

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031620\
 Data File : VL034889.D
 Acq On : 16 Mar 2020 14:00
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 17 04:25:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
 QLast Update : Mon Mar 09 16:42:53 2020
 Response via : Initial Calibration

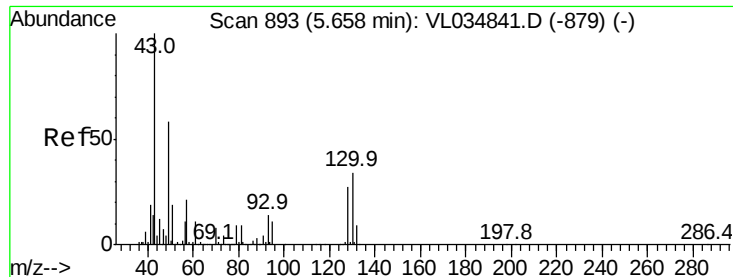
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	960692	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2072022	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2008107	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1658063	10.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	11282	0.086	ppbv	91
3) Chlorodifluoromethane	2.94	51	8211	0.077	ppbv #	87
4) Chloromethane	3.10	50	3079	0.051	ppbv #	82
5) Vinyl Chloride	3.21	62	2700	0.046	ppbv #	84
6) Bromomethane	3.44	94	1344	0.040	ppbv #	75
7) Chloroethane	3.51	64	649	0.031	ppbv #	83
8) Dichlorotetrafluoroethane	3.15	85	10269	0.075	ppbv	91
9) Propene	2.97	41	2915	0.057	ppbv #	32
11) Trichlorofluoromethane	3.92	101	9302	0.066	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	6763	0.069	ppbv	83
14) Bromoethene	3.71	108	1841	0.044	ppbv #	1
16) 1,3-Butadiene	3.28	39	1890	0.034	ppbv #	9
18) 1,1-Dichloroethene	4.26	96	1982	0.046	ppbv #	1
19) Isopropyl Alcohol	3.96	45	2733	0.035	ppbv #	37
20) Methylene Chloride	4.31	84	3869	0.098	ppbv #	36
21) Allyl Chloride	4.39	41	3535	0.044	ppbv #	53
22) trans-1,2-Dichloroethene	4.87	96	2669	0.061	ppbv #	42
24) 1,1-Dichloroethane	4.99	63	4031	0.033	ppbv #	90
25) Ethyl Acetate	5.68	43	8338	0.038	ppbv #	70
26) Hexane	5.66	57	3795	0.040	ppbv #	1
27) Carbon Disulfide	4.53	76	4153	0.038	ppbv #	48
31) cis-1,2-Dichloroethene	5.53	61	5642	0.058	ppbv #	87
35) Carbon Tetrachloride	7.01	117	4459	0.035	ppbv	93
36) Benzene	6.88	78	12357	0.067	ppbv #	66
38) Trichloroethene	7.83	130	2829	0.040	ppbv #	52
39) 1,2-Dichloropropane	7.17	63	569328	7.780	ppbv #	23
42) Bromodichloromethane	7.79	83	4779	0.034	ppbv #	83
47) 1,1,2-Trichloroethane	9.48	97	3256	0.043	ppbv #	66
60) o-Xylene	13.71	91	7459	0.034	ppbv #	31
63) 1,1,2,2-Tetrachloroethane	13.70	83	6491	0.043	ppbv #	25
75) 1,3-Dichlorobenzene	17.03	146	10226	0.067	ppbv #	45
78) Hexachloro-1,3-Butadiene	23.41	225	8378	0.068	ppbv #	18
80) Naphthalene,2-methyl-	25.01	142	6657	0.129	ppbv	90

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL034889.D

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MSVOA_L

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VIBLK

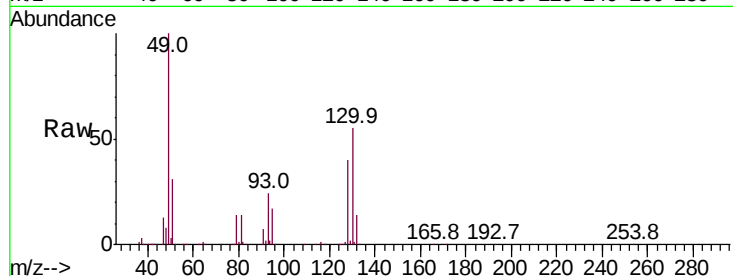
Tot Ion: 49 Resp: 960692

Ion Ratio Lower Upper

49 100

128 44.2 23.4 70.3

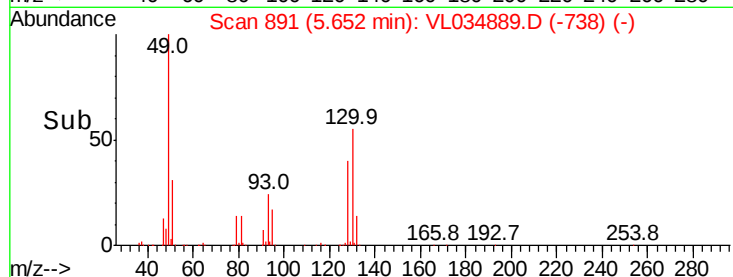
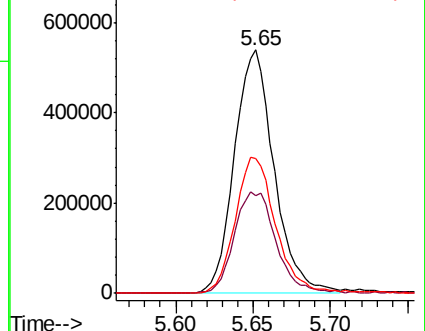
130 57.2 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.086 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL034889.D

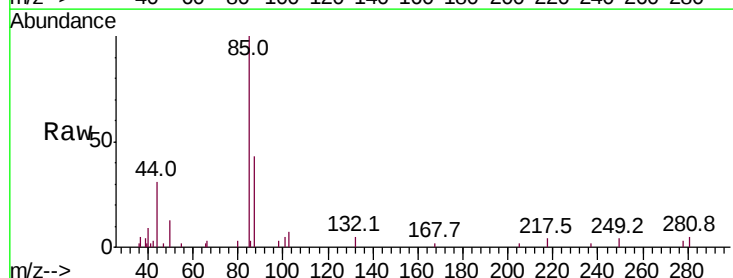
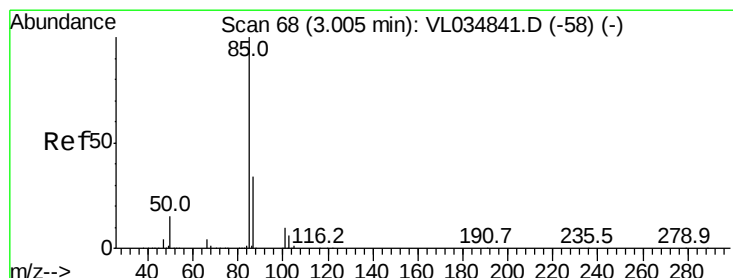
Acq: 16 Mar 2020 14:00

Tgt Ion: 85 Resp: 11282

Ion Ratio Lower Upper

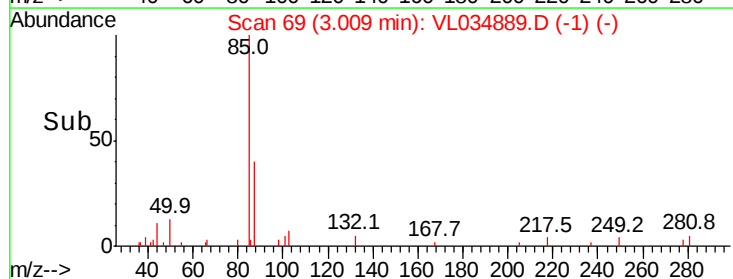
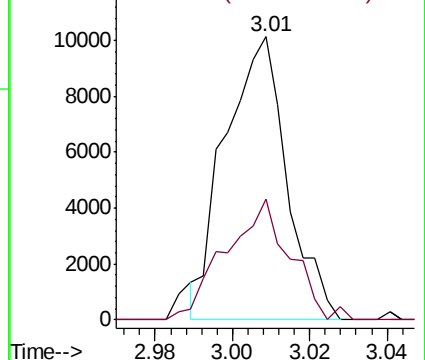
85 100

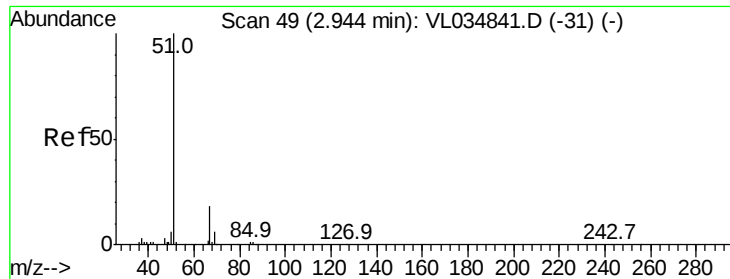
87 38.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.077 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

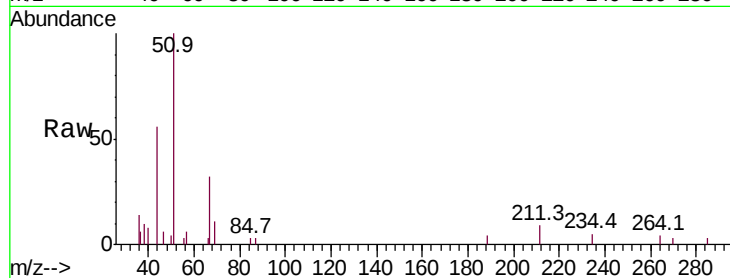
VIBLK

Tot Ion: 51 Resp: 8211

Ion Ratio Lower Upper

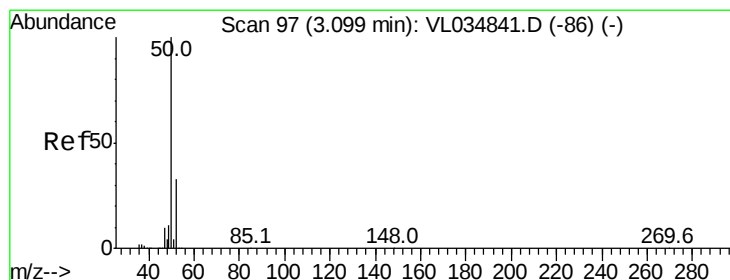
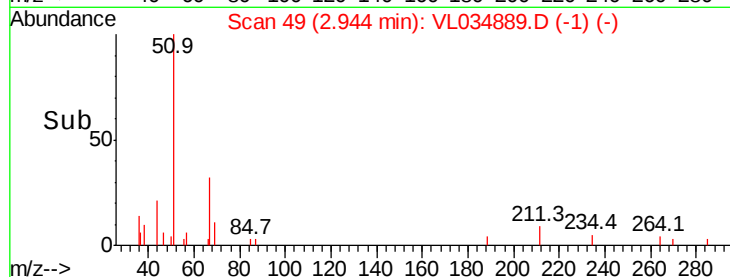
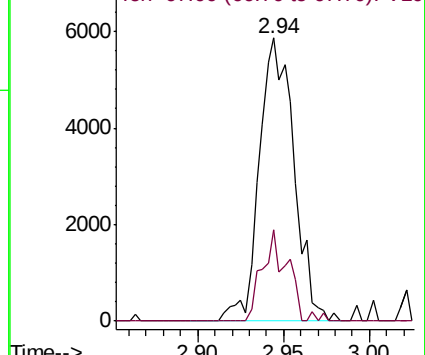
51 100

67 23.8 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.051 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034889.D

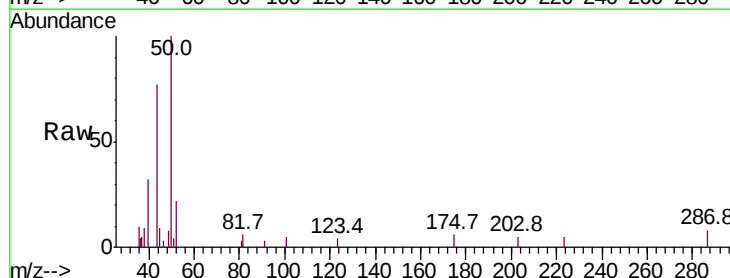
Acq: 16 Mar 2020 14:00

Tgt Ion: 50 Resp: 3079

Ion Ratio Lower Upper

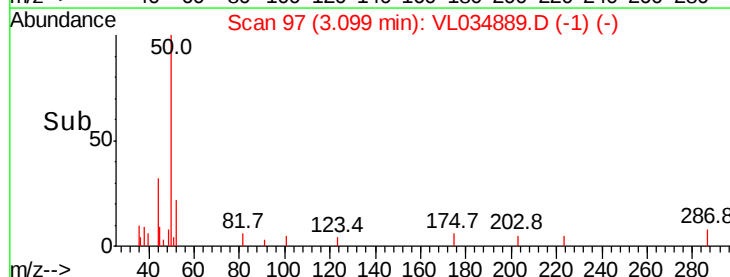
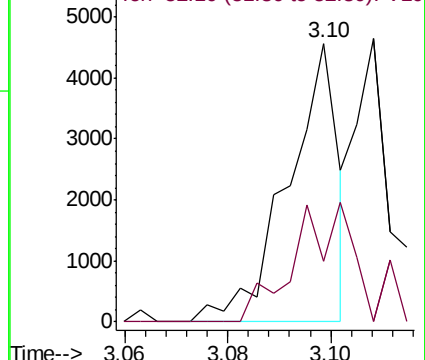
50 100

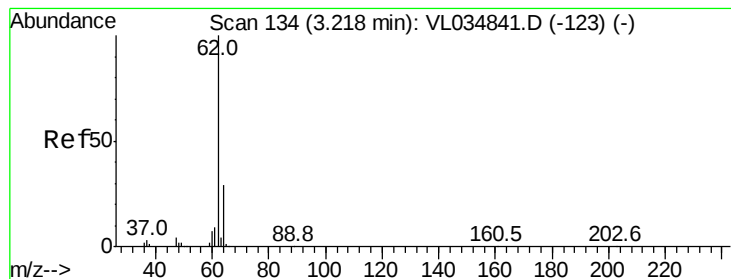
52 23.1 26.8 40.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.046 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampled :

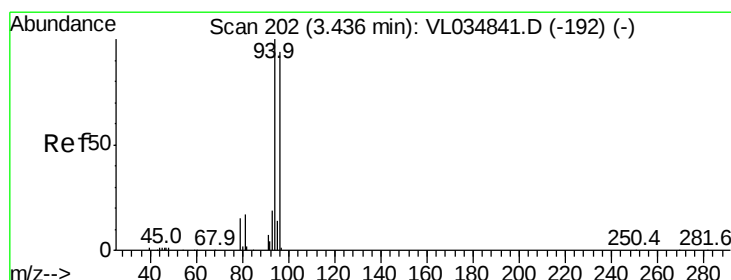
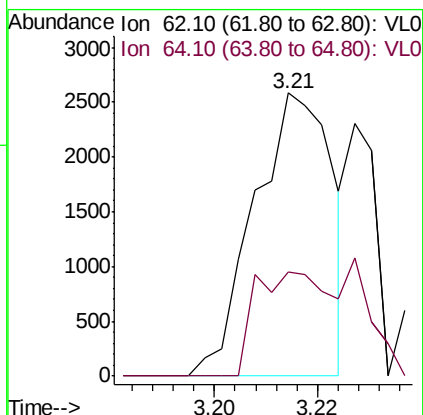
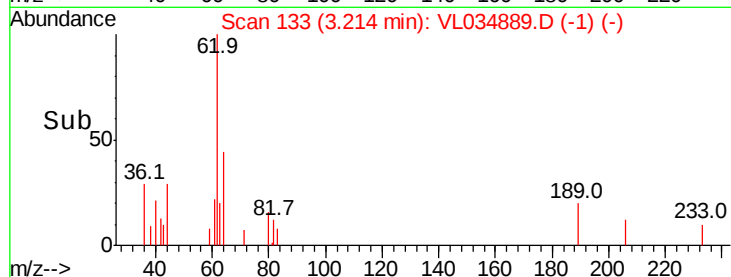
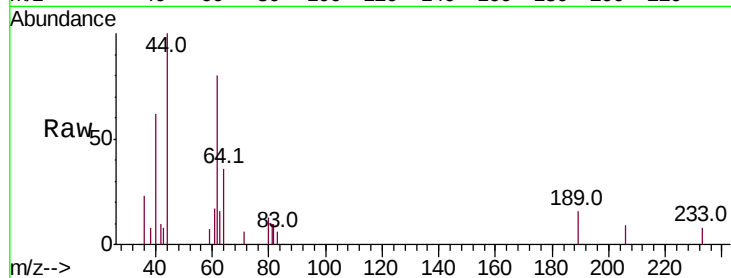
VIBLK

Tot Ion: 62 Resp: 2700

Ion Ratio Lower Upper

62 100

64 37.0 23.0 34.4#



#6

Bromomethane

Concen: 0.040 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034889.D

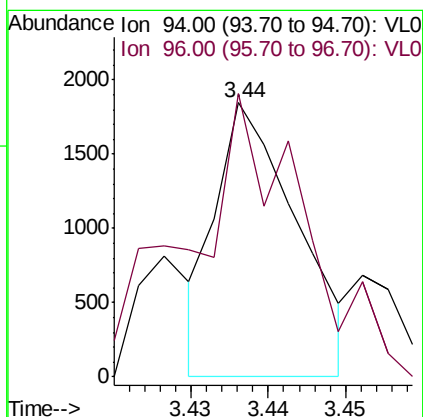
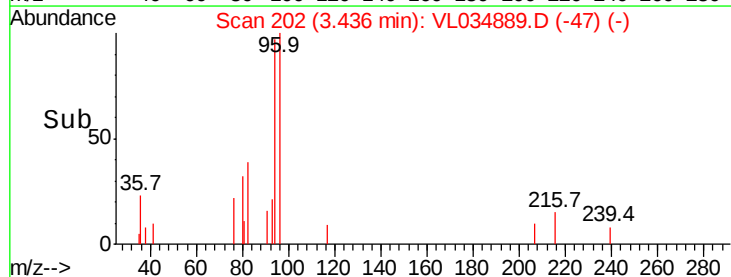
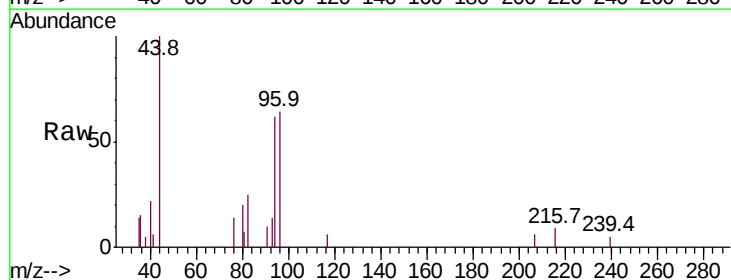
Acq: 16 Mar 2020 14:00

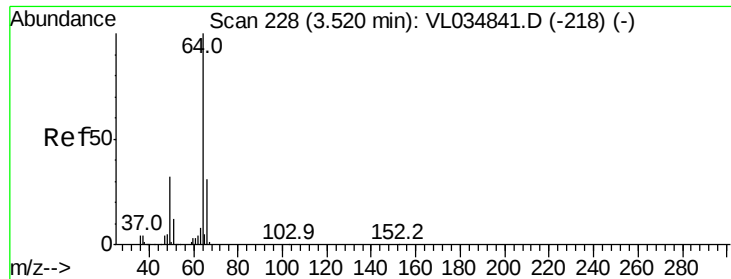
Tgt Ion: 94 Resp: 1344

Ion Ratio Lower Upper

94 100

96 118.4 75.5 113.3#





#7

Chloroethane

Concen: 0.031 ppbv

RT: 3.51 min Scan# 226

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

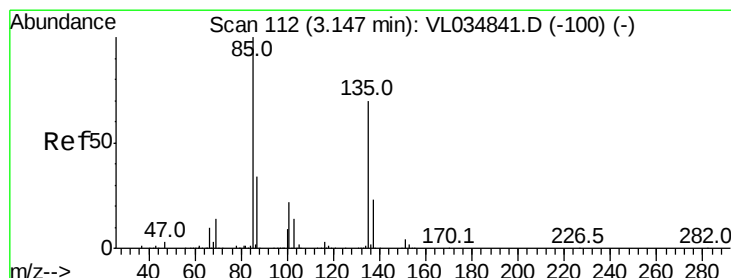
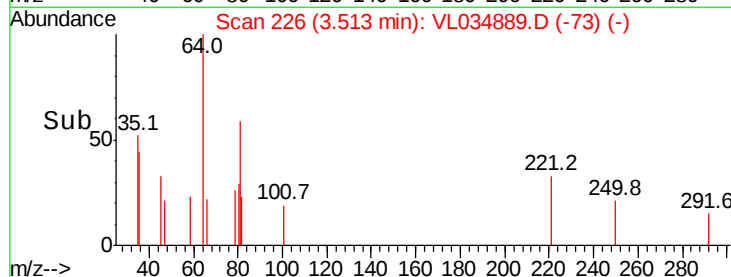
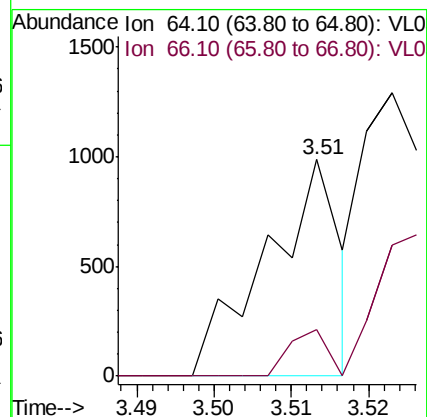
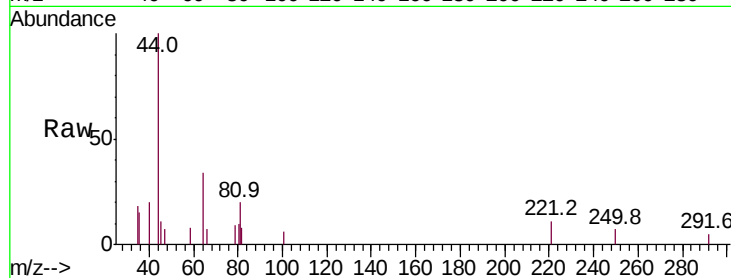
VIBLK

Tot Ion: 64 Resp: 649

Ion Ratio Lower Upper

64 100

66 21.6 24.8 37.2#



#8

Dichlorotetrafluoroethane

Concen: 0.075 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL034889.D

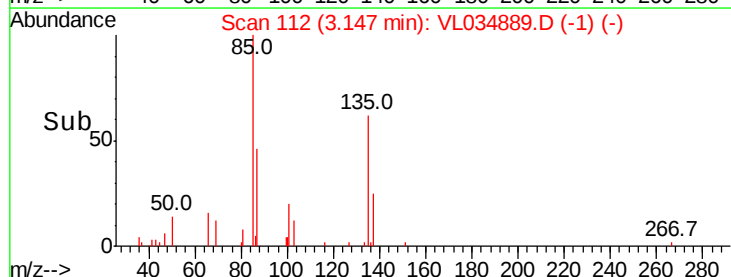
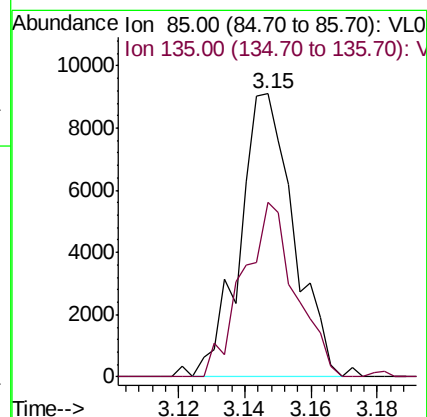
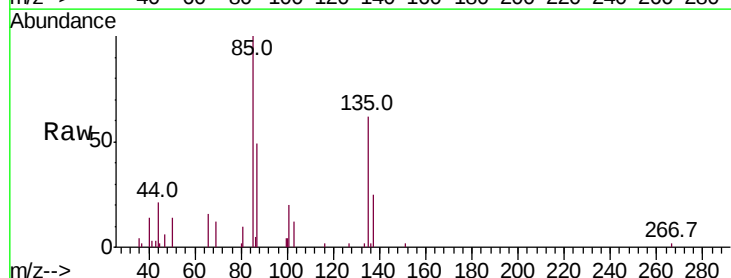
Acq: 16 Mar 2020 14:00

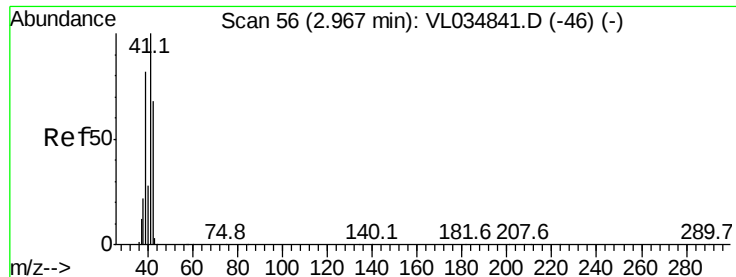
Tgt Ion: 85 Resp: 10269

Ion Ratio Lower Upper

85 100

135 60.8 54.3 81.5





#9

Propene

Concen: 0.057 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

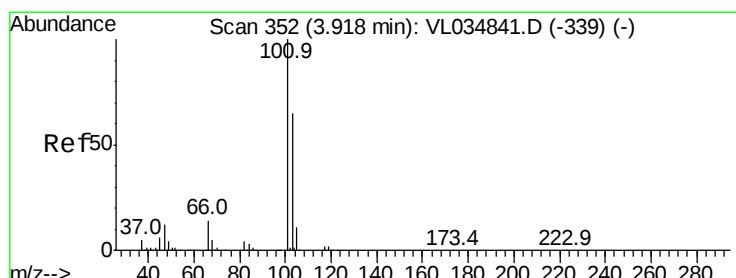
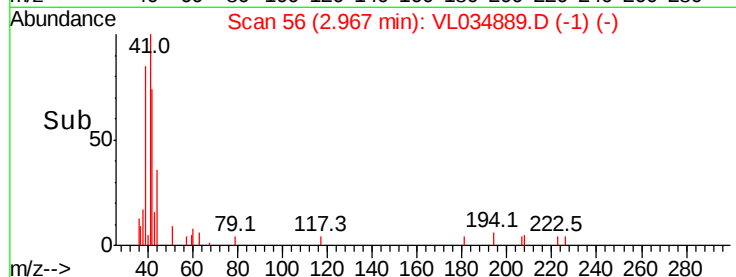
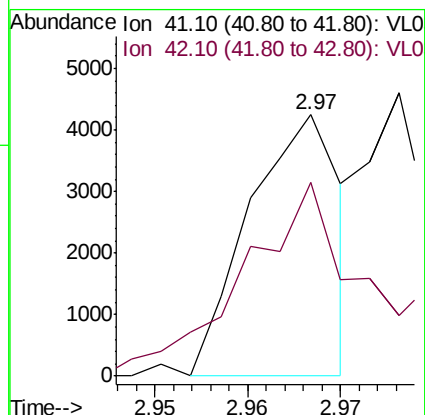
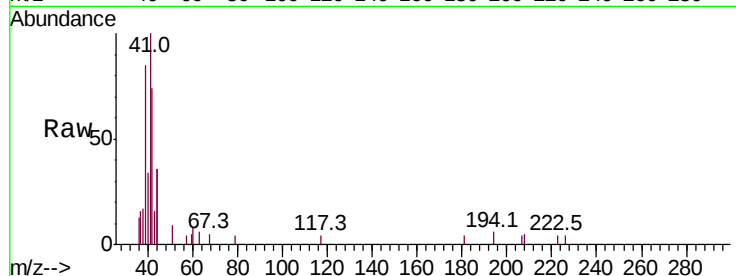
VIBLK

Tot Ion: 41 Resp: 2915

Ion Ratio Lower Upper

41 100

42 124.4 55.2 82.8#



#11

Trichlorofluoromethane

Concen: 0.066 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.00 min

Lab File: VL034889.D

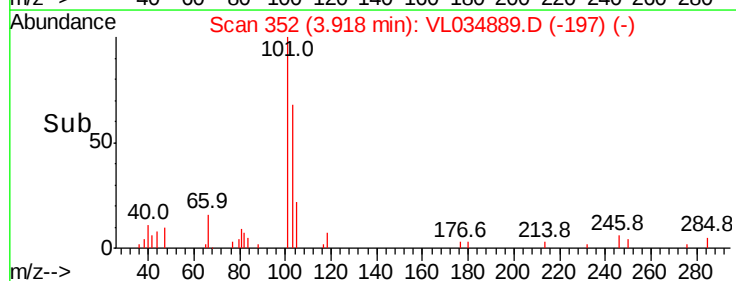
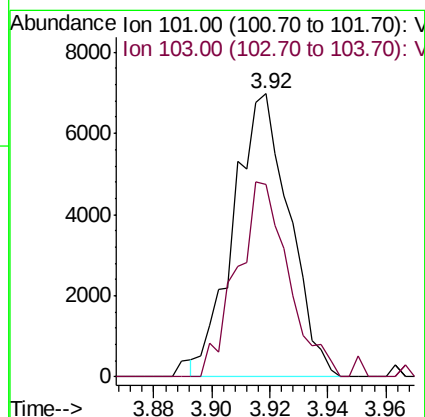
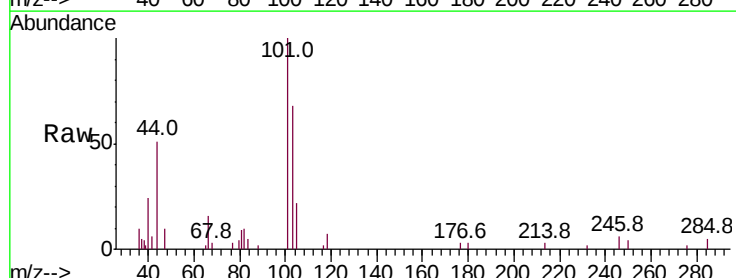
Acq: 16 Mar 2020 14:00

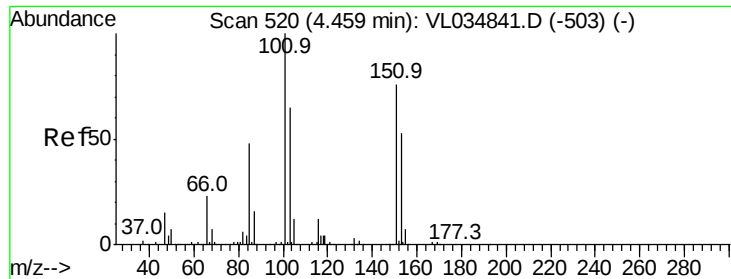
Tgt Ion: 101 Resp: 9302

Ion Ratio Lower Upper

101 100

103 68.0 51.8 77.8





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.069 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

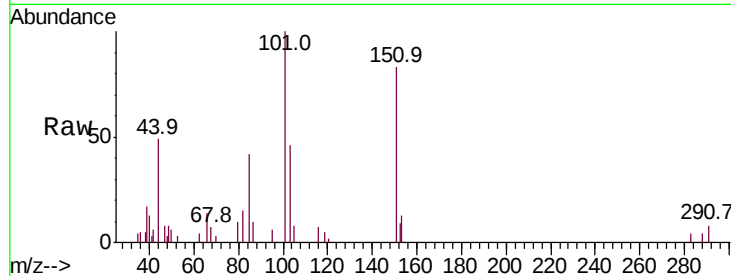
VIBLK

Tot Ion:101 Resp: 6763

Ion Ratio Lower Upper

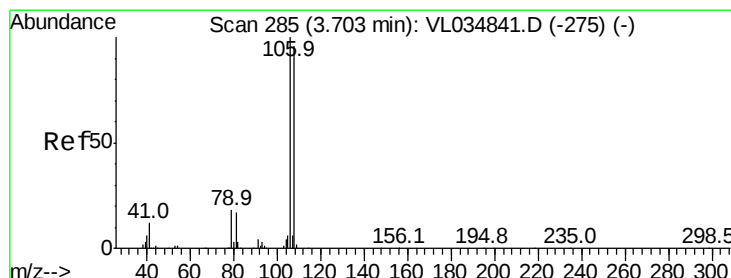
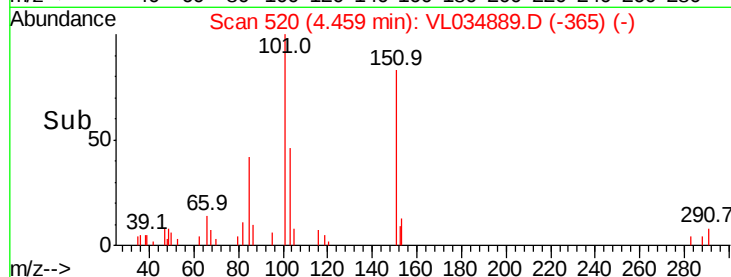
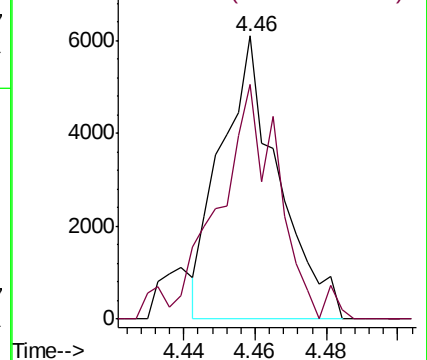
101 100

151 90.5 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V



#14

Bromoethene

Concen: 0.044 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

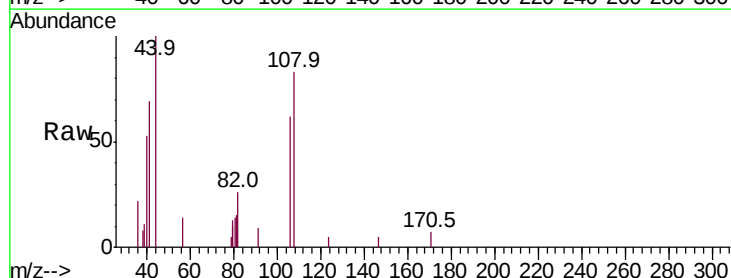
Tgt Ion:108 Resp: 1841

Ion Ratio Lower Upper

108 100

106 0.0 85.1 127.7#

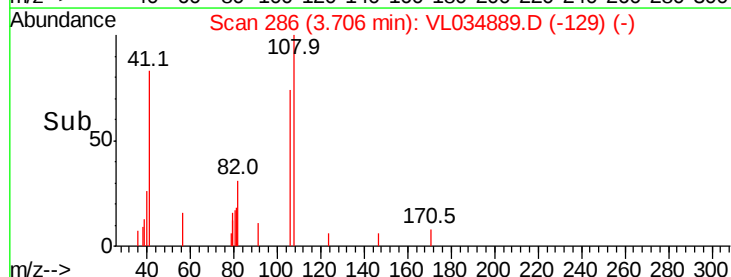
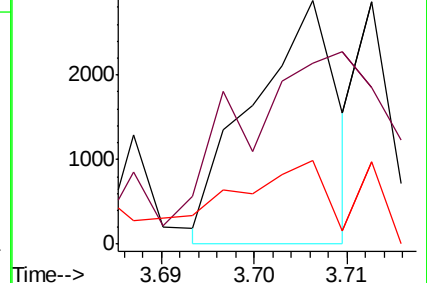
79 61.4 14.7 22.1#

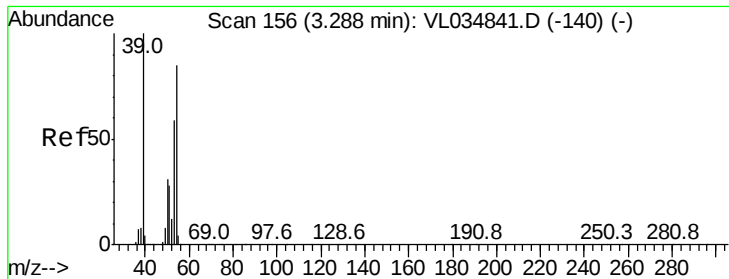


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VLO





#16

1,3-Butadiene

Concen: 0.034 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

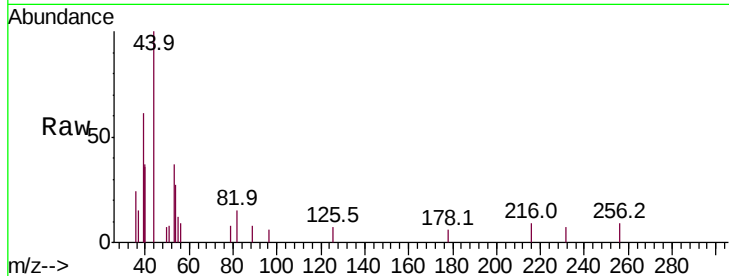
VIBLK

Tot Ion: 39 Resp: 1890

Ion Ratio Lower Upper

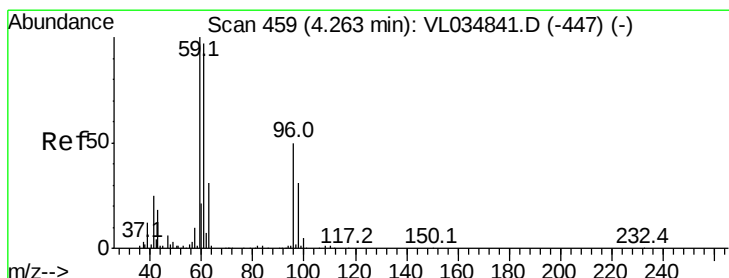
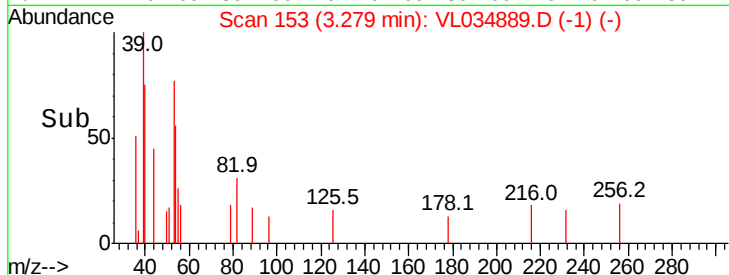
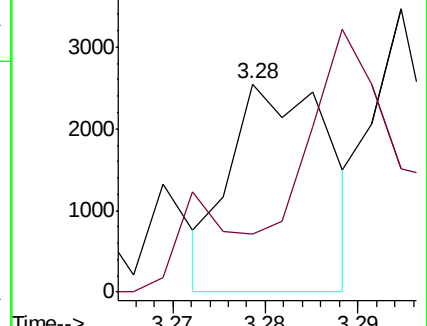
39 100

54 0.0 65.0 97.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



#18

1,1-Dichloroethene

Concen: 0.046 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

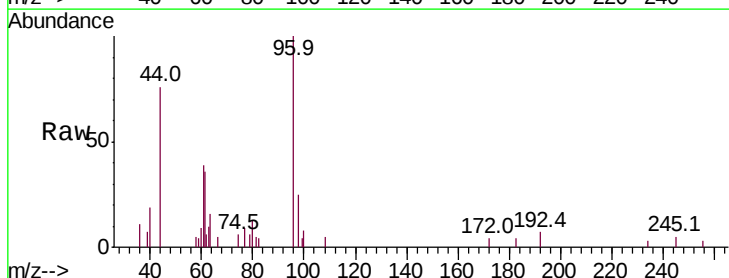
Tgt Ion: 96 Resp: 1982

Ion Ratio Lower Upper

96 100

61 23.2 157.3 235.9#

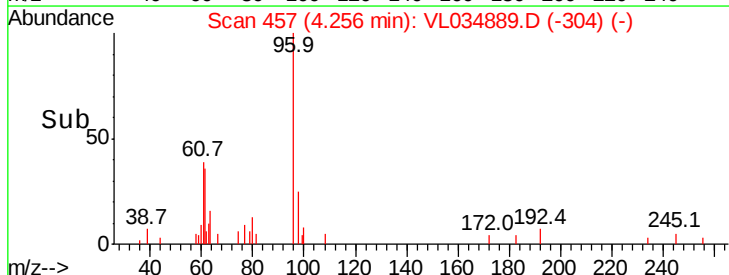
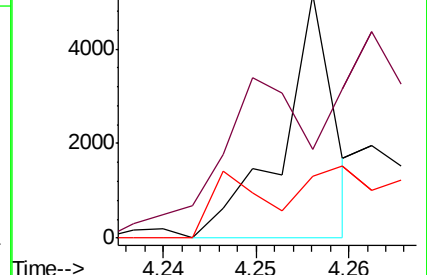
98 25.4 50.2 75.4#

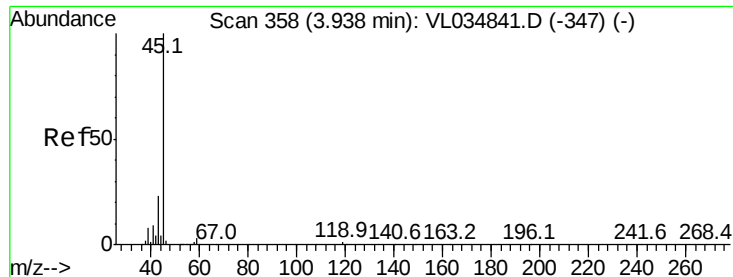


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.035 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.03 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

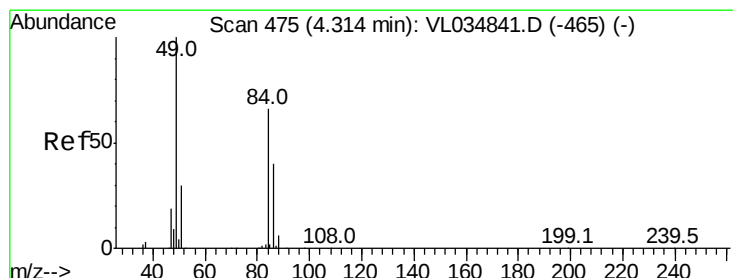
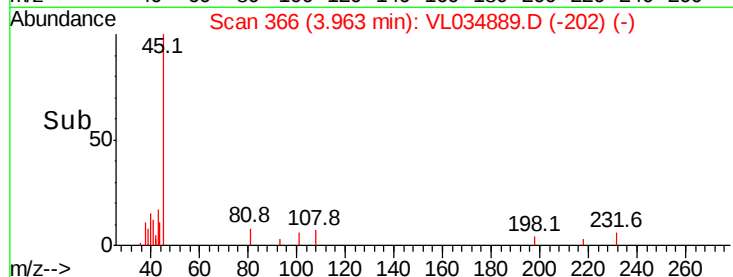
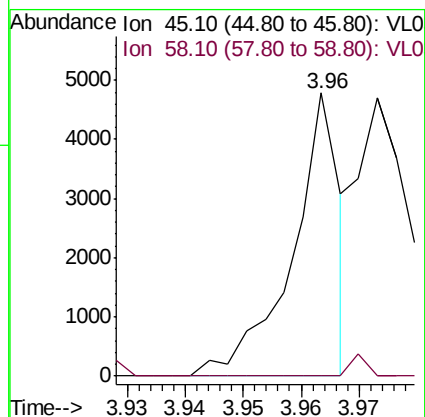
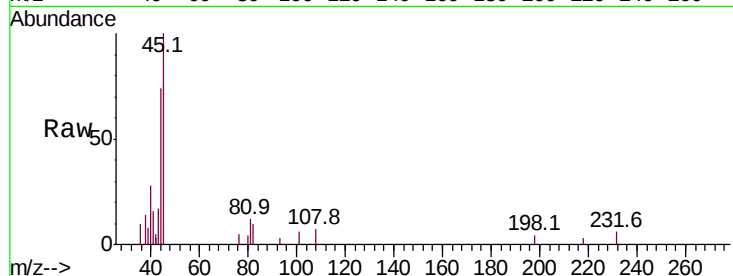
VIBLK

Tot Ion: 45 Resp: 2733

Ion Ratio Lower Upper

45 100

58 0.0 30.5 45.7#



#20

Methylene Chloride

Concen: 0.098 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Tgt Ion: 84 Resp: 3869

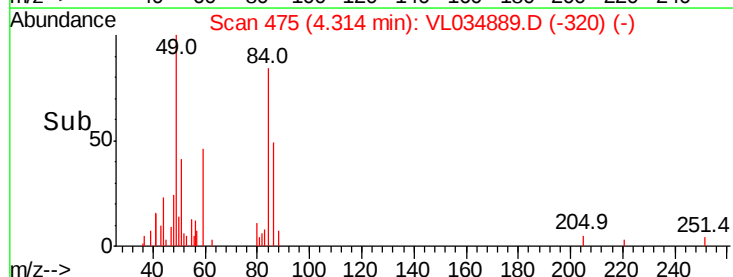
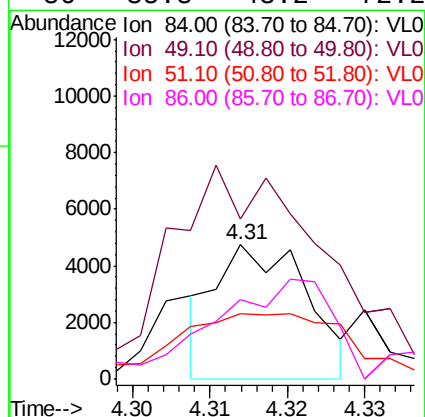
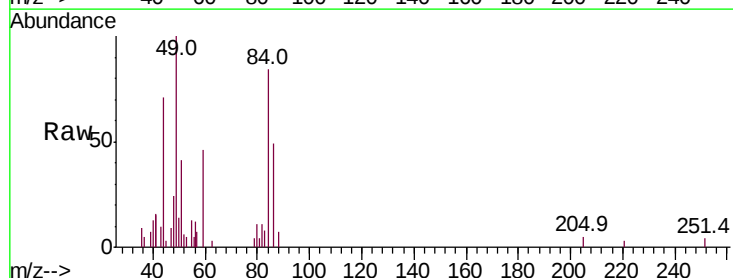
Ion Ratio Lower Upper

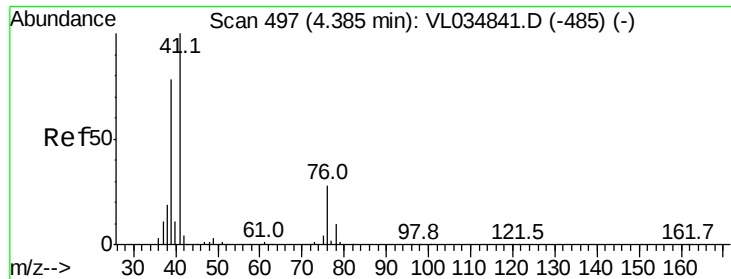
84 100

49 48.0 121.5 182.3#

51 12.7 36.6 55.0#

86 35.8 48.2 72.2#

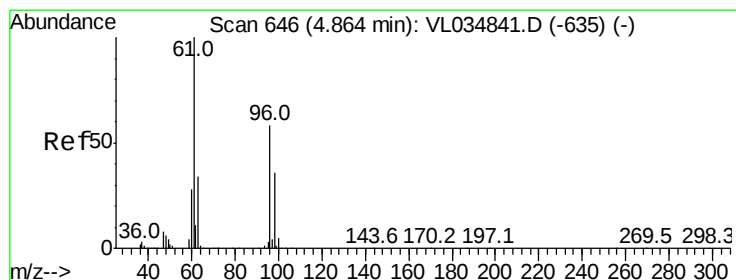
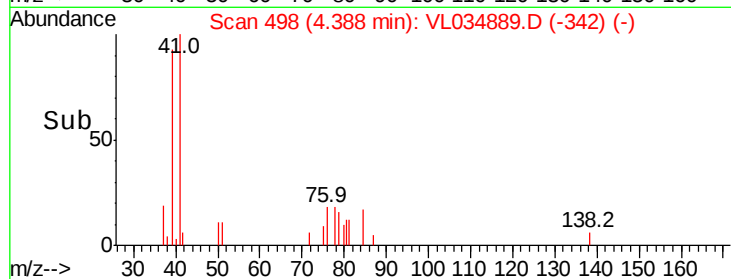
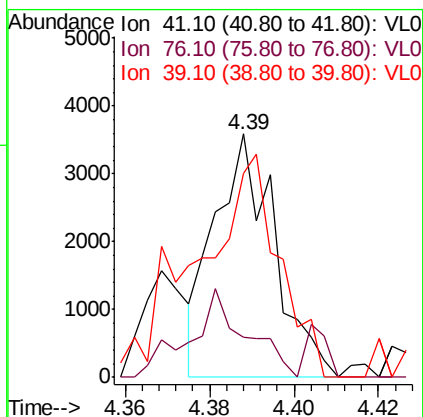
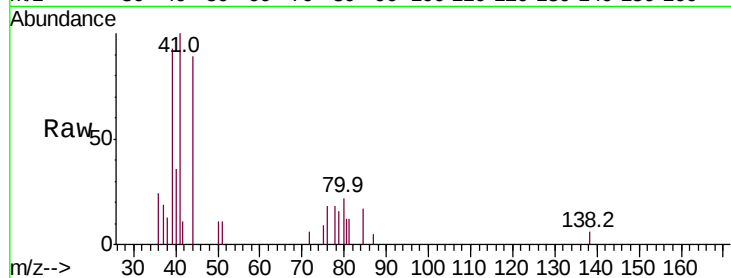




#21
Allvl Chloride
Concen: 0.044 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL034889.D
Acq: 16 Mar 2020 14:00

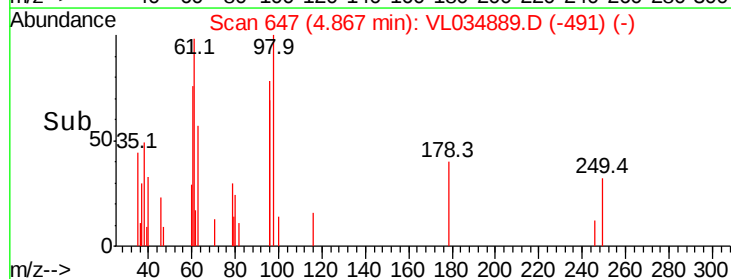
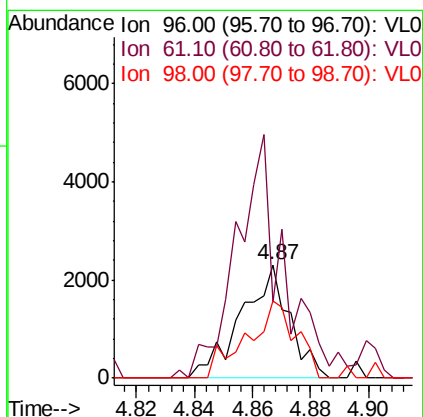
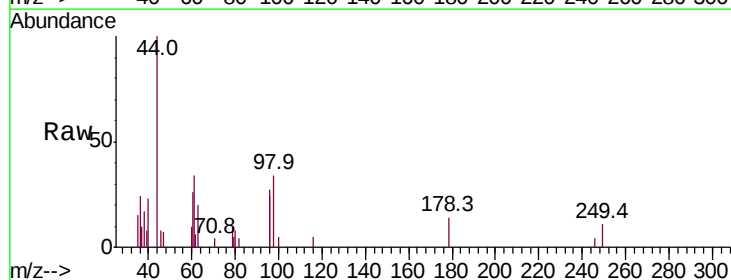
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

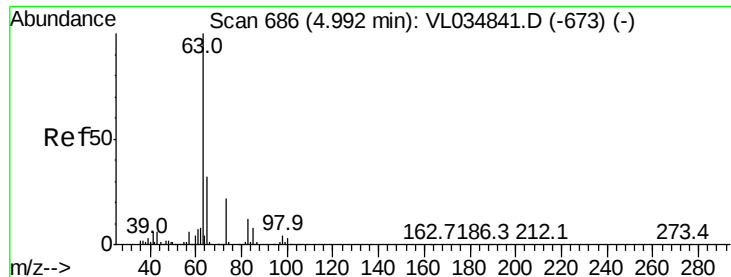
Tot Ion: 41 Resp: 3535
Ion Ratio Lower Upper
41 100
76 41.7 22.2 33.2#
39 125.6 62.6 93.8#



#22
trans-1,2-Dichloroethene
Concen: 0.061 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL034889.D
Acq: 16 Mar 2020 14:00

Tgt Ion: 96 Resp: 2669
Ion Ratio Lower Upper
96 100
61 67.0 139.0 208.6#
98 68.1 50.3 75.5





#24

1,1-Dichloroethane

Concen: 0.033 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

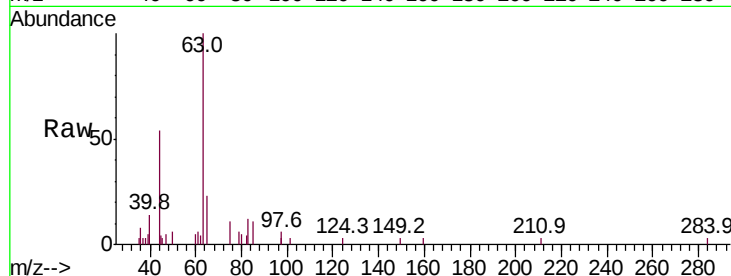
Tot Ion: 63 Resp: 4031

Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

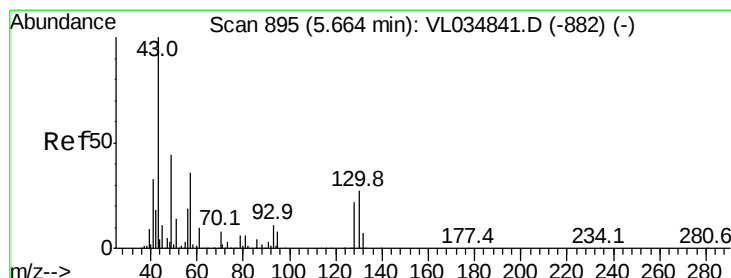
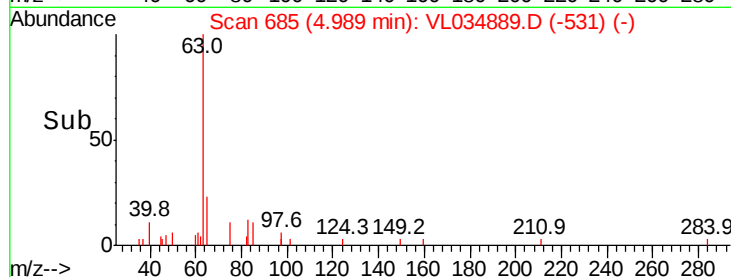
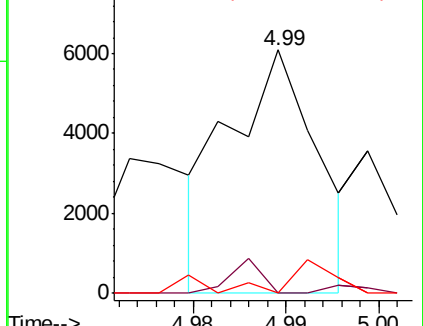
100 0.0 1.4 4.0#



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: 0.038 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Tgt Ion: 43 Resp: 8338

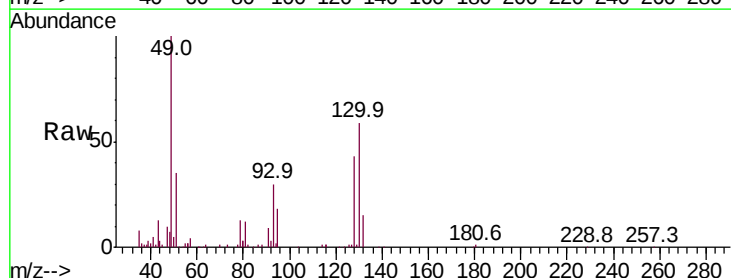
Ion Ratio Lower Upper

43 100

45 25.5 8.2 12.2#

61 0.0 7.8 11.6#

70 14.6 5.8 8.8#

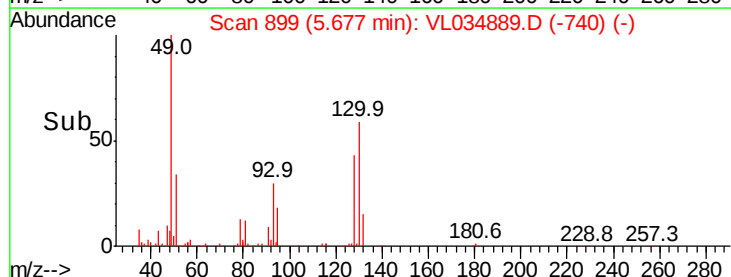
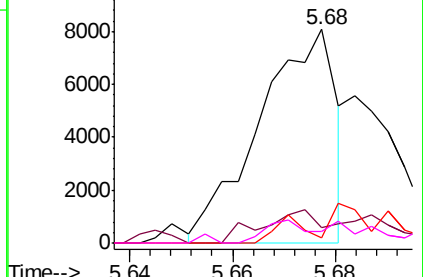


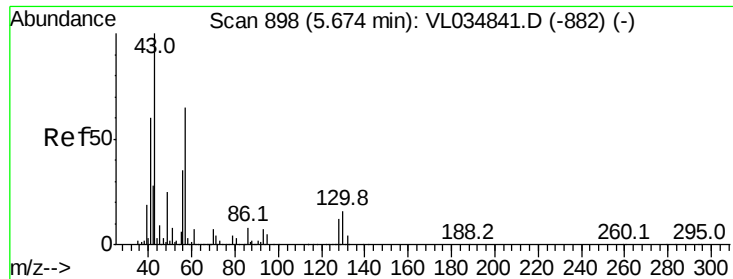
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.040 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion: 57 Resp: 3795

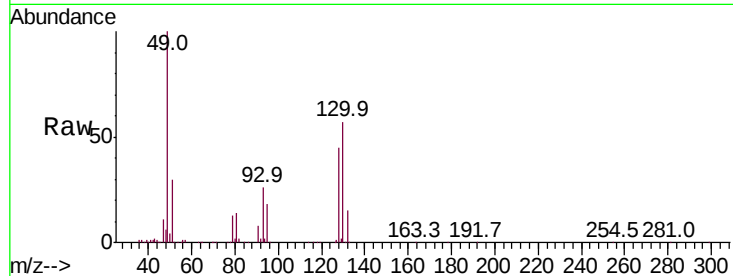
Ion Ratio Lower Upper

57 100

41 170.4 72.6 109.0#

43 0.0 183.8 275.6#

56 0.0 41.9 62.9#

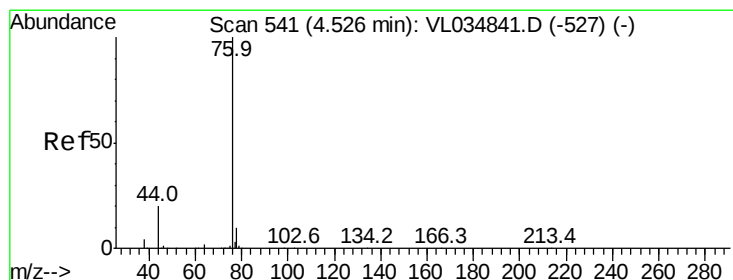
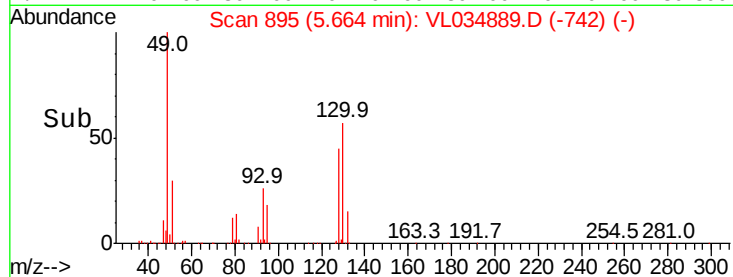
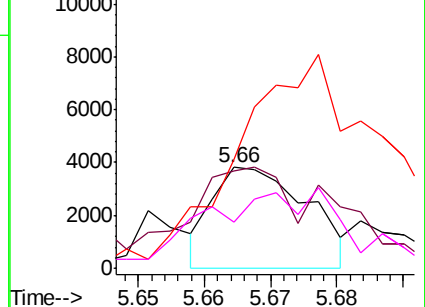


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.038 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

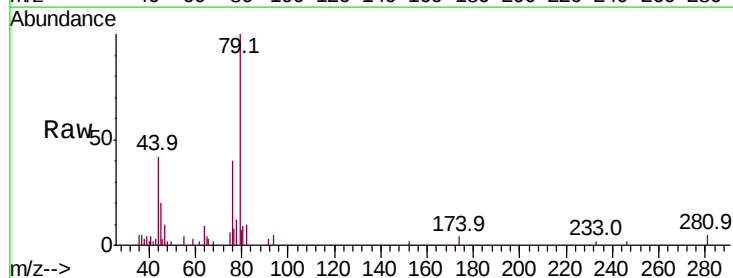
Tgt Ion: 76 Resp: 4153

Ion Ratio Lower Upper

76 100

44 35.2 16.2 24.2#

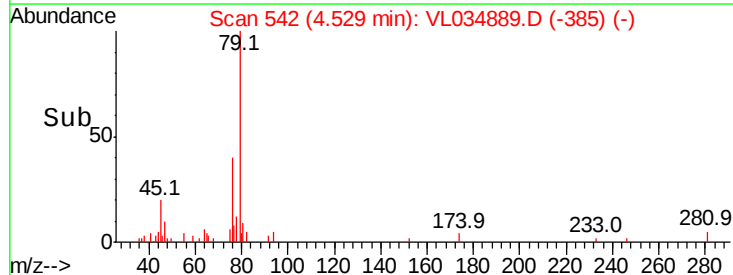
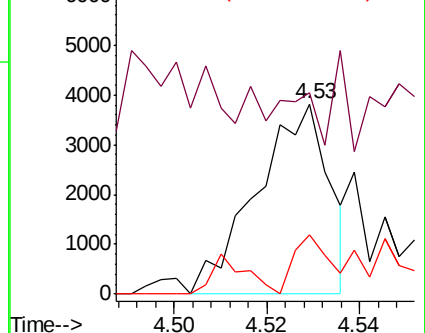
78 43.6 7.8 11.6#

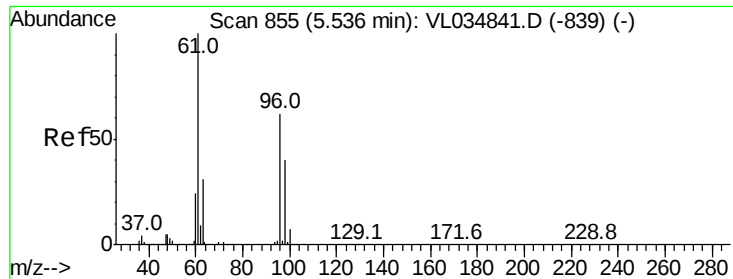


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



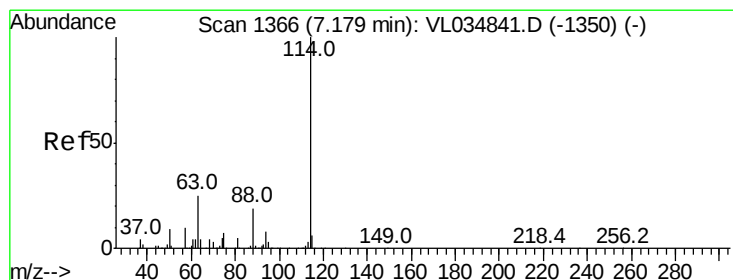
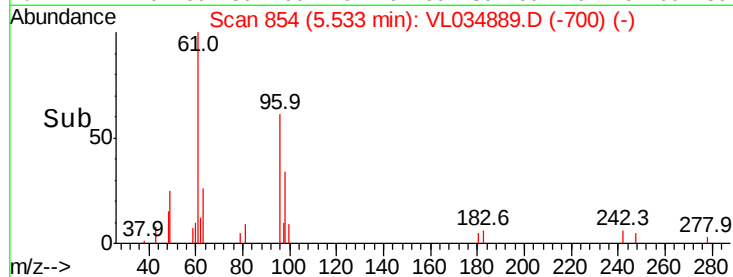
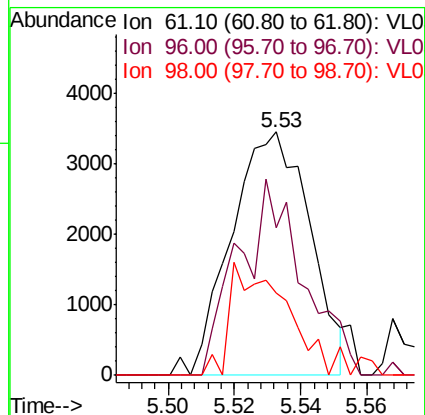
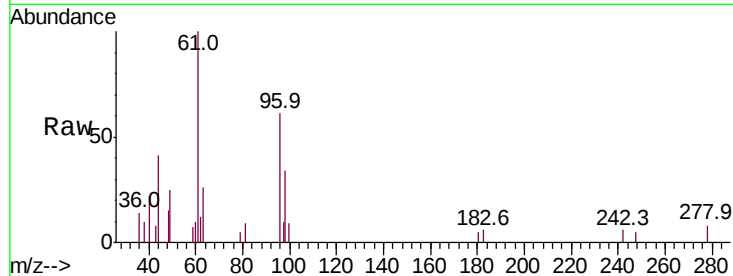


#31

cis-1,2-Dichloroethene
 Concen: 0.058 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL034889.D
 Acq: 16 Mar 2020 14:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

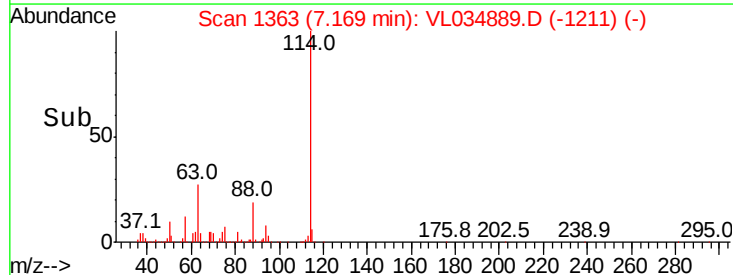
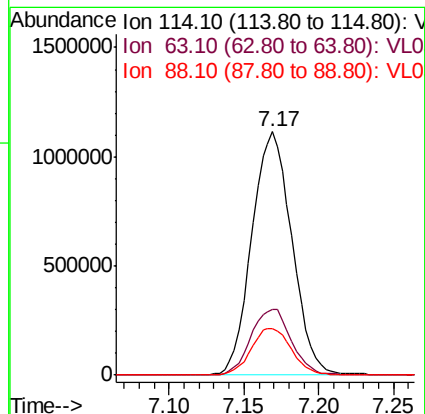
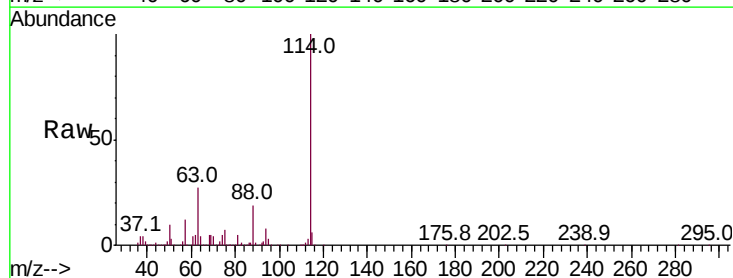
Tot Ion: 61 Resp: 5642
 Ion Ratio Lower Upper
 61 100
 96 54.3 49.8 74.8
 98 30.1 32.2 48.4#

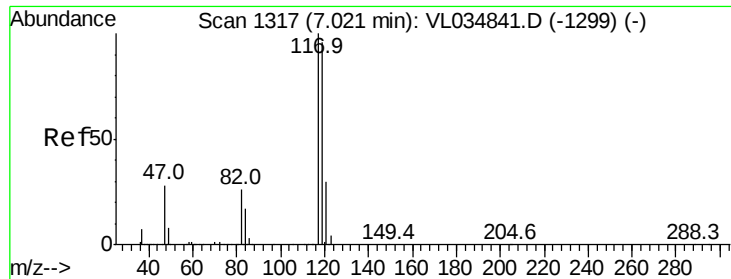


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL034889.D
 Acq: 16 Mar 2020 14:00

Tgt Ion: 114 Resp: 2072022
 Ion Ratio Lower Upper
 114 100
 63 27.6 20.6 31.0
 88 19.4 15.0 22.6





#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 7.01 min Scan# 1313

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

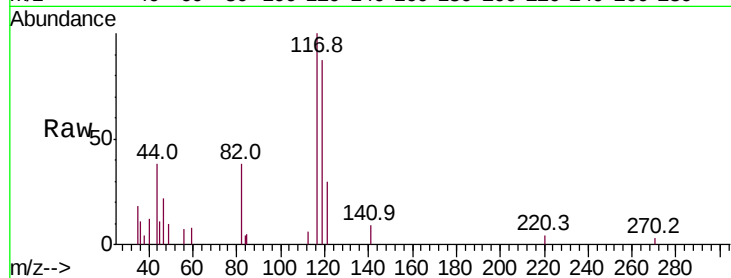
Tot Ion:117 Resp: 4459

Ion Ratio Lower Upper

117 100

119 86.7 77.0 115.4

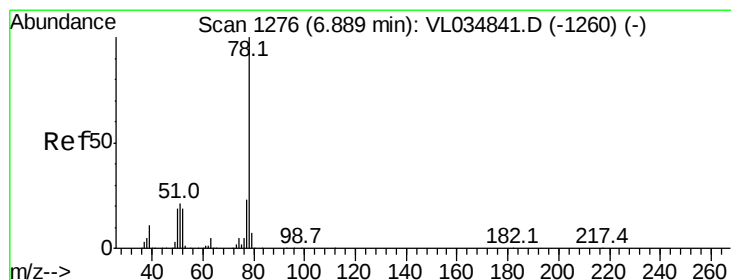
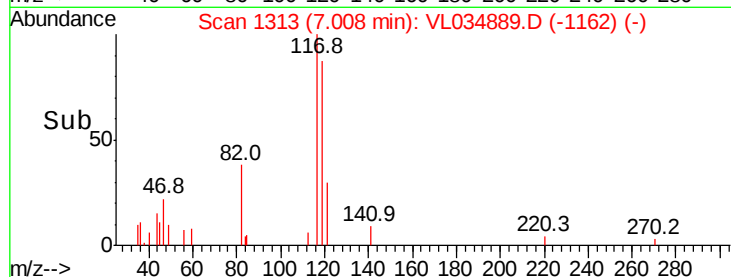
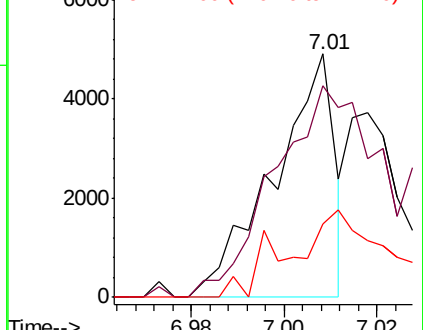
121 30.2 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.067 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

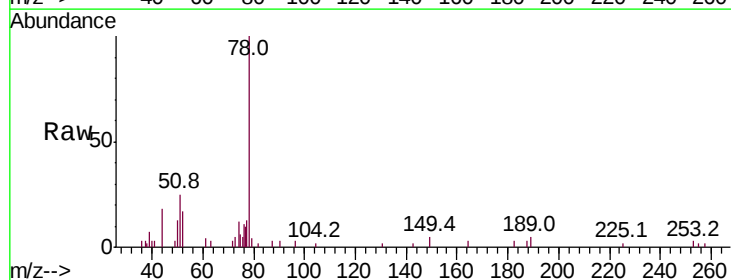
Tgt Ion: 78 Resp: 12357

Ion Ratio Lower Upper

78 100

77 11.5 18.2 27.2#

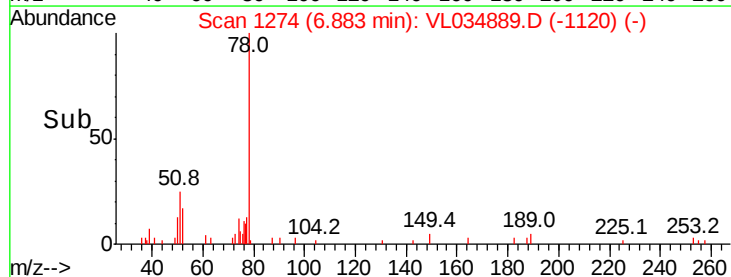
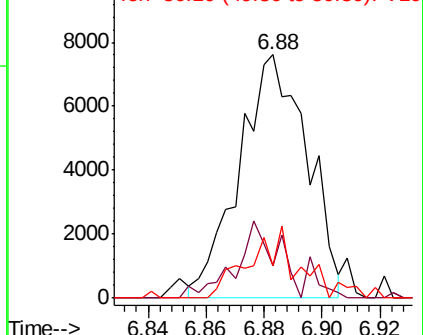
50 40.1 15.2 22.8#

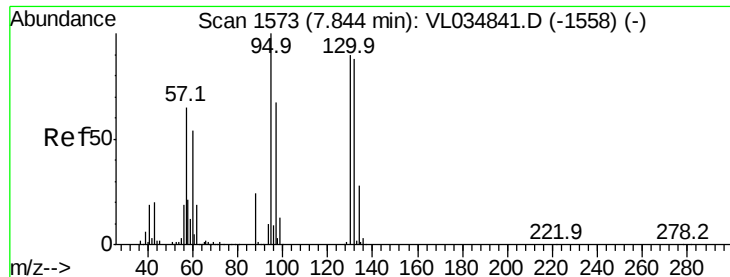


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#38

Trichloroethene

Concen: 0.040 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tot Ion:130 Resp: 2829

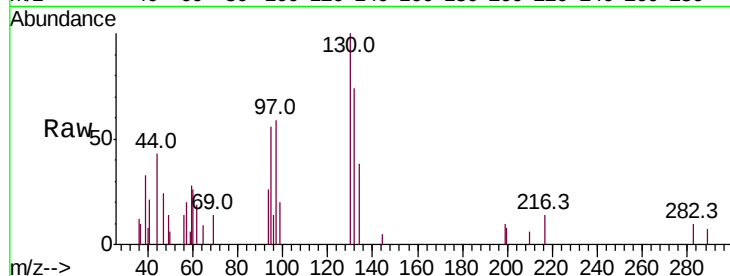
Ion Ratio Lower Upper

130 100

95 33.4 88.5 132.7#

132 75.6 78.0 117.0#

97 35.2 59.3 88.9#

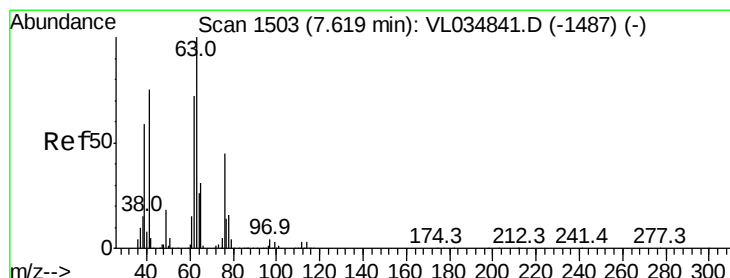
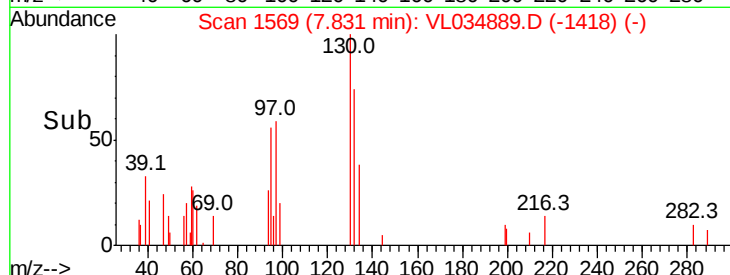
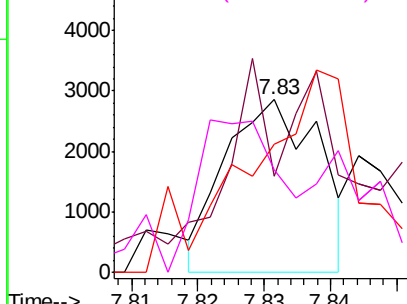


Abundance Ion 130.00 (129.70 to 130.70): V

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: 7.780 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

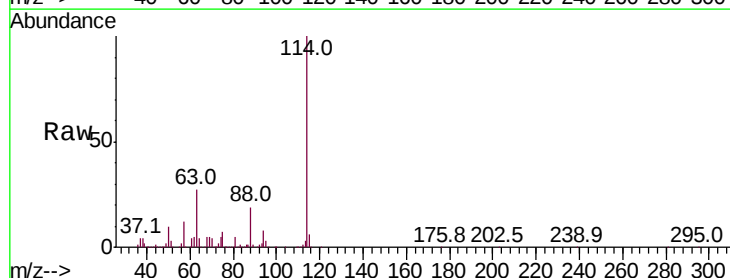
Tgt Ion: 63 Resp: 569328

Ion Ratio Lower Upper

63 100

41 0.4 59.8 89.8#

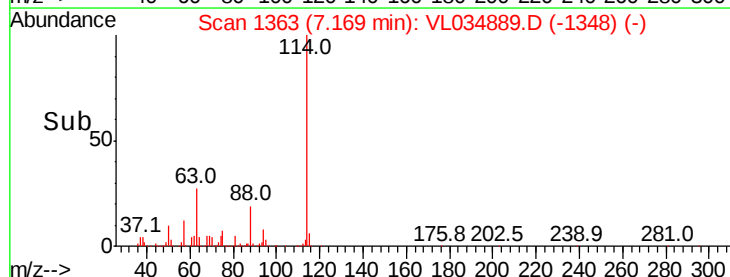
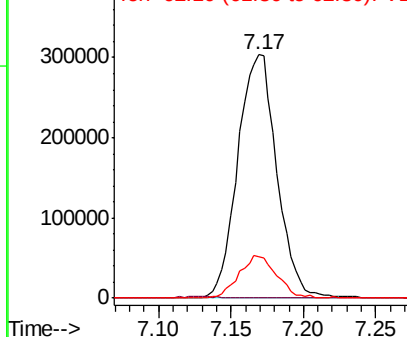
62 17.2 57.6 86.4#

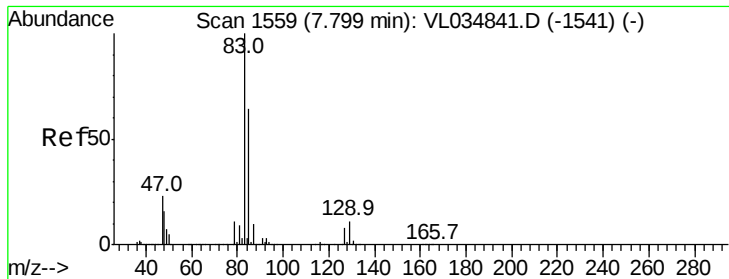


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.034 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

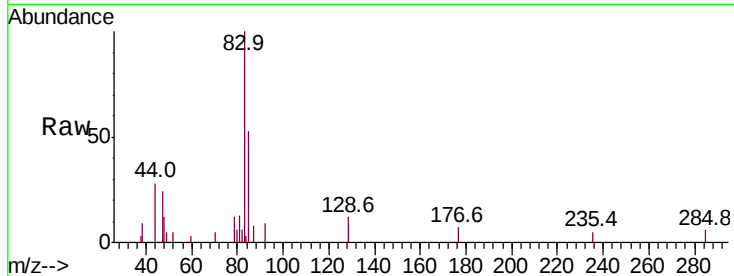
Tot Ion: 83 Resp: 4779

Ion Ratio Lower Upper

83 100

85 51.2 51.4 77.2#

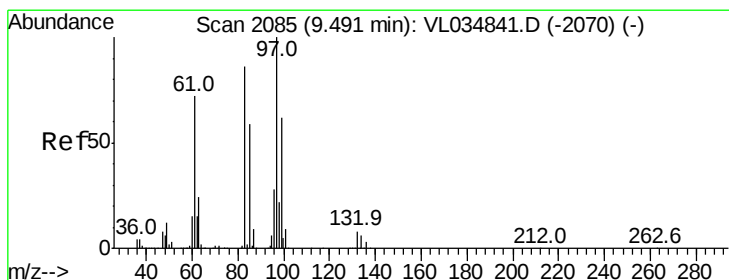
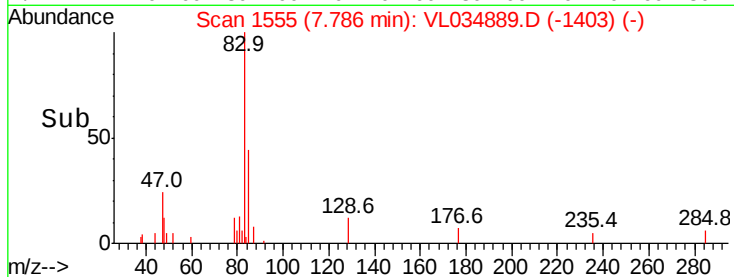
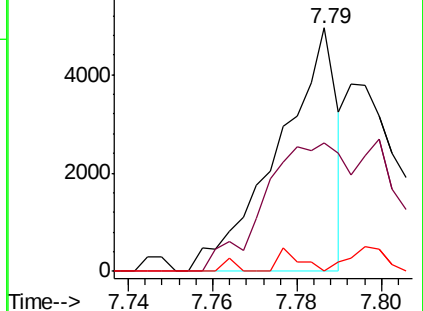
127 0.0 6.2 9.4#



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: 0.043 ppbv

RT: 9.48 min Scan# 2082

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Tgt Ion: 97 Resp: 3256

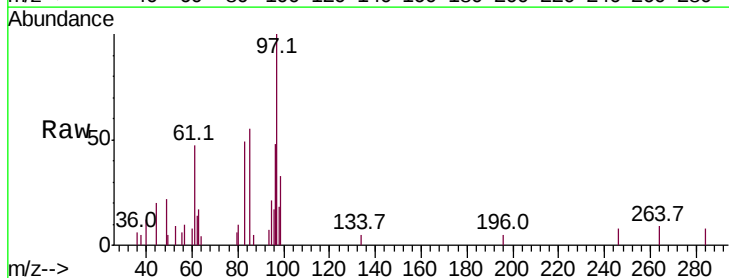
Ion Ratio Lower Upper

97 100

83 29.4 68.6 102.8#

85 52.2 46.9 70.3

99 47.3 49.9 74.9#

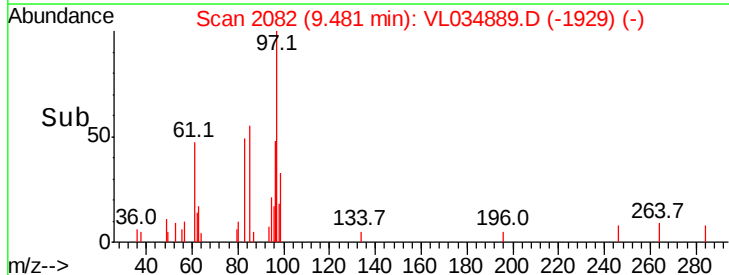
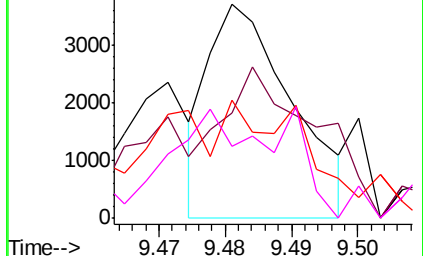


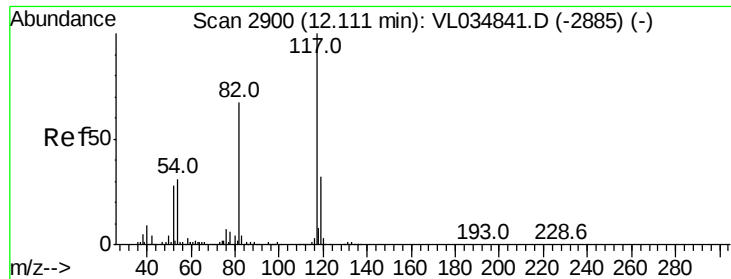
Abundance Ion 97.00 (96.70 to 97.70): VL0

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

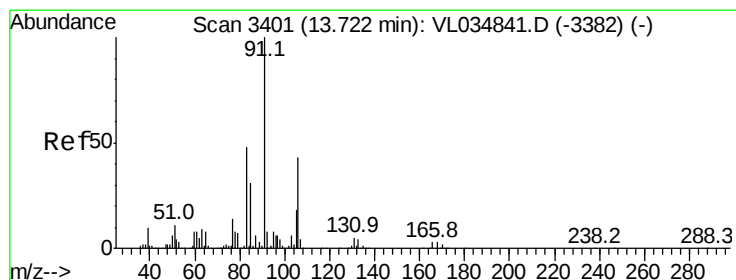
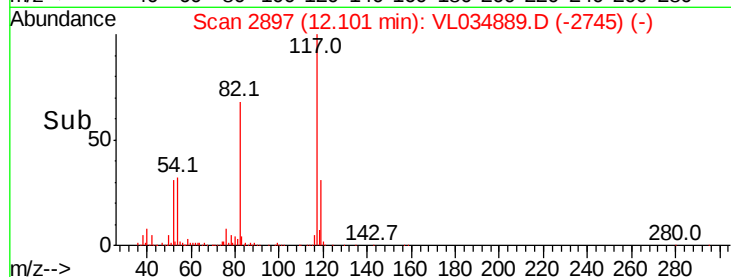
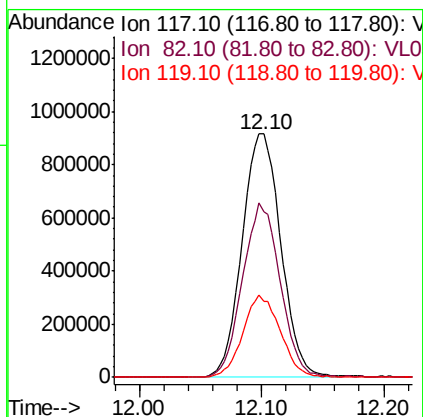
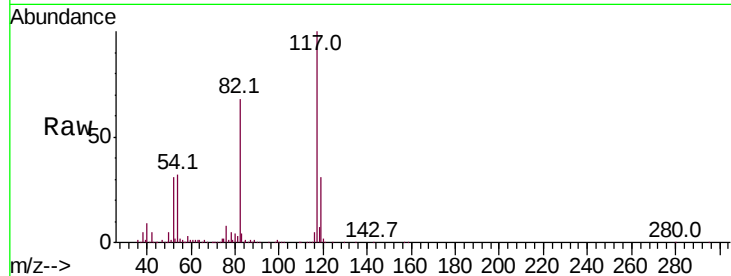




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL034889.D
Acq: 16 Mar 2020 14:00

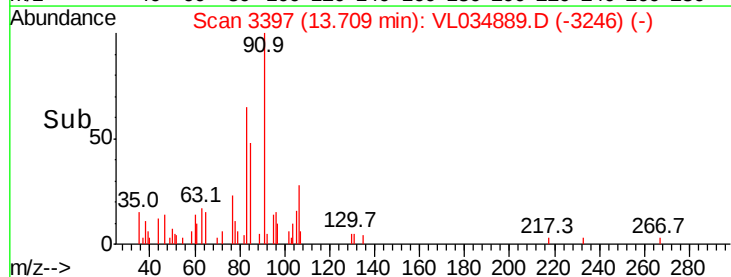
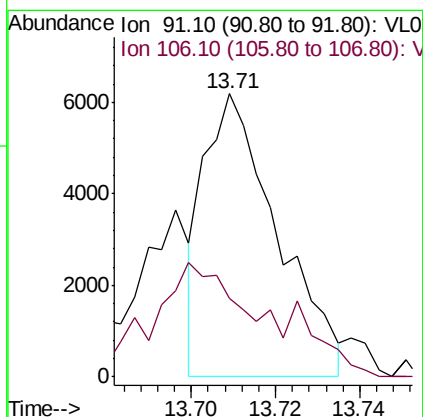
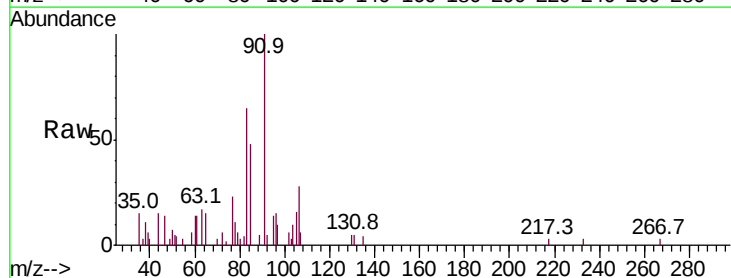
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

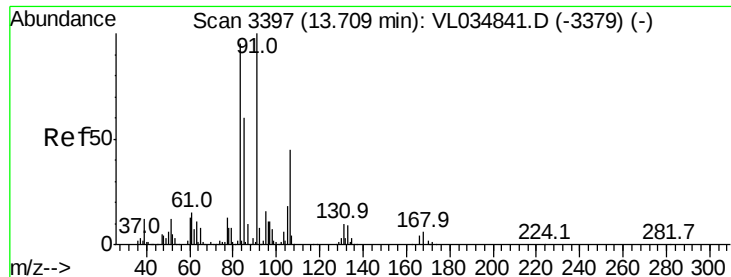
Tot Ion:117 Resp: 2008107
Ion Ratio Lower Upper
117 100
82 69.9 51.1 76.7
119 32.9 27.3 40.9



#60
o-Xylene
Concen: 0.034 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL034889.D
Acq: 16 Mar 2020 14:00

Tgt Ion: 91 Resp: 7459
Ion Ratio Lower Upper
91 100
106 0.0 22.5 67.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.043 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

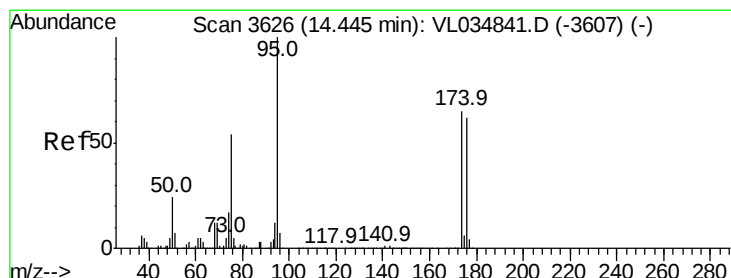
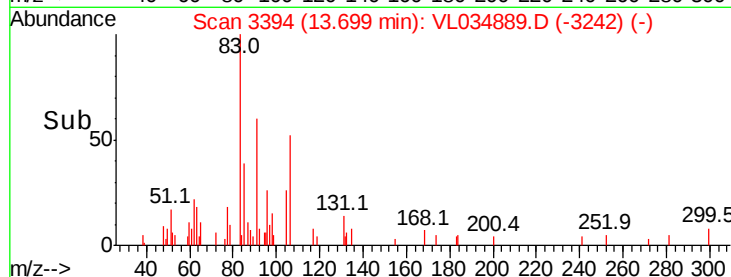
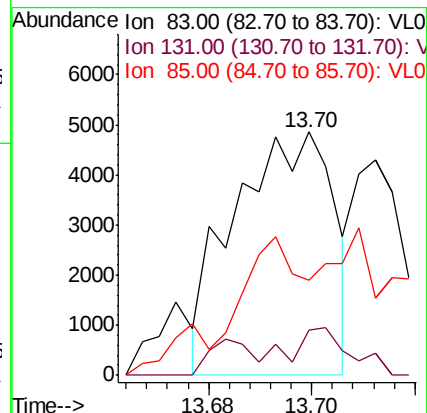
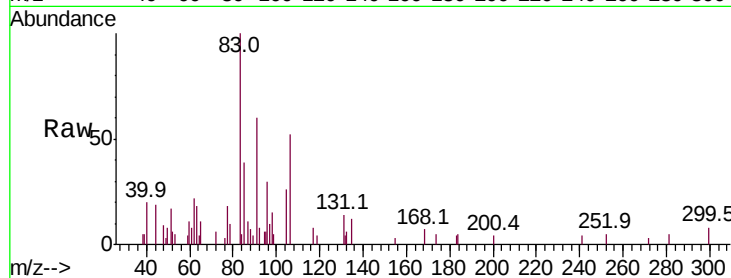
Tot Ion: 83 Resp: 6491

Ion Ratio Lower Upper

83 100

131 20.6 5.0 14.9#

85 0.0 32.4 97.2#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.587 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

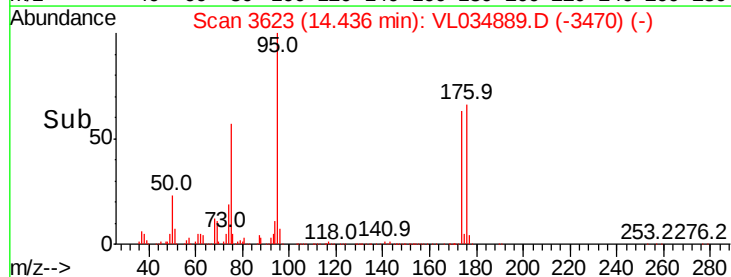
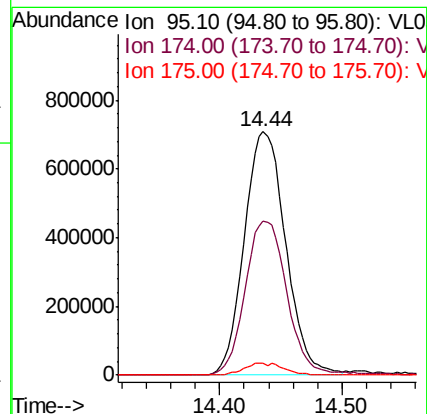
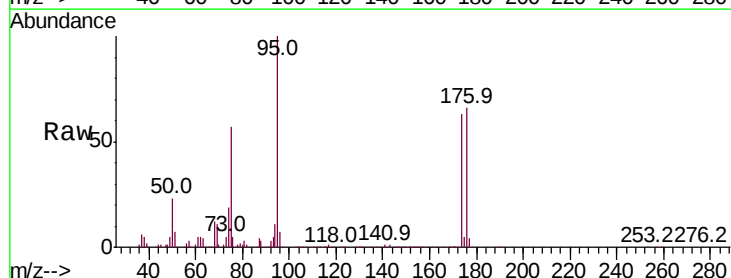
Tgt Ion: 95 Resp: 1658063

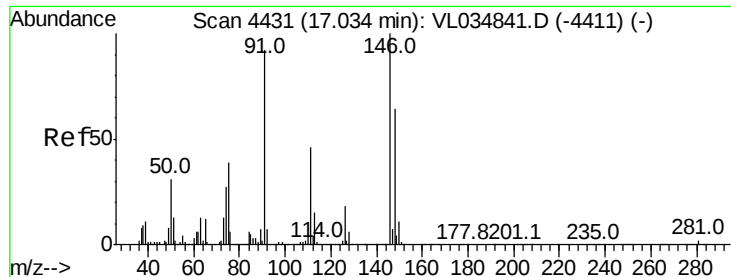
Ion Ratio Lower Upper

95 100

174 65.1 55.2 82.8

175 4.8 4.3 6.5





#75

1,3-Dichlorobenzene

Concen: 0.067 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

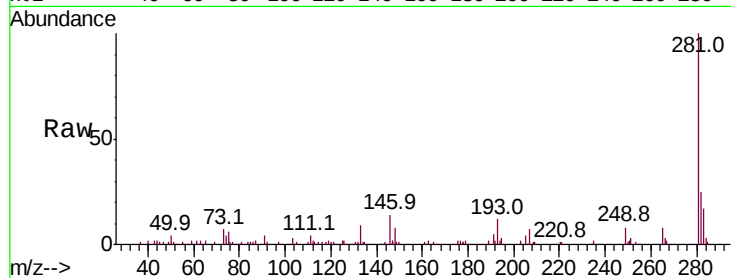
Tot Ion:146 Resp: 10226

Ion Ratio Lower Upper

146 100

111 0.0 23.9 71.7#

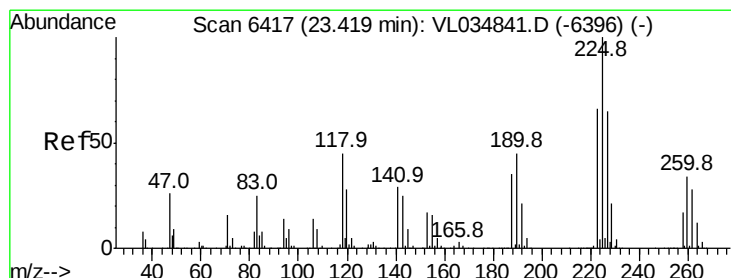
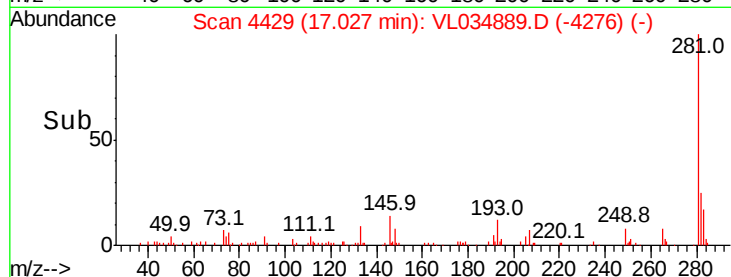
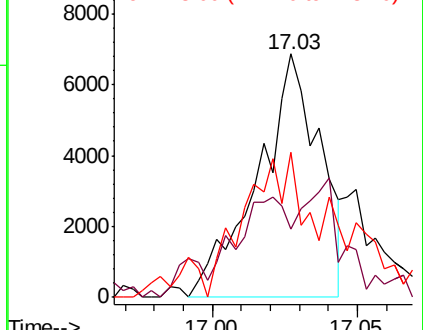
148 98.7 32.5 97.5#



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.068 ppbv

RT: 23.41 min Scan# 6414

Delta R.T. -0.01 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

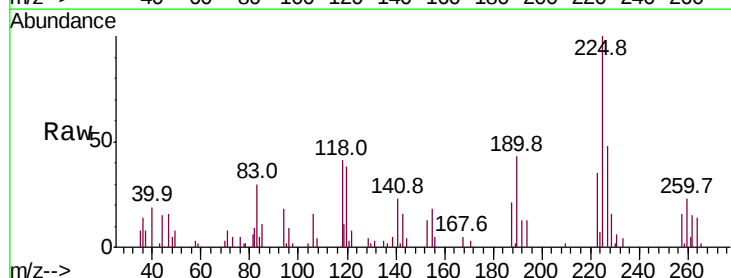
Tgt Ion:225 Resp: 8378

Ion Ratio Lower Upper

225 100

223 0.0 51.1 76.7#

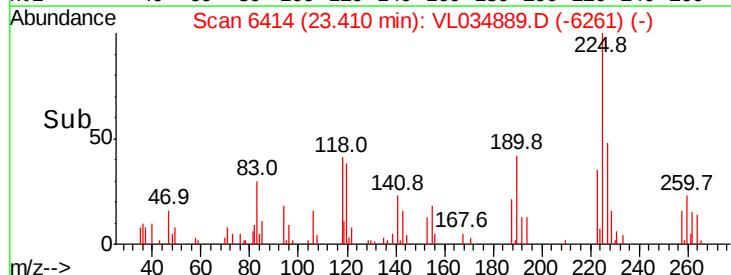
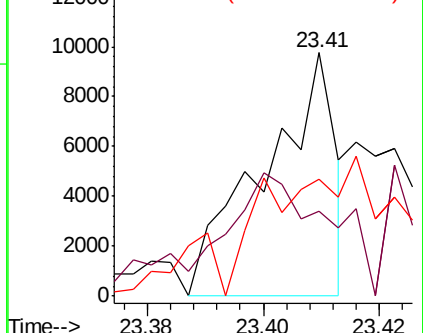
227 0.0 51.8 77.6#

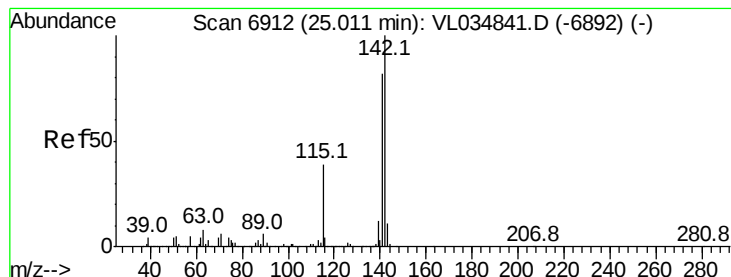


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#80

Naphthalene, 2-methyl-

Concen: 0.129 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL034889.D

Acq: 16 Mar 2020 14:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

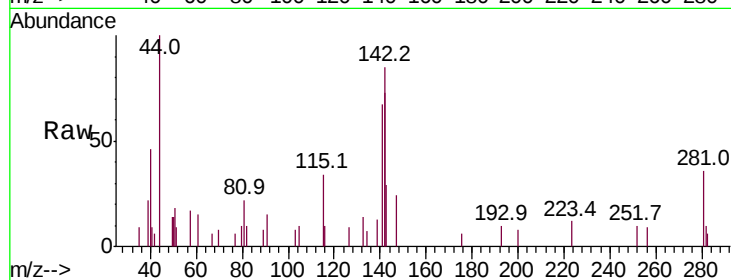
Tot Ion:142 Resp: 6657

Ion Ratio Lower Upper

142 100

141 98.6 68.9 103.3

115 43.6 33.2 49.8



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

