

Data File : VL035319.D
Acq On : 3 Aug 2020 14:51
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Aug 03 15:20:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1409508	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3498308	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3318035	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2823526	10.65	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.50%

Target Compounds

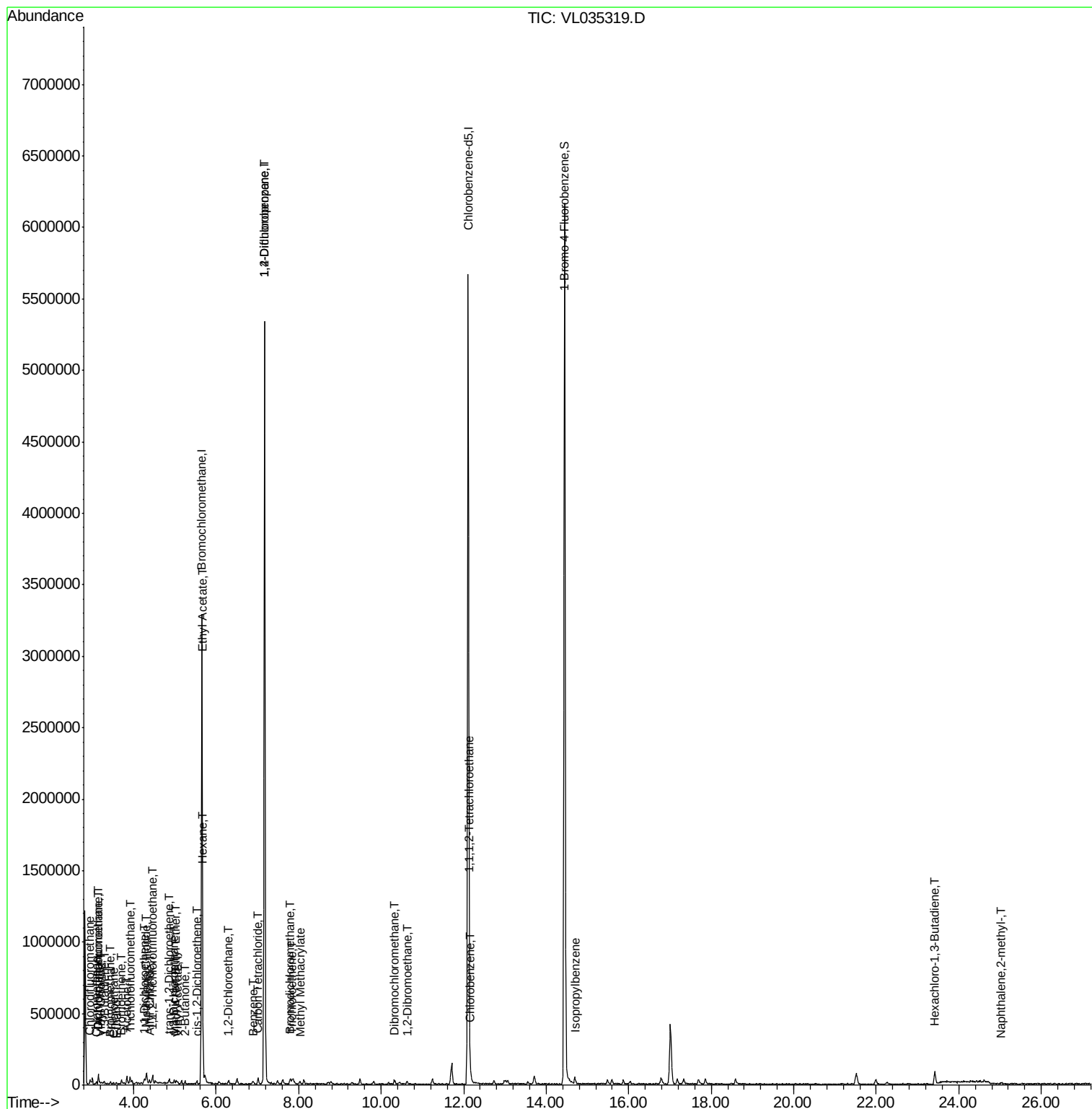
					Qvalue	
2) Dichlorodifluoromethane	3.15	85	13421	0.080	ppbv	96
3) Chlorodifluoromethane	2.94	51	17708	0.113	ppbv #	86
4) Chloromethane	3.09	50	5289	0.060	ppbv #	60
5) Vinyl Chloride	3.21	62	8913	0.097	ppbv #	88
6) Bromomethane	3.43	94	3793	0.067	ppbv #	61
7) Chloroethane	3.52	64	1546	0.047	ppbv #	66
8) Dichlorotetrafluoroethane	3.14	85	10672	0.050	ppbv #	17
11) Trichlorofluoromethane	3.92	101	27754	0.123	ppbv #	79
12) 1,1,2-Trichlorotrifluoroet	4.46	101	6851	0.043	ppbv #	1
13) Ethanol	3.57	45	1494	0.067	ppbv #	39
14) Bromoethene	3.71	108	6094	0.093	ppbv #	79
15) Acetone	3.83	43	43150	0.230	ppbv #	79
16) 1,3-Butadiene	3.29	39	3518	0.048	ppbv #	7
18) 1,1-Dichloroethene	4.27	96	2446	0.034	ppbv	87
20) Methylene Chloride	4.31	84	15337	0.179	ppbv	90
21) Allyl Chloride	4.38	41	9907	0.093	ppbv #	67
22) trans-1,2-Dichloroethene	4.86	96	3778	0.055	ppbv #	16
23) Vinyl Acetate	5.06	43	12153	0.064	ppbv #	43
24) 1,1-Dichloroethane	4.98	63	11787	0.067	ppbv #	93
25) Ethyl Acetate	5.67	43	13079	0.045	ppbv #	48
26) Hexane	5.68	57	6999	0.053	ppbv #	1
28) Methyl tert-Butyl Ether	5.03	73	8390	0.044	ppbv #	51
31) cis-1,2-Dichloroethene	5.54	61	3870	0.034	ppbv #	56
34) 2-Butanone	5.24	43	9721	0.055	ppbv #	51
35) Carbon Tetrachloride	7.02	117	9925	0.042	ppbv #	33
36) Benzene	6.88	78	11376	0.047	ppbv #	86
37) 1,2-Dichloroethane	6.29	62	10871	0.064	ppbv #	84
38) Trichloroethene	7.84	130	3998	0.040	ppbv #	63
39) 1,2-Dichloropropane	7.18	63	959032	9.887	ppbv #	23
42) Bromodichloromethane	7.79	83	17170	0.076	ppbv	97
43) Methyl Methacrylate	8.02	69	3234	0.031	ppbv #	1
48) Dibromochloromethane	10.32	129	6409	0.036	ppbv #	1
54) 1,2-Dibromoethane	10.63	107	10210	0.062	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.14	131	4845	0.032	ppbv #	1
57) Chlorobenzene	12.17	112	8386	0.034	ppbv #	91
62) Isopropylbenzene	14.69	105	16803	0.035	ppbv #	59
78) Hexachloro-1,3-Butadiene	23.41	225	7063	0.036	ppbv #	18
80) Naphthalene,2-methyl-	25.02	142	3481	0.032	ppbv	88

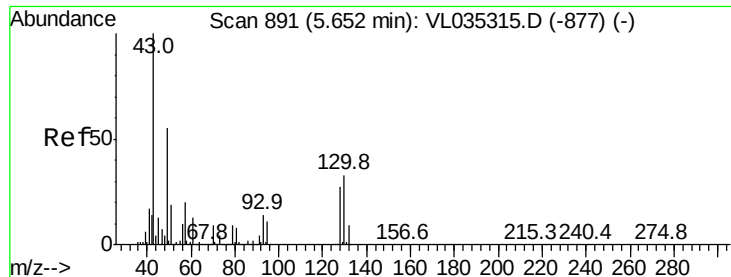
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VL035319.D
Acq On : 3 Aug 2020 14:51
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Aug 03 15:20:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 03 15:02:12 2020
QLast Update : Mon Aug 03 15:02:12 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

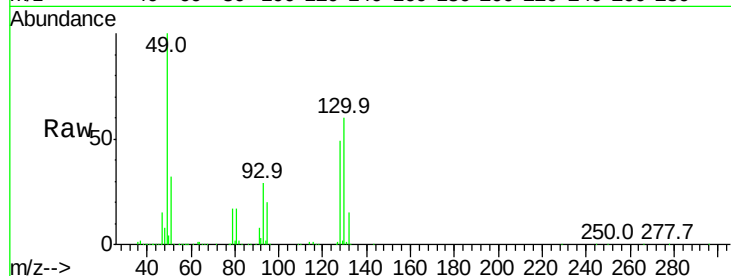
Tgt Ion: 49 Resp: 1409508

Ion Ratio Lower Upper

49 100

128 51.2 23.8 71.5

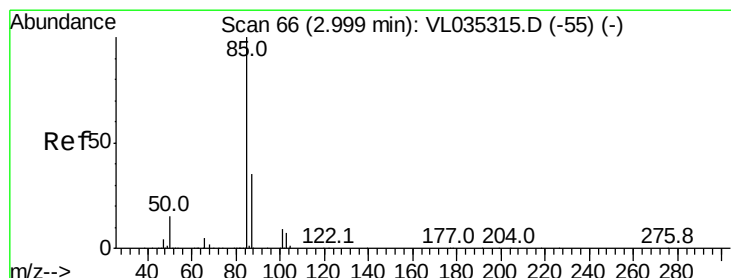
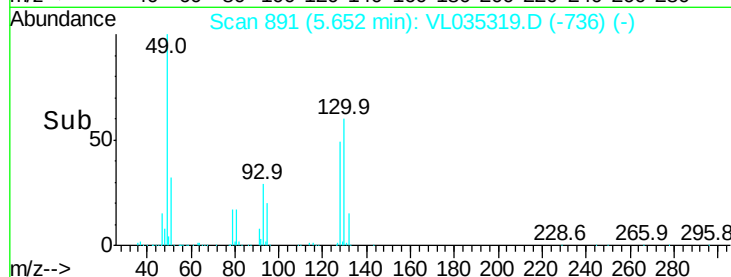
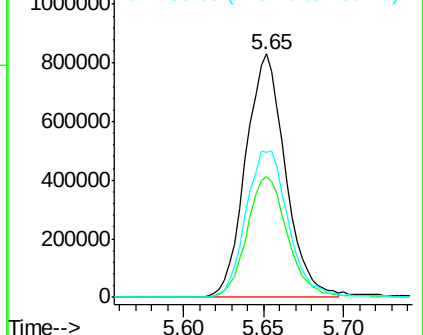
130 64.8 31.4 94.3



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: 0.080 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.15 min

Lab File: VL035319.D

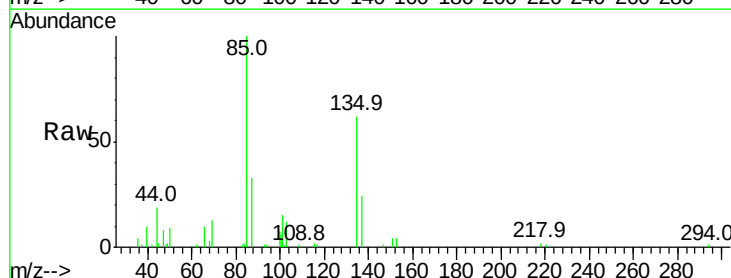
Acq: 3 Aug 2020 14:51

Tgt Ion: 85 Resp: 13421

Ion Ratio Lower Upper

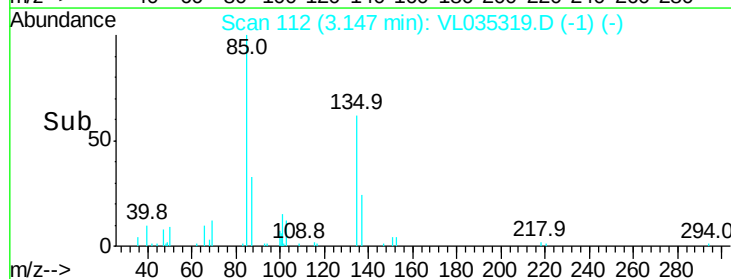
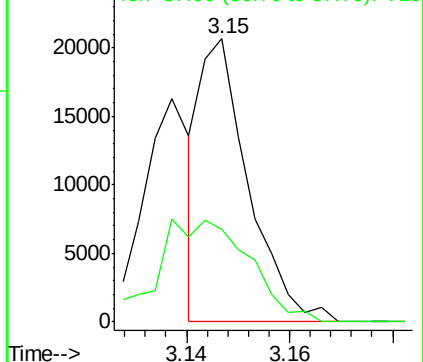
85 100

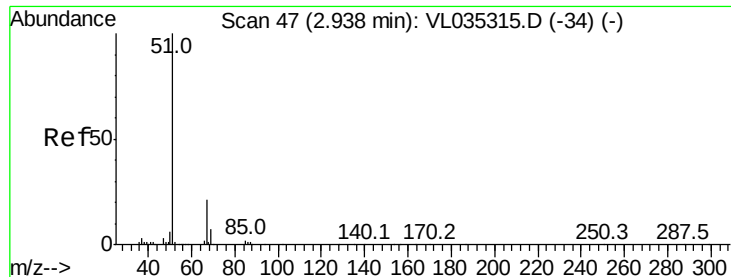
87 32.5 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.113 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

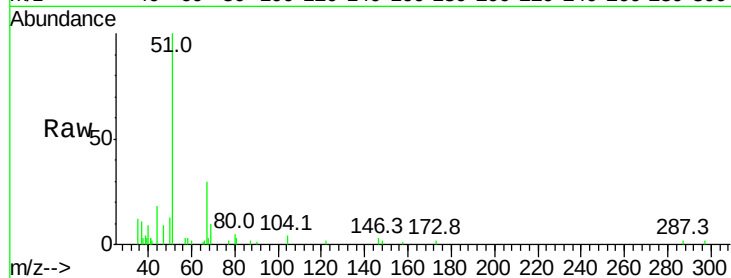
VSTDIC0.1

Tgt Ion: 51 Resp: 17708

Ion Ratio Lower Upper

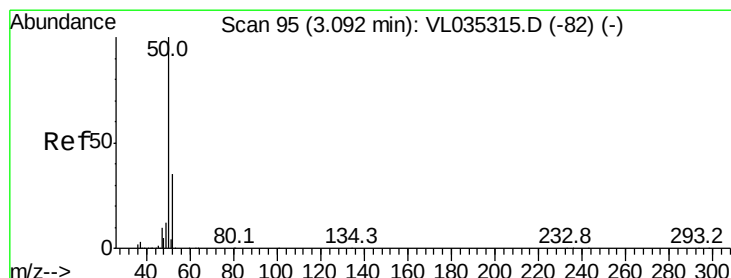
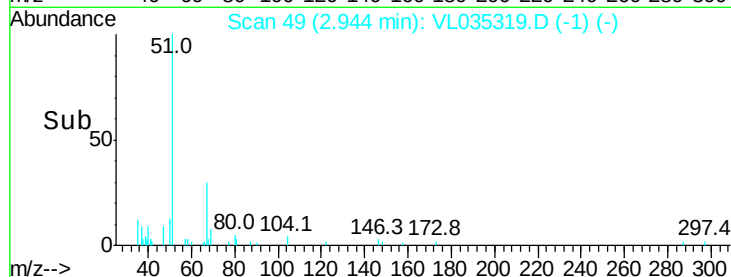
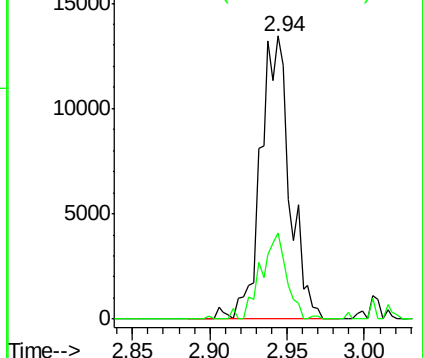
51 100

67 26.8 16.2 24.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.060 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035319.D

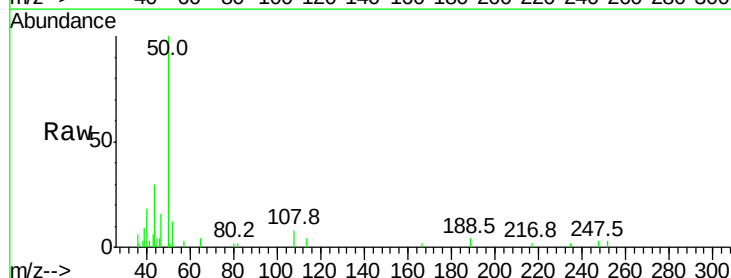
Acq: 3 Aug 2020 14:51

Tgt Ion: 50 Resp: 5289

Ion Ratio Lower Upper

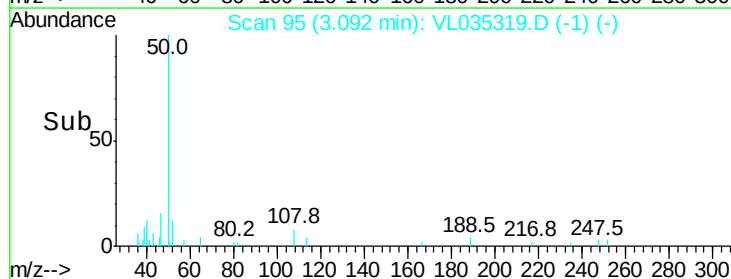
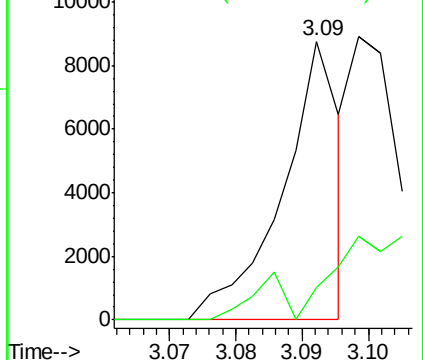
50 100

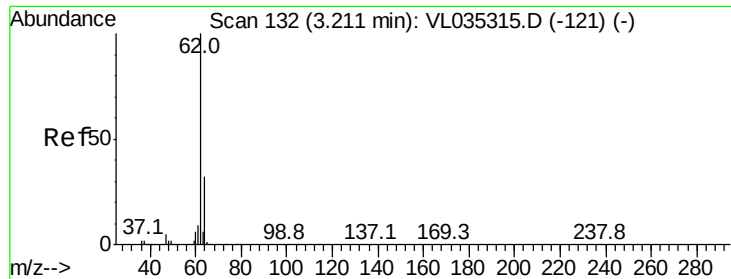
52 11.7 27.8 41.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.097 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

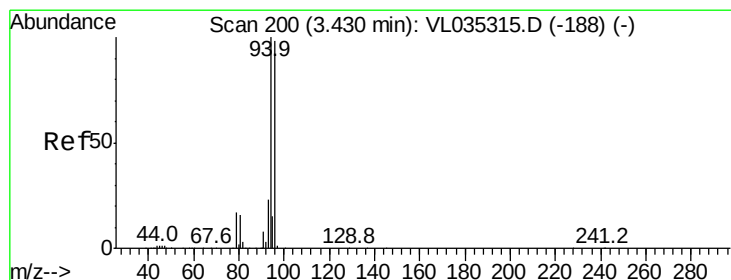
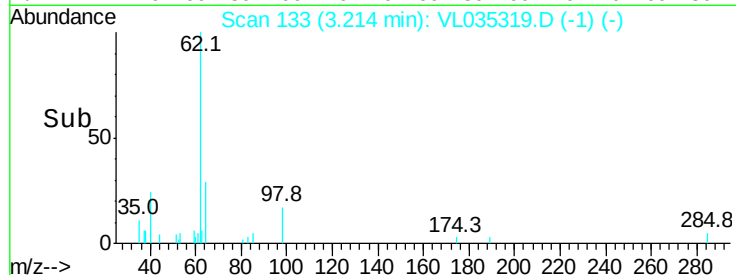
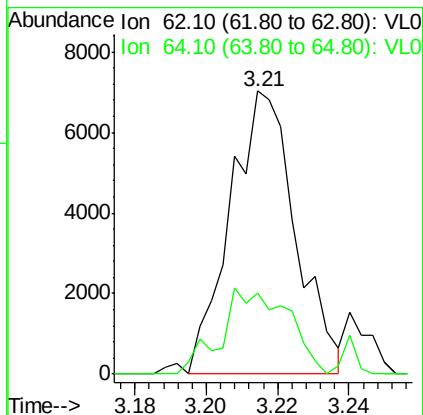
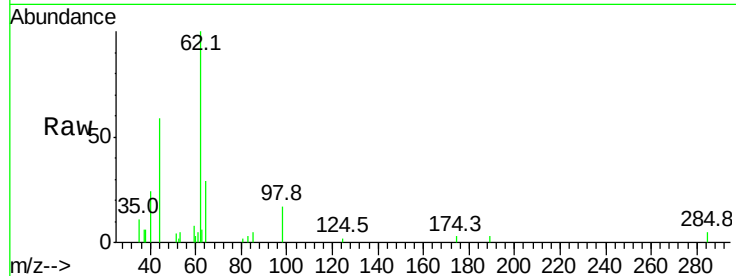
VSTDIC0.1

Tgt Ion: 62 Resp: 8913

Ion Ratio Lower Upper

62 100

64 25.7 25.9 38.9#



#6

Bromomethane

Concen: 0.067 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.00 min

Lab File: VL035319.D

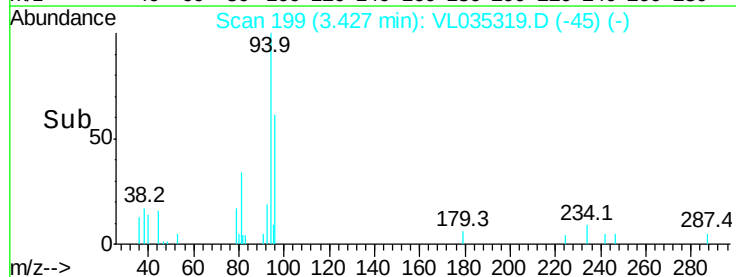
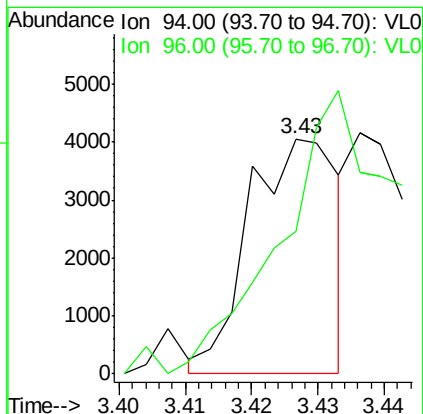
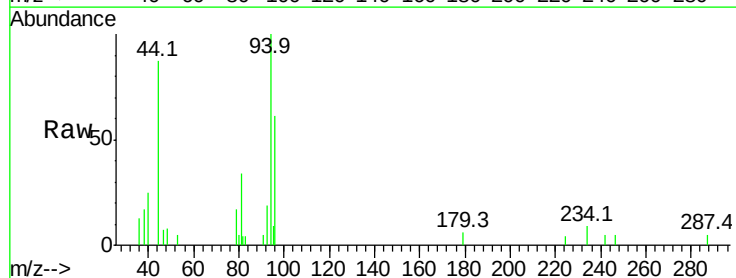
Acq: 3 Aug 2020 14:51

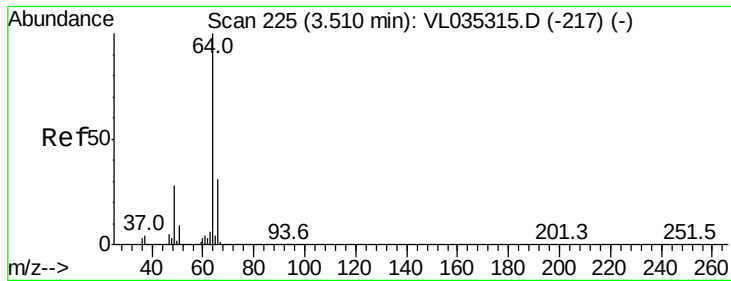
Tgt Ion: 94 Resp: 3793

Ion Ratio Lower Upper

94 100

96 59.3 78.6 117.8#





#7

Chloroethane

Concen: 0.047 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

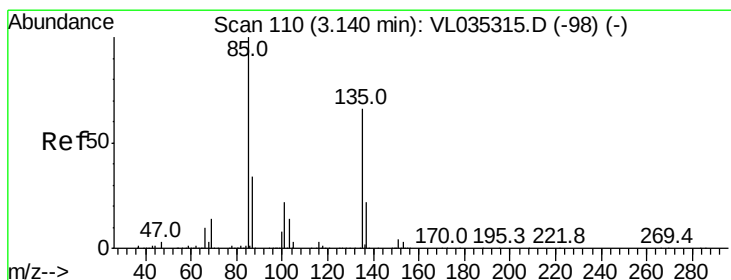
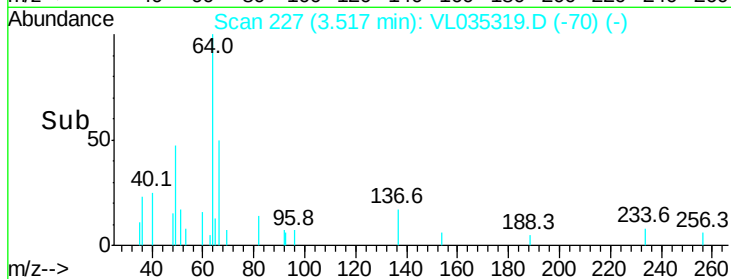
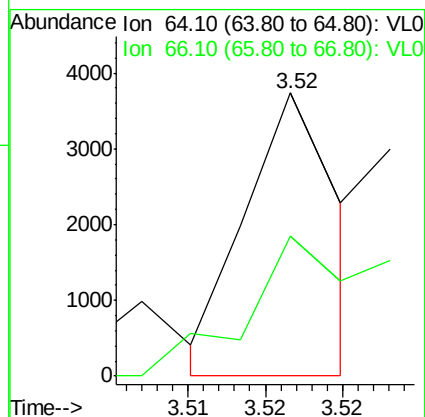
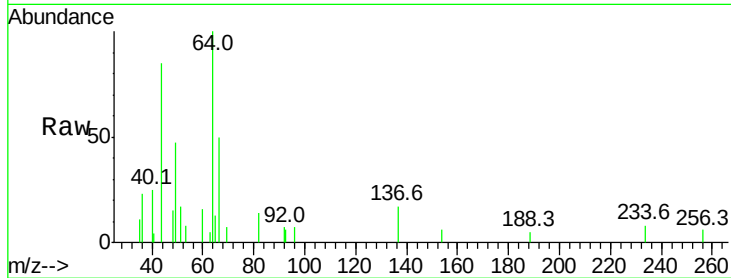
VSTDIC0.1

Tgt Ion: 64 Resp: 1546

Ion Ratio Lower Upper

64 100

66 49.6 24.9 37.3#



#8

Dichlorotetrafluoroethane

Concen: 0.050 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL035319.D

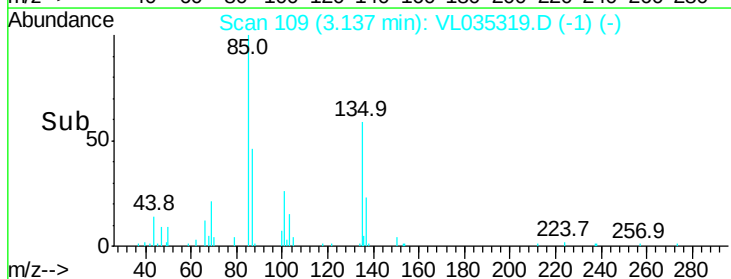
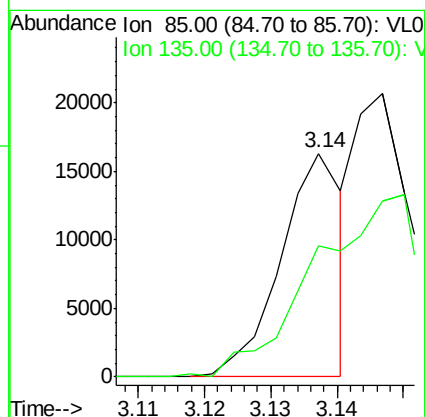
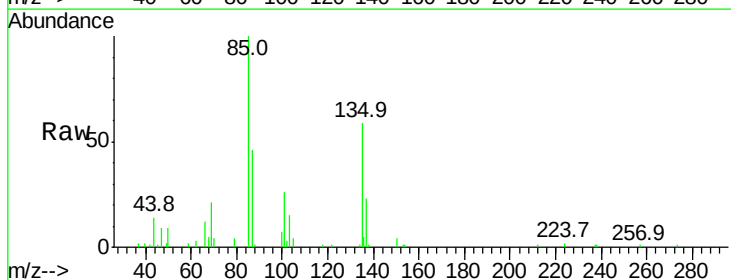
Acq: 3 Aug 2020 14:51

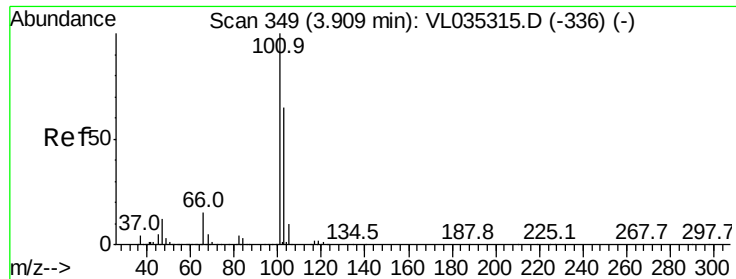
Tgt Ion: 85 Resp: 10672

Ion Ratio Lower Upper

85 100

135 0.0 53.4 80.0#





#11

Trichlorofluoromethane

Concen: 0.123 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

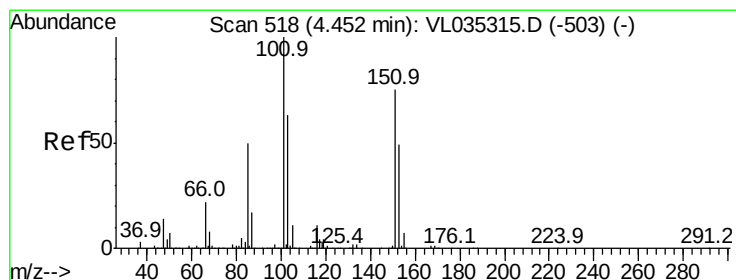
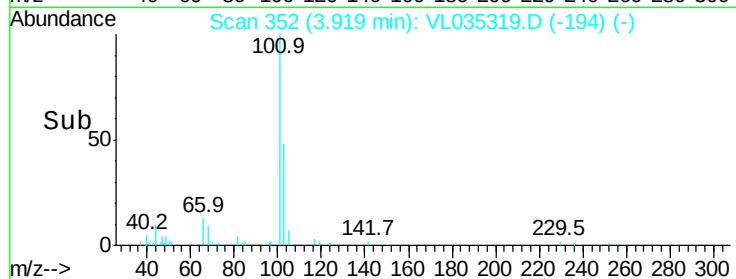
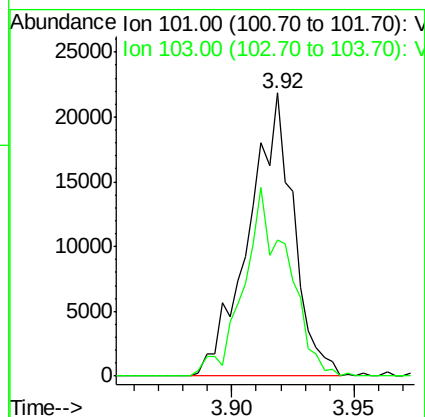
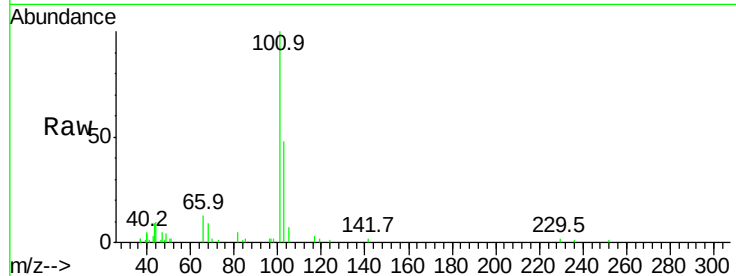
VSTDIC0.1

Tgt Ion:101 Resp: 27754

Ion Ratio Lower Upper

101 100

103 48.1 51.8 77.6#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.043 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.01 min

Lab File: VL035319.D

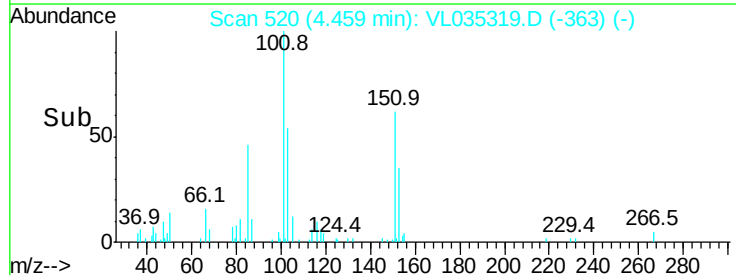
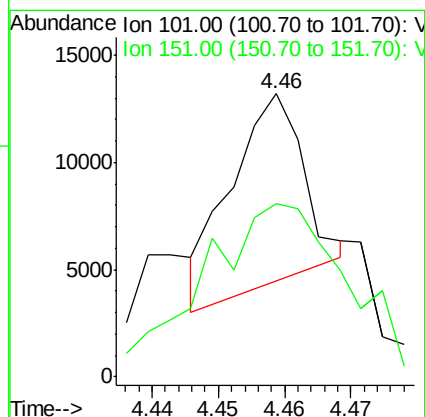
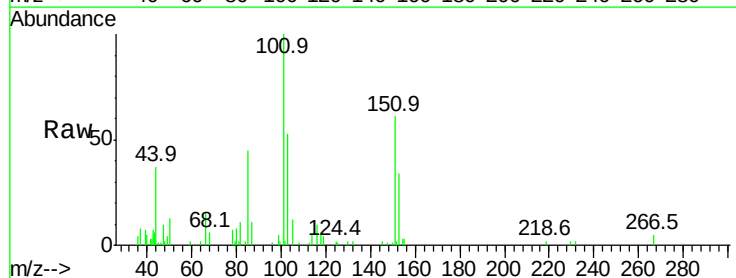
Acq: 3 Aug 2020 14:51

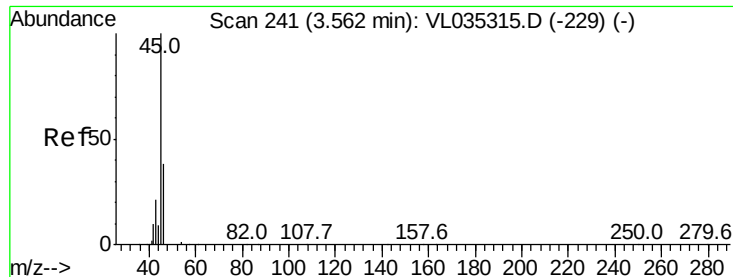
Tgt Ion:101 Resp: 6851

Ion Ratio Lower Upper

101 100

151 191.5 58.9 88.3#

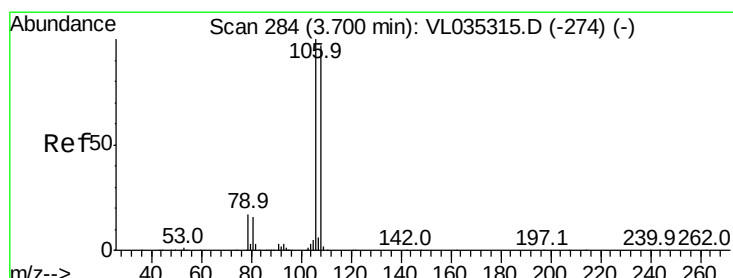
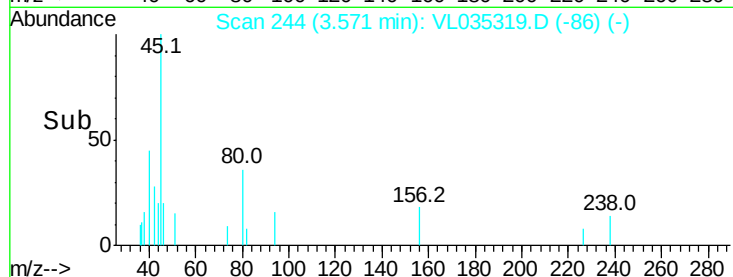
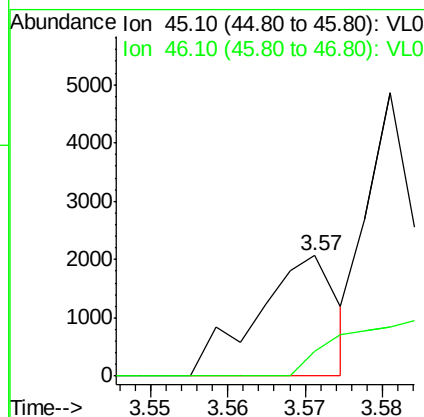
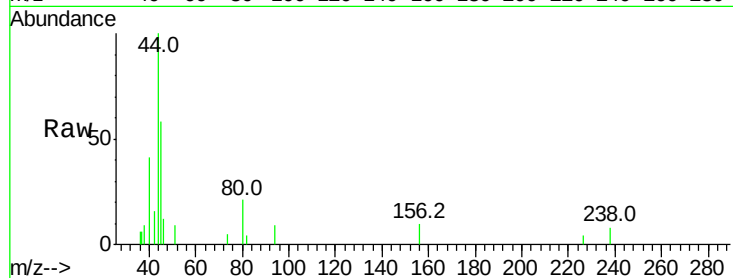




#13
 Ethanol
 Concen: 0.067 ppbv
 RT: 3.57 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

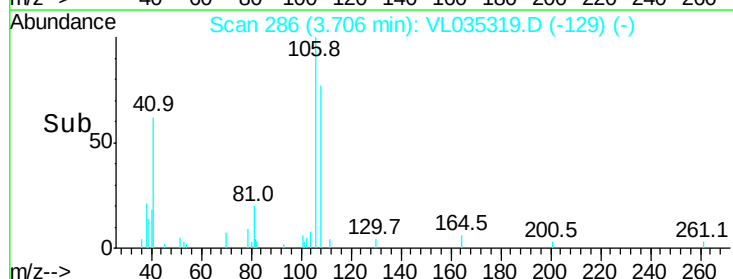
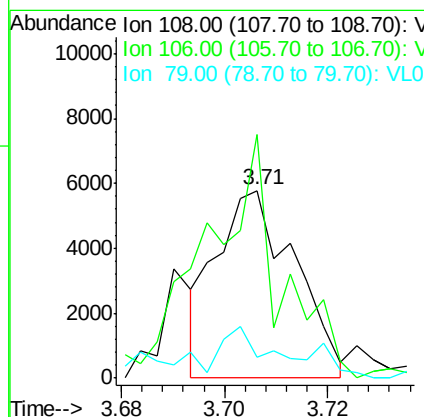
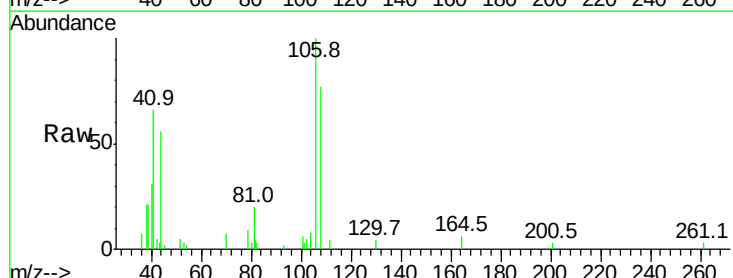
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

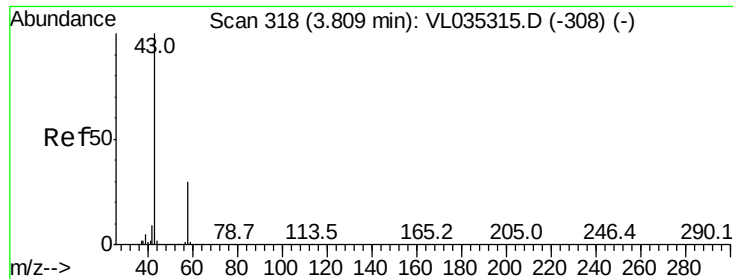
Tgt Ion: 45 Resp: 1494
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.5 57.9#



#14
 Bromoethene
 Concen: 0.093 ppbv
 RT: 3.71 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion: 108 Resp: 6094
 Ion Ratio Lower Upper
 108 100
 106 125.8 86.2 129.2
 79 36.4 14.0 21.0#





#15

Acetone

Concen: 0.230 ppbv

RT: 3.83 min Scan# 326

Delta R.T. 0.03 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

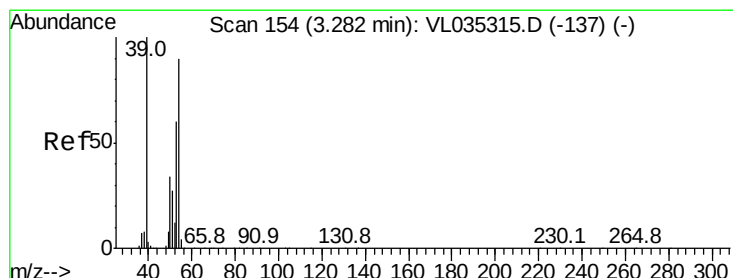
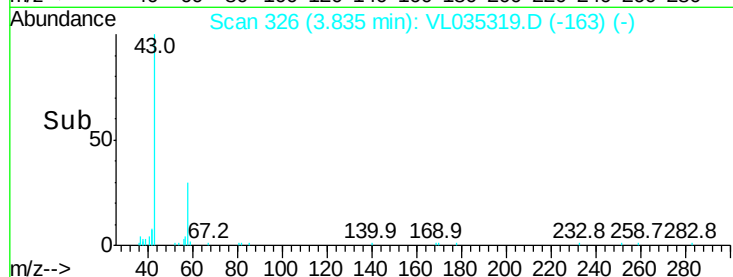
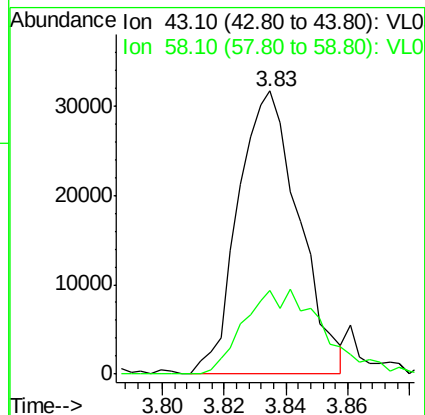
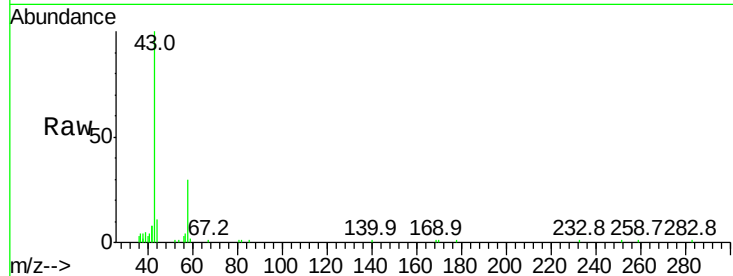
VSTDIC0.1

Tgt Ion: 43 Resp: 43150

Ion Ratio Lower Upper

43 100

58 38.8 22.1 33.1#



#16

1,3-Butadiene

Concen: 0.048 ppbv

RT: 3.29 min Scan# 155

Delta R.T. 0.00 min

Lab File: VL035319.D

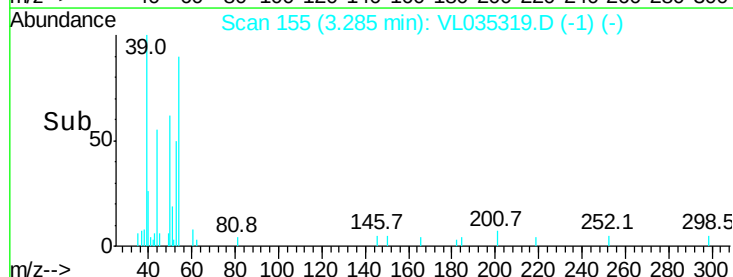
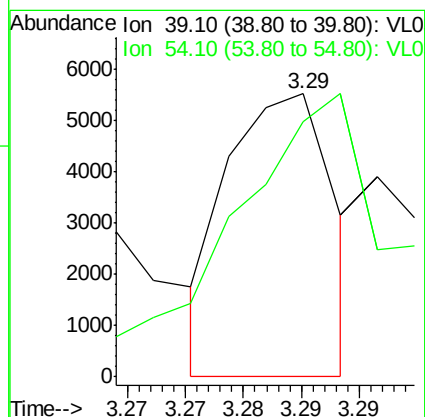
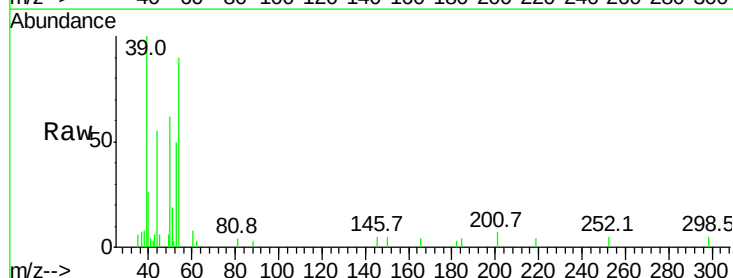
Acq: 3 Aug 2020 14:51

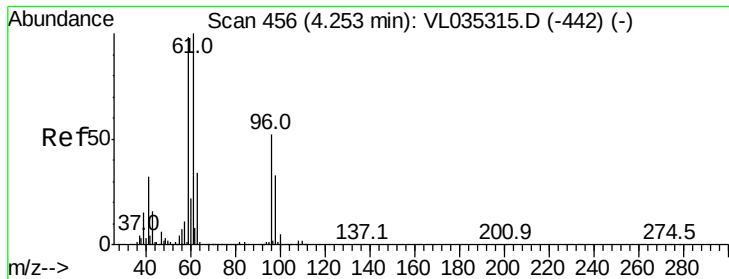
Tgt Ion: 39 Resp: 3518

Ion Ratio Lower Upper

39 100

54 0.0 68.0 102.0#

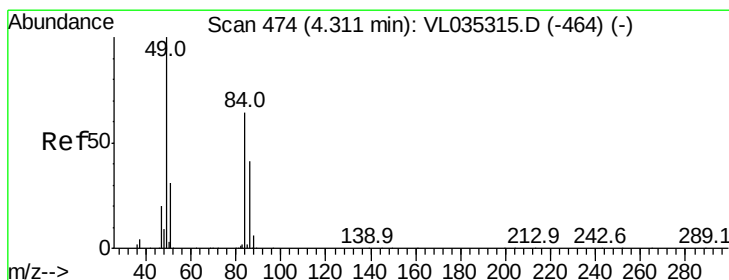
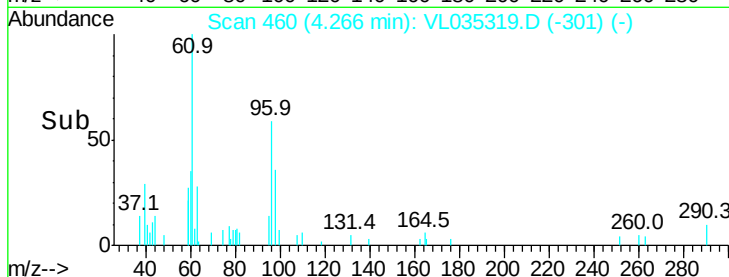
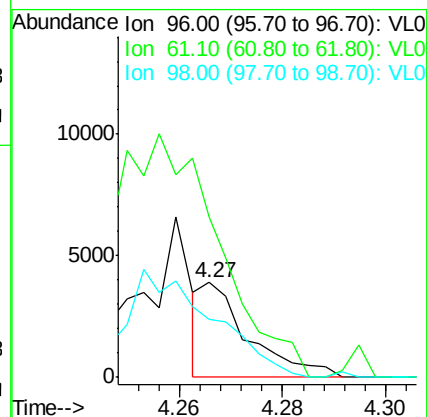
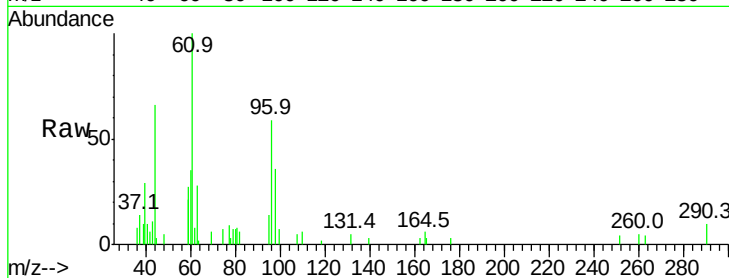




#18
 1,1-Dichloroethene
 Concen: 0.034 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

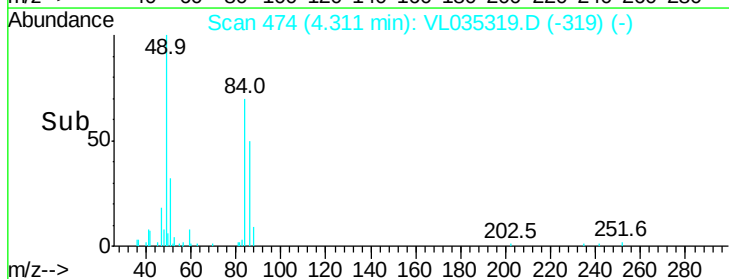
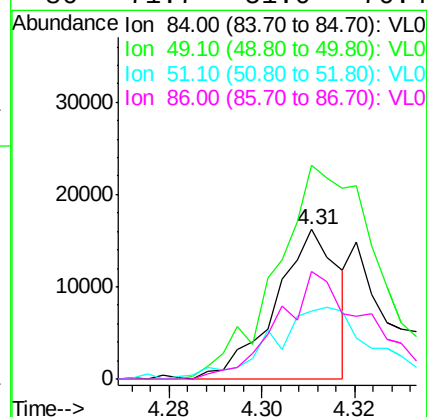
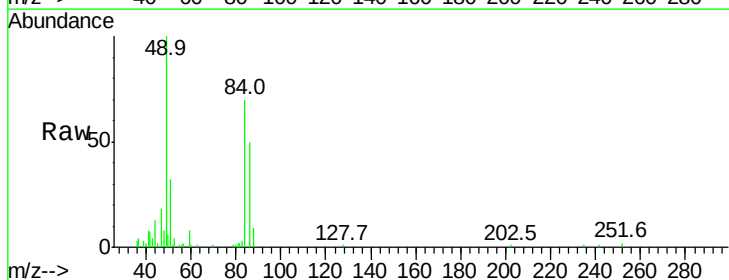
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

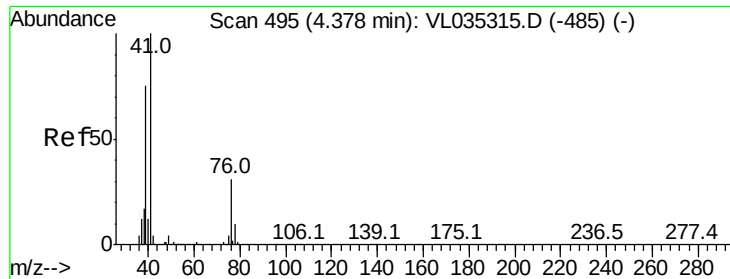
Tgt Ion: 96 Resp: 2446
 Ion Ratio Lower Upper
 96 100
 61 174.4 154.9 232.3
 98 54.7 51.0 76.4



#20
 Methylene Chloride
 Concen: 0.179 ppbv
 RT: 4.31 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion: 84 Resp: 15337
 Ion Ratio Lower Upper
 84 100
 49 141.5 124.2 186.2
 51 43.4 38.6 58.0
 86 71.7 51.0 76.4

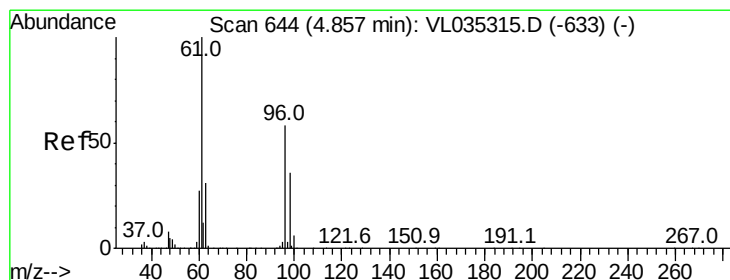
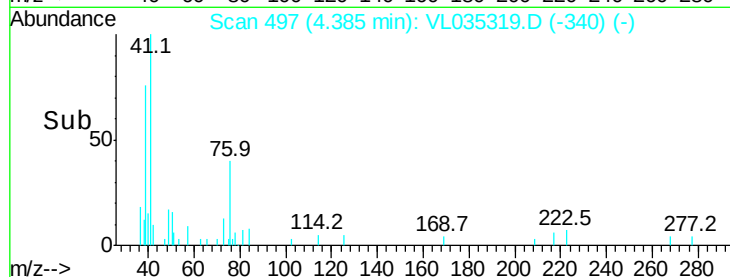
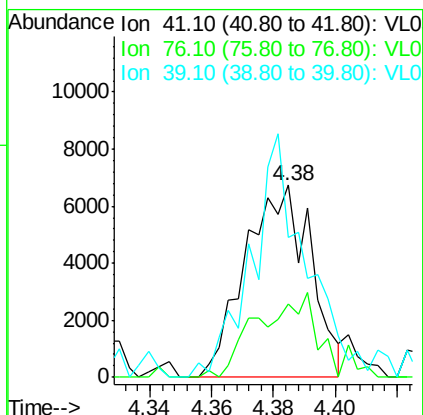
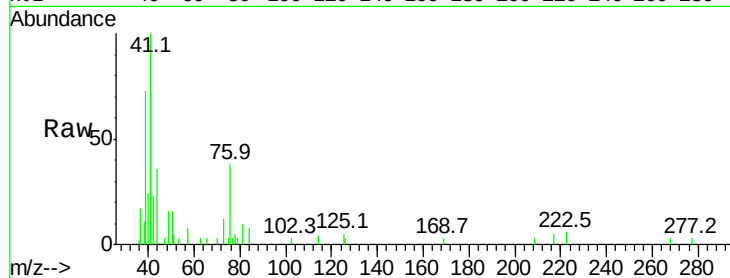




#21
 Allyl Chloride
 Concen: 0.093 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

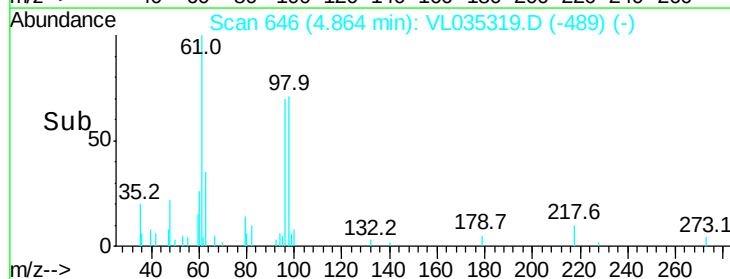
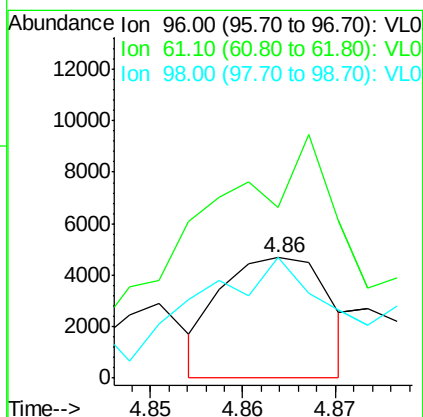
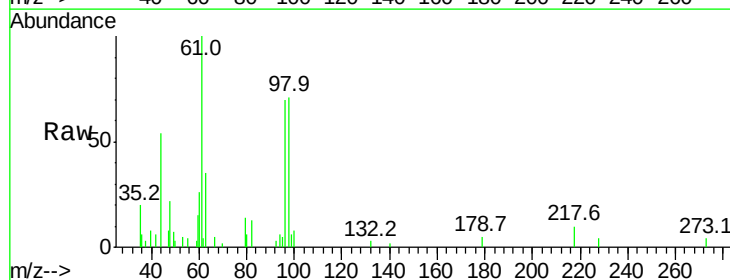
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

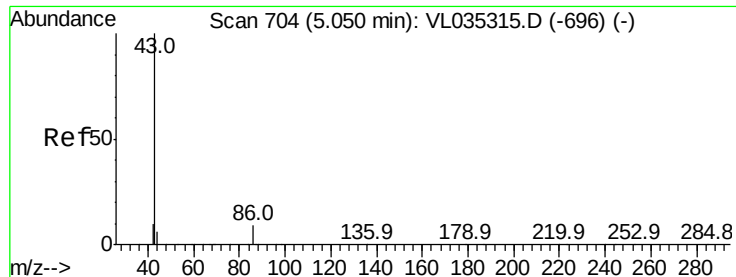
Tgt Ion: 41 Resp: 9907
 Ion Ratio Lower Upper
 41 100
 76 43.1 24.4 36.6#
 39 109.2 61.8 92.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.055 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion: 96 Resp: 3778
 Ion Ratio Lower Upper
 96 100
 61 19.4 136.8 205.2#
 98 68.6 49.2 73.8

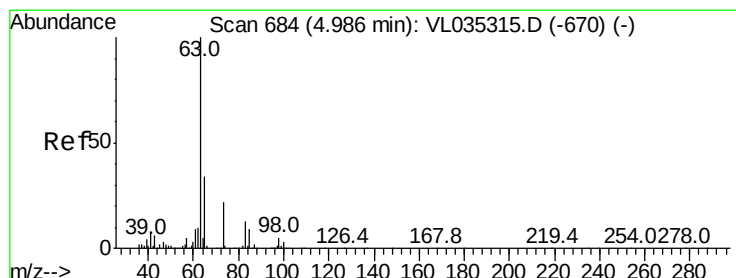
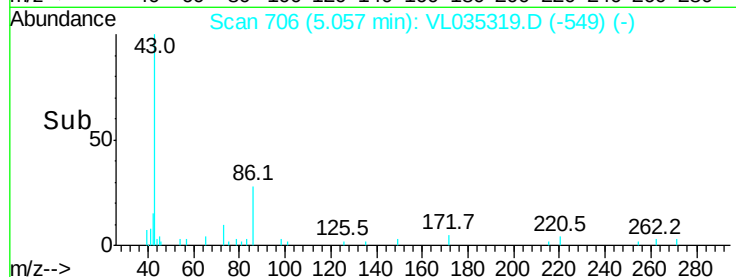
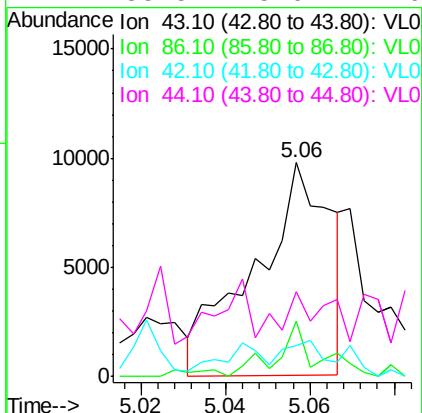
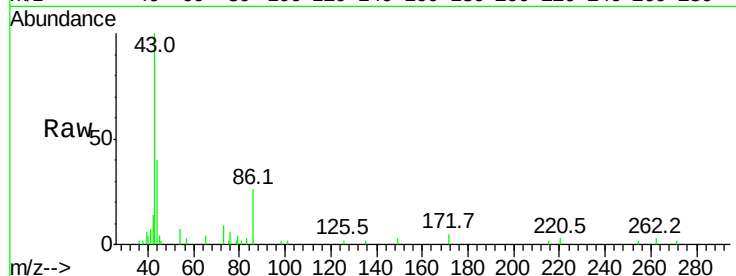




#23
 Vinyl Acetate
 Concen: 0.064 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

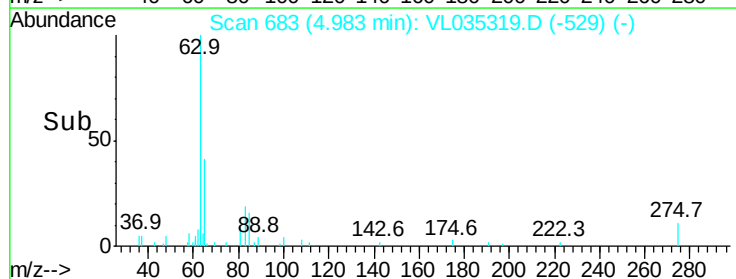
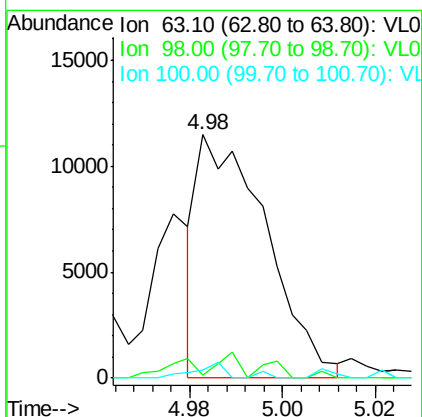
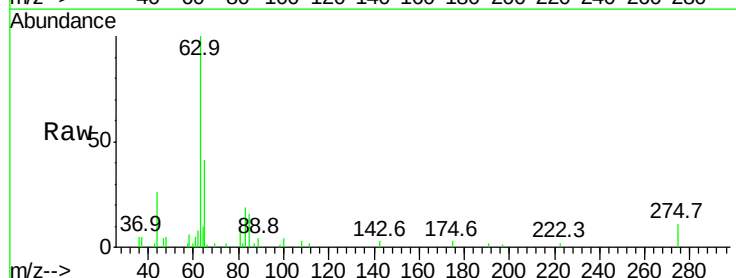
Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC0.1

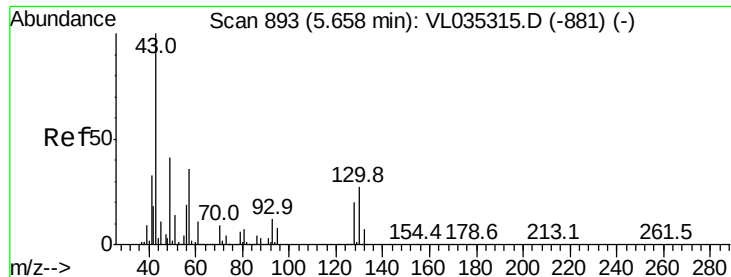
Tgt Ion:	43	Resp:	12153
Ion	Ratio	Lower	Upper
43	100		
86	37.7	6.5	9.7#
42	18.4	8.2	12.4#
44	33.5	5.0	7.6#



#24
 1,1-Dichloroethane
 Concen: 0.067 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion:	63	Resp:	11787
Ion	Ratio	Lower	Upper
63	100		
98	1.5	2.5	7.5#
100	2.2	1.5	4.4

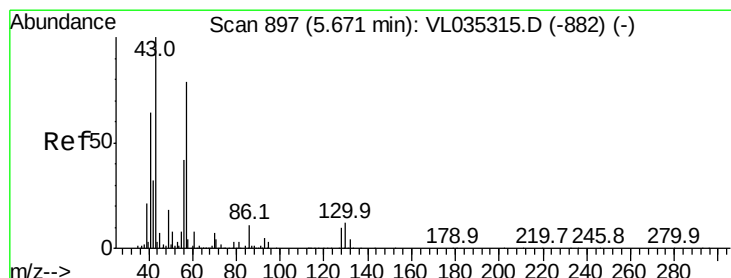
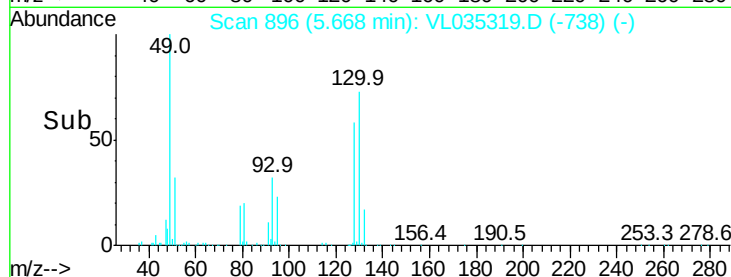
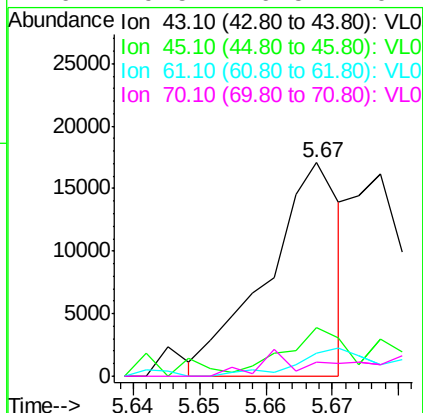
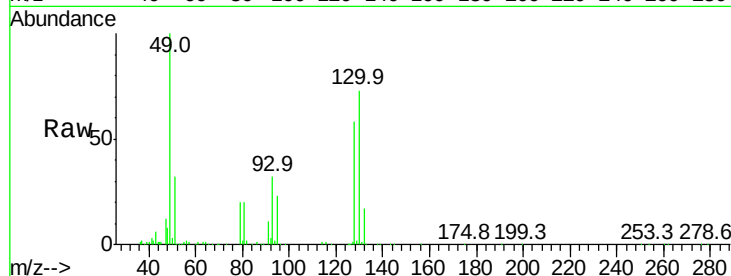




#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL035319.D
Acq: 3 Aug 2020 14:51

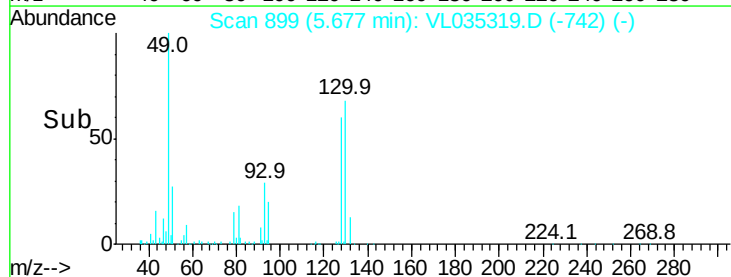
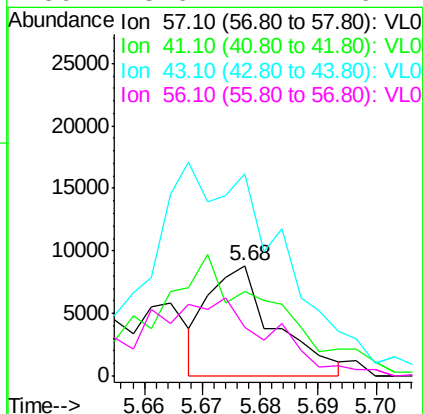
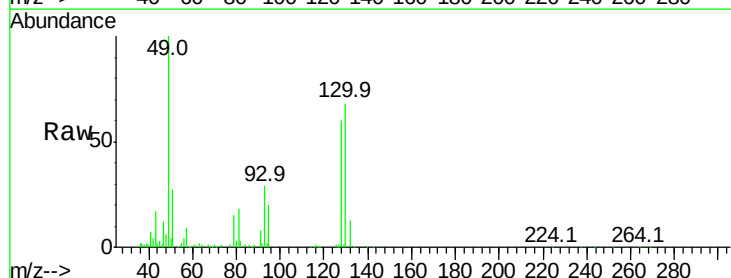
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

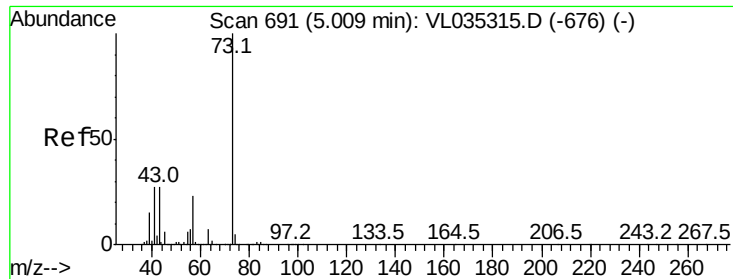
Tgt Ion:	43	Resp:	13079
Ion	Ratio	Lower	Upper
43	100		
45	42.8	8.6	12.8#
61	21.9	8.1	12.1#
70	19.5	6.5	9.7#



#26
Hexane
Concen: 0.053 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035319.D
Acq: 3 Aug 2020 14:51

Tgt Ion:	57	Resp:	6999
Ion	Ratio	Lower	Upper
57	100		
41	205.1	72.1	108.1#
43	415.8	179.0	268.6#
56	143.6	42.7	64.1#



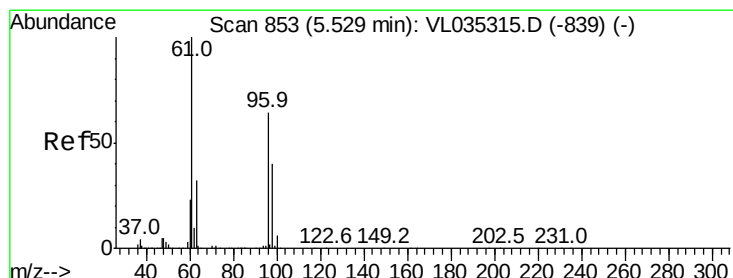
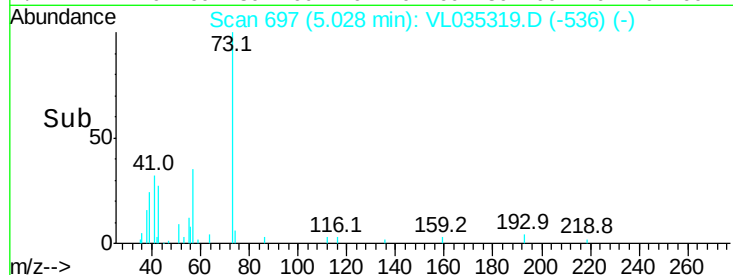
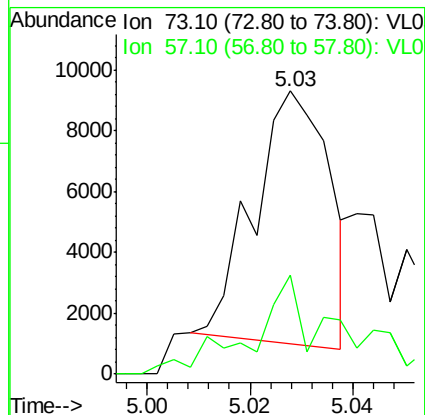
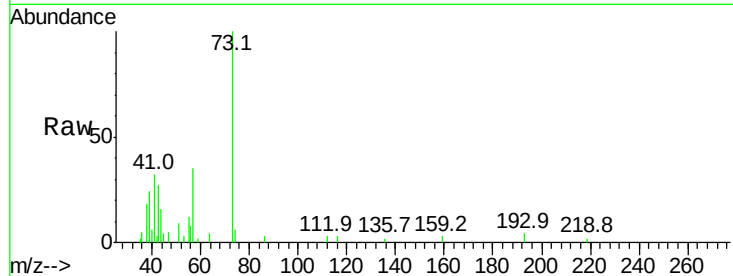


#28

Methyl tert-Butyl Ether
 Concen: 0.044 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T. 0.02 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

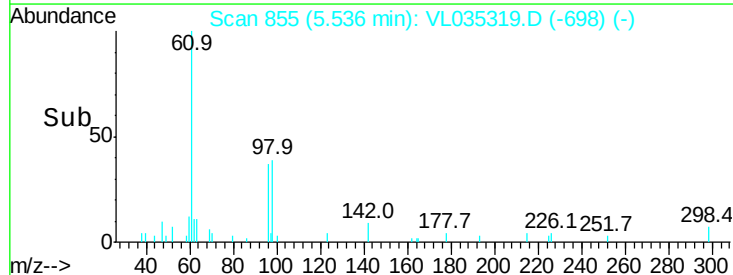
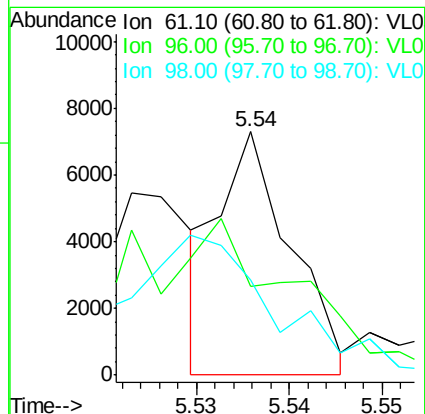
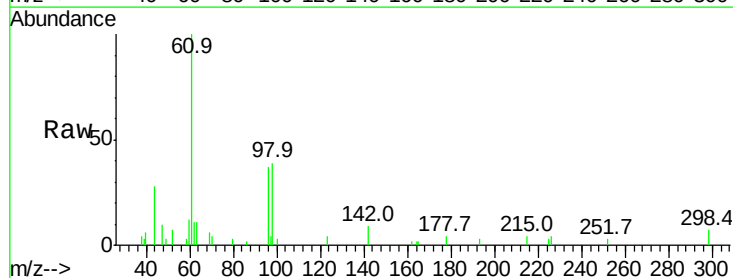
Tgt Ion: 73 Resp: 8390
 Ion Ratio Lower Upper
 73 100
 57 46.1 18.2 27.2#

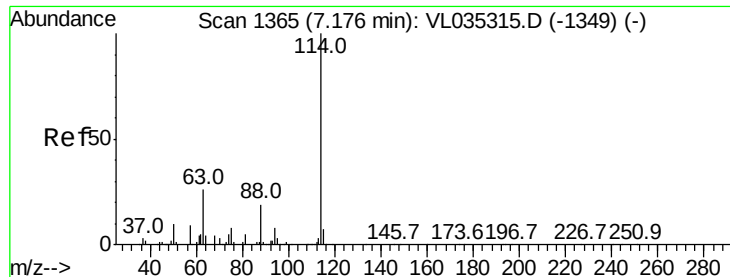


#31

cis-1,2-Dichloroethene
 Concen: 0.034 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion: 61 Resp: 3870
 Ion Ratio Lower Upper
 61 100
 96 13.5 51.4 77.2#
 98 33.0 32.2 48.4

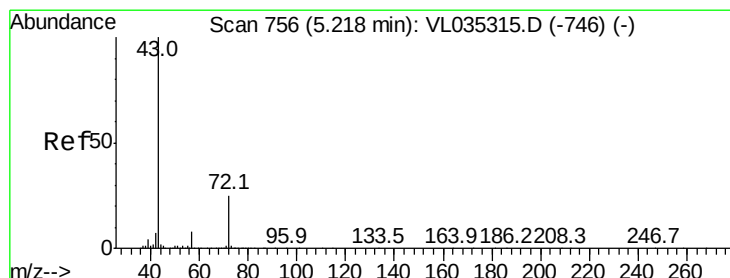
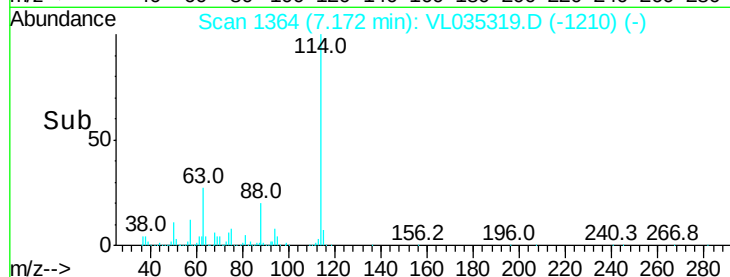
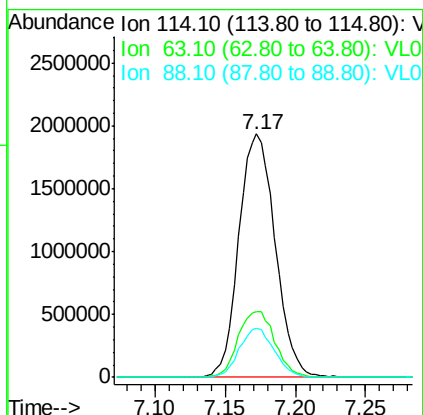
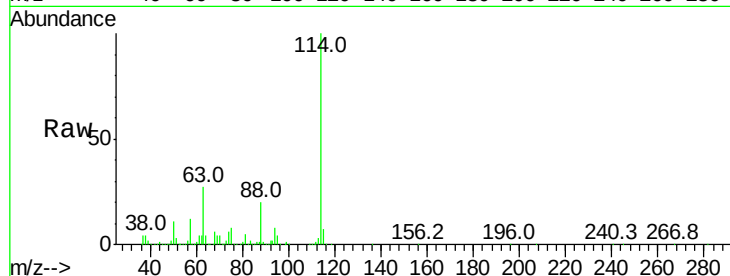




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

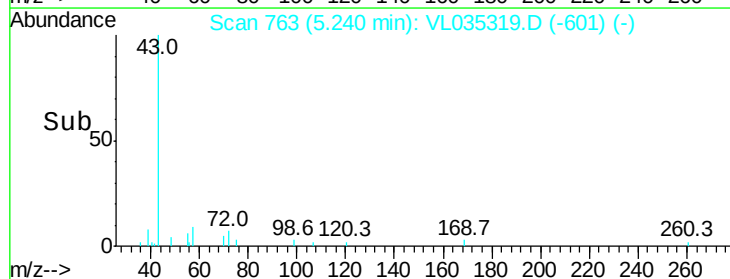
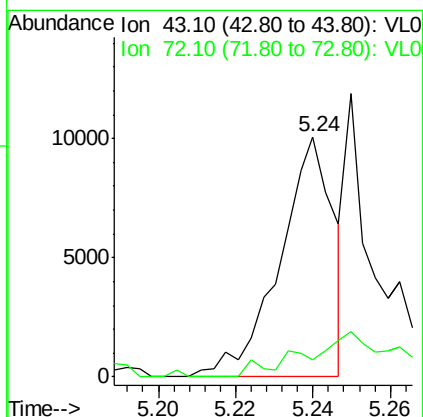
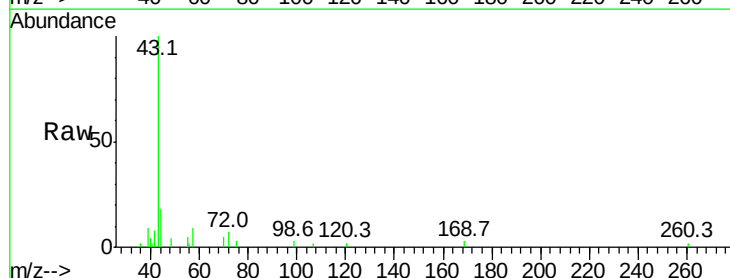
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

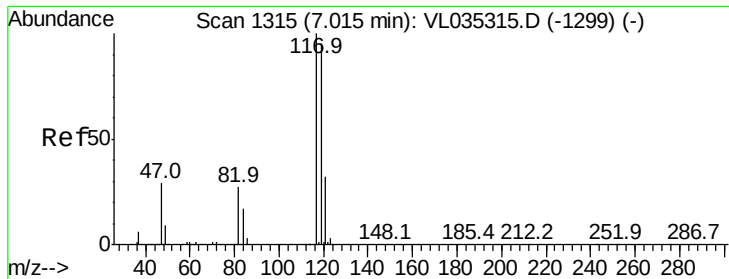
Tgt Ion:114 Resp: 3498308
 Ion Ratio Lower Upper
 114 100
 63 27.6 21.5 32.3
 88 19.5 15.3 22.9



#34
 2-Butanone
 Concen: 0.055 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.02 min
 Lab File: VL035319.D
 Acq: 3 Aug 2020 14:51

Tgt Ion: 43 Resp: 9721
 Ion Ratio Lower Upper
 43 100
 72 0.0 19.2 28.8#





#35

Carbon Tetrachloride

Concen: 0.042 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

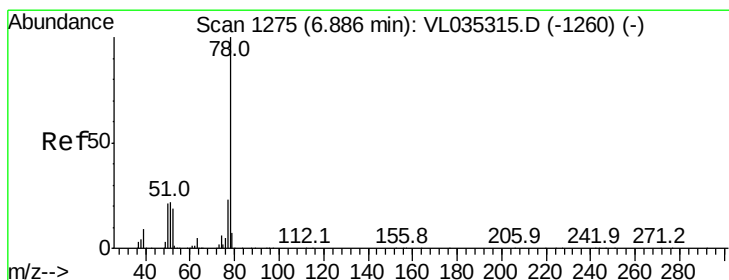
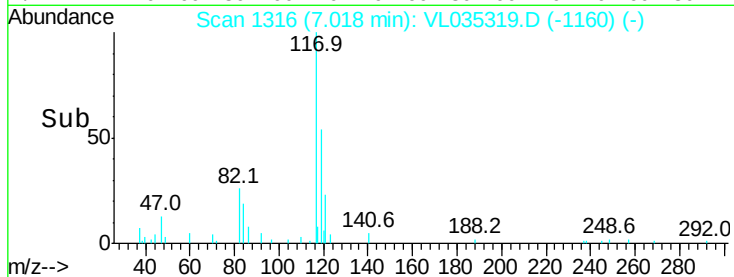
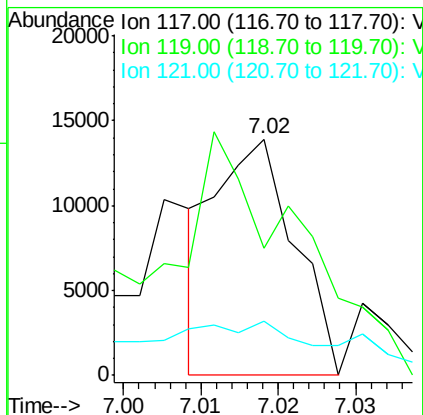
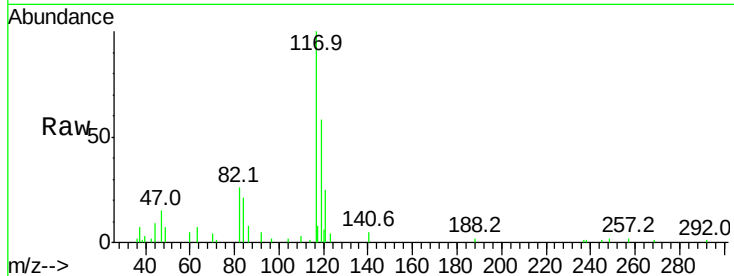
Tgt Ion:117 Resp: 9925

Ion Ratio Lower Upper

117 100

119 21.2 76.1 114.1#

121 10.4 25.6 38.4#



#36

Benzene

Concen: 0.047 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

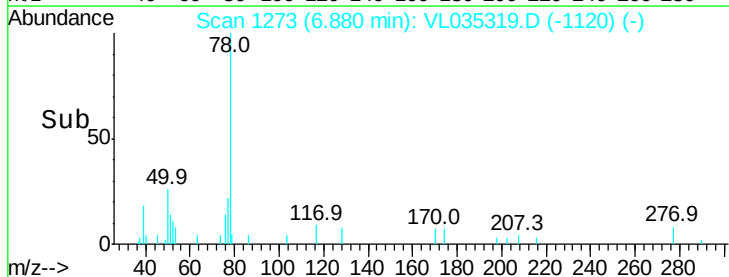
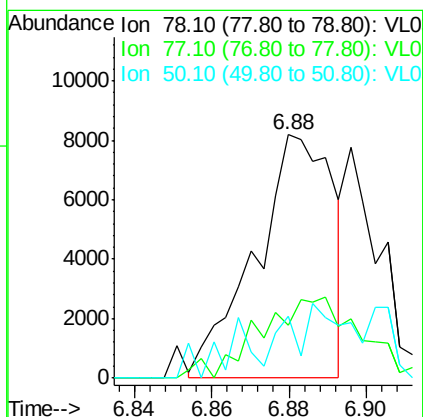
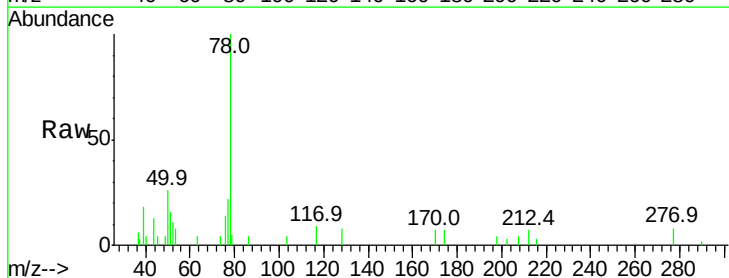
Tgt Ion: 78 Resp: 11376

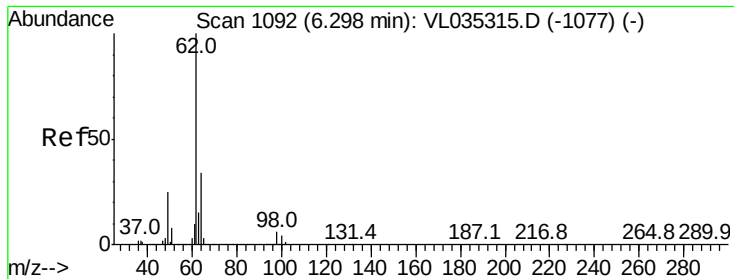
Ion Ratio Lower Upper

78 100

77 18.8 18.4 27.6

50 11.3 16.6 25.0#





#37

1,2-Dichloroethane

Concen: 0.064 ppbv

RT: 6.29 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

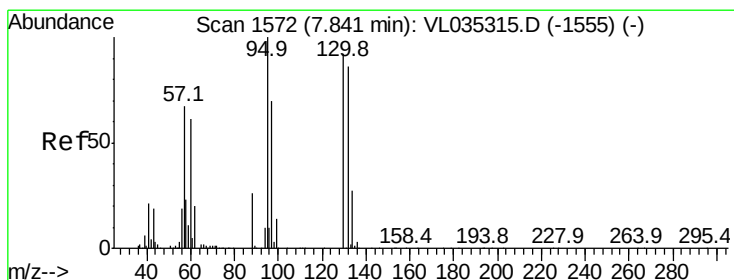
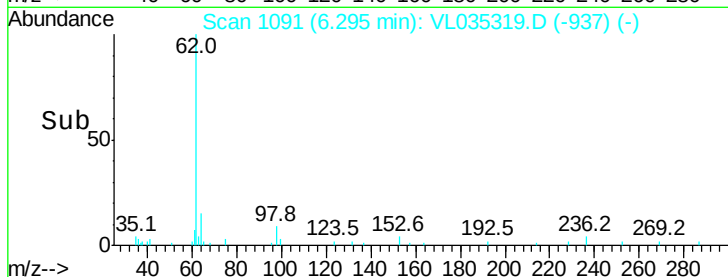
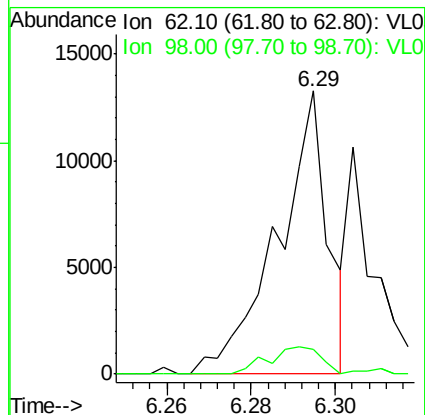
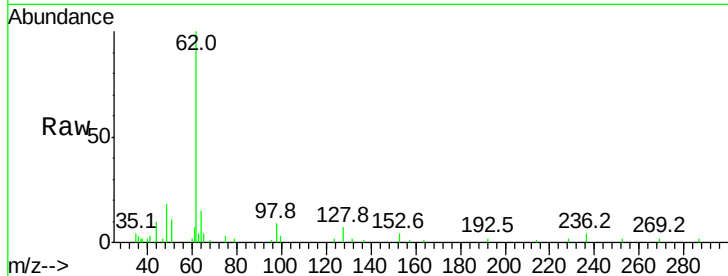
VSTDIC0.1

Tgt Ion: 62 Resp: 10871

Ion Ratio Lower Upper

62 100

98 11.3 4.6 7.0#



#38

Trichloroethene

Concen: 0.040 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Tgt Ion: 130 Resp: 3998

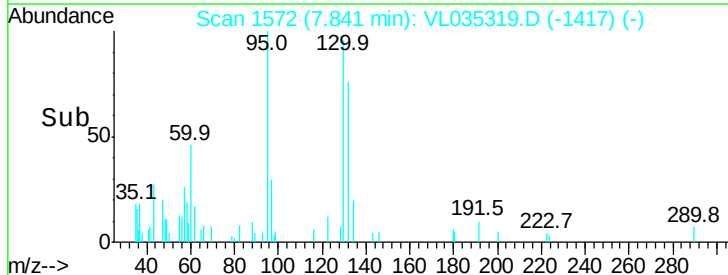
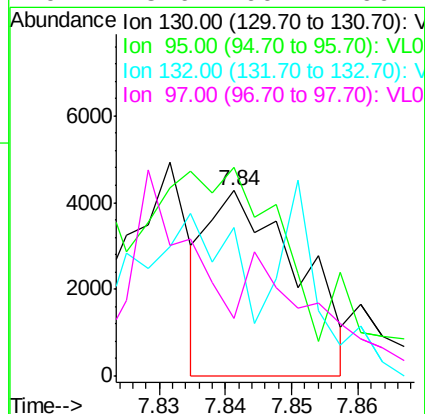
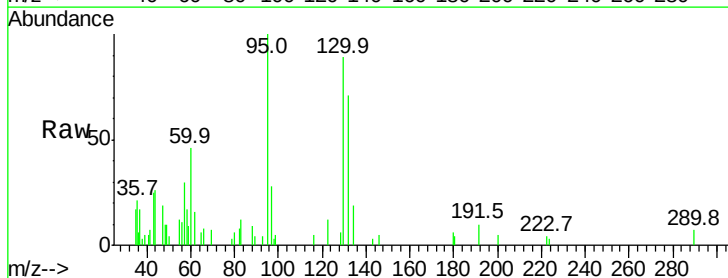
Ion Ratio Lower Upper

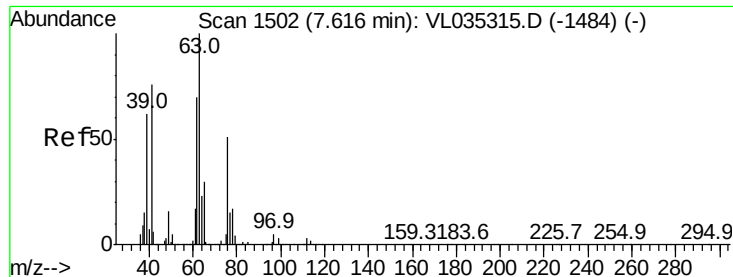
130 100

95 76.6 86.3 129.5#

132 85.8 74.2 111.2

97 3.6 60.2 90.4#





#39

1,2-Dichloropropane

Concen: 9.887 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.44 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

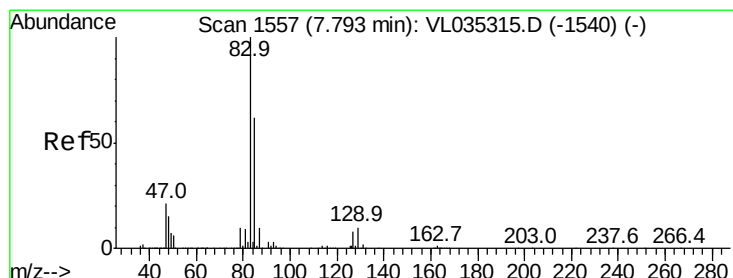
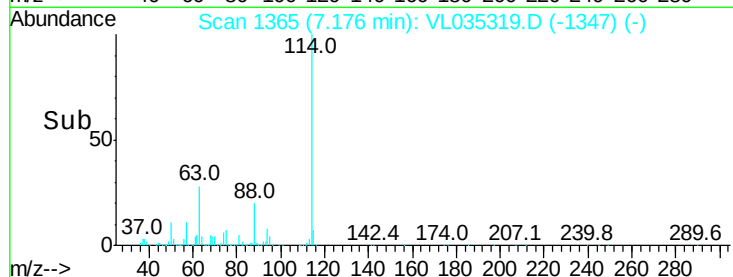
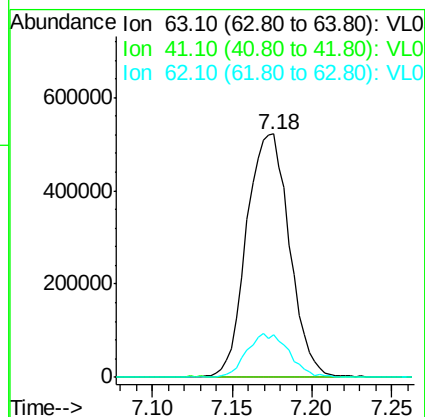
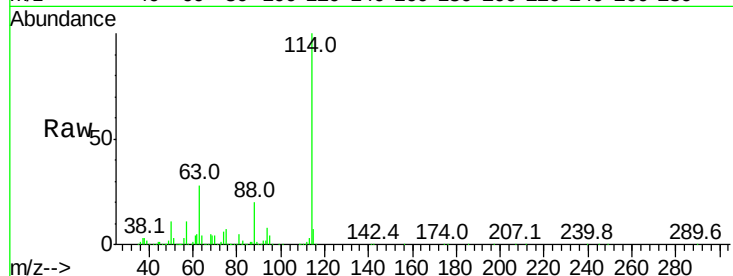
Tgt Ion: 63 Resp: 959032

Ion Ratio Lower Upper

63 100

41 0.1 61.0 91.4#

62 17.7 55.8 83.8#



#42

Bromodichloromethane

Concen: 0.076 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

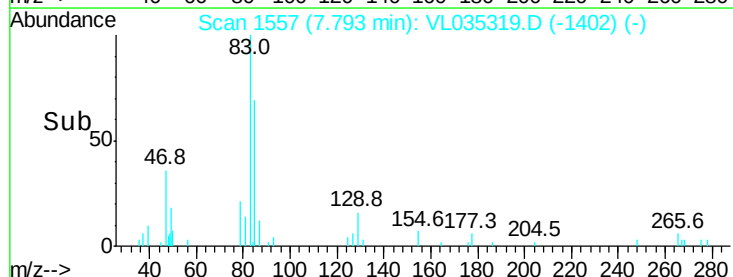
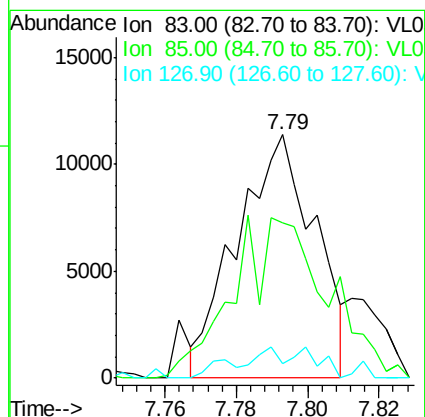
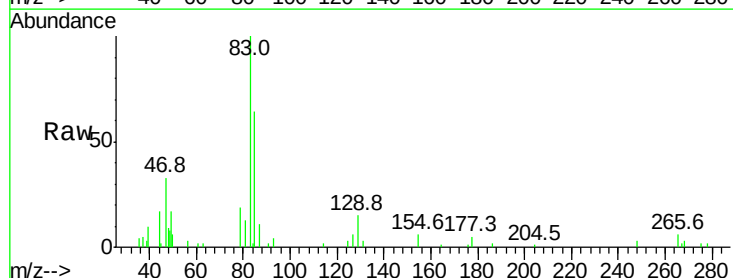
Tgt Ion: 83 Resp: 17170

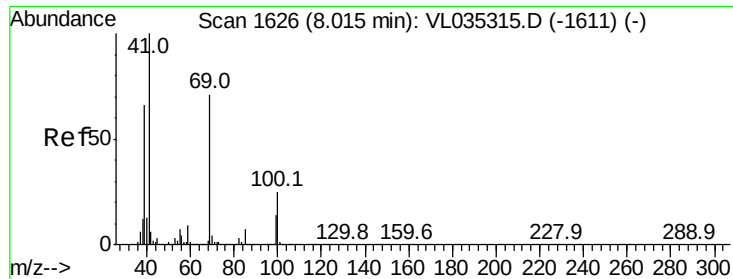
Ion Ratio Lower Upper

83 100

85 60.3 49.9 74.9

127 6.7 6.6 10.0





#43

Methyl Methacrylate

Concen: 0.031 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. 0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

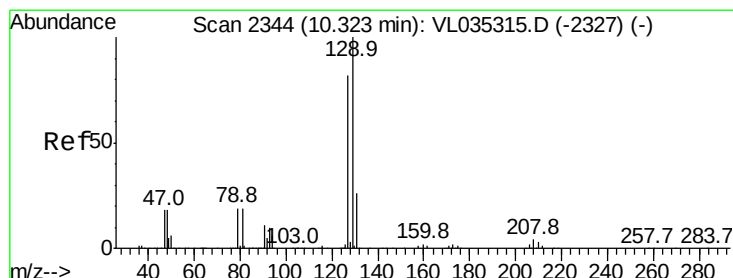
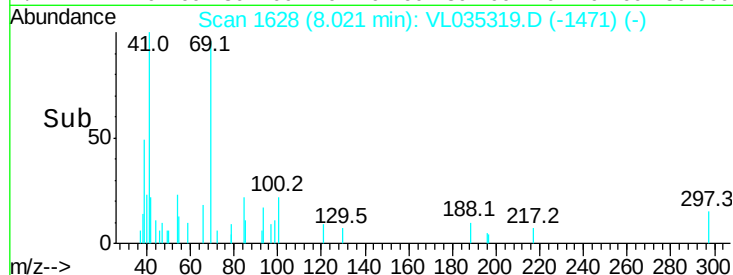
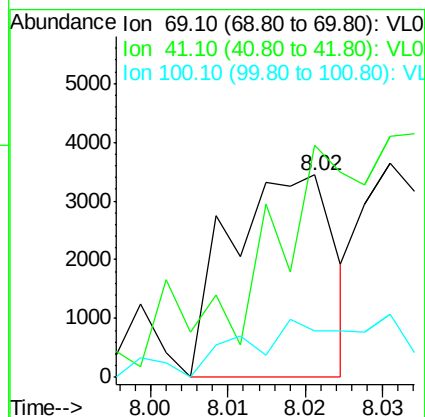
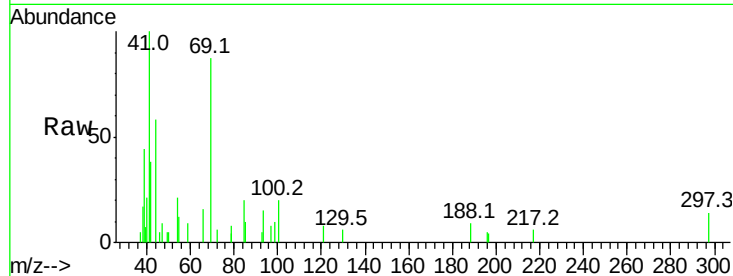
Tgt Ion: 69 Resp: 3234

Ion Ratio Lower Upper

69 100

41 0.0 110.9 166.3#

100 0.0 26.0 39.0#



#48

Dibromochloromethane

Concen: 0.036 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035319.D

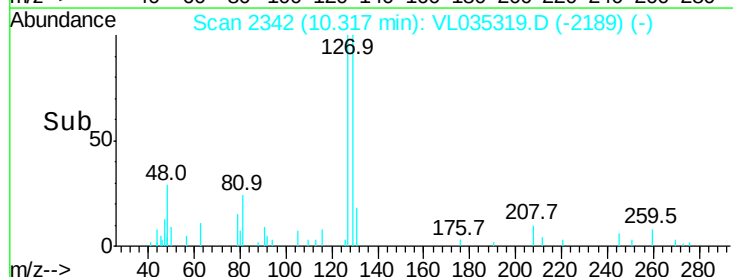
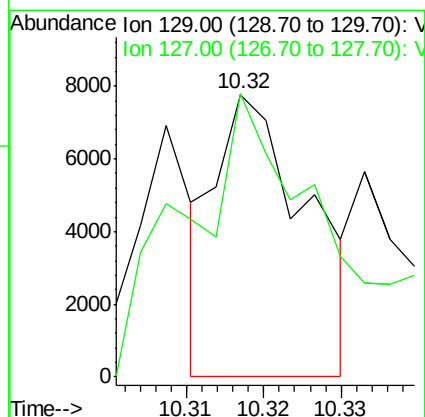
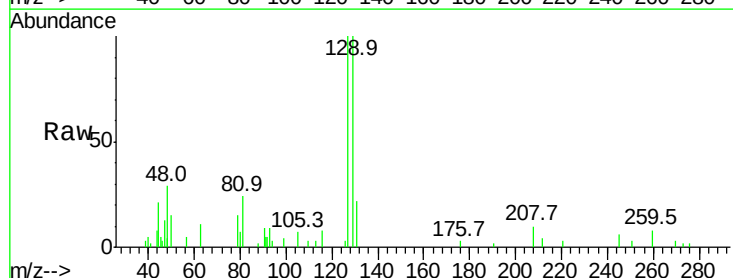
Acq: 3 Aug 2020 14:51

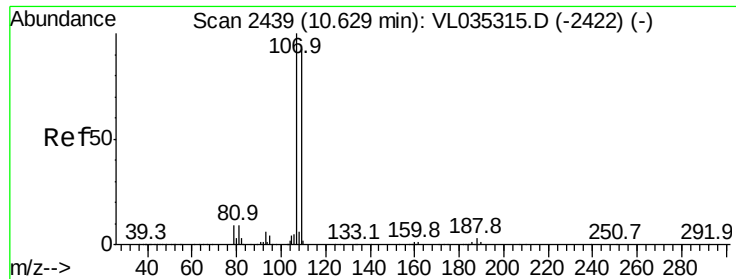
Tgt Ion: 129 Resp: 6409

Ion Ratio Lower Upper

129 100

127 174.6 39.0 117.0#





#54

1,2-Dibromoethane

Concen: 0.062 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

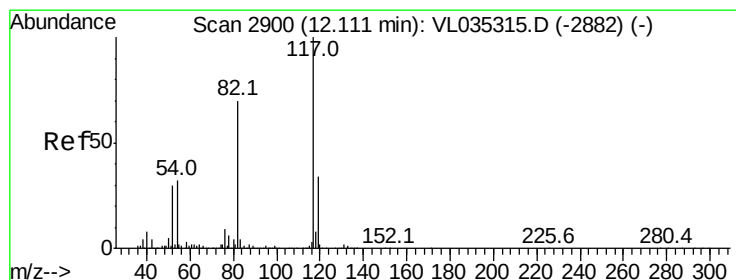
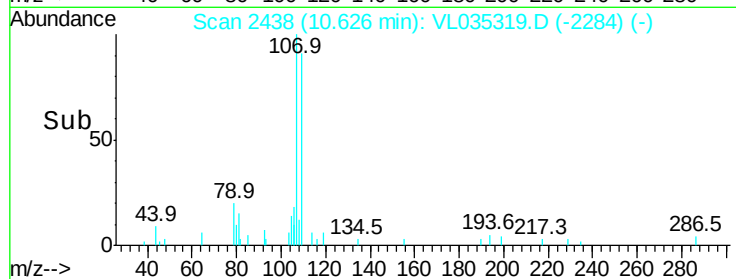
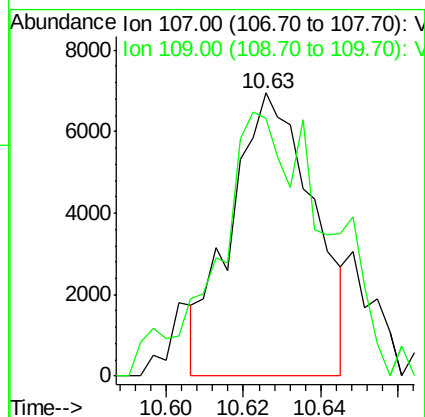
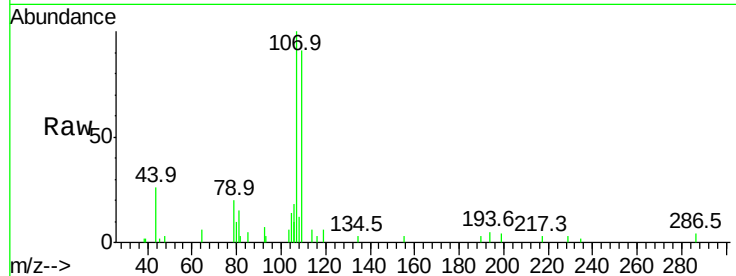
VSTDIC0.1

Tgt Ion:107 Resp: 10210

Ion Ratio Lower Upper

107 100

109 85.2 74.4 111.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

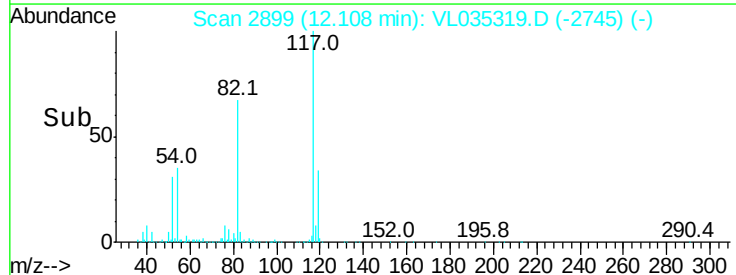
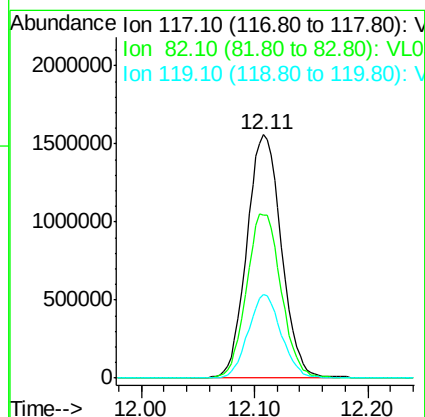
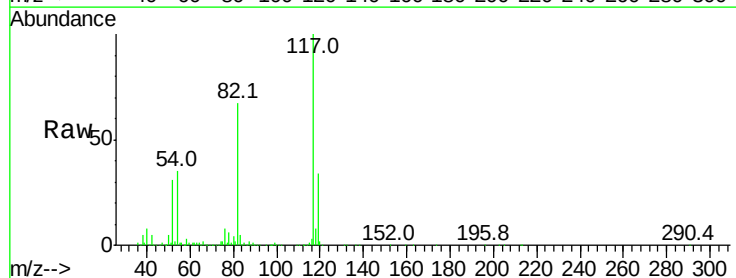
Tgt Ion:117 Resp: 3318035

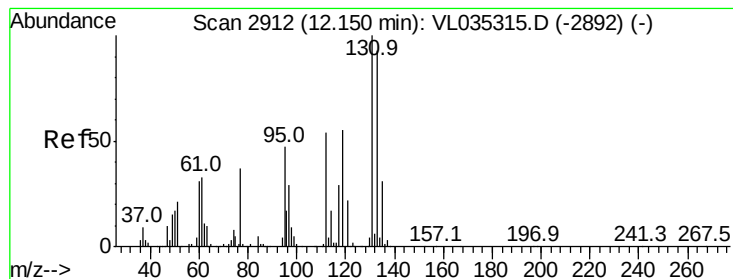
Ion Ratio Lower Upper

117 100

82 67.4 50.6 76.0

119 33.0 24.1 36.1





#56

1,1,1,2-Tetrachloroethane

Concen: 0.032 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

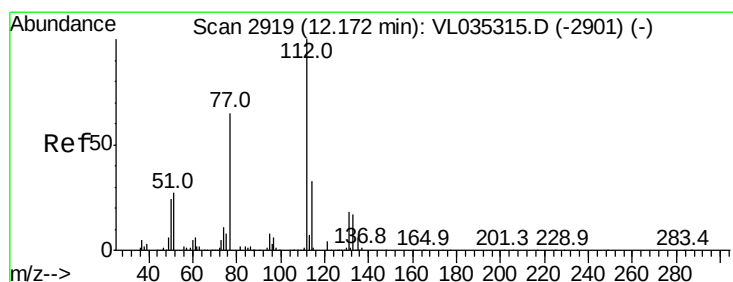
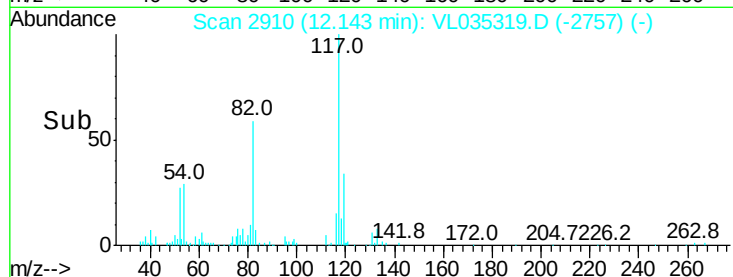
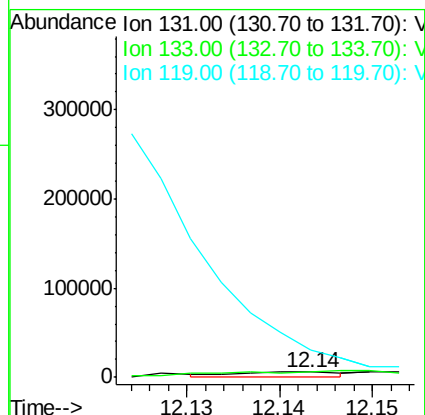
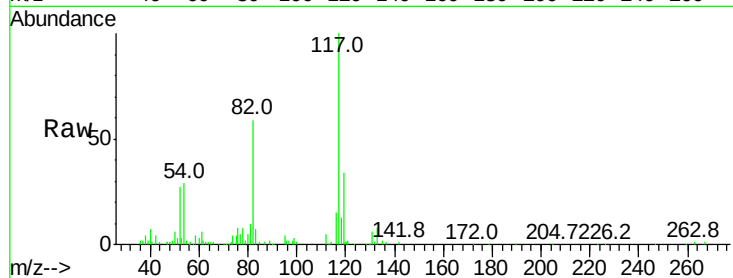
Tgt Ion:131 Resp: 4845

Ion Ratio Lower Upper

131 100

133 299.3 75.5 113.3#

119 0.0 53.1 79.7#



#57

Chlorobenzene

Concen: 0.034 ppbv

RT: 12.17 min Scan# 2919

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

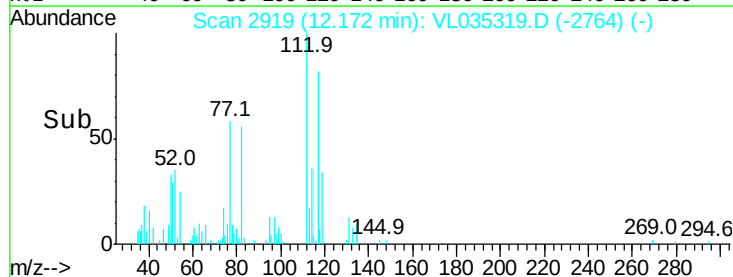
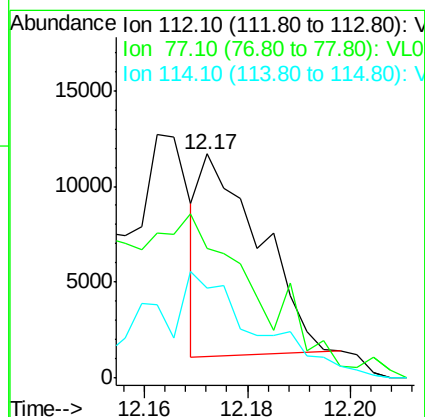
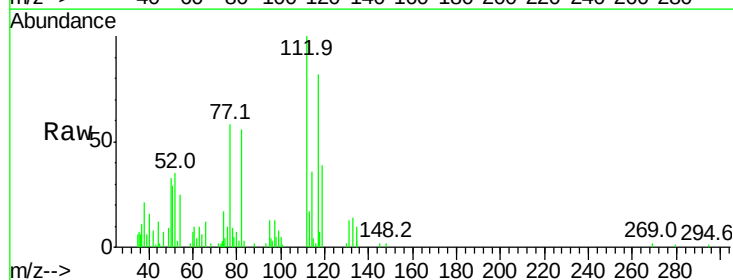
Tgt Ion:112 Resp: 8386

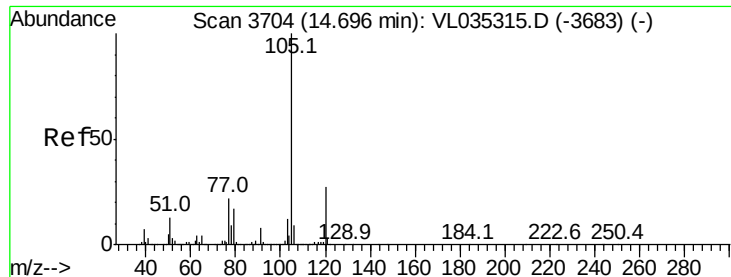
Ion Ratio Lower Upper

112 100

77 60.0 53.0 79.6

114 39.8 30.0 36.6#





#62

Isopropylbenzene

Concen: 0.035 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

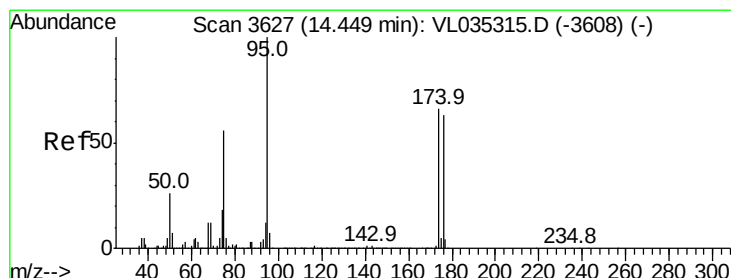
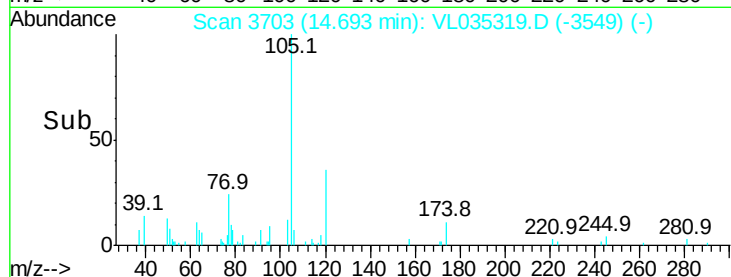
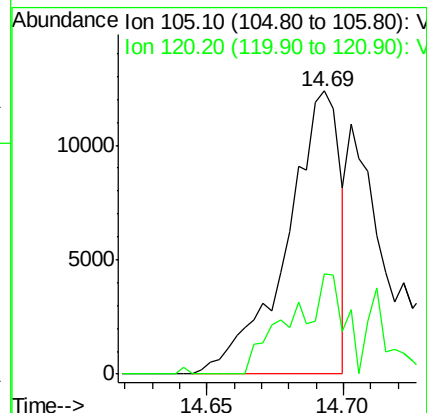
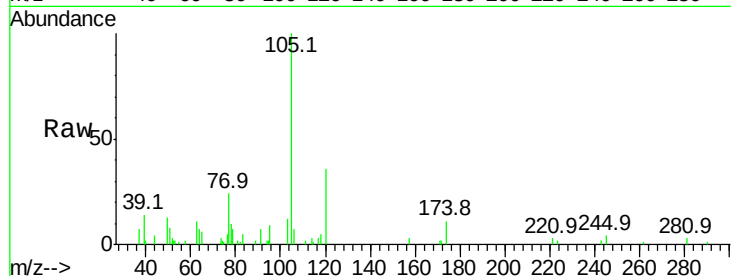
VSTDIC0.1

Tgt Ion:105 Resp: 16803

Ion Ratio Lower Upper

105 100

120 47.3 21.0 31.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.649 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

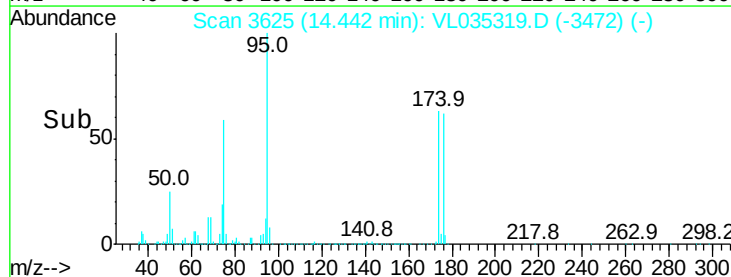
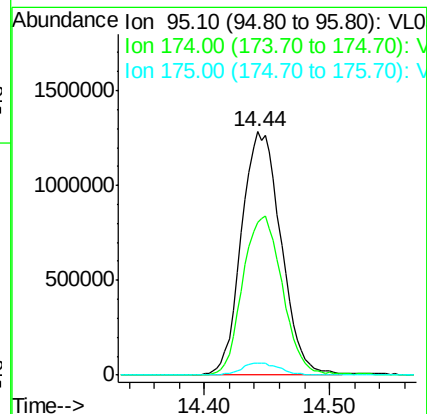
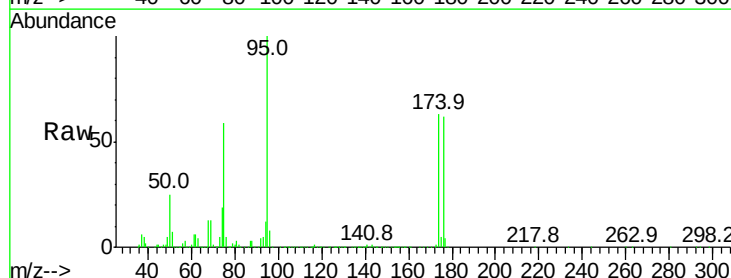
Tgt Ion: 95 Resp: 2823526

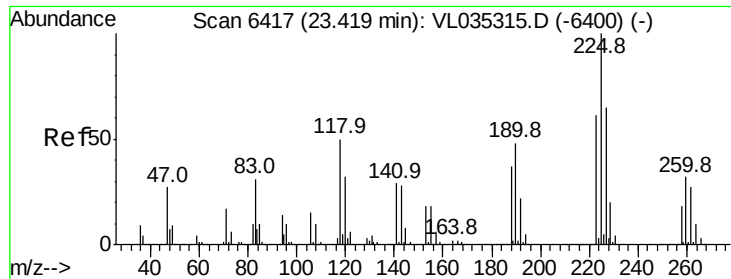
Ion Ratio Lower Upper

95 100

174 66.0 52.5 78.7

175 4.8 3.9 5.9





#78

Hexachloro-1,3-Butadiene

Concen: 0.036 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. -0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

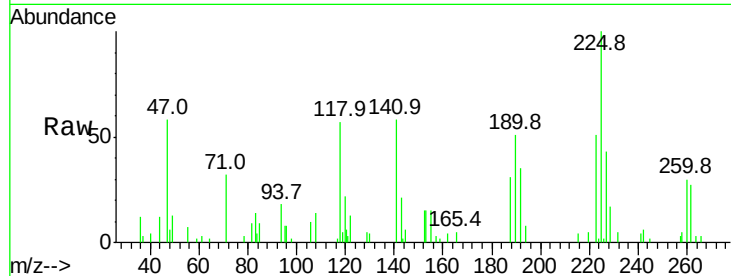
Tgt Ion:225 Resp: 7063

Ion Ratio Lower Upper

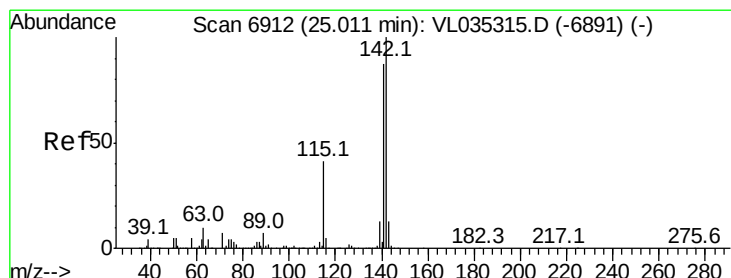
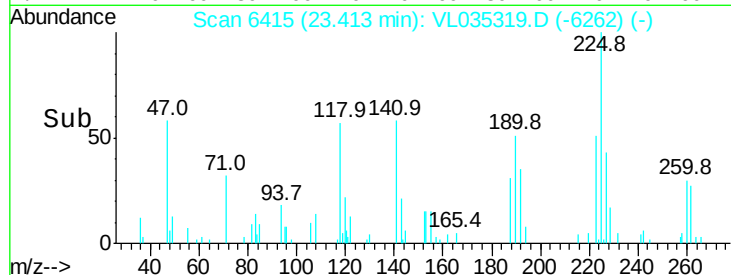
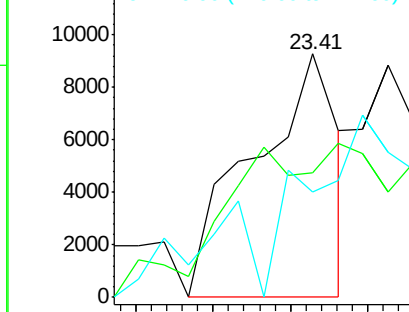
225 100

223 0.0 50.2 75.4#

227 0.0 52.7 79.1#



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: 0.032 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.01 min

Lab File: VL035319.D

Acq: 3 Aug 2020 14:51

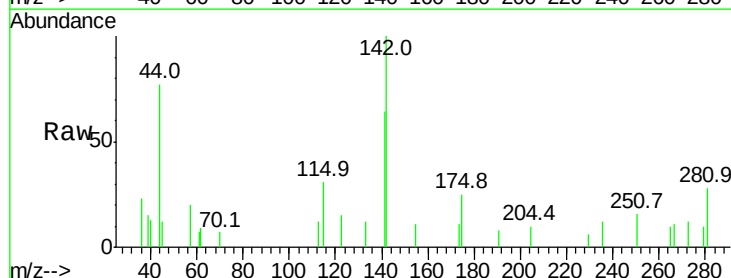
Tgt Ion:142 Resp: 3481

Ion Ratio Lower Upper

142 100

141 95.5 68.3 102.5

115 51.7 35.0 52.4



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

