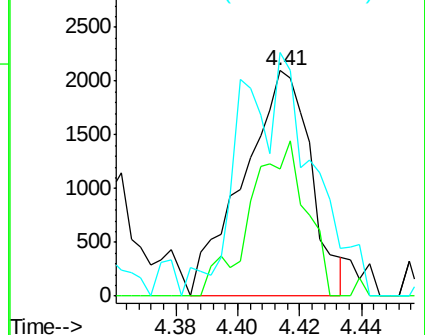
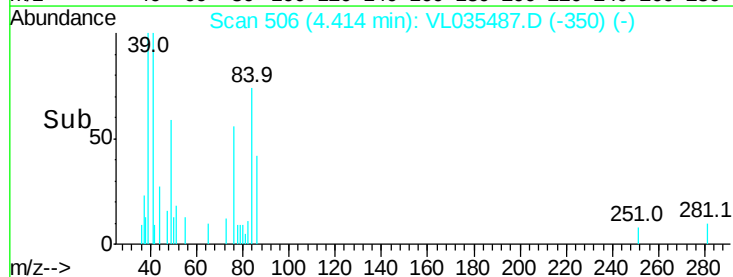


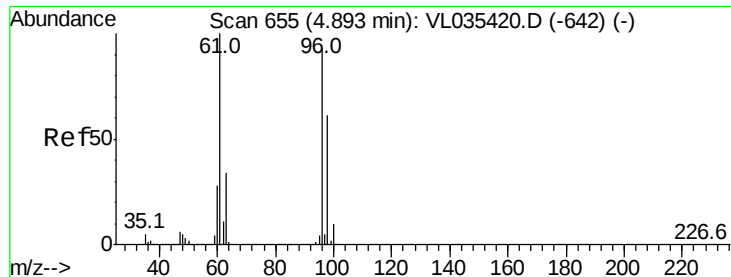
Abundance

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





#22

trans-1,2-Dichloroethene

Concen: 0.055 ppbv

RT: 4.88 min Scan# 652

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

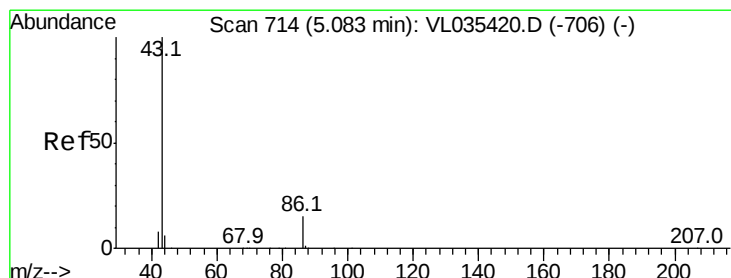
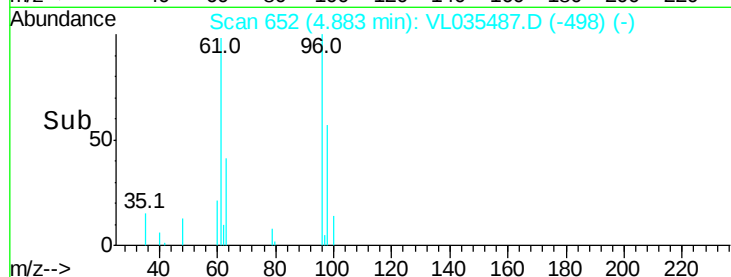
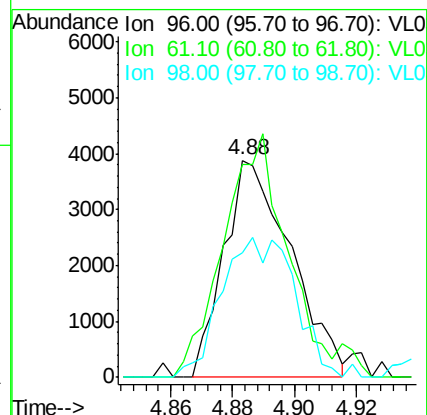
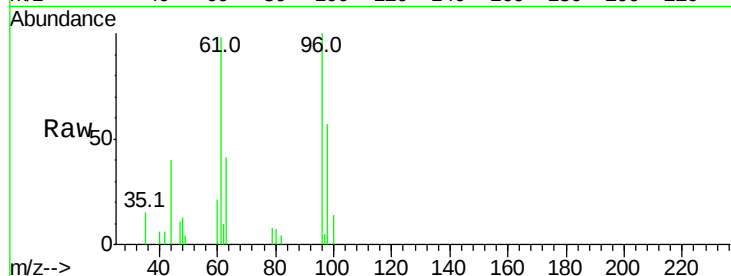
Tgt Ion: 96 Resp: 5832

Ion Ratio Lower Upper

96 100

61 82.4 142.2 213.2#

98 57.2 51.8 77.8



#23

Vinyl Acetate

Concen: 0.067 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Tgt Ion: 43 Resp: 11365

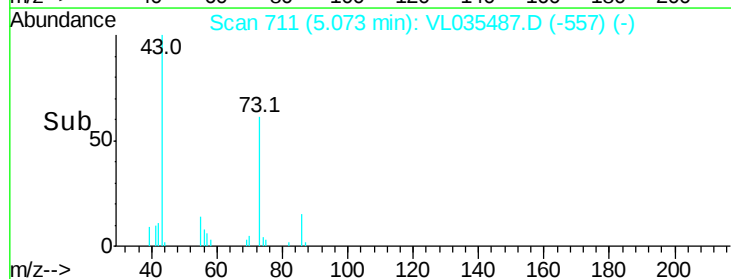
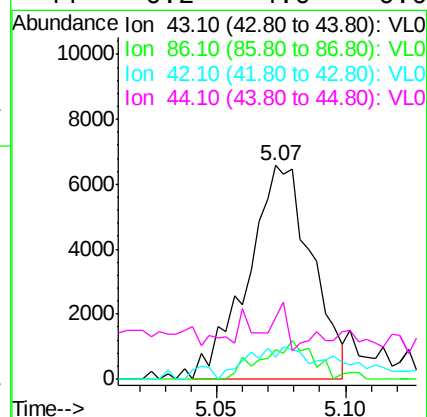
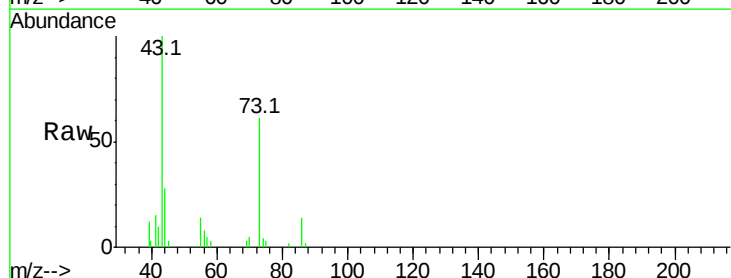
Ion Ratio Lower Upper

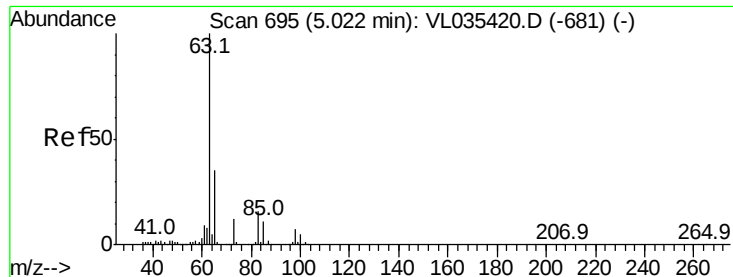
43 100

86 14.0 6.5 9.7#

42 6.3 8.3 12.5#

44 6.2 4.0 6.0#





#24

1,1-Dichloroethane

Concen: 0.056 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

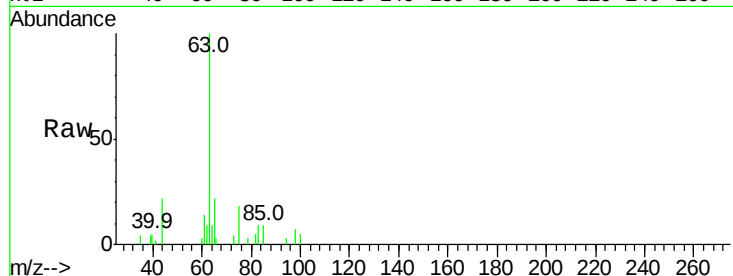
Tgt Ion: 63 Resp: 9402

Ion Ratio Lower Upper

63 100

98 6.6 2.1 6.5#

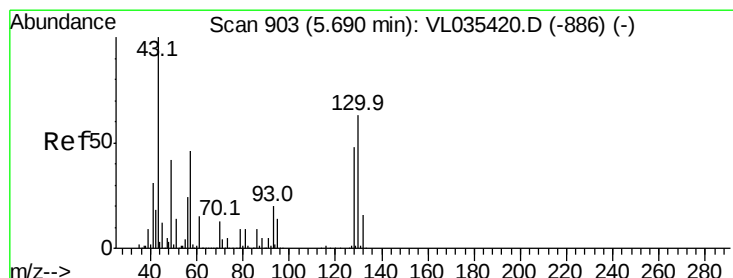
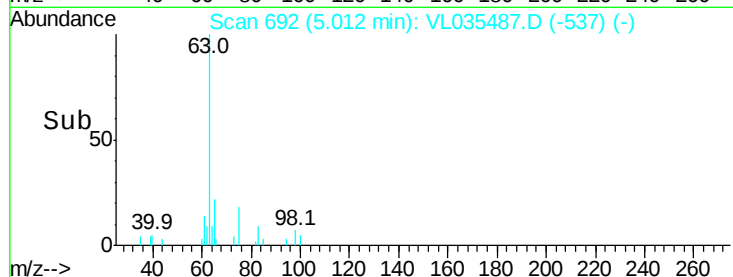
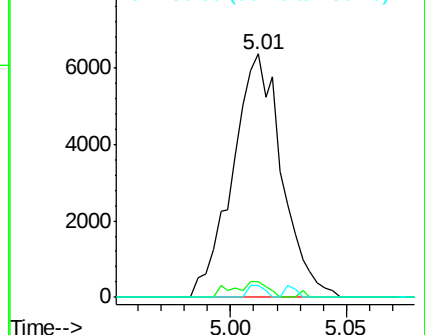
100 4.9 1.3 3.8#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.228 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Tgt Ion: 43 Resp: 52694

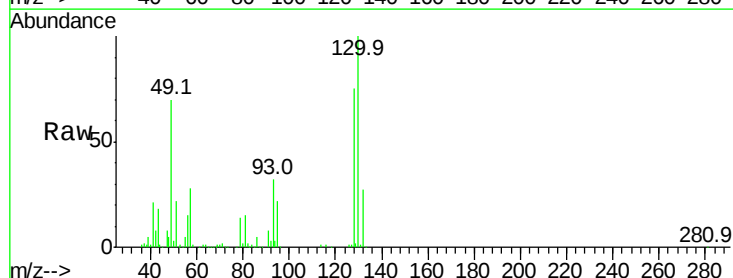
Ion Ratio Lower Upper

43 100

45 2.8 8.3 12.5#

61 2.9 7.6 11.4#

70 4.4 6.0 9.0#

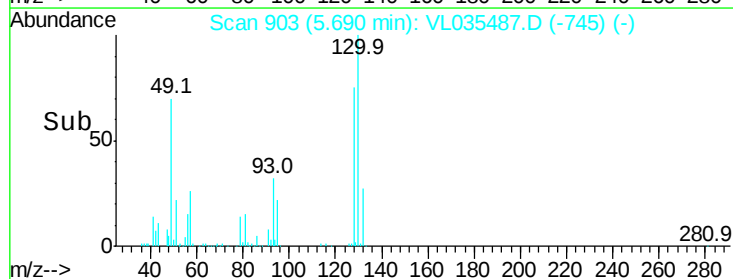
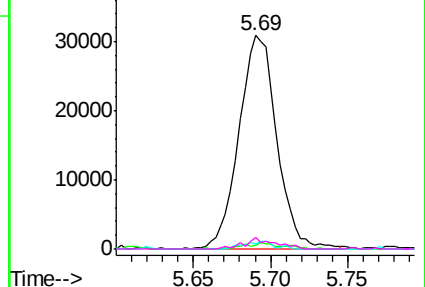


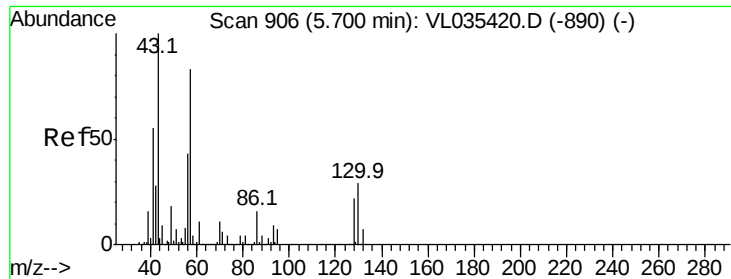
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

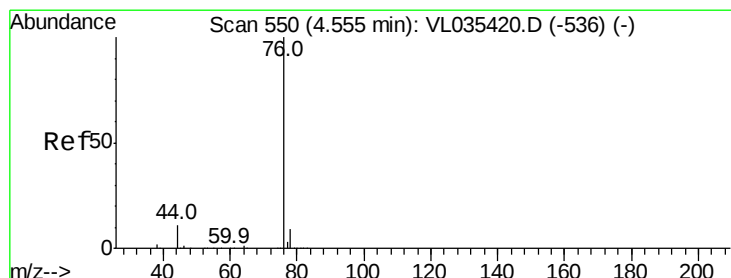
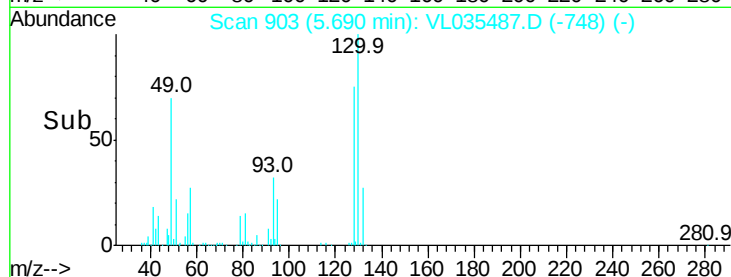
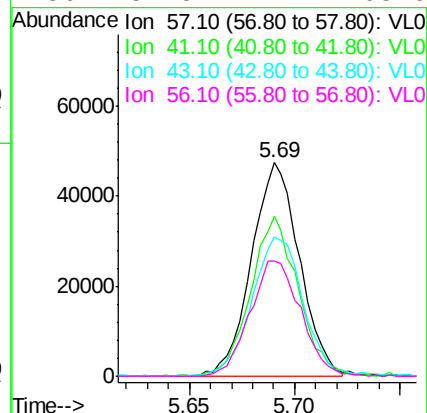
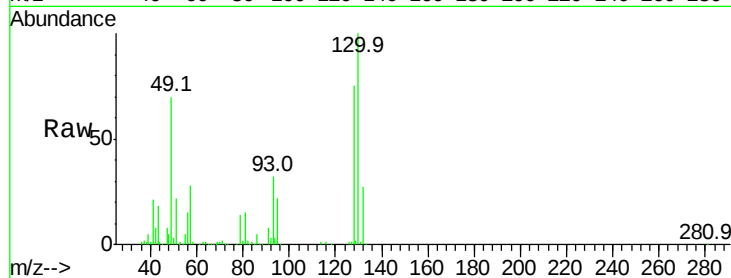




#26
Hexane
Concen: 0.576 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

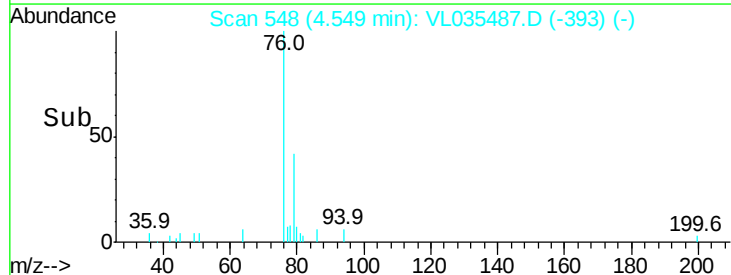
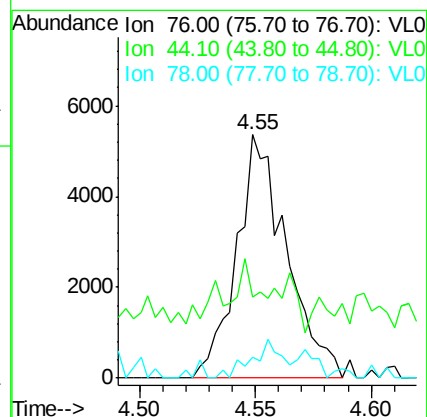
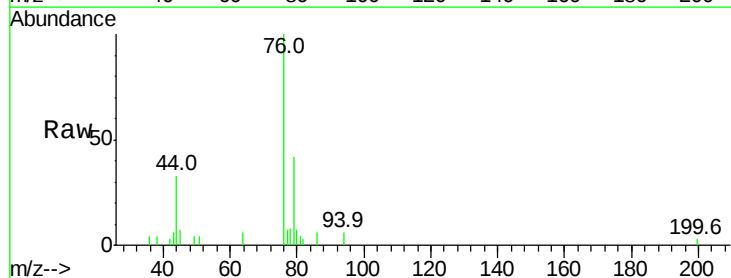
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

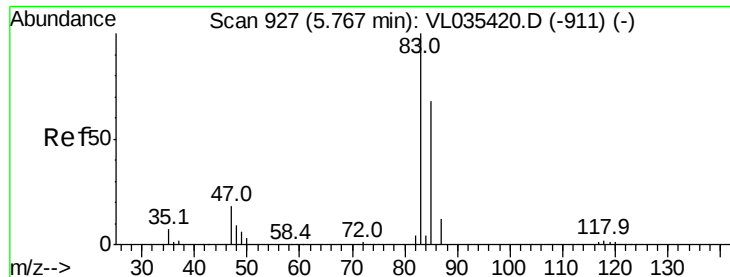
Tgt Ion: 57 Resp: 75058
Ion Ratio Lower Upper
57 100
41 74.7 75.5 113.3#
43 70.5 181.7 272.5#
56 57.3 42.4 63.6



#27
Carbon Disulfide
Concen: 0.042 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

Tgt Ion: 76 Resp: 7982
Ion Ratio Lower Upper
76 100
44 44.1 16.8 25.2#
78 15.3 7.3 10.9#

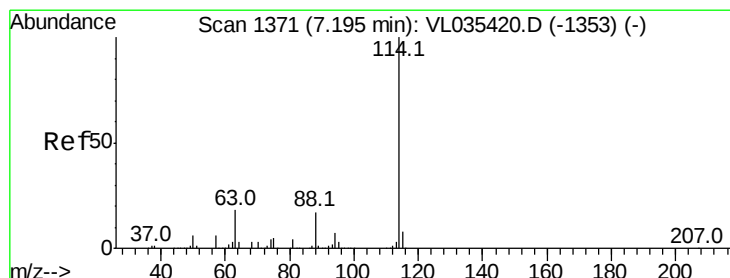
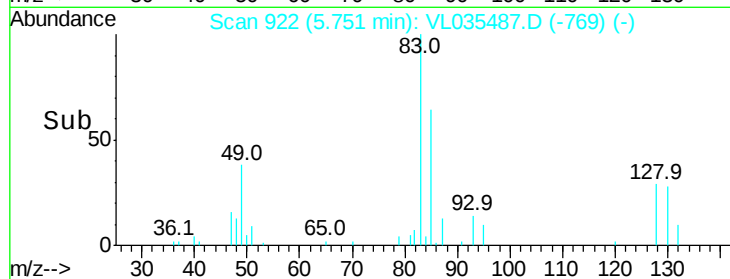
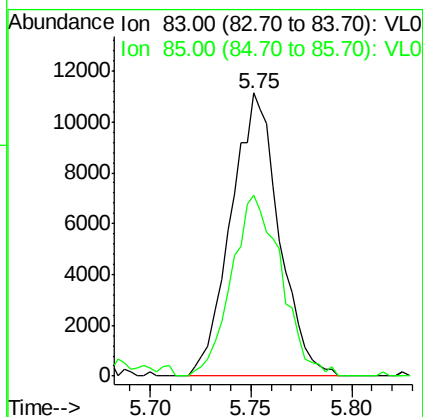
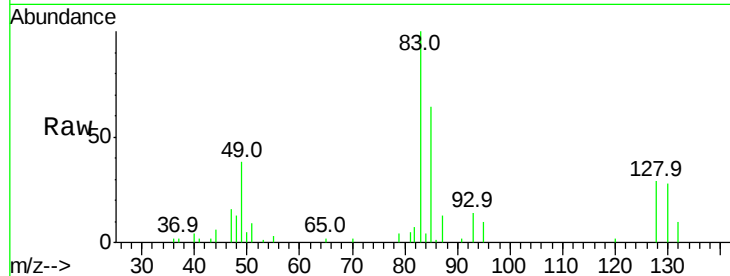




#29
 Chloroform
 Concen: 0.071 ppbv
 RT: 5.75 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

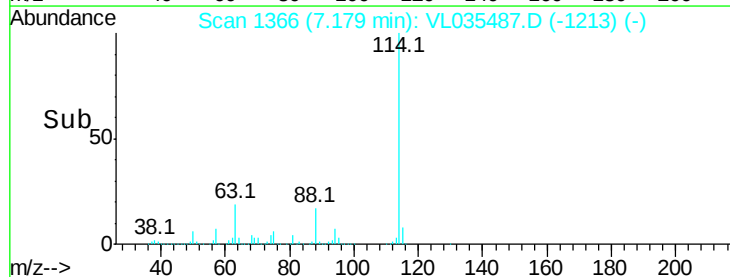
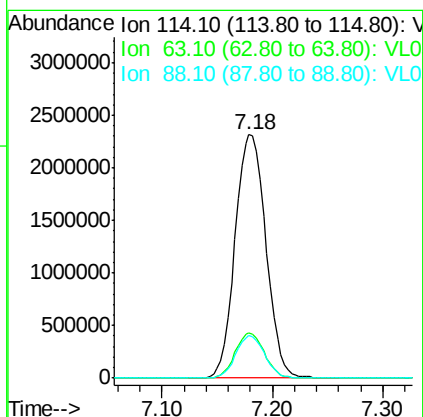
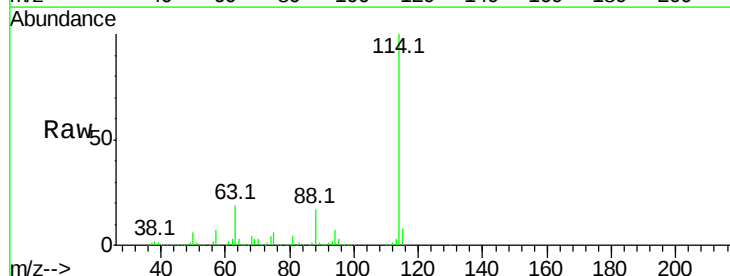
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

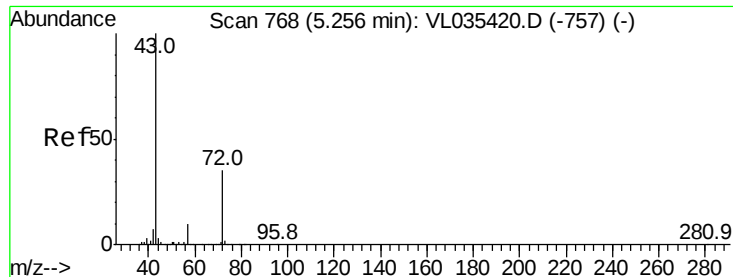
Tgt Ion: 83 Resp: 18623
 Ion Ratio Lower Upper
 83 100
 85 63.8 52.7 79.1



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035487.D
 Acq: 21 Aug 2020 6:47

Tgt Ion: 114 Resp: 4482527
 Ion Ratio Lower Upper
 114 100
 63 17.6 23.1 34.7#
 88 16.3 15.9 23.9





#34

2-Butanone

Concen: 0.094 ppbv

RT: 5.26 min Scan# 770

Delta R.T. 0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

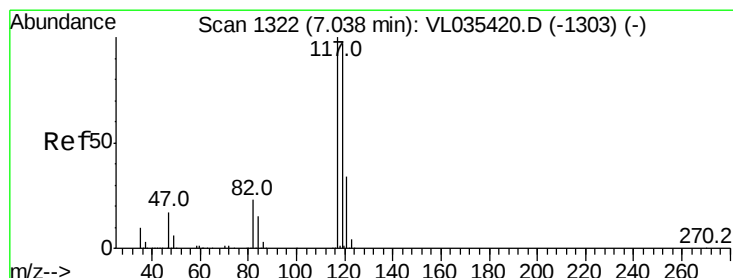
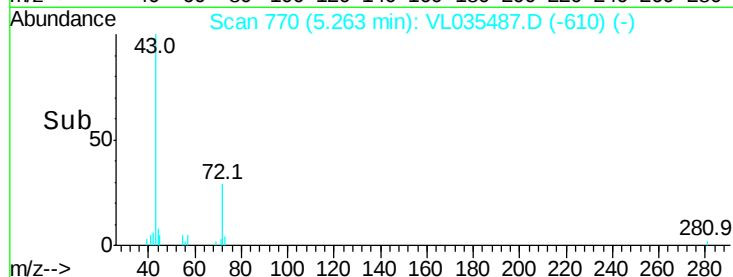
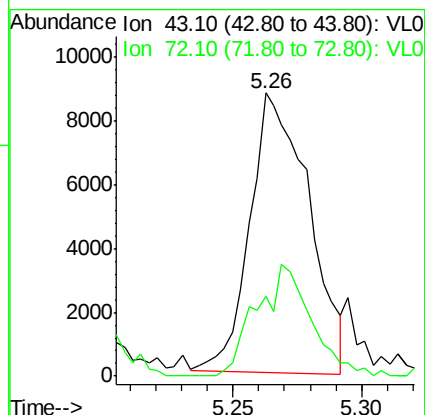
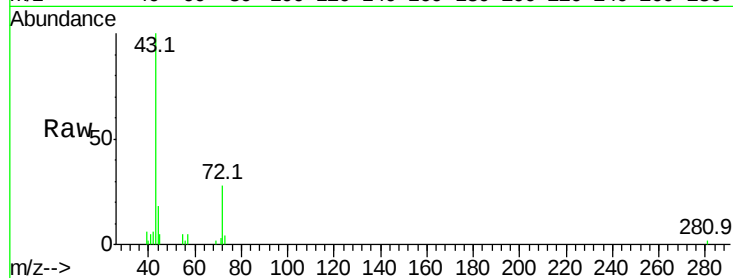
VIBLK

Tgt Ion: 43 Resp: 14019

Ion Ratio Lower Upper

43 100

72 37.2 17.6 26.4#



#35

Carbon Tetrachloride

Concen: 0.047 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

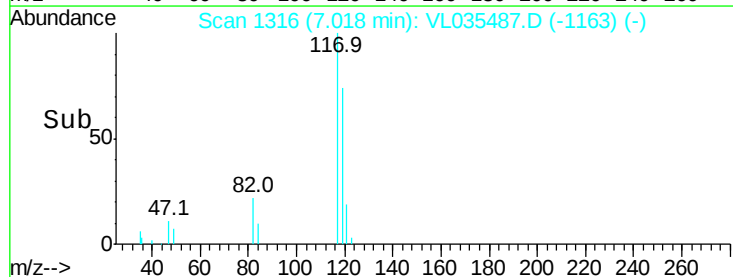
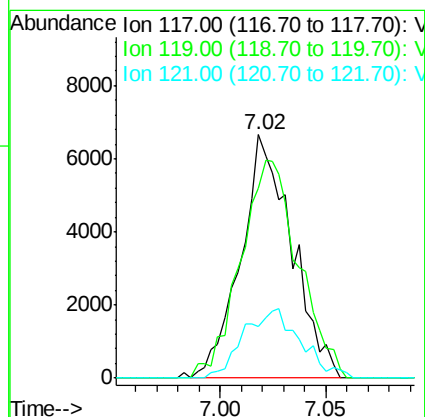
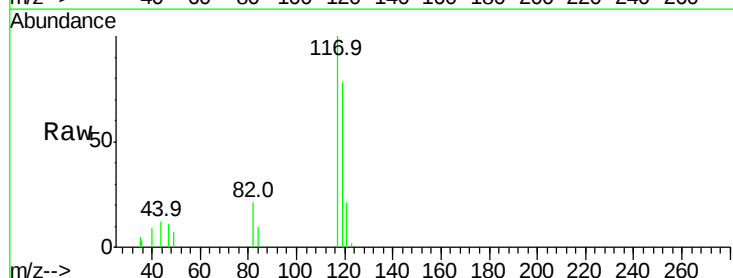
Tgt Ion: 117 Resp: 11199

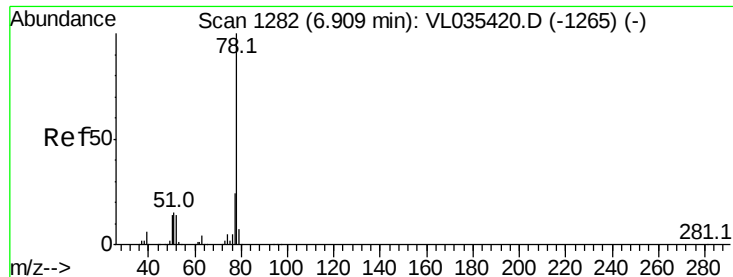
Ion Ratio Lower Upper

117 100

119 78.0 76.1 114.1

121 21.0 25.5 38.3#





#36

Benzene

Concen: 0.051 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

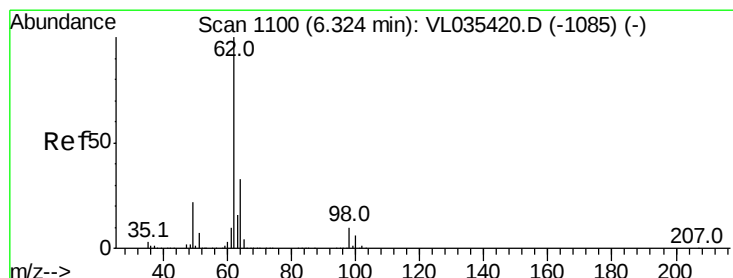
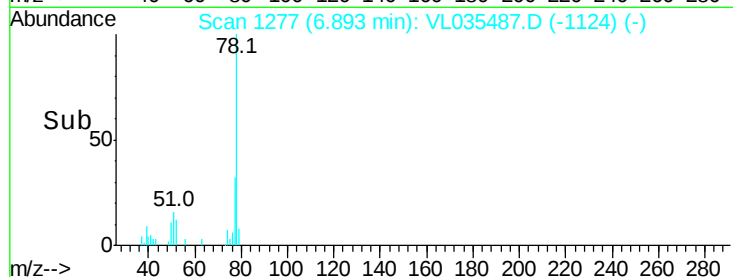
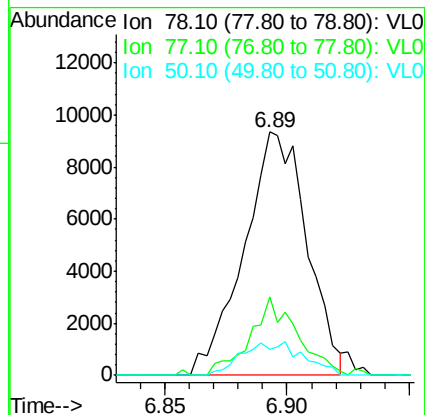
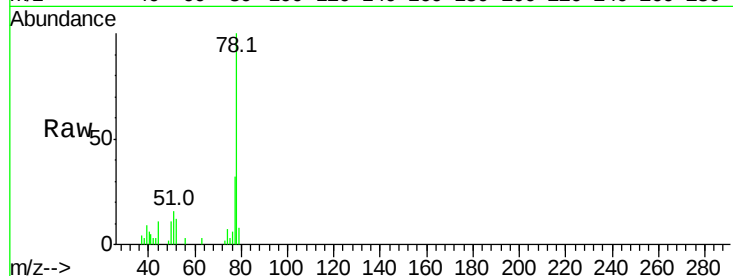
Tgt Ion: 78 Resp: 16687

Ion Ratio Lower Upper

78 100

77 32.2 19.6 29.4#

50 10.9 16.3 24.5#



#37

1,2-Dichloroethane

Concen: 0.054 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VL035487.D

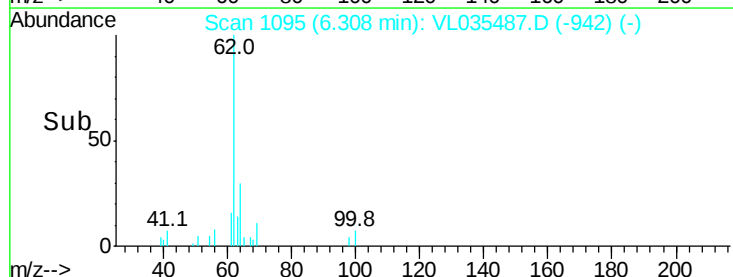
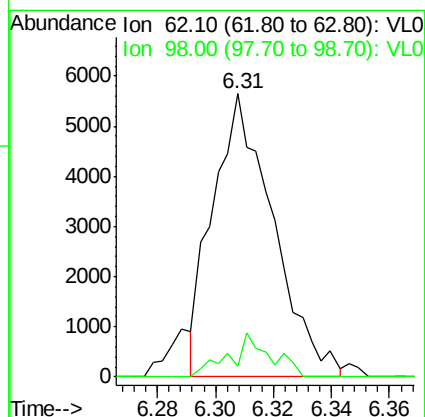
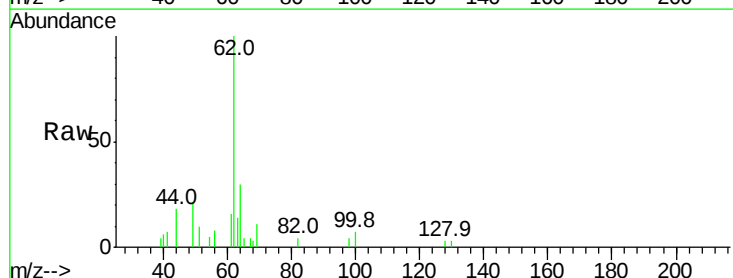
Acq: 21 Aug 2020 6:47

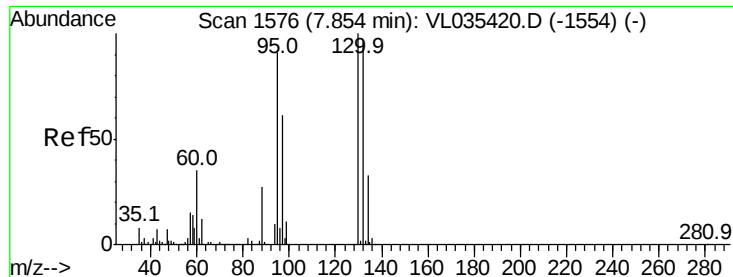
Tgt Ion: 62 Resp: 8125

Ion Ratio Lower Upper

62 100

98 10.4 4.6 7.0#





#38

Trichloroethene

Concen: 0.077 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion:130 Resp: 14019

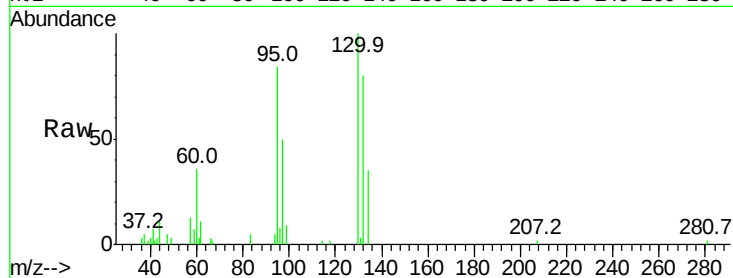
Ion Ratio Lower Upper

130 100

95 79.0 95.8 143.8#

132 78.6 74.3 111.5

97 47.3 62.6 94.0#

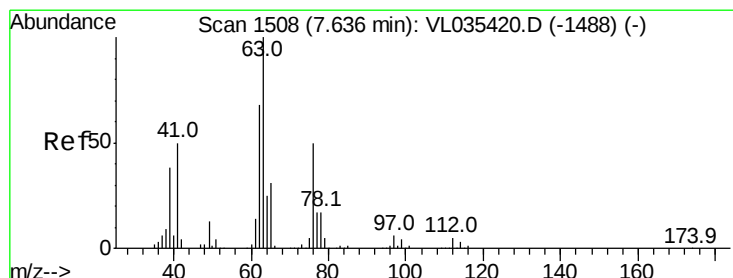
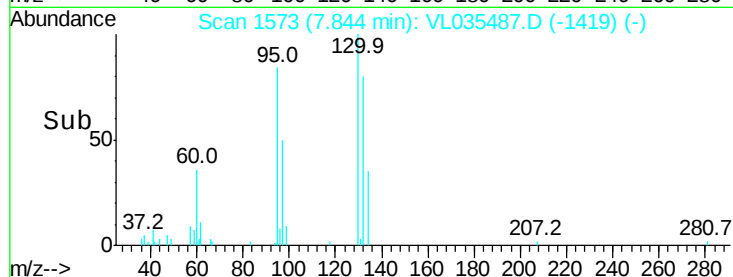
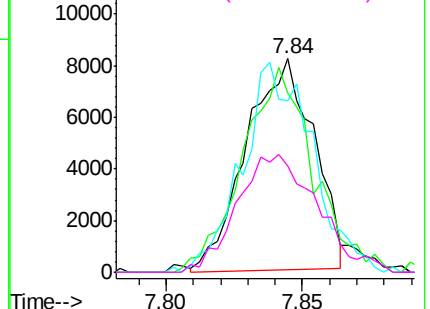


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.265 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.45 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

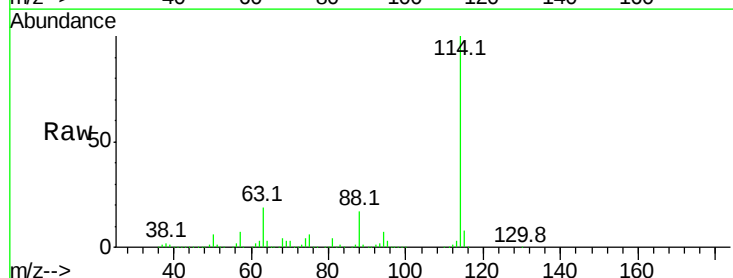
Tgt Ion: 63 Resp: 787693

Ion Ratio Lower Upper

63 100

41 0.1 61.1 91.7#

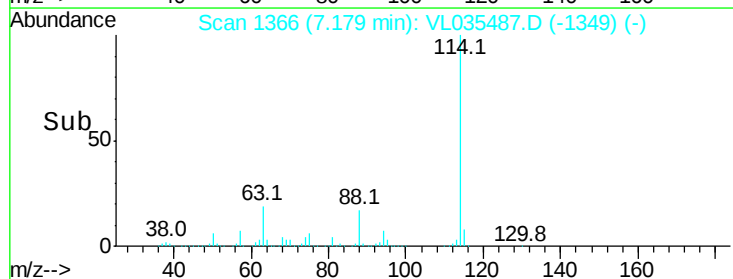
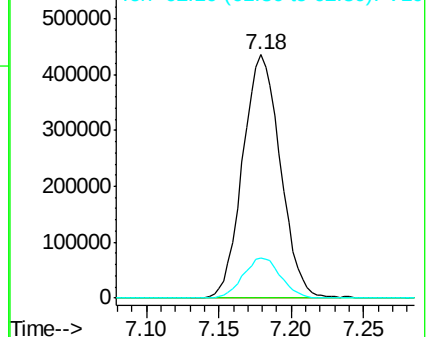
62 16.6 55.3 82.9#

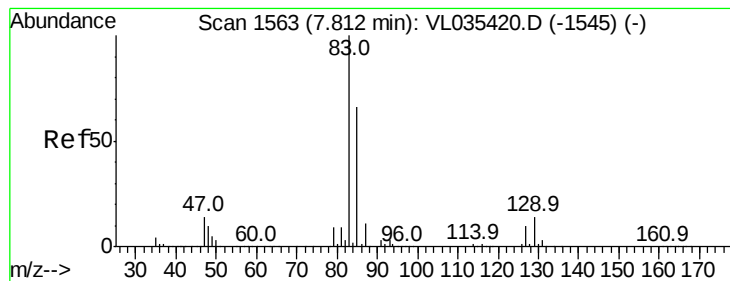


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.054 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampled :

VIBLK

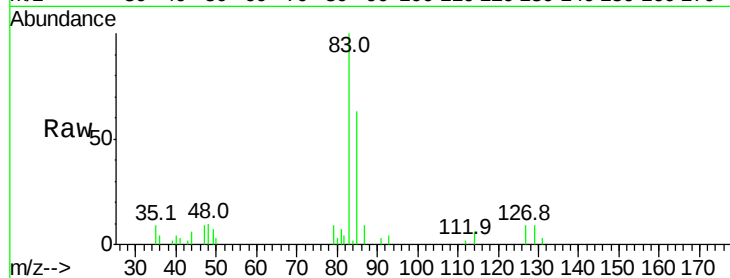
Tgt Ion: 83 Resp: 13585

Ion Ratio Lower Upper

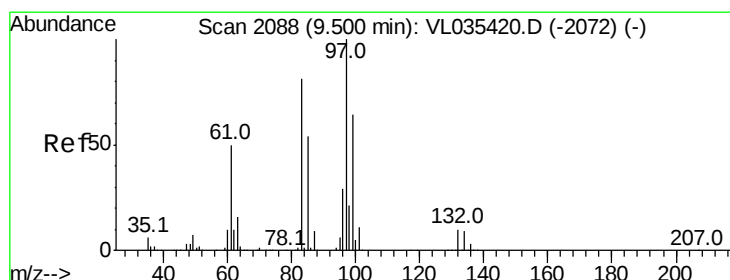
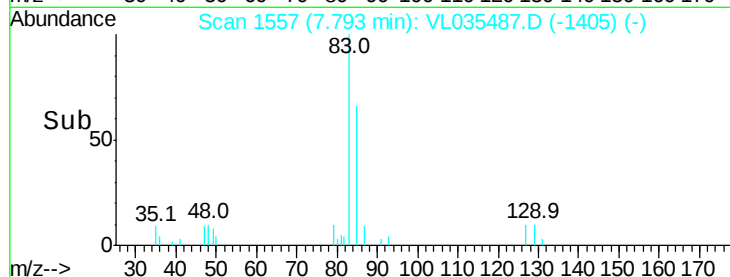
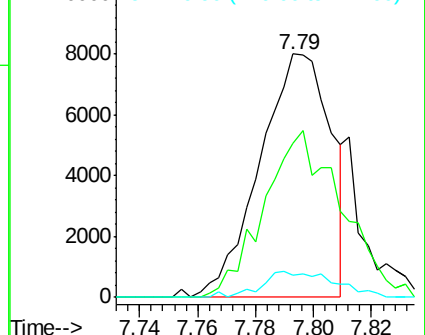
83 100

85 63.3 54.8 82.2

127 9.3 6.1 9.1#



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): VL0



#47

1,1,2-Trichloroethane

Concen: 0.035 ppbv

RT: 9.48 min Scan# 2081

Delta R.T. -0.02 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Tgt Ion: 97 Resp: 5648

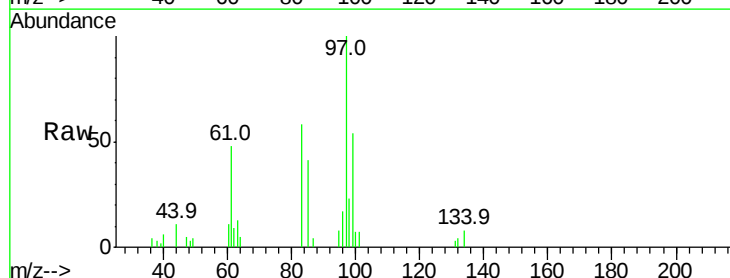
Ion Ratio Lower Upper

97 100

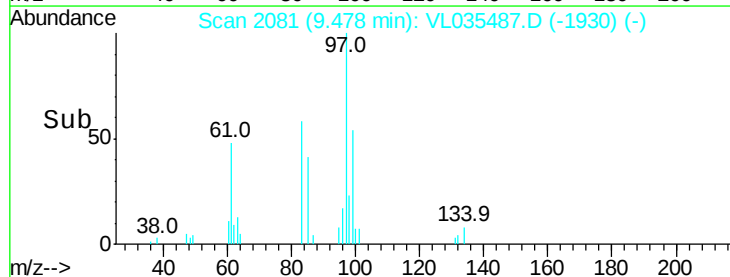
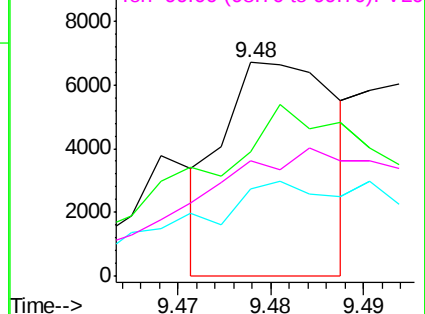
83 14.4 72.1 108.1#

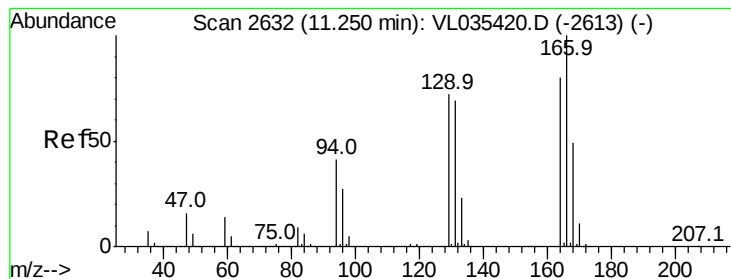
85 23.4 46.8 70.2#

99 40.0 48.6 73.0#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 99.00 (98.70 to 99.70): VL0





#52

Tetrachloroethene

Concen: 0.052 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion:164 Resp: 10445

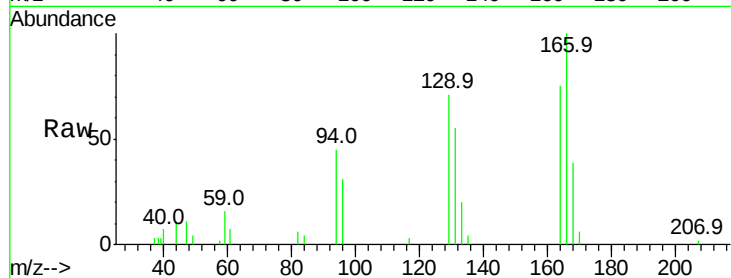
Ion Ratio Lower Upper

164 100

166 132.6 103.4 155.0

129 94.8 90.2 135.4

131 73.5 91.7 137.5#

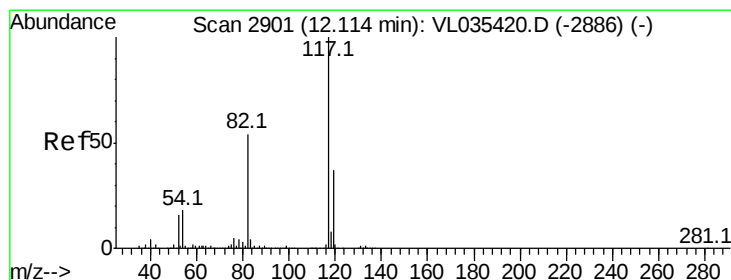
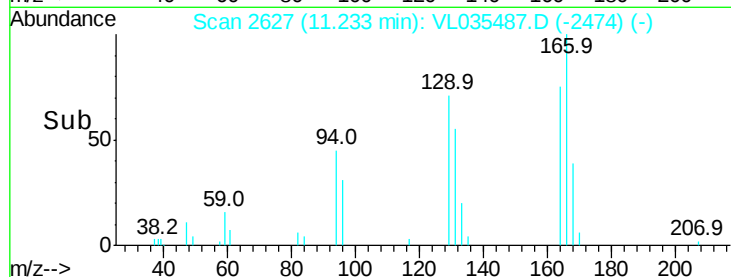
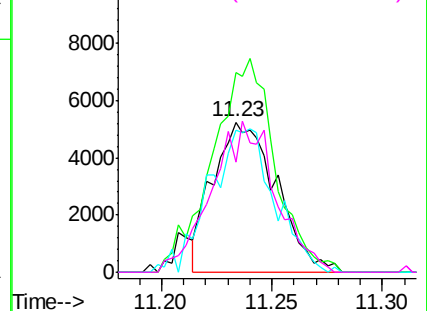


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

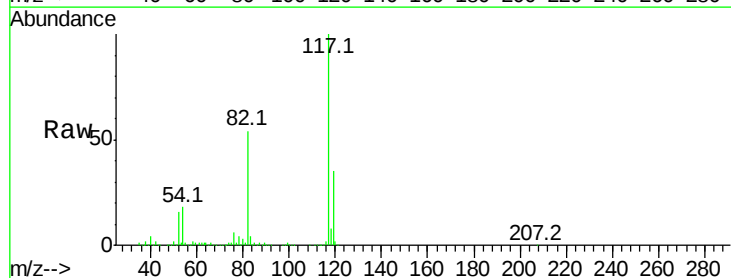
Tgt Ion:117 Resp: 4454938

Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

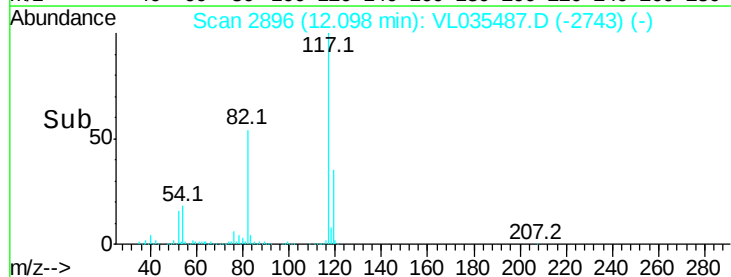
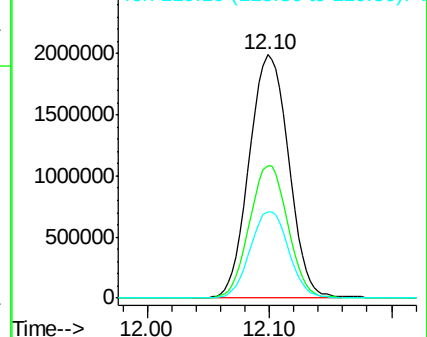
119 34.9 28.4 42.6

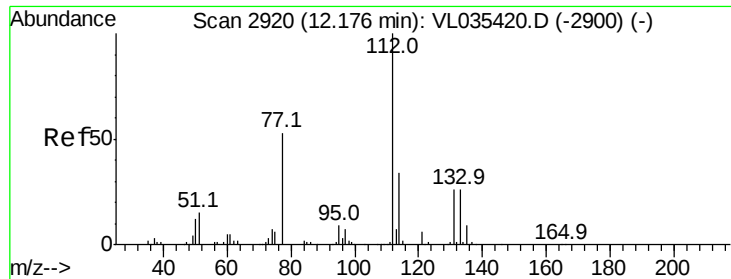


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

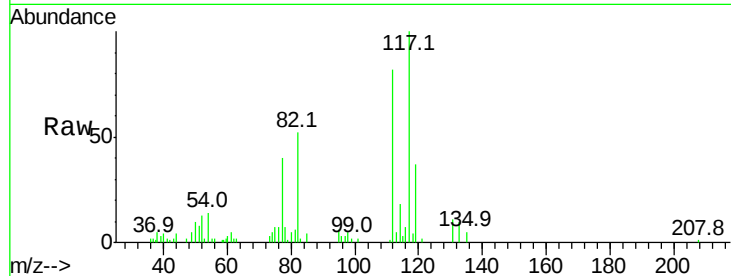




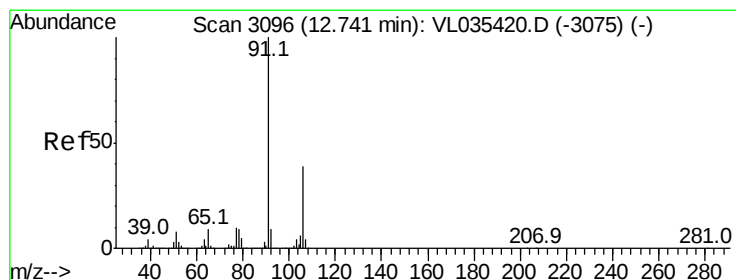
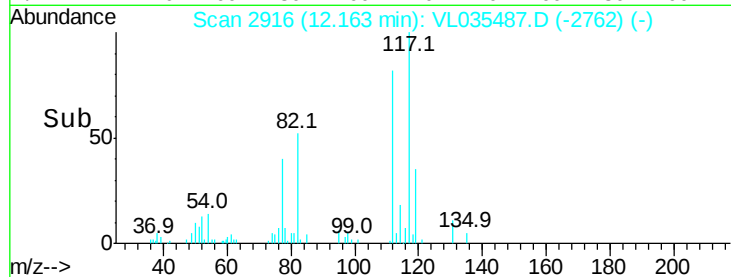
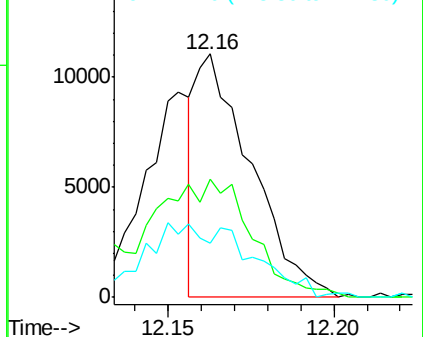
#57
Chlorobenzene
Concen: 0.034 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 112 Resp: 12654
Ion Ratio Lower Upper
112 100
77 46.9 60.6 91.0#
114 20.7 28.5 34.9#

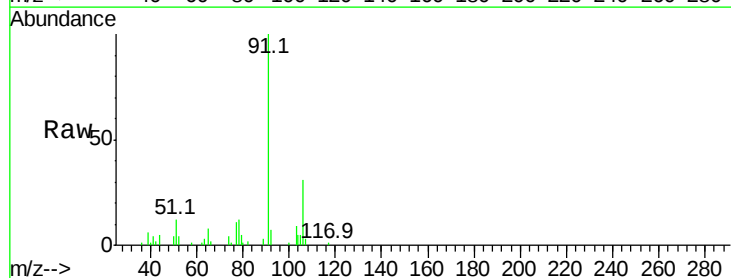


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

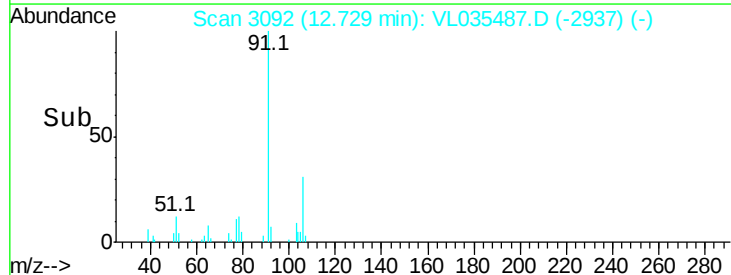
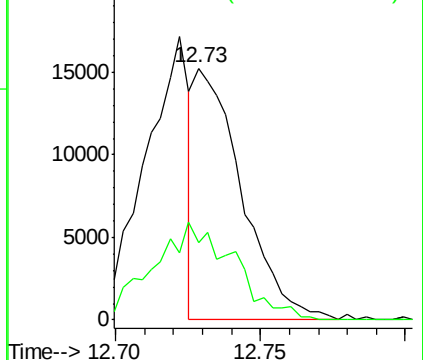


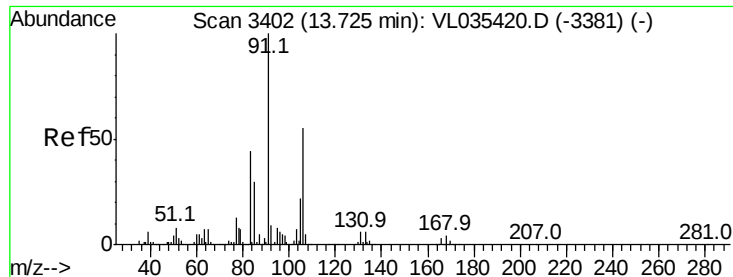
#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.00 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

Tgt Ion: 91 Resp: 17127
Ion Ratio Lower Upper
91 100
106 30.9 24.1 36.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

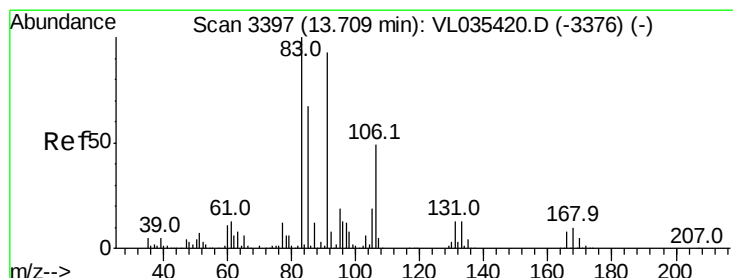
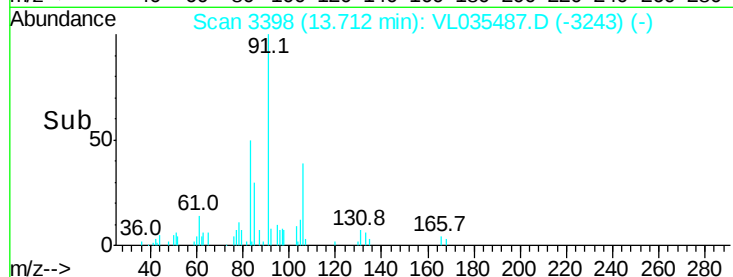
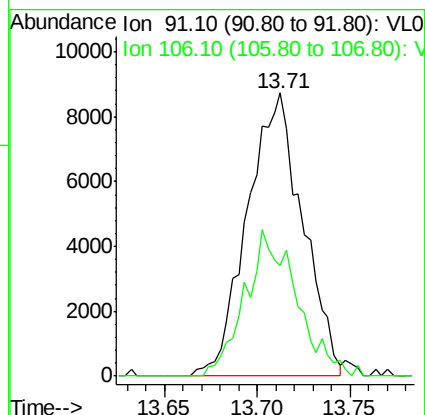
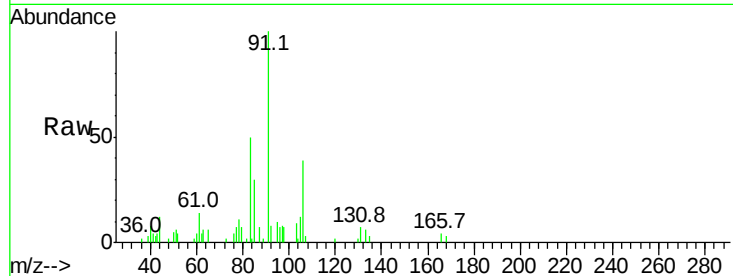




#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

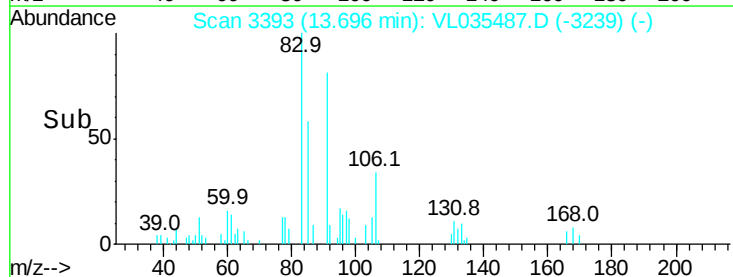
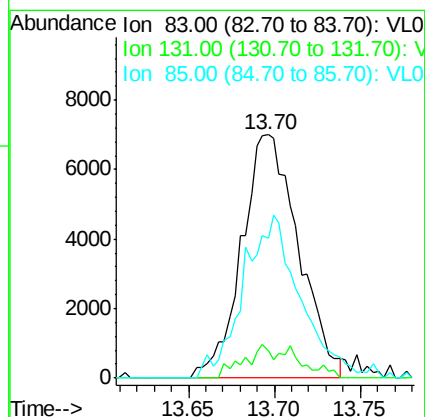
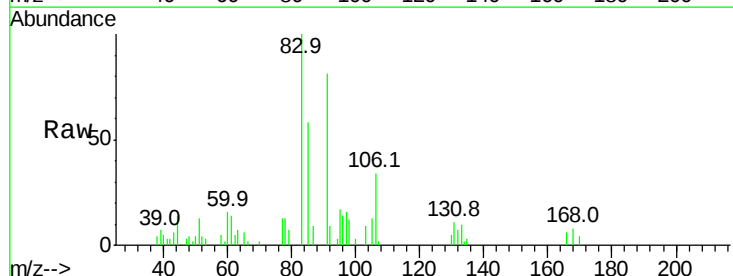
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

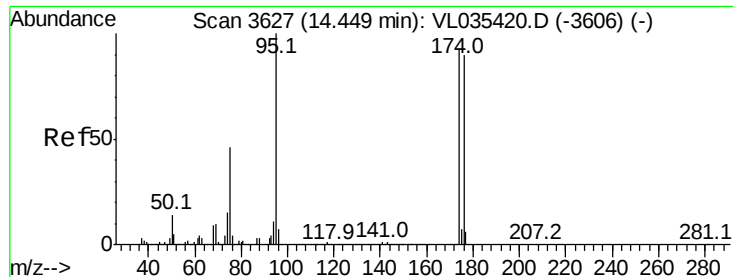
Tgt Ion: 91 Resp: 18149
Ion Ratio Lower Upper
91 100
106 47.9 21.8 65.3



#63
1,1,2,2-Tetrachloroethane
Concen: 0.051 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035487.D
Acq: 21 Aug 2020 6:47

Tgt Ion: 83 Resp: 16088
Ion Ratio Lower Upper
83 100
131 12.6 4.5 13.4
85 68.1 32.7 98.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.087 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

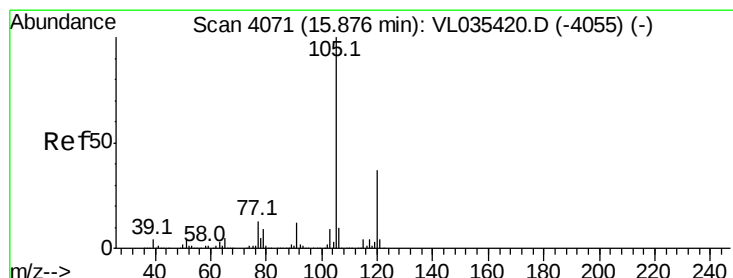
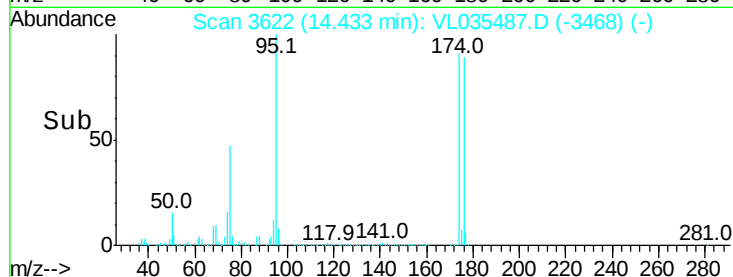
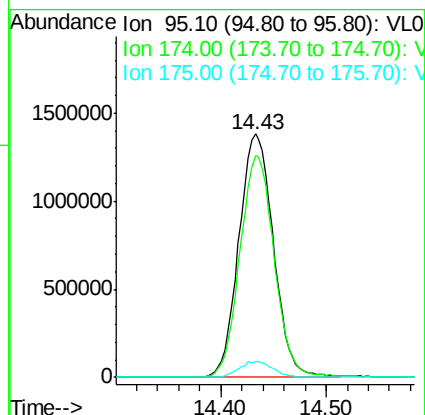
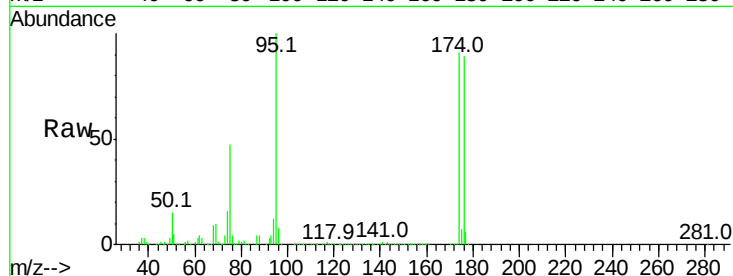
Tgt Ion: 95 Resp: 3145947

Ion Ratio Lower Upper

95 100

174 91.3 44.0 66.0#

175 6.5 3.2 4.8#



#72

4-Ethyltoluene

Concen: 0.034 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Tgt Ion: 105 Resp: 19553

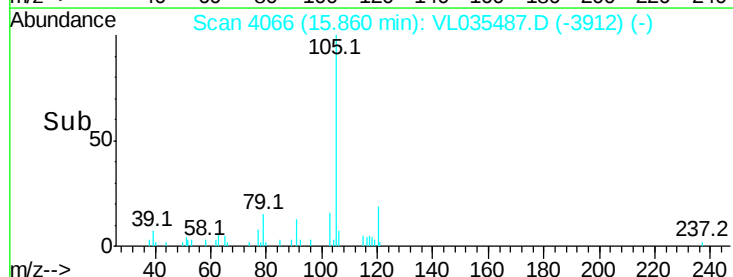
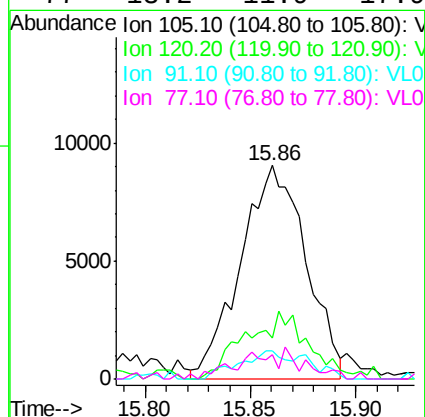
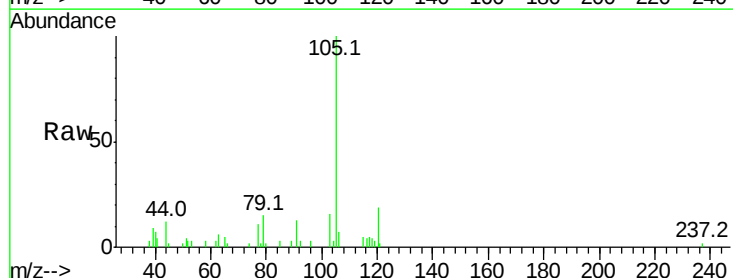
Ion Ratio Lower Upper

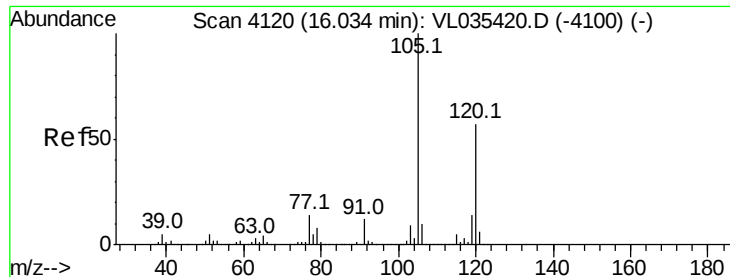
105 100

120 32.6 22.7 34.1

91 13.5 10.8 16.2

77 13.2 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 0.034 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

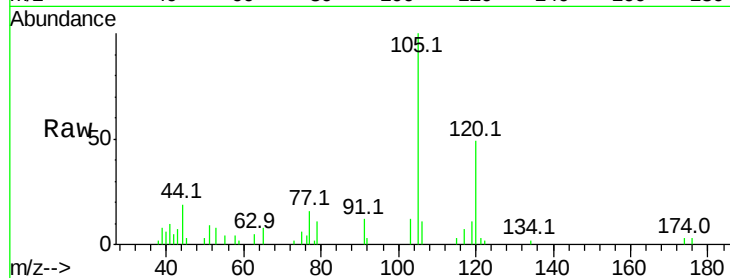
VIBLK

Tgt Ion:105 Resp: 18289

Ion Ratio Lower Upper

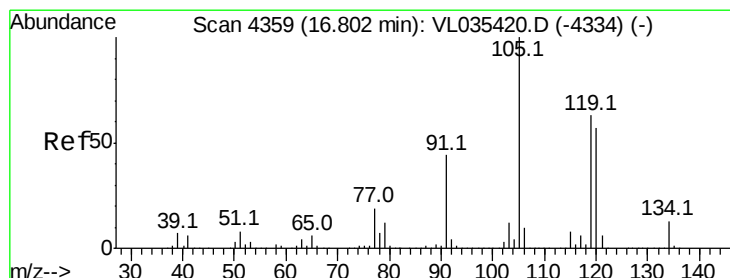
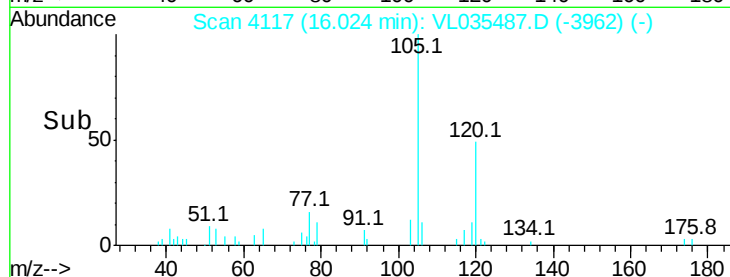
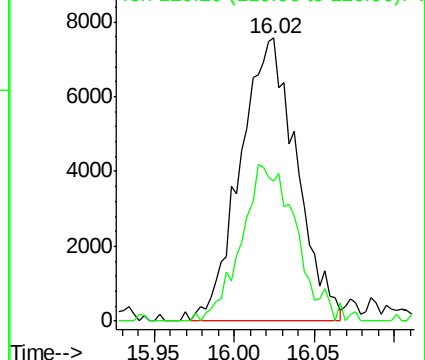
105 100

120 49.4 35.6 53.4



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: 0.038 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Tgt Ion:105 Resp: 22080

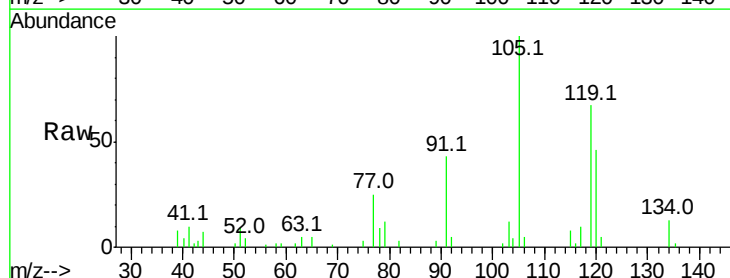
Ion Ratio Lower Upper

105 100

120 40.4 37.8 56.8

91 39.7 40.0 60.0#

77 26.5 18.8 28.2

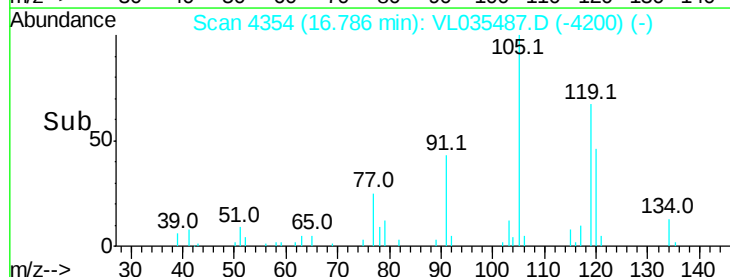
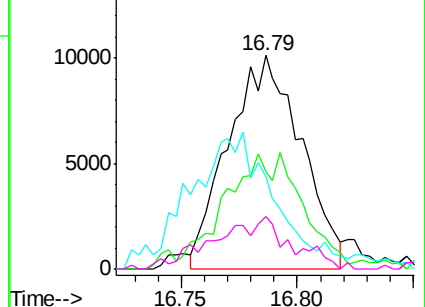


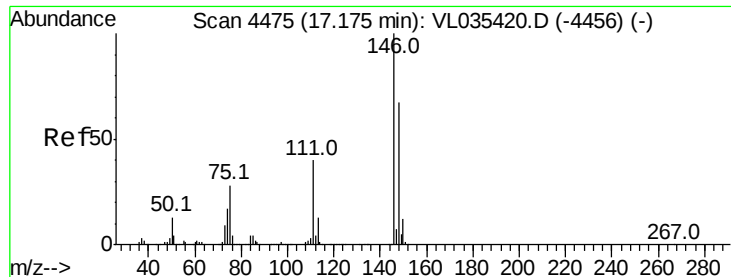
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO





#76

1,4-Dichlorobenzene

Concen: 0.186 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

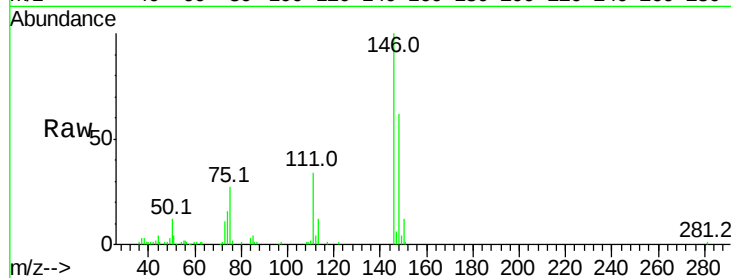
Tgt Ion:146 Resp: 82984

Ion Ratio Lower Upper

146 100

111 40.5 24.8 74.4

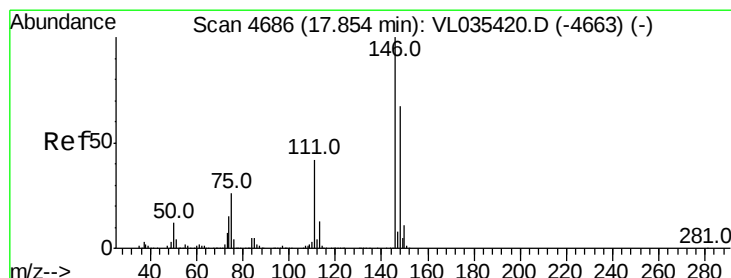
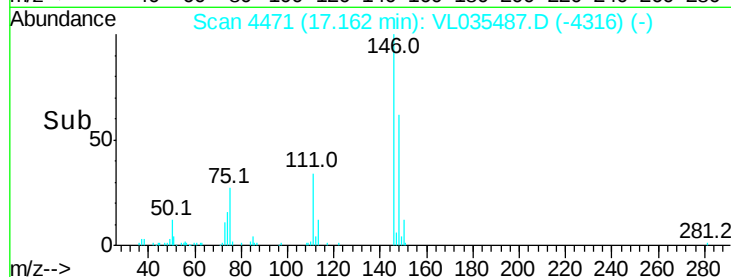
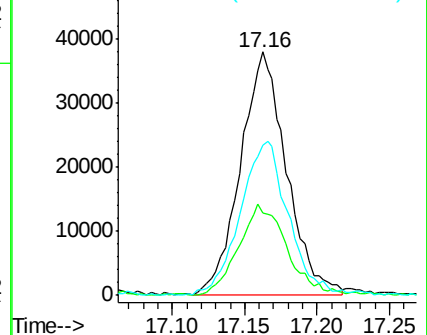
148 67.5 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.096 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.01 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

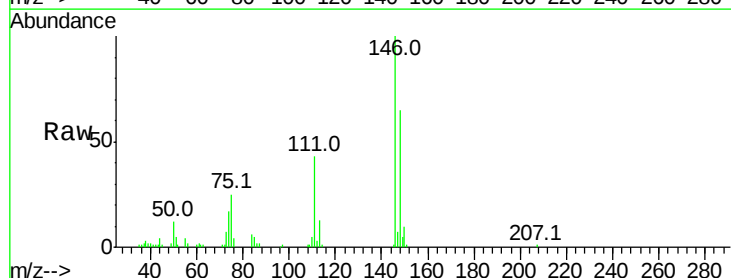
Tgt Ion:146 Resp: 42505

Ion Ratio Lower Upper

146 100

111 0.0 26.3 78.9#

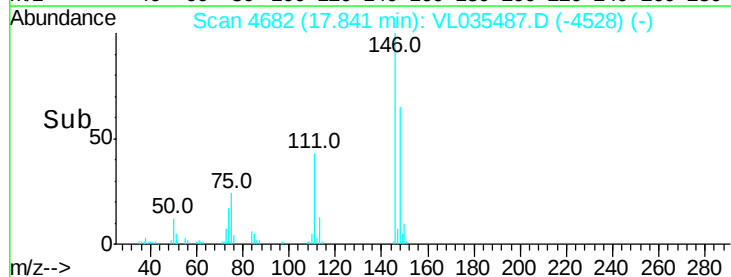
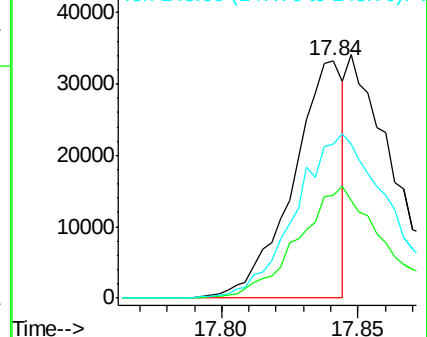
148 0.0 32.0 96.0#

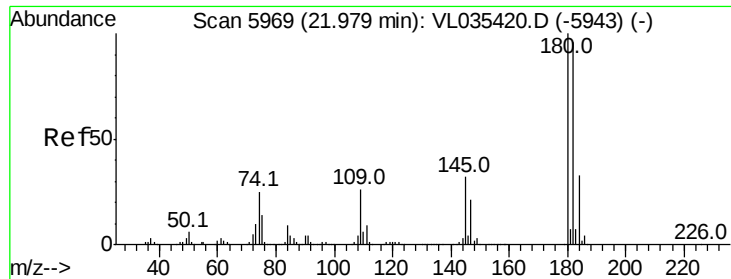


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.037 ppbv

RT: 21.97 min Scan# 5966

Delta R.T. 0.00 min

Lab File: VL035487.D

Acq: 21 Aug 2020 6:47

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

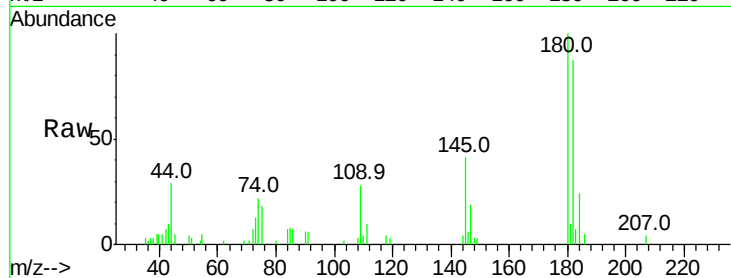
Tgt Ion:180 Resp: 18523

Ion Ratio Lower Upper

180 100

182 109.7 76.6 115.0

184 35.5 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

