

Data File : VL034671.D
Acq On : 25 Feb 2020 13:50
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1Quant Time: Feb 25 14:30:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1138072	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2327500	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2306538	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1932894	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.16	85	22713	0.091	ppbv	99
3) Chlorodifluoromethane	2.95	51	15488	0.113	ppbv	96
4) Chloromethane	3.11	50	6669	0.079	ppbv #	86
5) Vinyl Chloride	3.23	62	7685	0.096	ppbv #	62
6) Bromomethane	3.44	94	4216	0.101	ppbv	99
7) Chloroethane	3.53	64	3118	0.104	ppbv #	69
8) Dichlorotetrafluoroethane	3.16	85	22713	0.116	ppbv	93
9) Propene	2.98	41	6967	0.130	ppbv	96
10) Heptane	8.14	43	6778	0.050	ppbv #	75
11) Trichlorofluoromethane	3.93	101	21115	0.093	ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.47	101	14926	0.100	ppbv	98
16) 1,3-Butadiene	3.29	39	4816	0.073	ppbv #	7
20) Methylene Chloride	4.33	84	9552	0.150	ppbv #	82
21) Allyl Chloride	4.40	41	8063	0.078	ppbv #	70
22) trans-1,2-Dichloroethene	4.87	96	2660	0.040	ppbv #	82
24) 1,1-Dichloroethane	5.00	63	11094	0.070	ppbv #	76
25) Ethyl Acetate	5.69	43	23235	0.086	ppbv #	93
26) Hexane	5.68	57	5547	0.049	ppbv #	1
27) Carbon Disulfide	4.54	76	7553	0.049	ppbv #	1
28) Methyl tert-Butyl Ether	5.04	73	6240	0.032	ppbv #	32
29) Chloroform	5.74	83	12234	0.061	ppbv	90
31) cis-1,2-Dichloroethene	5.54	61	5215	0.044	ppbv #	69
32) 1,1,1-Trichloroethane	6.51	97	15897	0.074	ppbv	92
34) 2-Butanone	5.27	43	13204	0.078	ppbv #	85
35) Carbon Tetrachloride	7.02	117	16465	0.074	ppbv #	79
36) Benzene	6.90	78	13464	0.065	ppbv #	87
37) 1,2-Dichloroethane	6.31	62	5825	0.034	ppbv #	83
38) Trichloroethene	7.85	130	2956	0.034	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	671041	7.821	ppbv #	24
42) Bromodichloromethane	7.81	83	14034	0.066	ppbv #	83
47) 1,1,2-Trichloroethane	9.49	97	4443	0.048	ppbv	90
49) Bromoform	13.07	173	6191	0.041	ppbv #	67
52) Tetrachloroethene	11.25	164	5718	0.069	ppbv #	63
53) Toluene	9.83	91	9709	0.043	ppbv #	65
56) 1,1,1,2-Tetrachloroethane	12.17	131	4887	0.043	ppbv #	1
59) m/p-Xylene	13.03	91	11461	0.042	ppbv #	31
60) o-Xylene	13.73	91	10239	0.037	ppbv #	32
63) 1,1,2,2-Tetrachloroethane	13.72	83	12327	0.058	ppbv #	53
66) Benzyl Chloride	17.04	91	5419	0.040	ppbv #	98
75) 1,3-Dichlorobenzene	17.04	146	9127	0.049	ppbv #	10
76) 1,4-Dichlorobenzene	17.19	146	10191	0.055	ppbv #	42

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\
Quantitation Report (Not Reviewed)

Data File : VL034671.D
Acq On : 25 Feb 2020 13:50
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

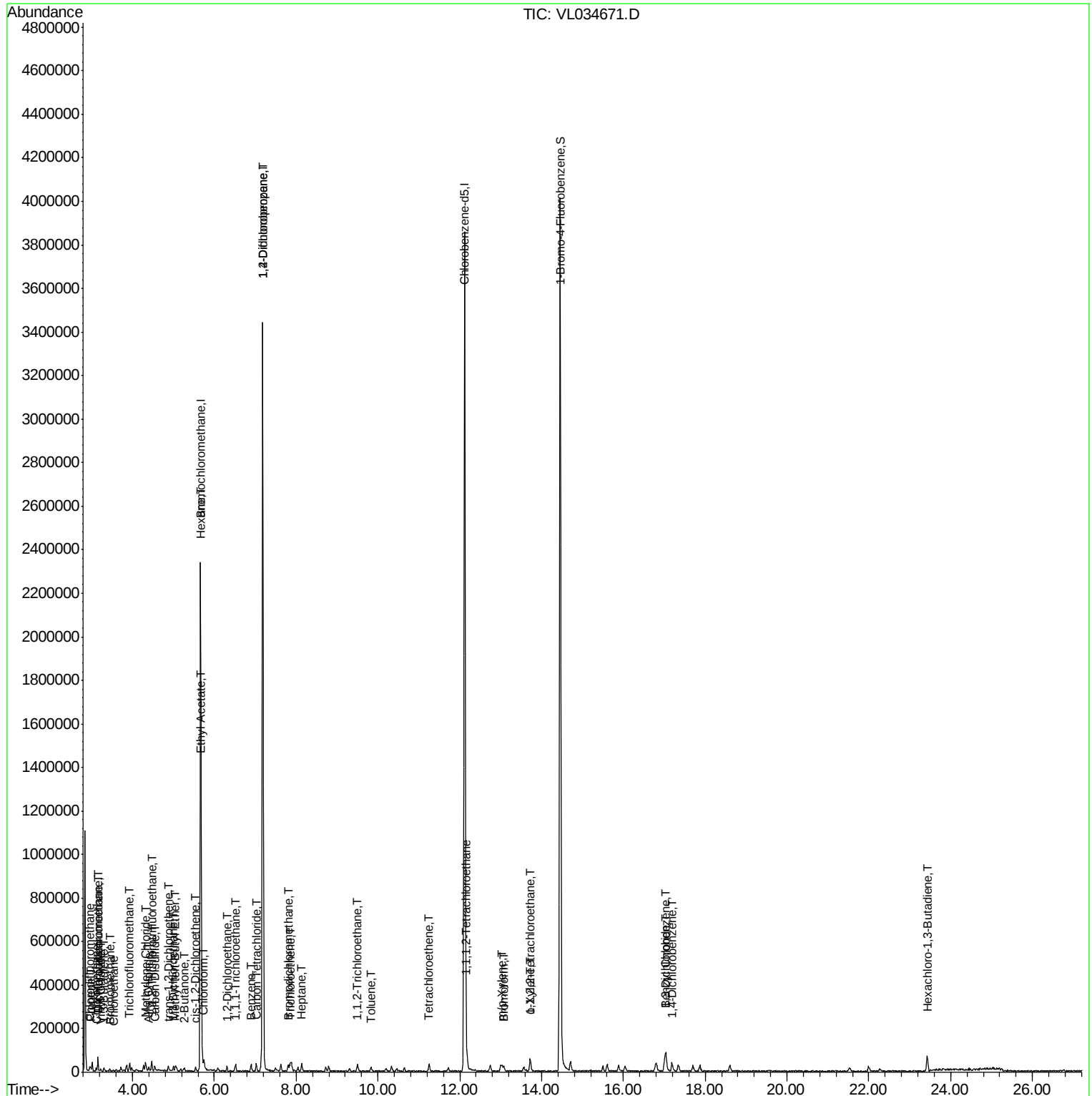
Quant Time: Feb 25 14:30:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

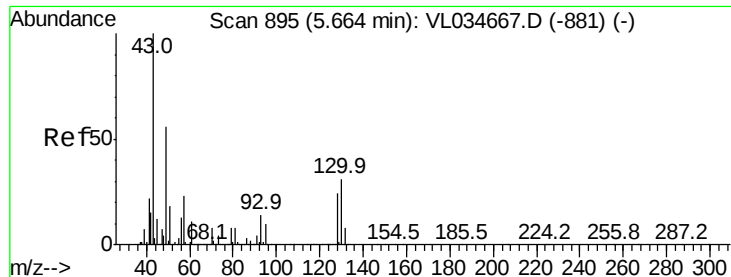
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Hexachloro-1,3-Butadiene	23.43	225	12323	0.072	ppbv	# 71

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

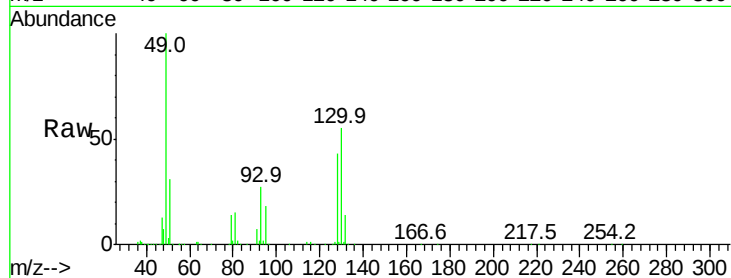
Tgt Ion: 49 Resp: 1138072

Ion Ratio Lower Upper

49 100

128 44.1 21.9 65.5

130 56.1 27.9 83.7

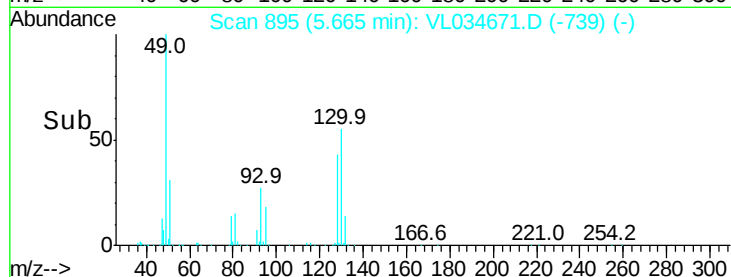


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

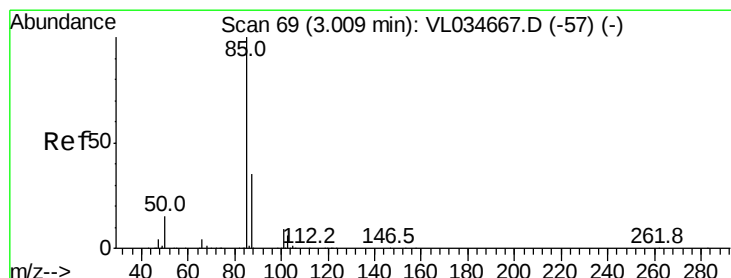
Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 0.091 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.15 min

Lab File: VL034671.D

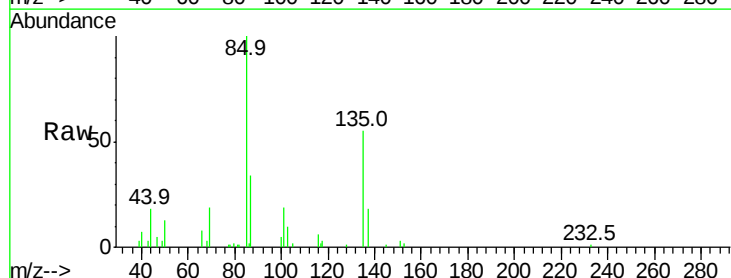
Acq: 25 Feb 2020 13:50

Tgt Ion: 85 Resp: 22713

Ion Ratio Lower Upper

85 100

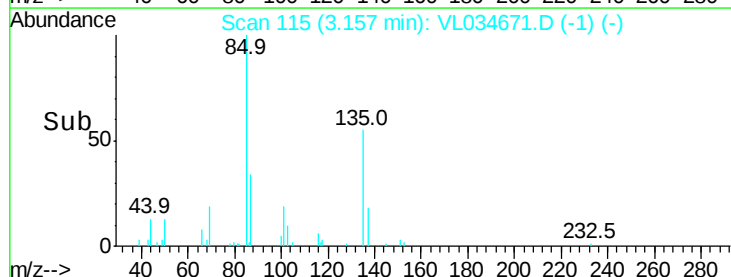
87 34.1 27.9 41.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

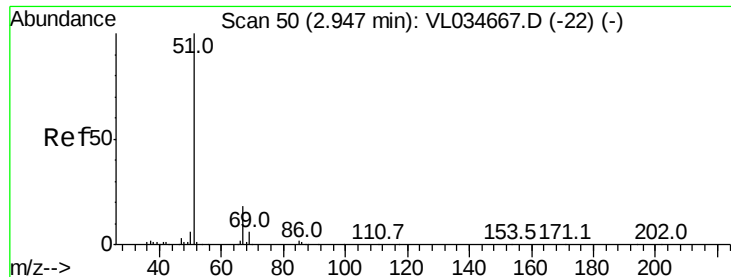
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.16

Time-->



#3

Chlorodifluoromethane

Concen: 0.113 ppbv

RT: 2.95 min Scan# 50

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

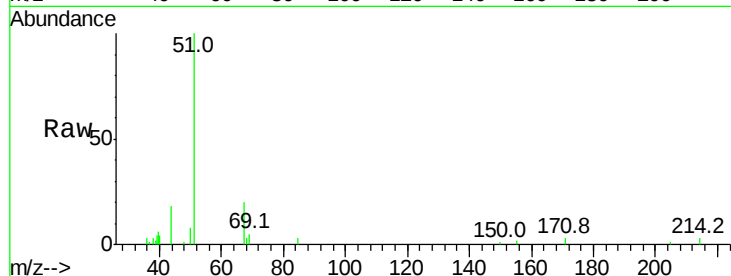
VSTDIC0.1

Tgt Ion: 51 Resp: 15488

Ion Ratio Lower Upper

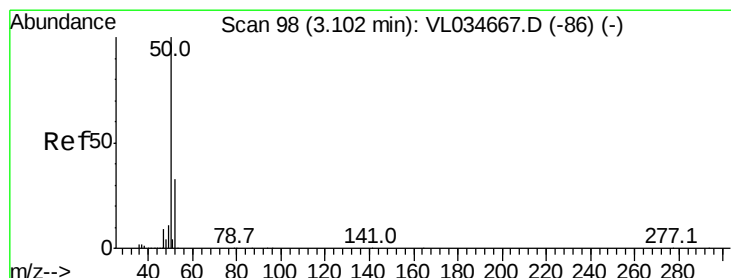
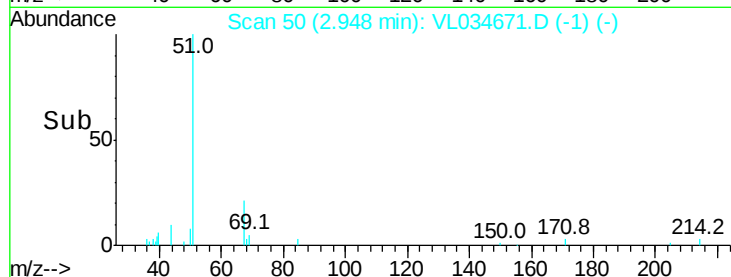
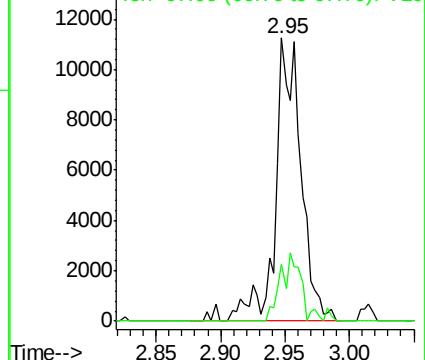
51 100

67 20.3 15.0 22.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.079 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.00 min

Lab File: VL034671.D

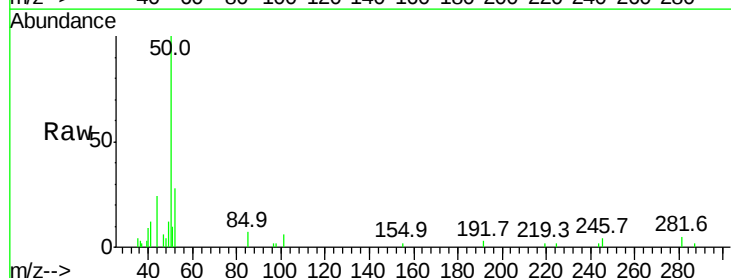
Acq: 25 Feb 2020 13:50

Tgt Ion: 50 Resp: 6669

Ion Ratio Lower Upper

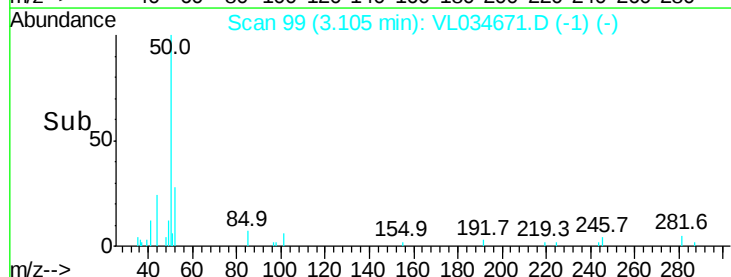
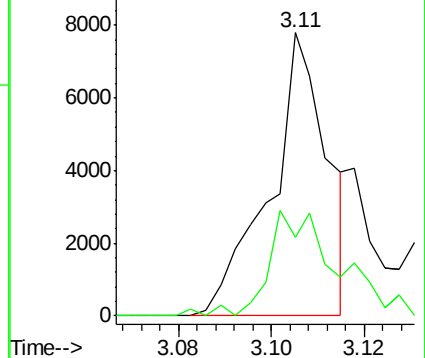
50 100

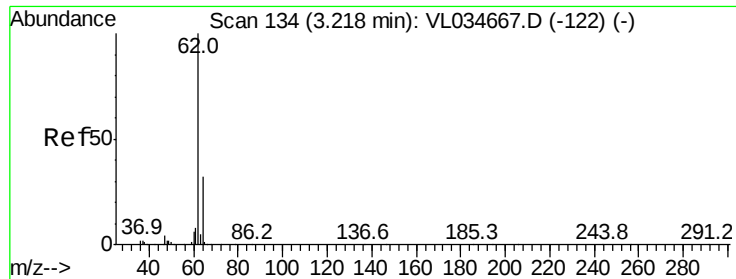
52 25.2 26.2 39.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.096 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

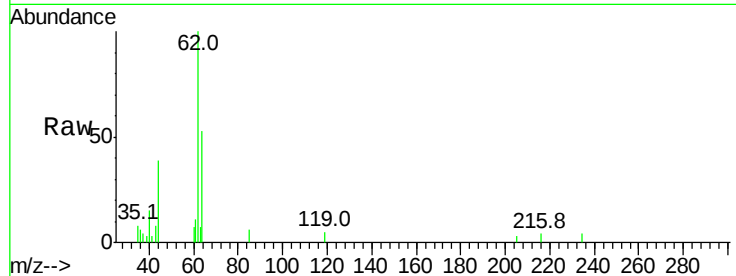
VSTDIC0.1

Tgt Ion: 62 Resp: 7685

Ion Ratio Lower Upper

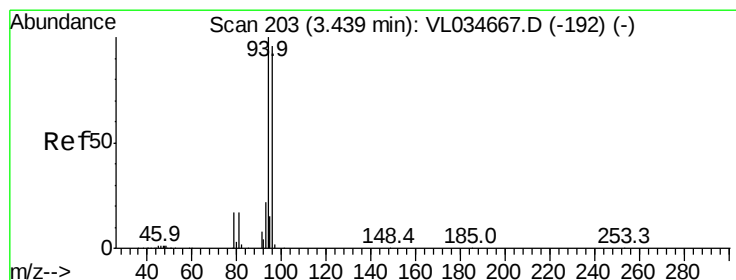
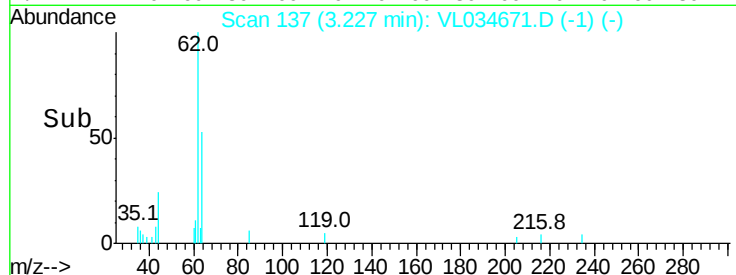
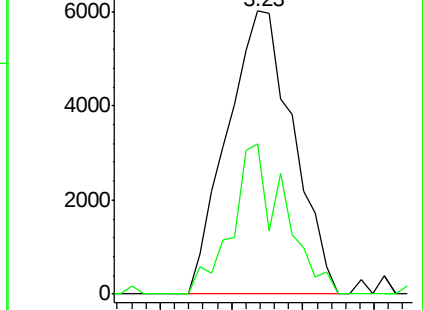
62 100

64 53.0 25.7 38.5#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.101 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034671.D

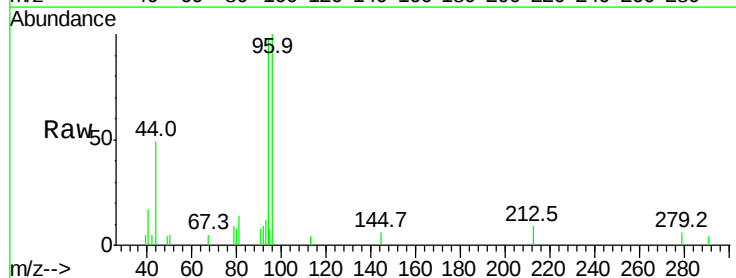
Acq: 25 Feb 2020 13:50

Tgt Ion: 94 Resp: 4216

Ion Ratio Lower Upper

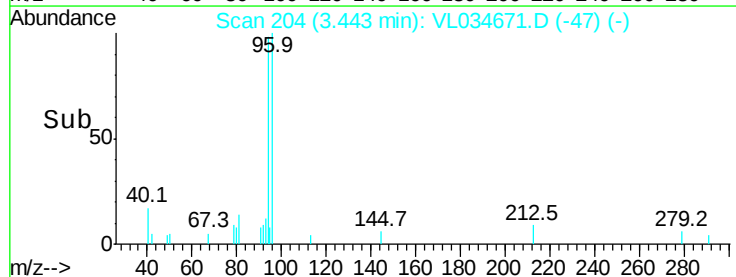
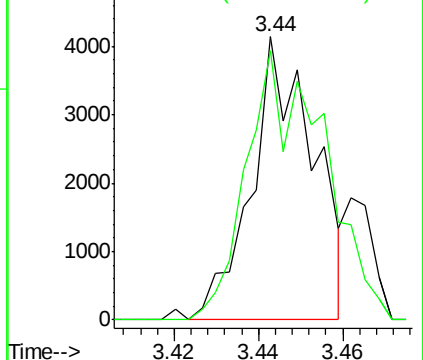
94 100

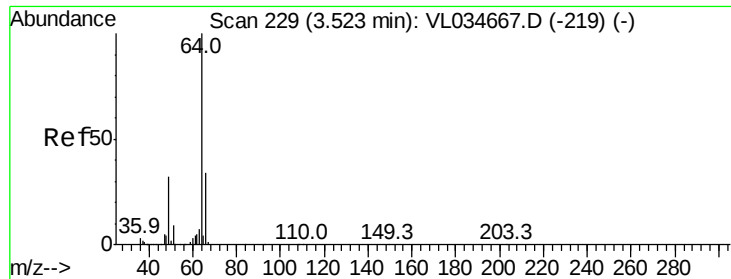
96 94.9 77.0 115.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.104 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

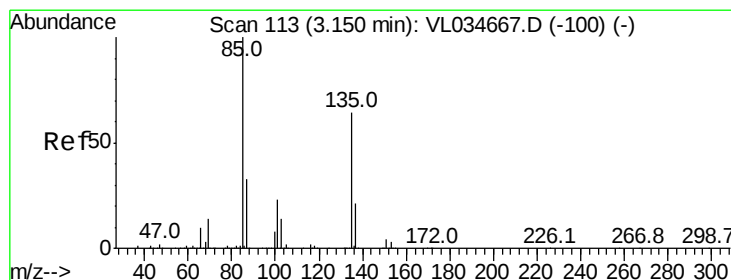
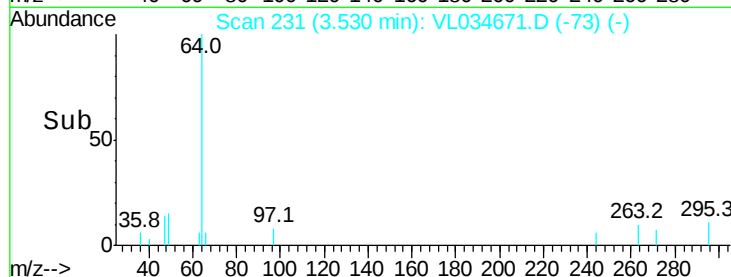
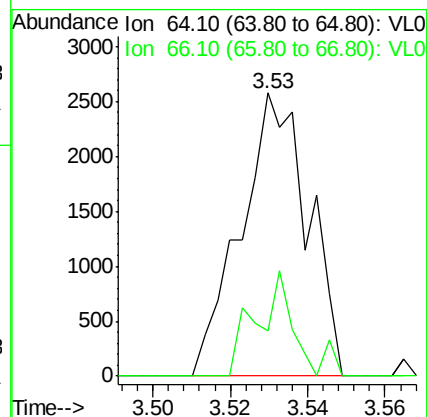
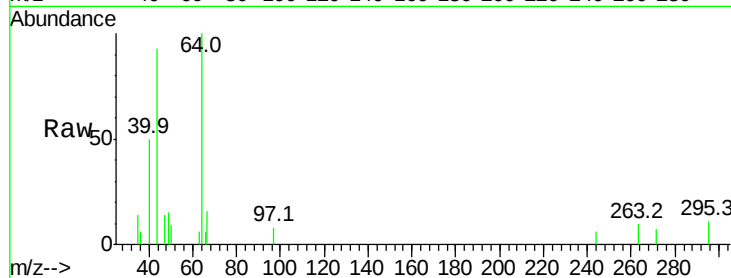
VSTDIC0.1

Tgt Ion: 64 Resp: 3118

Ion Ratio Lower Upper

64 100

66 15.9 26.9 40.3#



#8

Dichlorotetrafluoroethane

Concen: 0.116 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034671.D

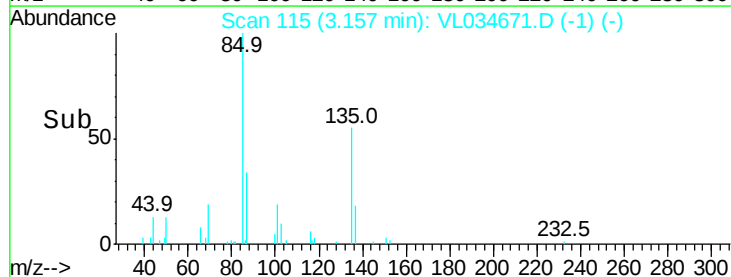
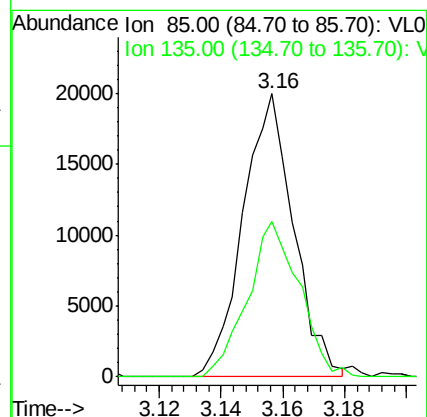
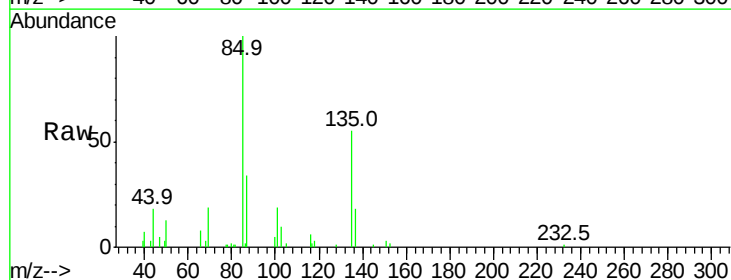
Acq: 25 Feb 2020 13:50

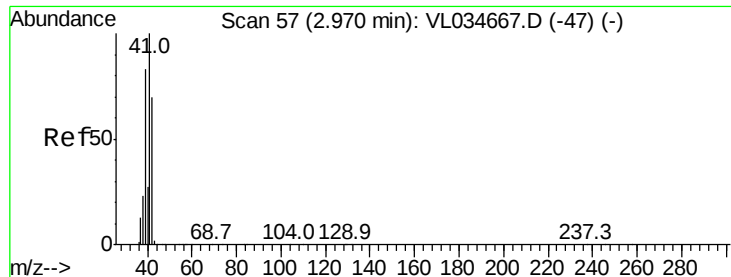
Tgt Ion: 85 Resp: 22713

Ion Ratio Lower Upper

85 100

135 56.3 49.3 73.9





#9

Propene

Concen: 0.130 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

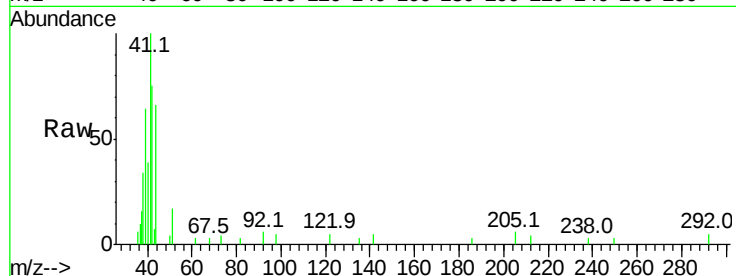
VSTDIC0.1

Tgt Ion: 41 Resp: 6967

Ion Ratio Lower Upper

41 100

42 67.9 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.98

6000

5000

4000

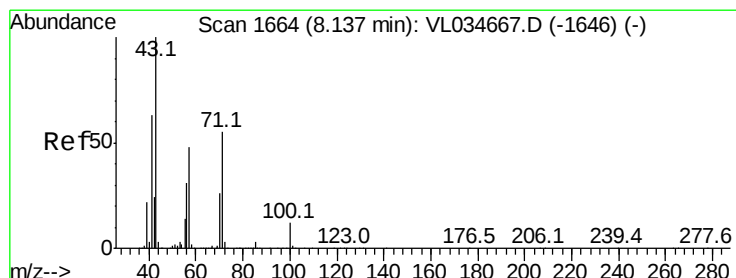
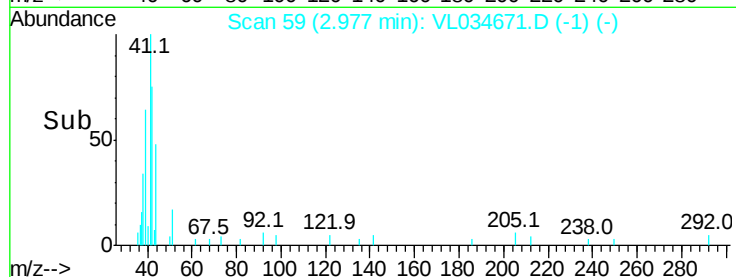
3000

2000

1000

0

Time-->



#10

Heptane

Concen: 0.050 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034671.D

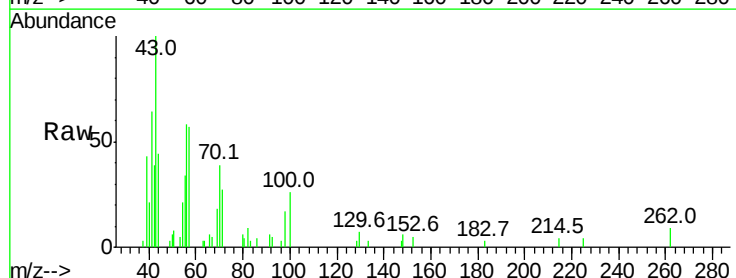
Acq: 25 Feb 2020 13:50

Tgt Ion: 43 Resp: 6778

Ion Ratio Lower Upper

43 100

57 69.4 41.7 62.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.14

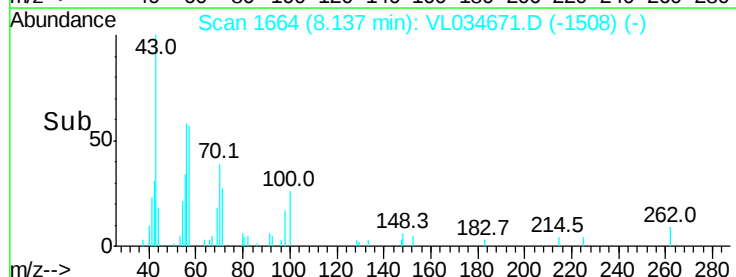
6000

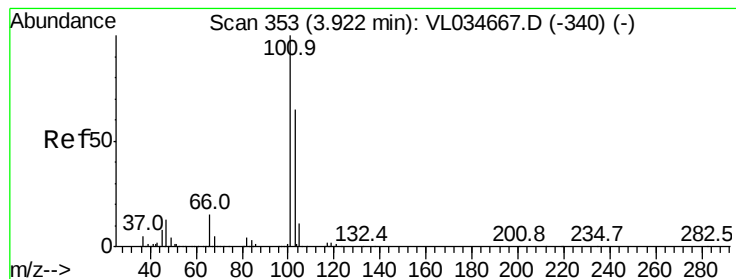
4000

2000

0

Time-->





#11

Trichlorofluoromethane

Concen: 0.093 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

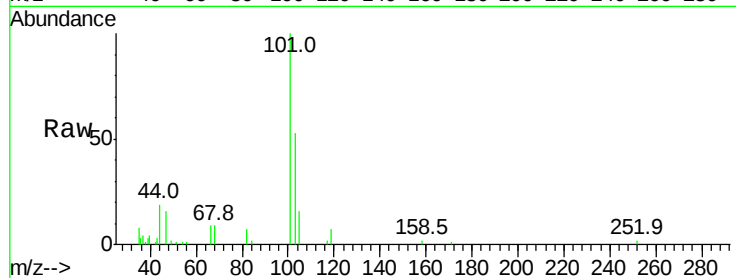
VSTDIC0.1

Tgt Ion:101 Resp: 21115

Ion Ratio Lower Upper

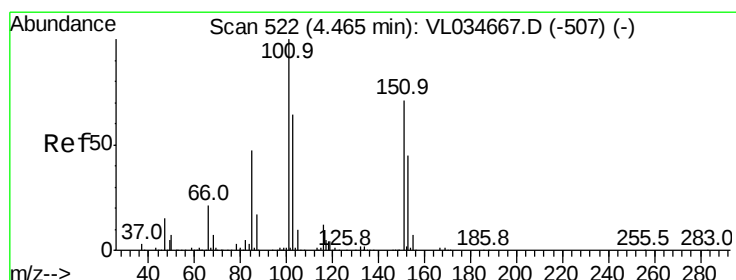
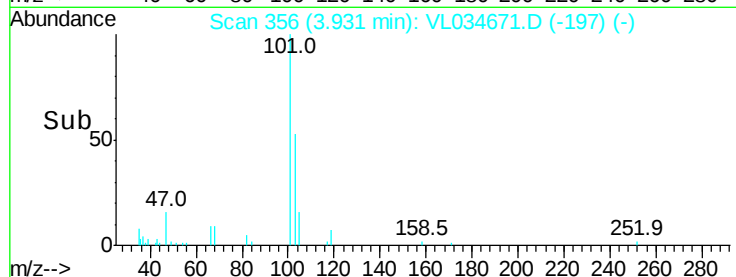
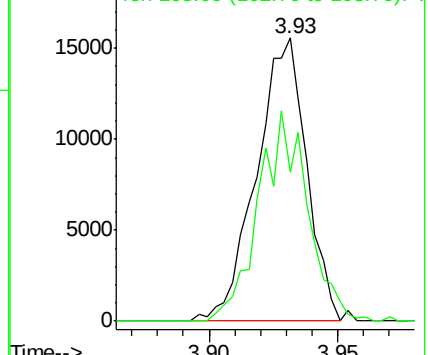
101 100

103 52.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.100 ppbv

RT: 4.47 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL034671.D

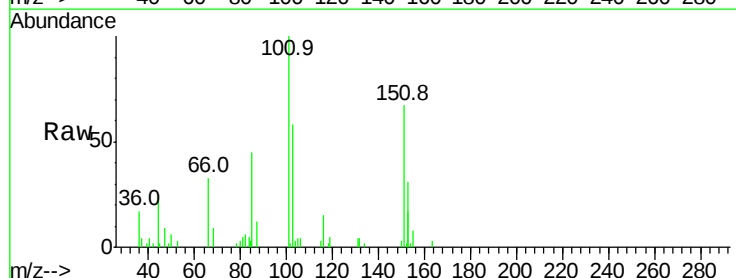
Acq: 25 Feb 2020 13:50

Tgt Ion:101 Resp: 14926

Ion Ratio Lower Upper

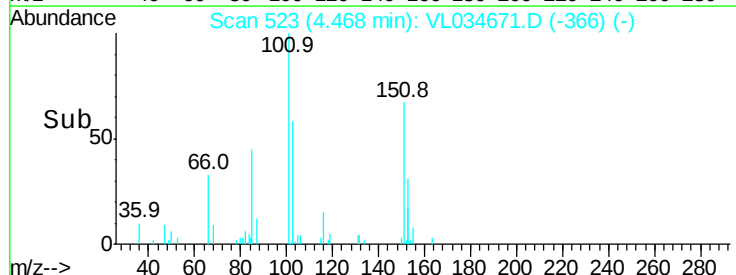
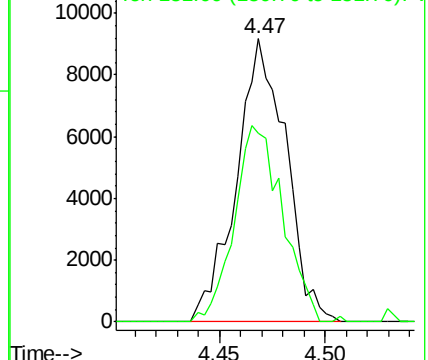
101 100

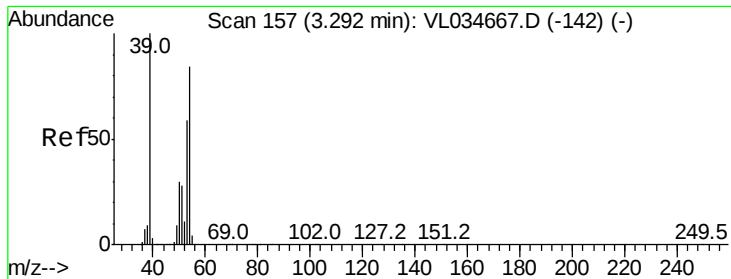
151 67.7 55.5 83.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#16

1,3-Butadiene

Concen: 0.073 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

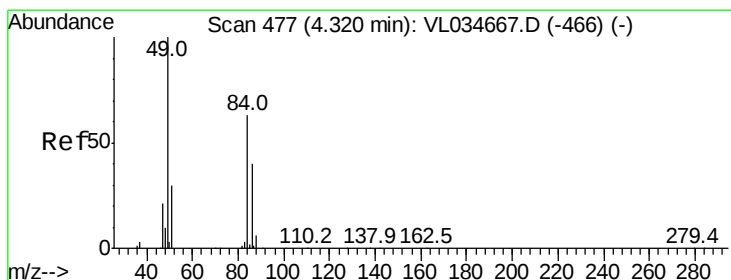
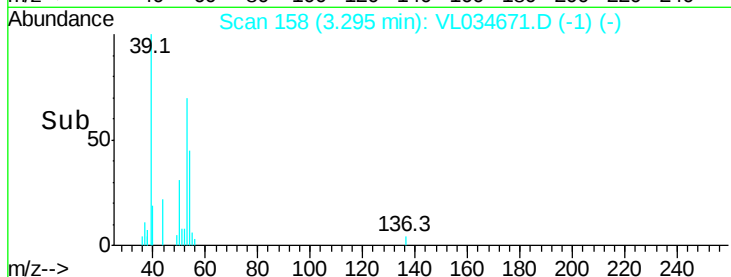
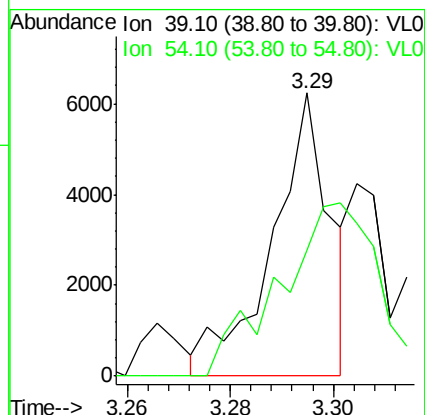
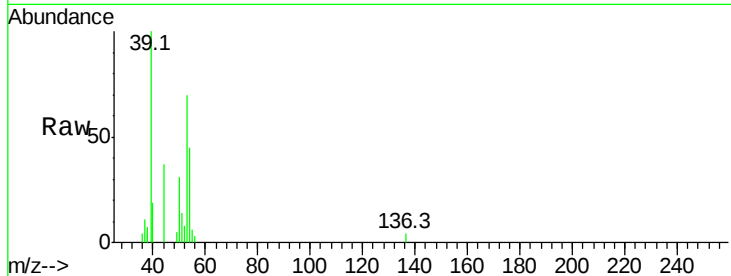
VSTDIC0.1

Tgt Ion: 39 Resp: 4816

Ion Ratio Lower Upper

39 100

54 0.0 68.2 102.2#



#20

Methylene Chloride

Concen: 0.150 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Tgt Ion: 84 Resp: 9552

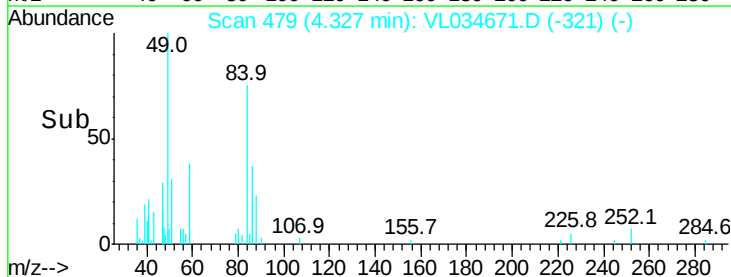
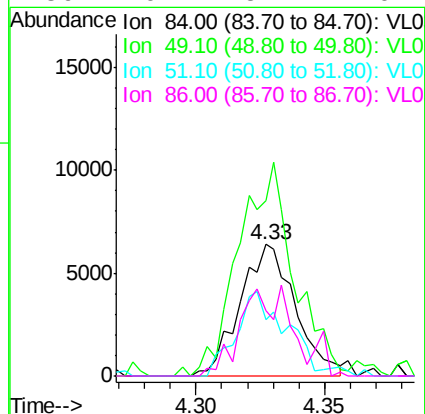
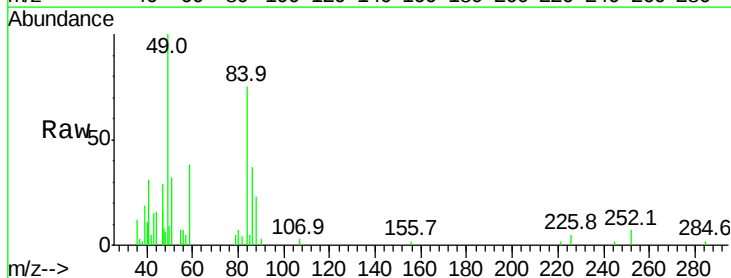
Ion Ratio Lower Upper

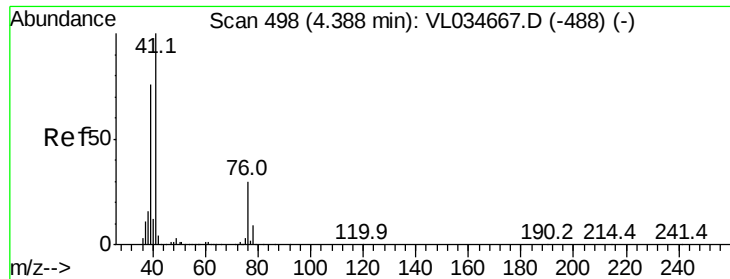
84 100

49 133.2 127.6 191.4

51 43.2 39.7 59.5

86 49.7 51.1 76.7#





#21

Allyl Chloride

Concen: 0.078 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

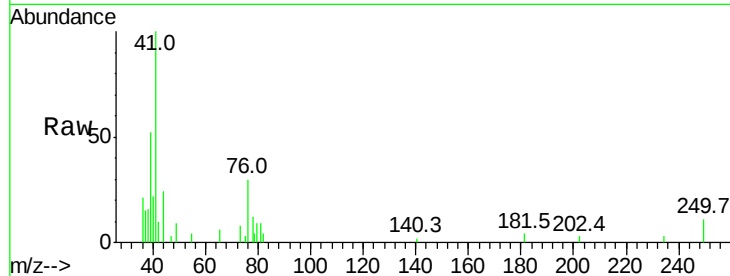
Tgt Ion: 41 Resp: 8063

Ion Ratio Lower Upper

41 100

76 31.7 23.6 35.4

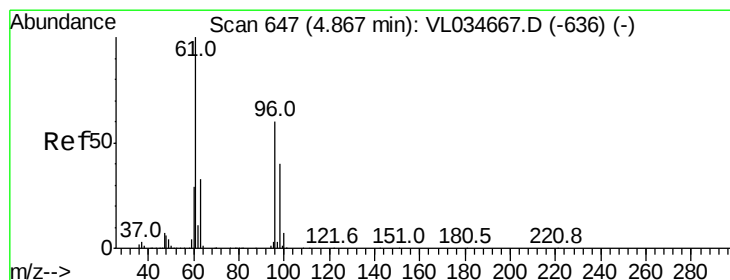
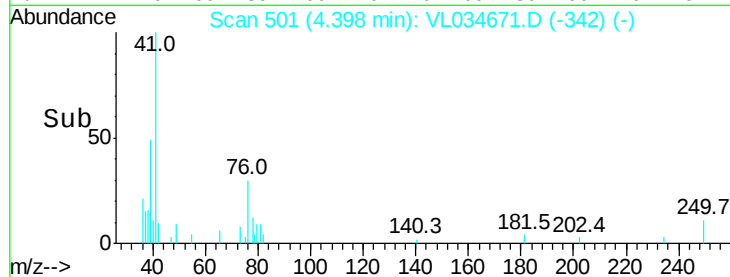
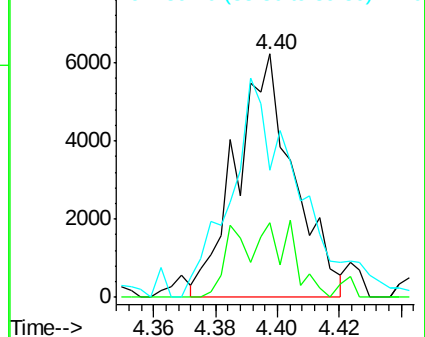
39 111.2 61.6 92.4#



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: 0.040 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

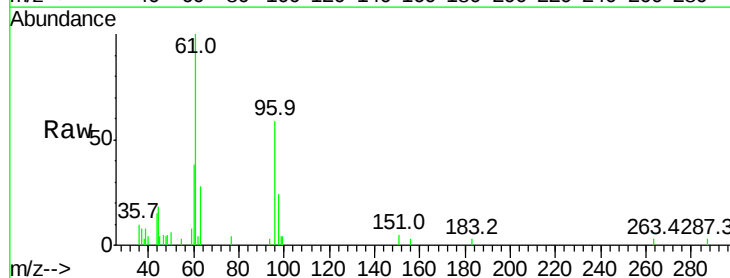
Tgt Ion: 96 Resp: 2660

Ion Ratio Lower Upper

96 100

61 157.6 134.3 201.5

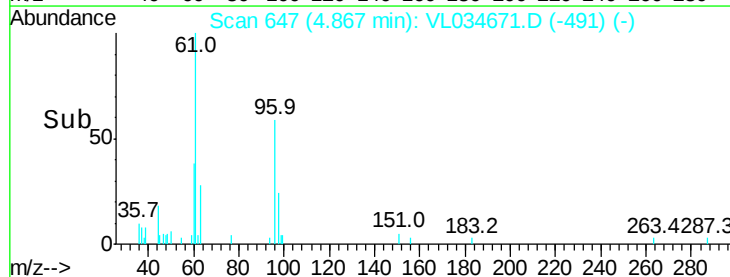
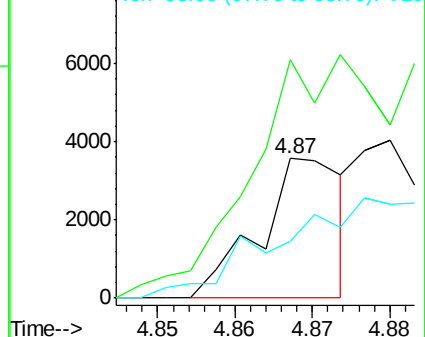
98 30.7 53.8 80.8#

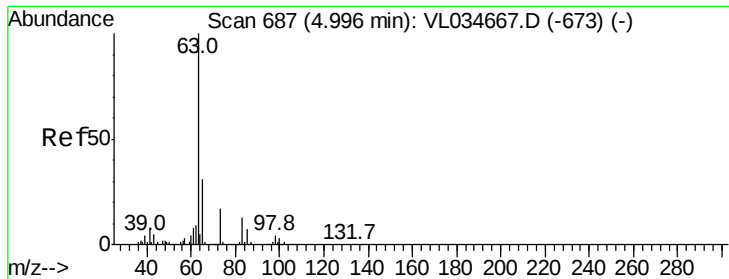


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#24

1,1-Dichloroethane

Concen: 0.070 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

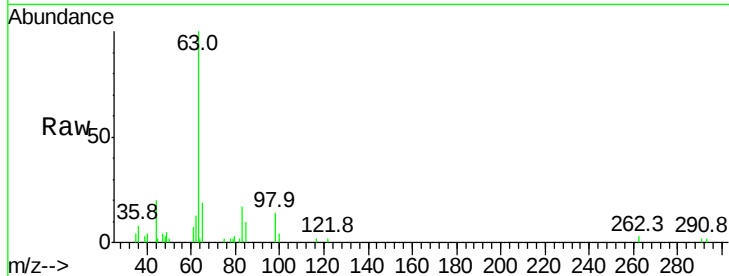
Tgt Ion: 63 Resp: 11094

Ion Ratio Lower Upper

63 100

98 16.3 2.2 6.6#

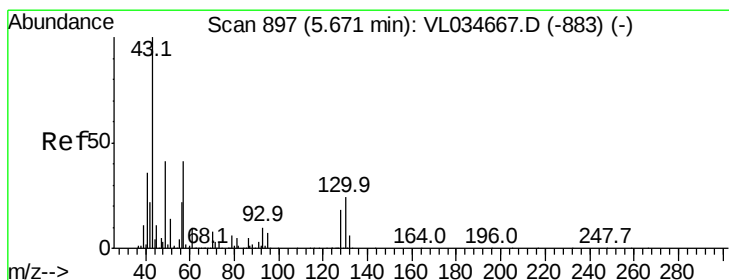
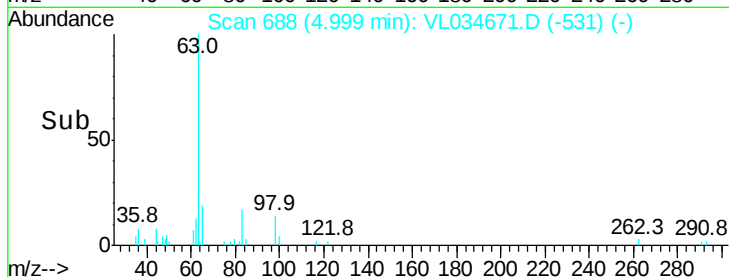
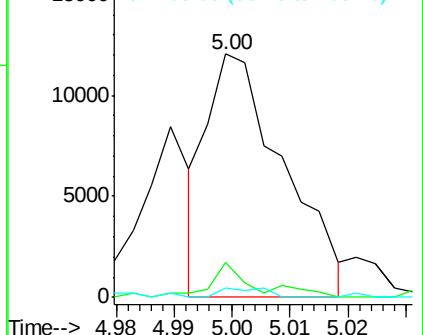
100 4.6 1.4 4.2#



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: 0.086 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Tgt Ion: 43 Resp: 23235

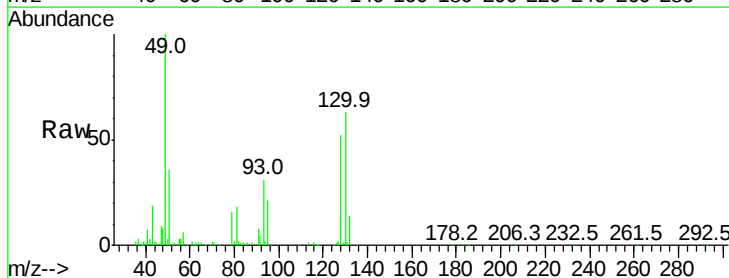
Ion Ratio Lower Upper

43 100

45 11.7 8.3 12.5

61 14.3 7.8 11.6#

70 9.0 6.0 9.0#

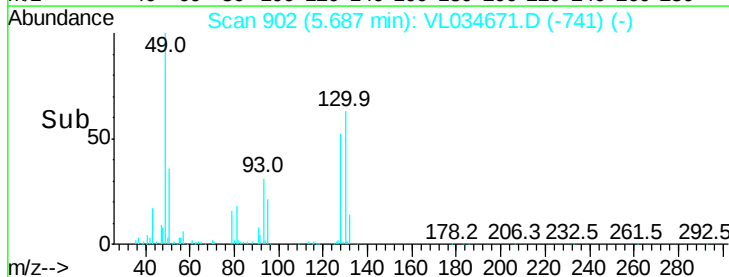
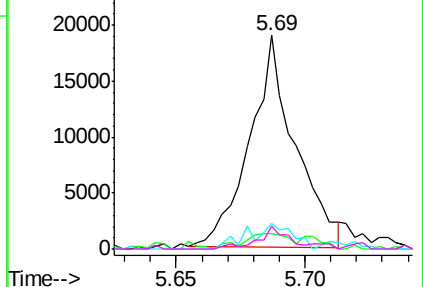


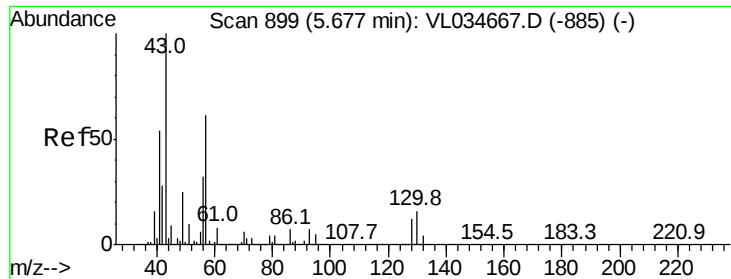
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.049 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 57 Resp: 5547

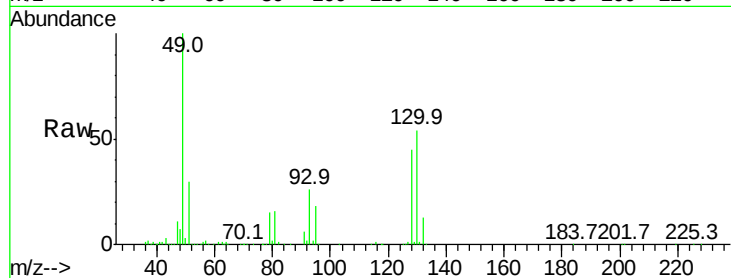
Ion Ratio Lower Upper

57 100

41 0.0 72.0 108.0#

43 0.0 178.7 268.1#

56 0.0 43.1 64.7#



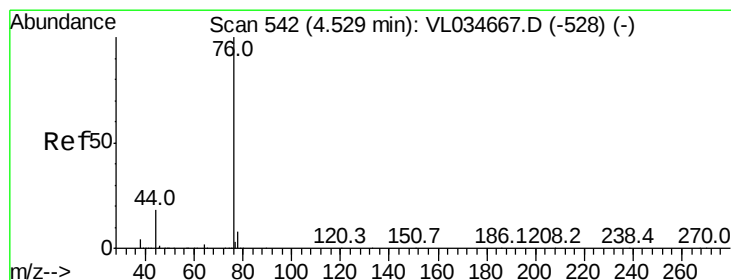
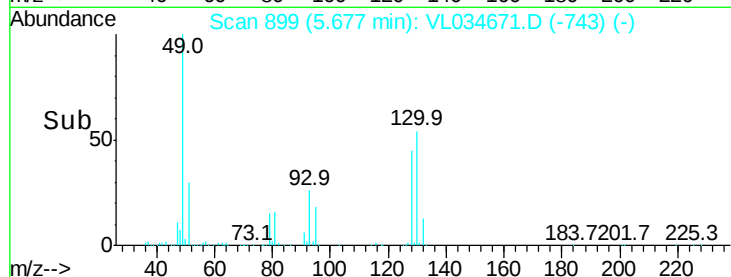
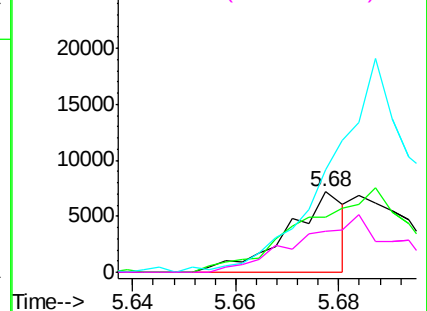
Abundance

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: 0.049 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

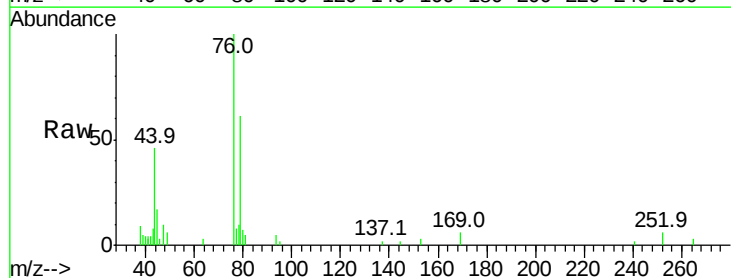
Tgt Ion: 76 Resp: 7553

Ion Ratio Lower Upper

76 100

44 101.5 15.0 22.4#

78 21.8 7.7 11.5#

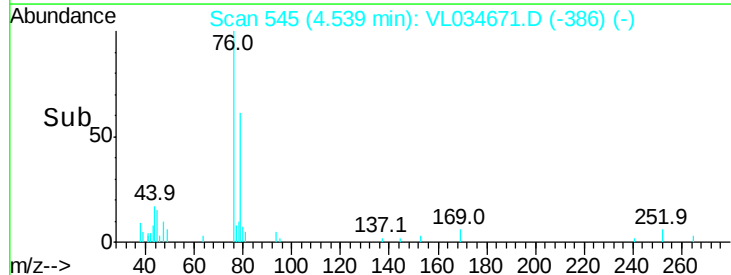
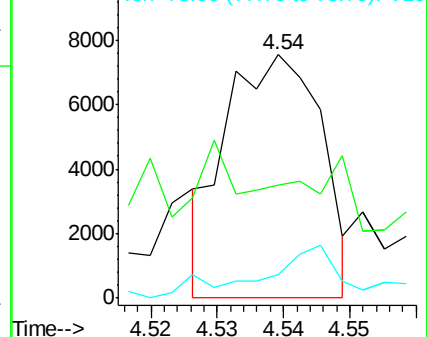


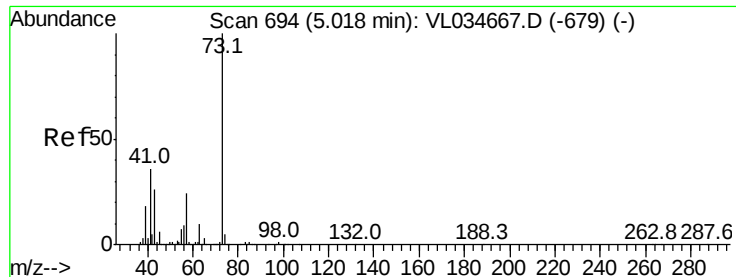
Abundance

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





#28

Methyl tert-Butyl Ether

Concen: 0.032 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

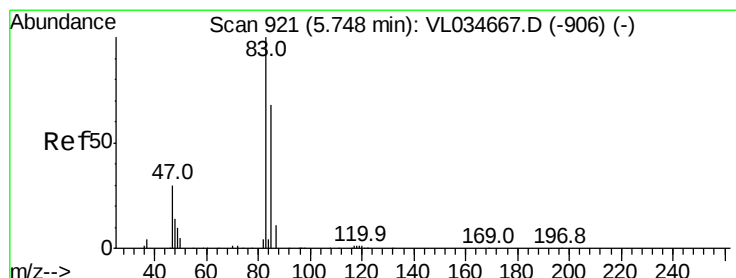
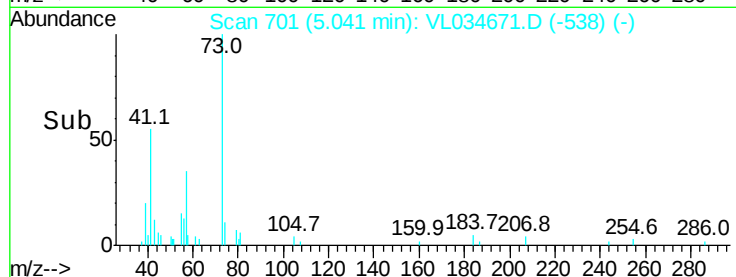
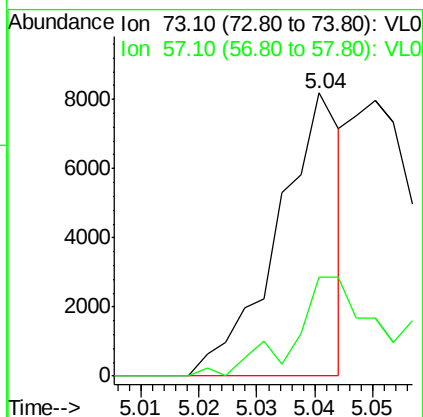
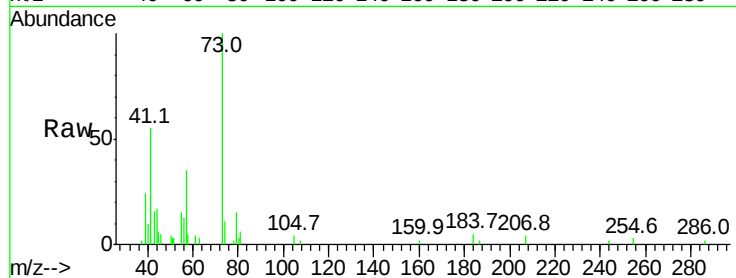
VSTDIC0.1

Tgt Ion: 73 Resp: 6240

Ion Ratio Lower Upper

73 100

57 56.8 18.7 28.1#



#29

Chloroform

Concen: 0.061 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL034671.D

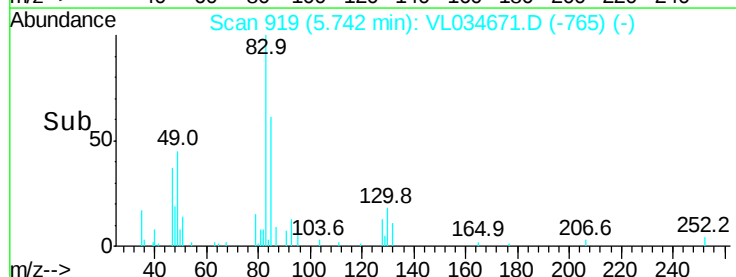
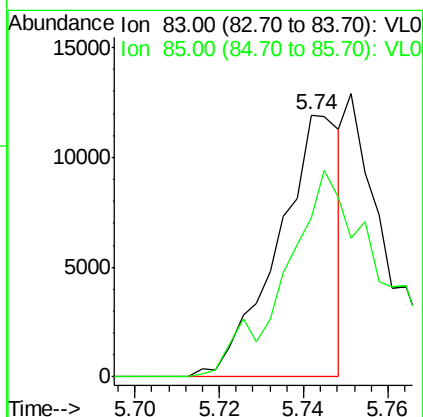
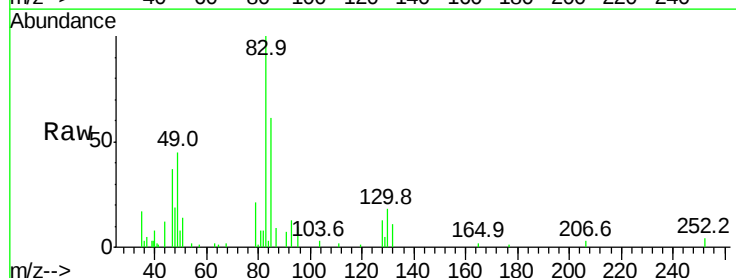
Acq: 25 Feb 2020 13:50

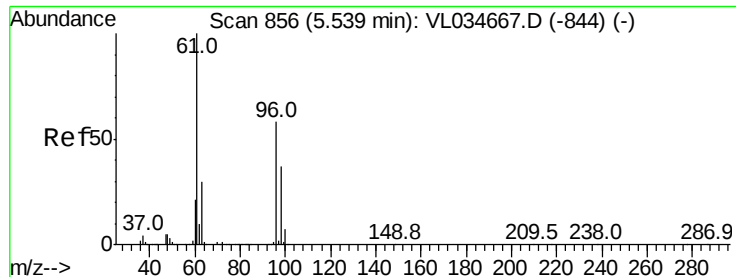
Tgt Ion: 83 Resp: 12234

Ion Ratio Lower Upper

83 100

85 60.5 54.7 82.1



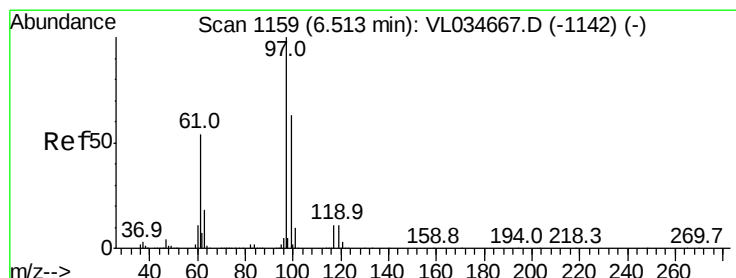
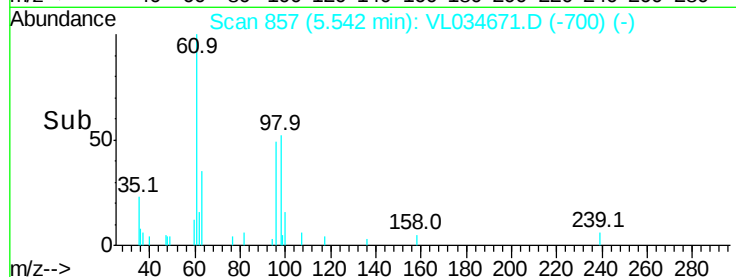
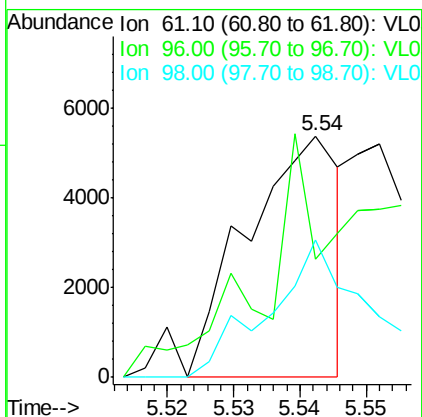
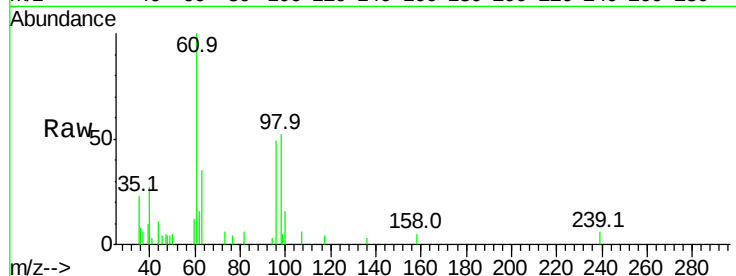


#31

cis-1,2-Dichloroethene
 Concen: 0.044 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

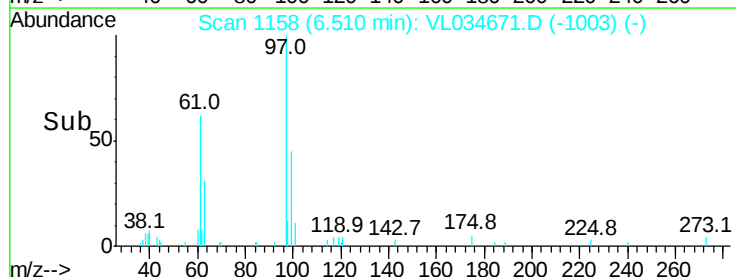
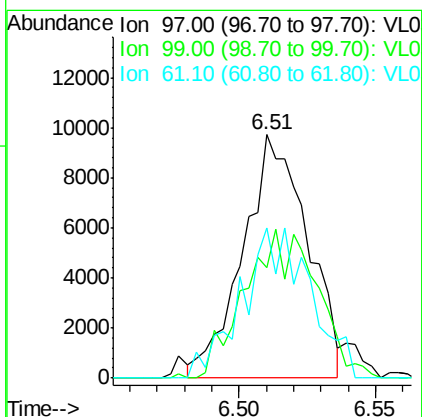
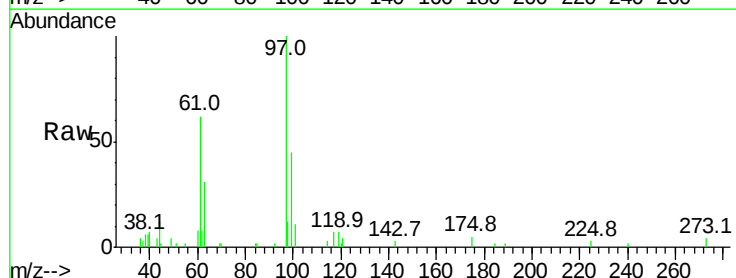
Tgt Ion	Ratio	Lower	Upper
61	100		
96	30.7	46.6	69.8#
98	49.1	29.3	43.9#

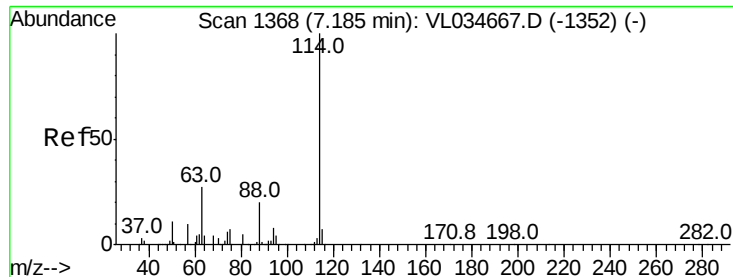


#32

1,1,1-Trichloroethane
 Concen: 0.074 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.2	78.2
61	65.1	44.5	66.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.00 min

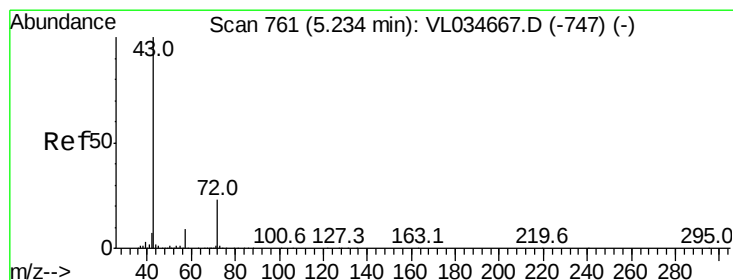
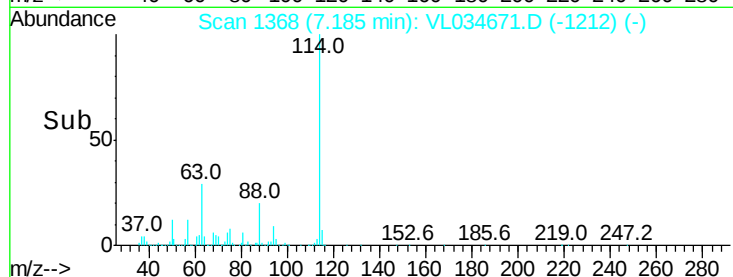
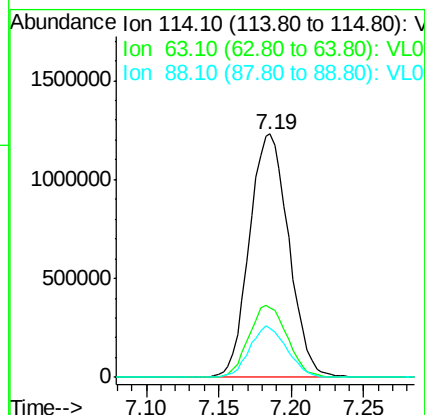
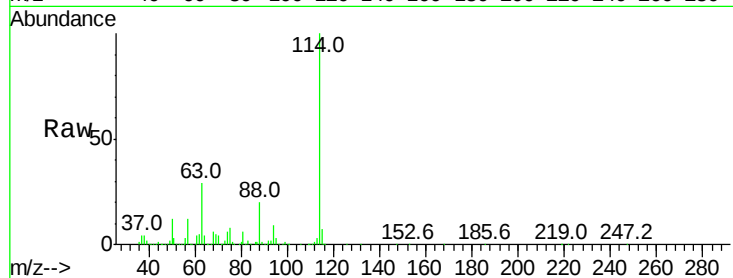
Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.1

Tgt Ion:114 Resp: 2327500

Ion	Ratio	Lower	Upper
114	100		
63	29.0	23.1	34.7
88	19.9	15.6	23.4



#34

2-Butanone

Concen: 0.078 ppbv

RT: 5.27 min Scan# 771

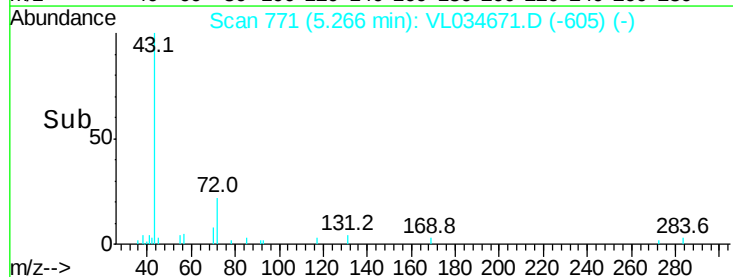
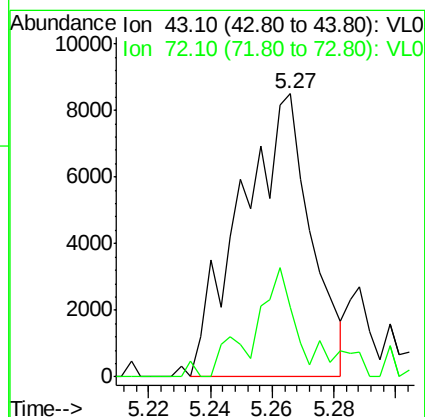
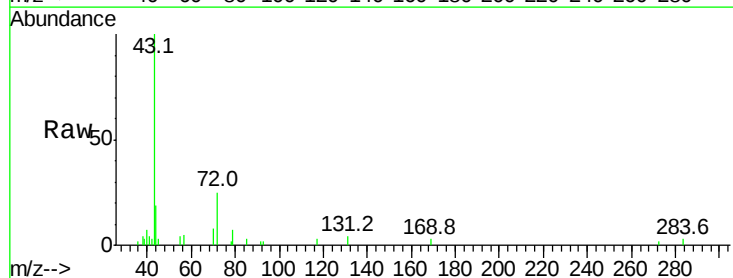
Delta R.T. 0.03 min

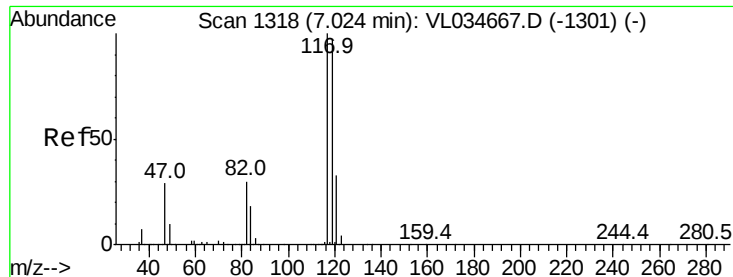
Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Tgt Ion: 43 Resp: 13204

Ion	Ratio	Lower	Upper
43	100		
72	29.5	17.8	26.8#





#35

Carbon Tetrachloride

Concen: 0.074 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

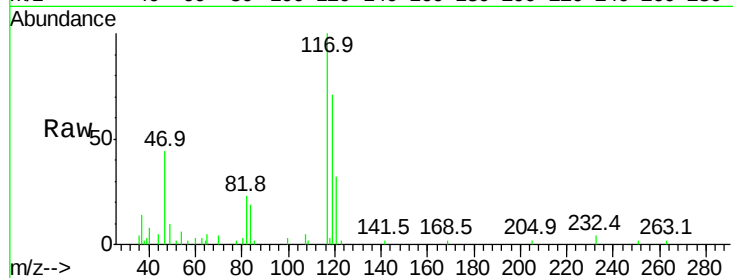
Tgt Ion:117 Resp: 16465

Ion Ratio Lower Upper

117 100

119 69.5 77.2 115.8#

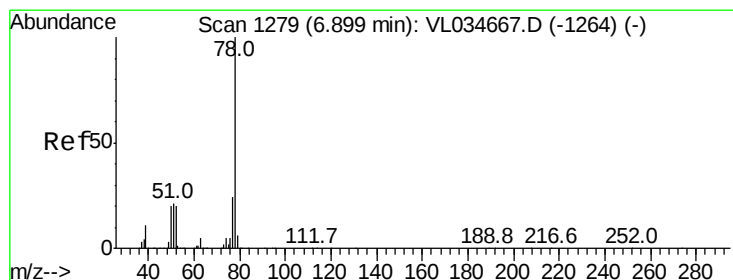
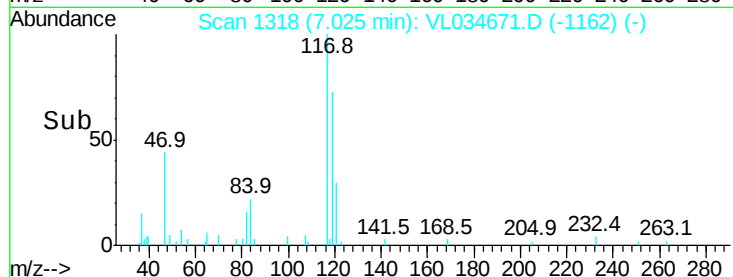
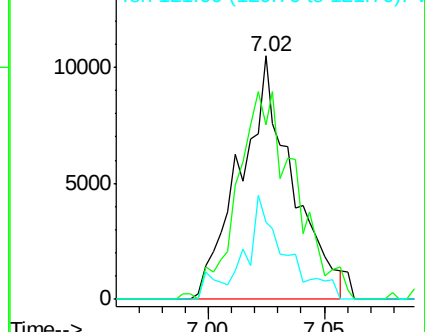
121 31.7 26.1 39.1



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: 0.065 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

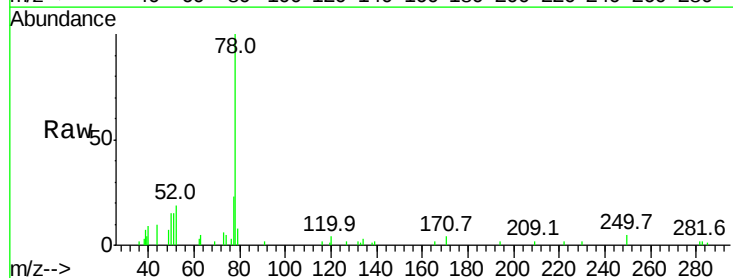
Tgt Ion: 78 Resp: 13464

Ion Ratio Lower Upper

78 100

77 18.4 19.2 28.8#

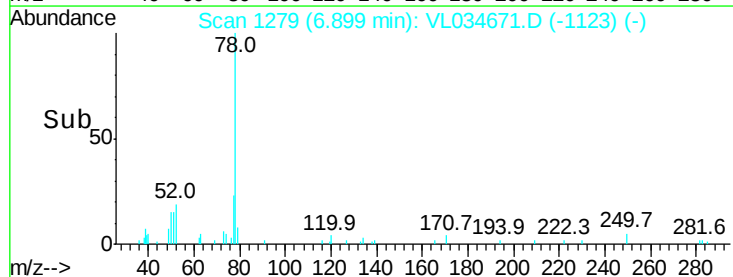
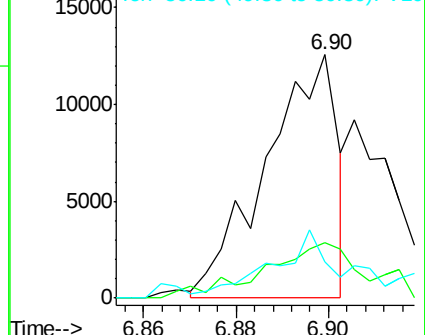
50 13.3 15.9 23.9#

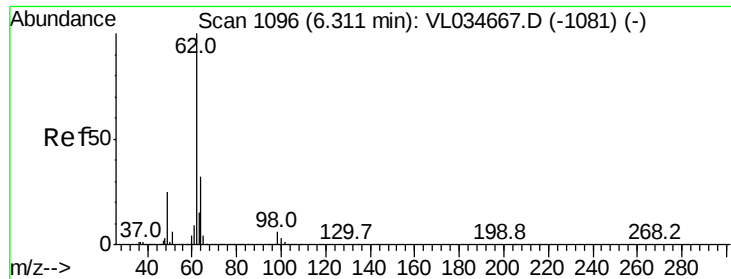


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

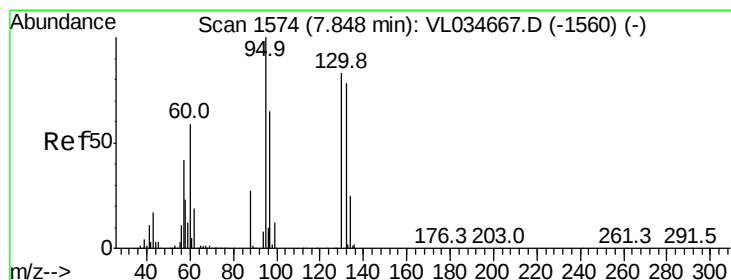
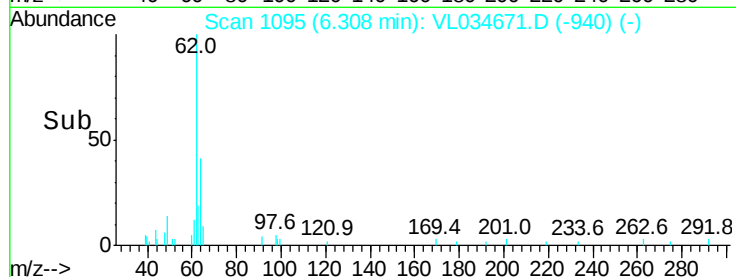
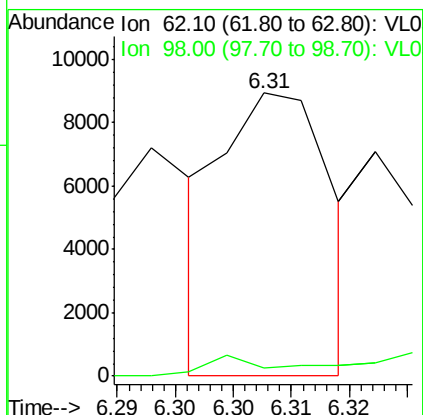
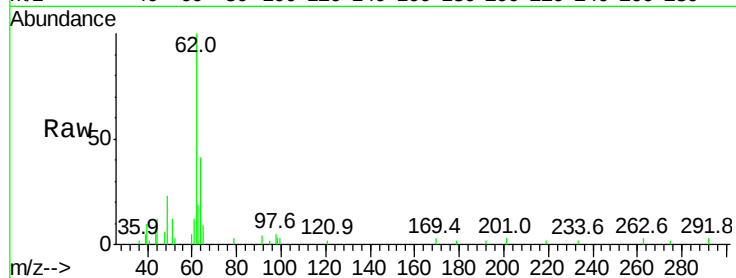




#37
 1,2-Dichloroethane
 Concen: 0.034 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

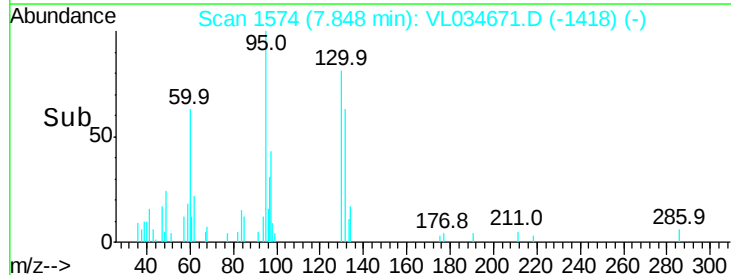
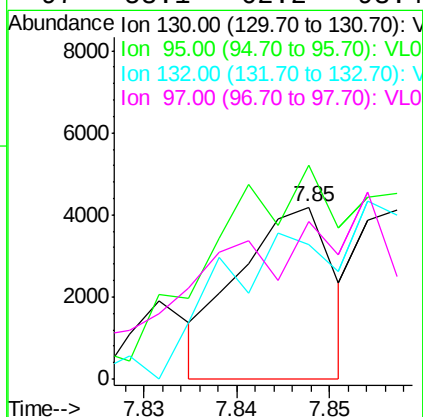
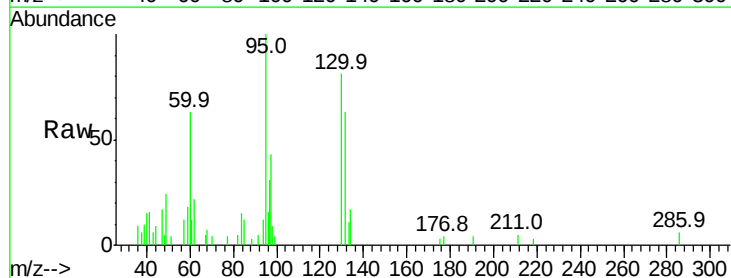
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

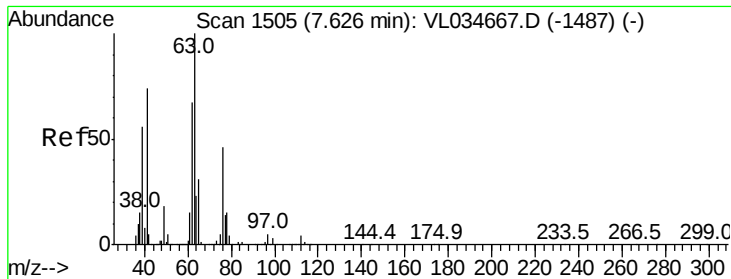
Tgt Ion: 62 Resp: 5825
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.5 6.7#



#38
 Trichloroethene
 Concen: 0.034 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

Tgt Ion: 130 Resp: 2956
 Ion Ratio Lower Upper
 130 100
 95 114.2 96.1 144.1
 132 67.1 74.6 112.0#
 97 58.1 62.2 93.4#





#39

1,2-Dichloropropane

Concen: 7.821 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.44 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

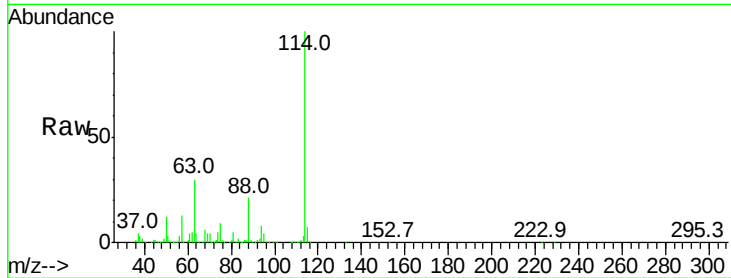
Tgt Ion: 63 Resp: 671041

Ion Ratio Lower Upper

63 100

41 0.0 58.9 88.3#

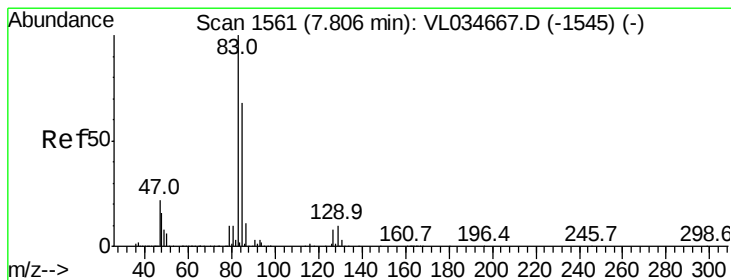
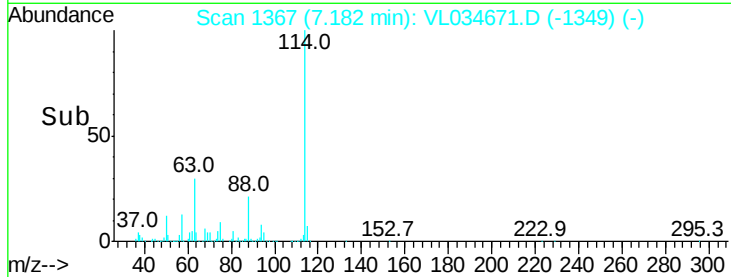
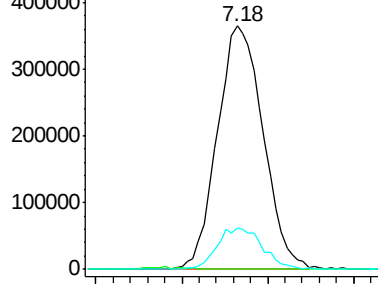
62 16.8 53.8 80.8#



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: 0.066 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

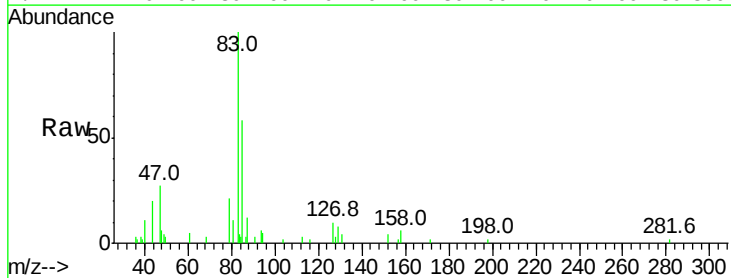
Tgt Ion: 83 Resp: 14034

Ion Ratio Lower Upper

83 100

85 53.5 54.2 81.4#

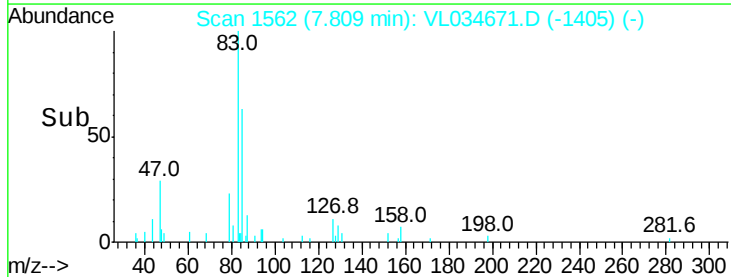
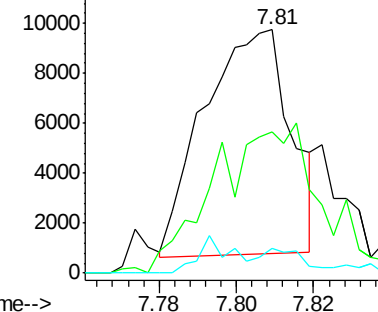
127 11.0 6.2 9.4#

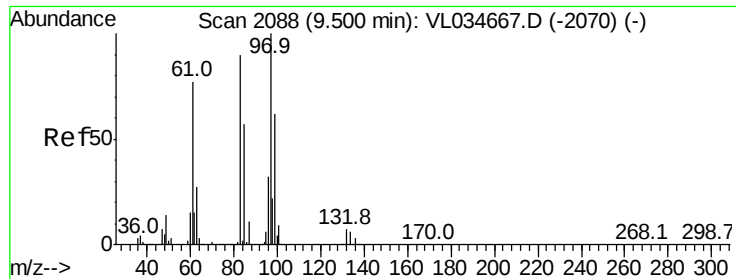


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

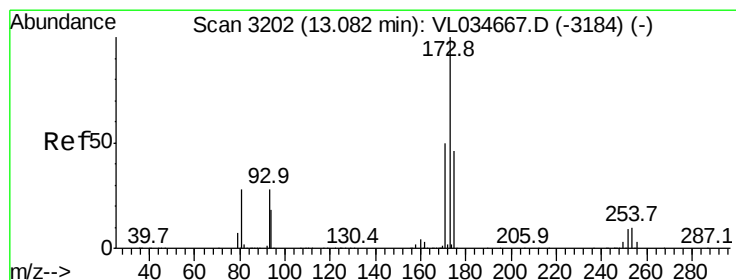
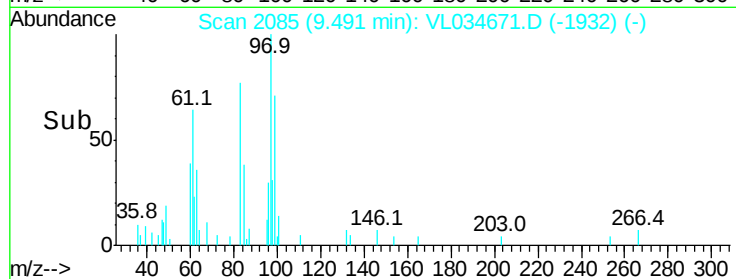
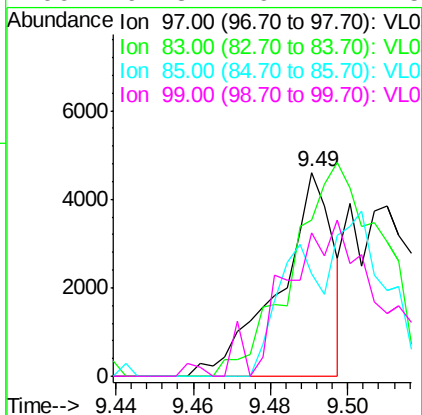
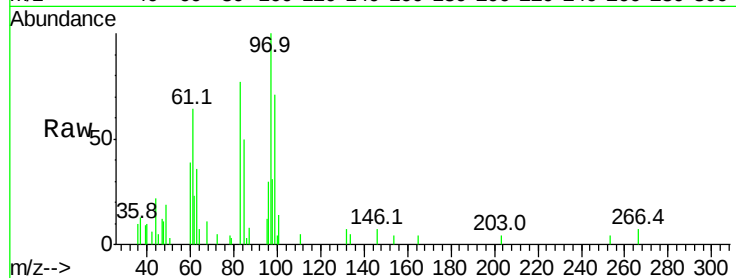




#47
 1,1,2-Trichloroethane
 Concen: 0.048 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. -0.01 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

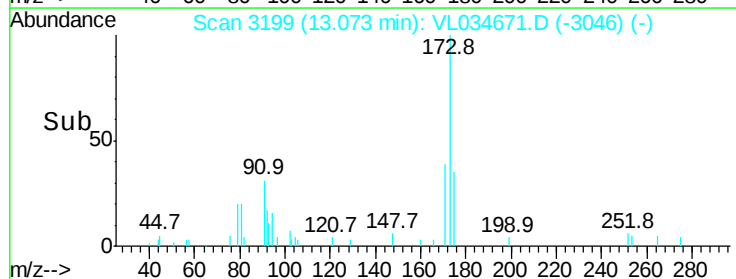
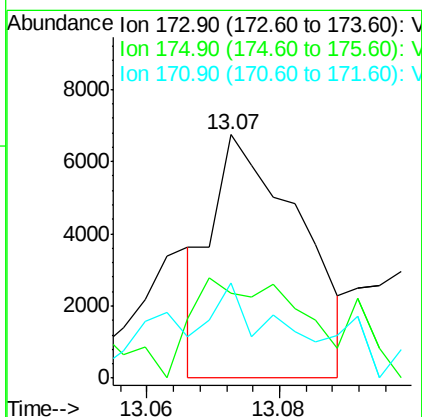
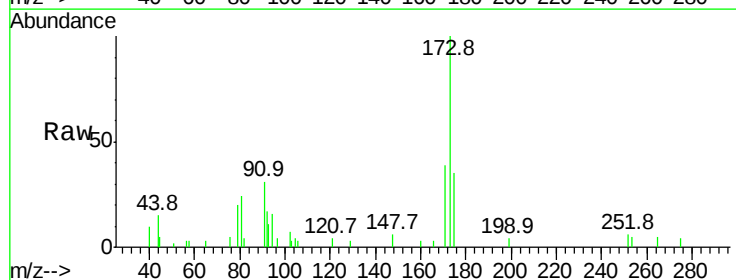
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

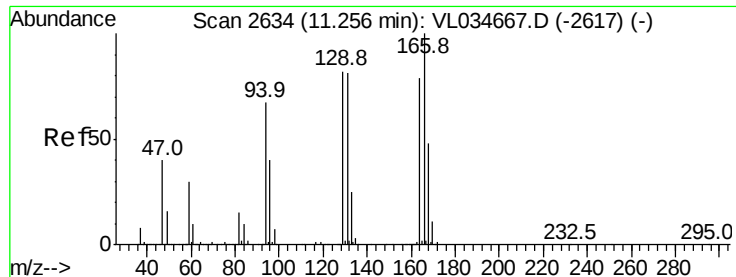
Tgt Ion:	97	Resp:	4443
Ion	Ratio	Lower	Upper
97	100		
83	76.6	72.3	108.5
85	50.3	45.8	68.8
99	64.3	49.7	74.5



#49
 Bromoform
 Concen: 0.041 ppbv
 RT: 13.07 min Scan# 3199
 Delta R.T. -0.01 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

Tgt Ion:	173	Resp:	6191
Ion	Ratio	Lower	Upper
173	100		
175	74.9	39.0	58.4#
171	70.3	41.0	61.6#





#52

Tetrachloroethene

Concen: 0.069 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. -0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:164 Resp: 5718

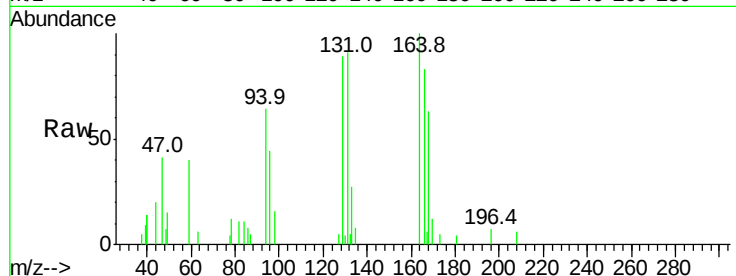
Ion Ratio Lower Upper

164 100

166 68.2 101.4 152.2#

129 63.9 83.5 125.3#

131 86.2 83.0 124.4

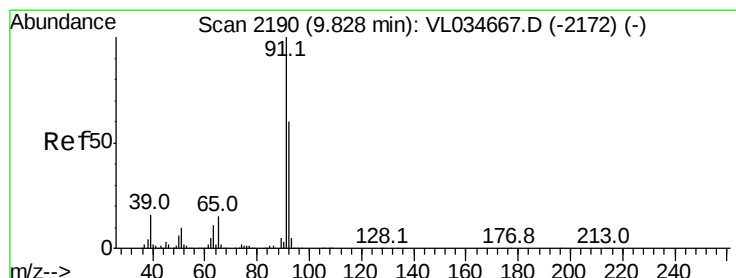
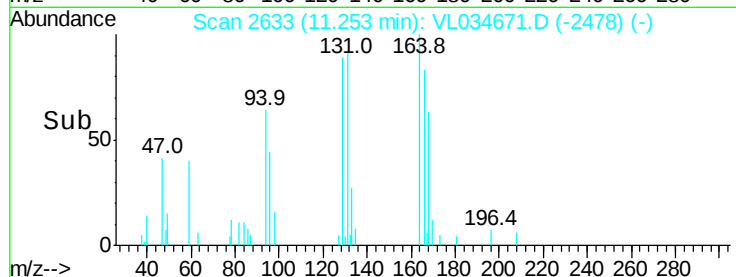
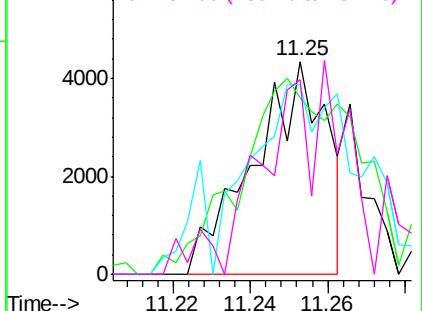


Abundance Ion 163.90 (163.60 to 164.60): V

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



#53

Toluene

Concen: 0.043 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034671.D

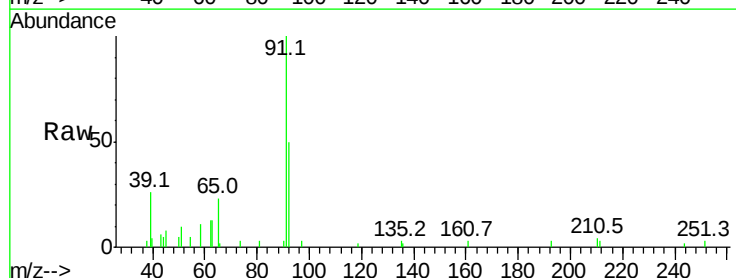
Acq: 25 Feb 2020 13:50

Tgt Ion: 91 Resp: 9709

Ion Ratio Lower Upper

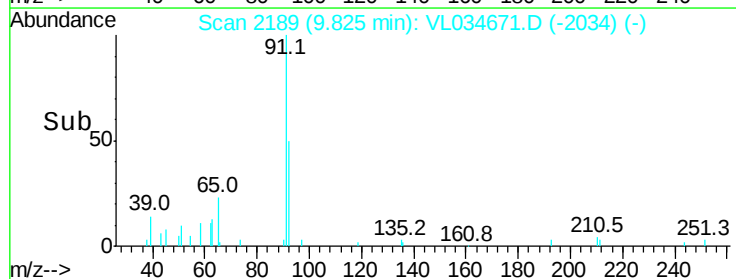
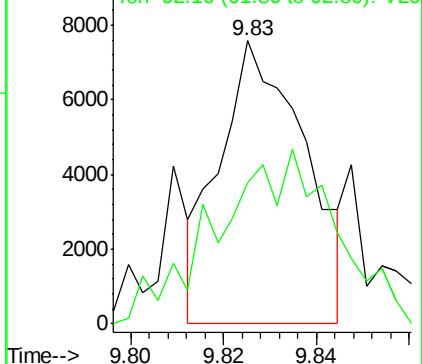
91 100

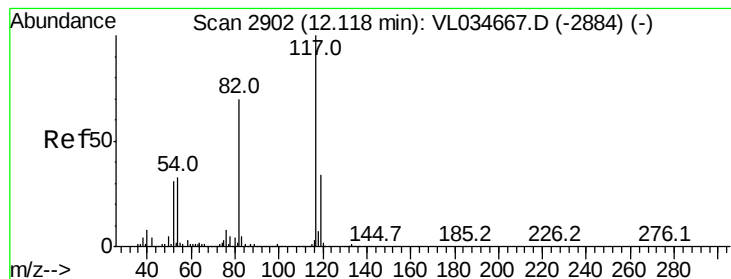
92 86.6 48.2 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

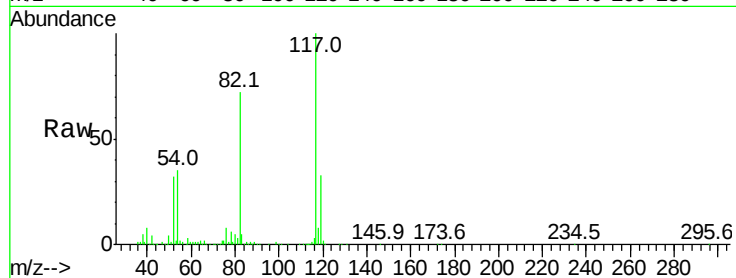
Tgt Ion:117 Resp: 2306538

Ion Ratio Lower Upper

117 100

82 70.1 54.2 81.4

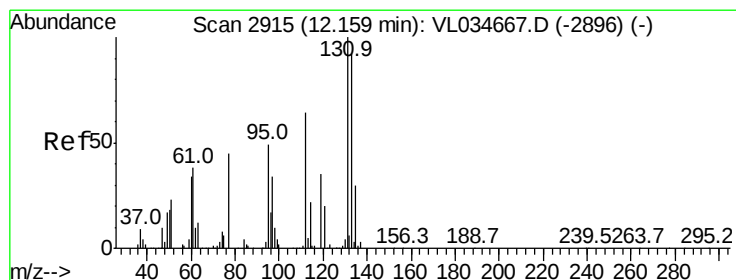
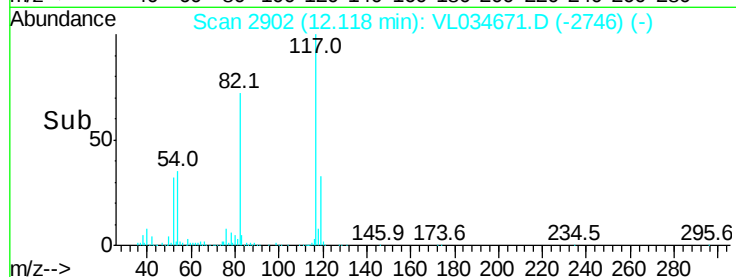
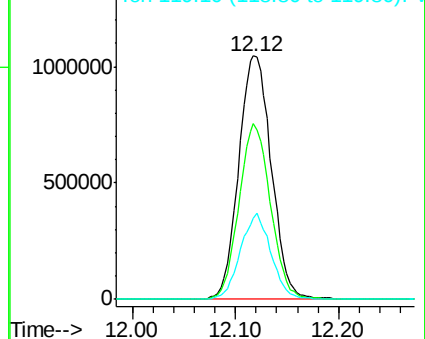
119 33.3 44.2 66.2#



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



#56

1,1,1,2-Tetrachloroethane

Concen: 0.043 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

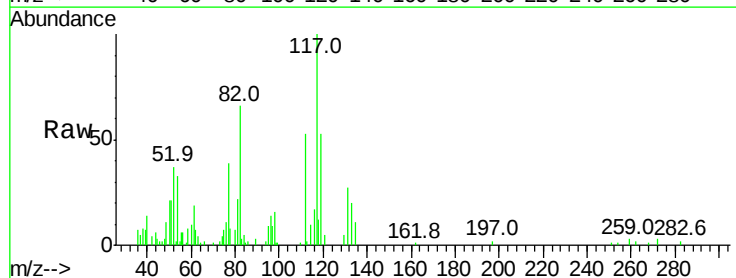
Tgt Ion:131 Resp: 4887

Ion Ratio Lower Upper

131 100

133 190.6 77.0 115.4#

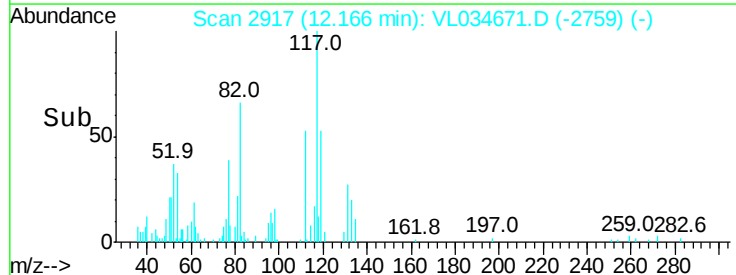
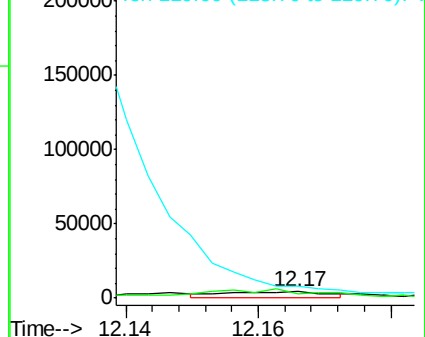
119 0.0 114.8 172.2#

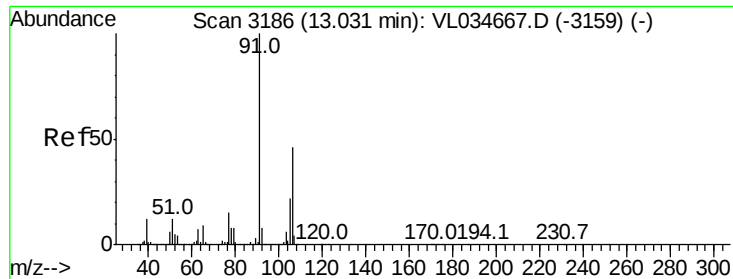


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#59

m/p-Xylene

Concen: 0.042 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

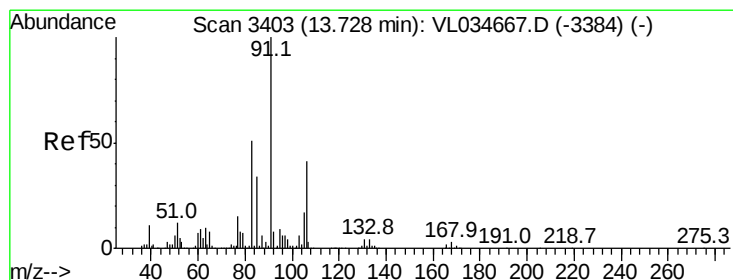
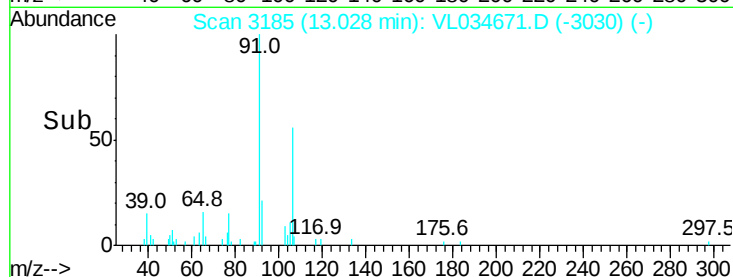
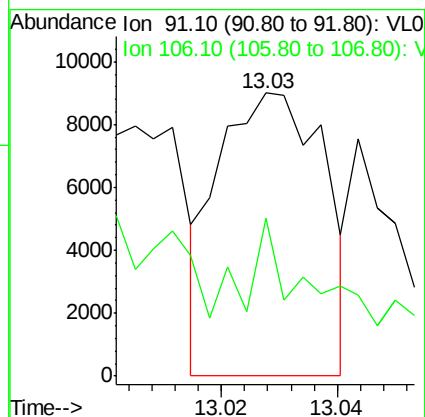
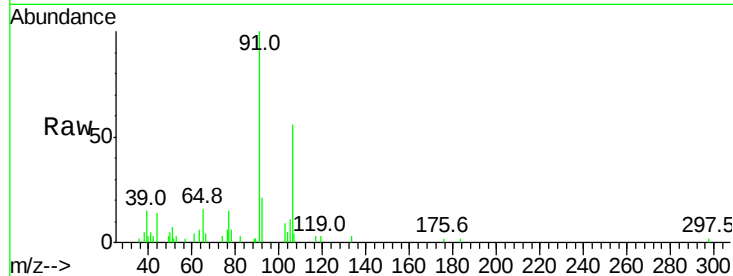
VSTDIC0.1

Tgt Ion: 91 Resp: 11461

Ion Ratio Lower Upper

91 100

106 0.0 35.9 53.9#



#60

o-Xylene

Concen: 0.037 ppbv

RT: 13.73 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VL034671.D

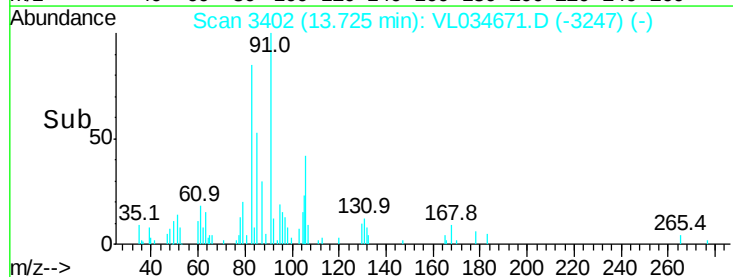
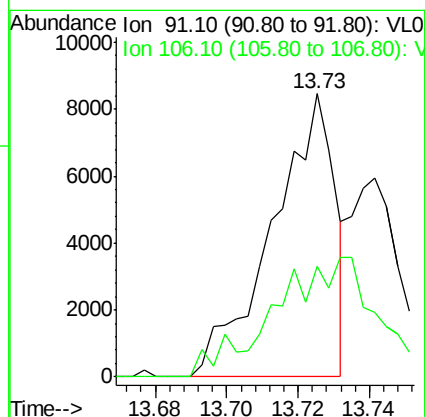
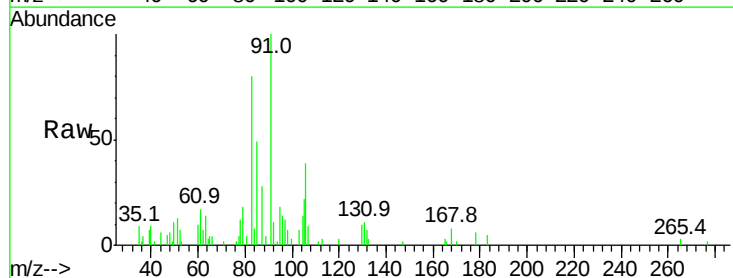
Acq: 25 Feb 2020 13:50

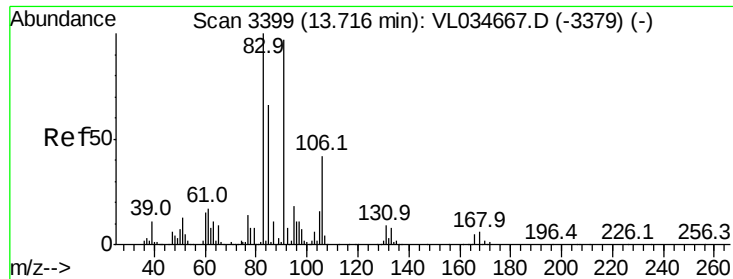
Tgt Ion: 91 Resp: 10239

Ion Ratio Lower Upper

91 100

106 0.0 22.1 66.1#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.058 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

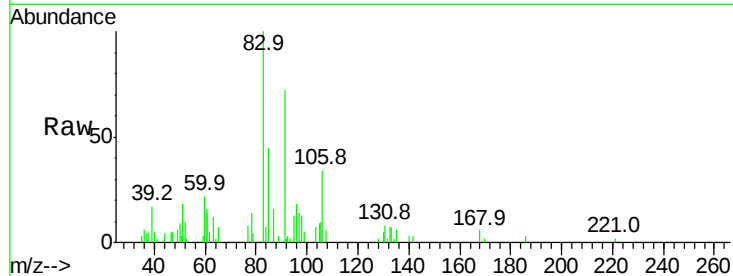
Tgt Ion: 83 Resp: 12327

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.4#

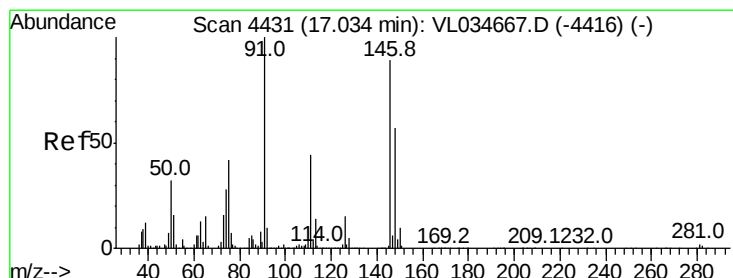
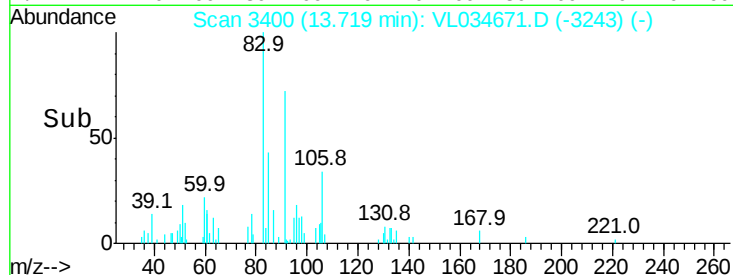
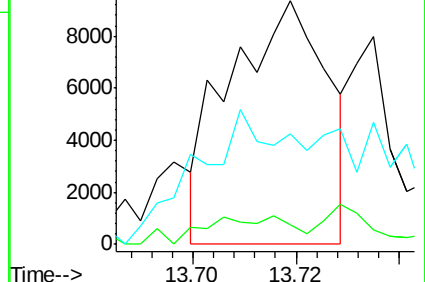
85 105.1 32.6 98.0#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#66

Benzyl Chloride

Concen: 0.040 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

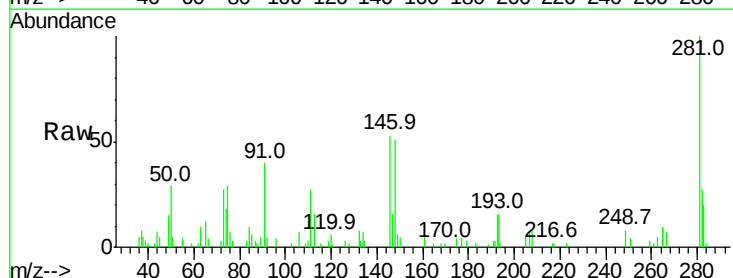
Tgt Ion: 91 Resp: 5419

Ion Ratio Lower Upper

91 100

126 16.3 13.3 19.9

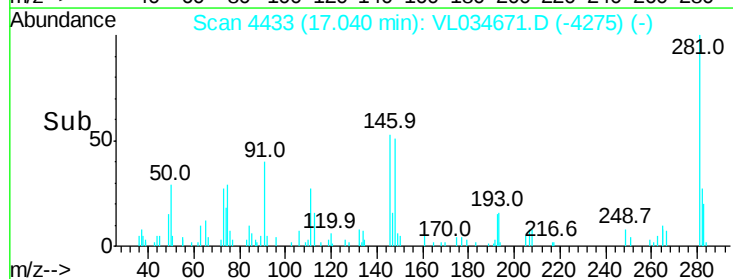
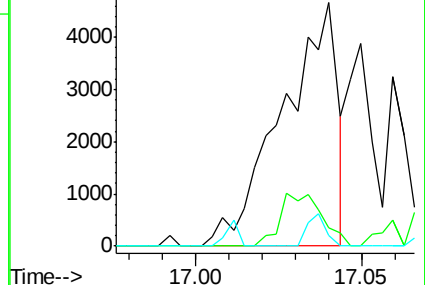
128 6.9 4.2 6.2#

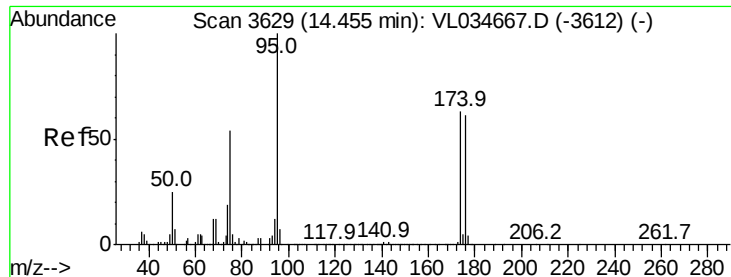


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

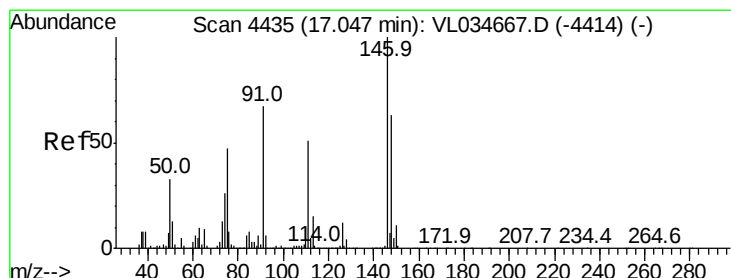
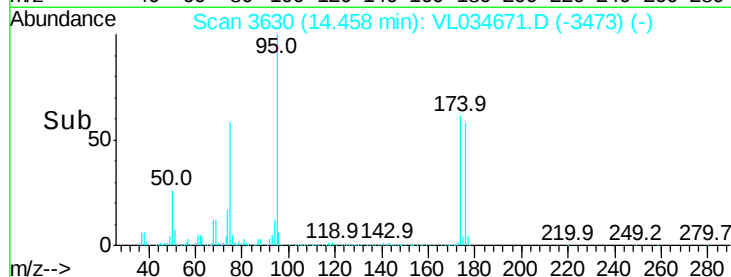
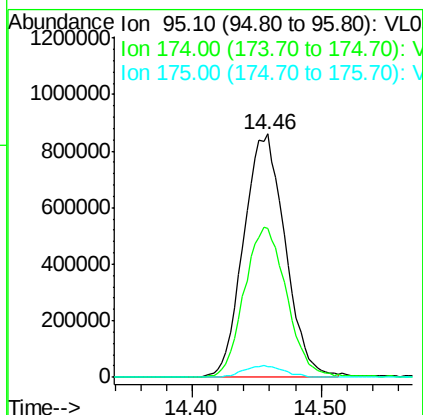
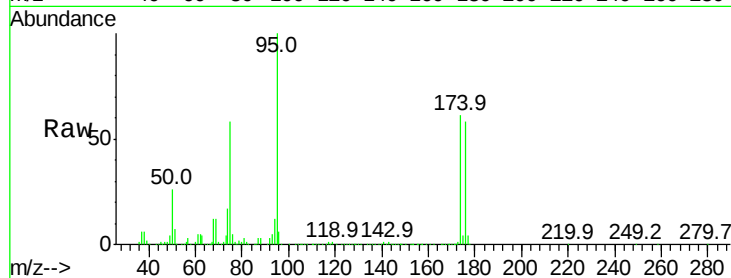




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.916 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

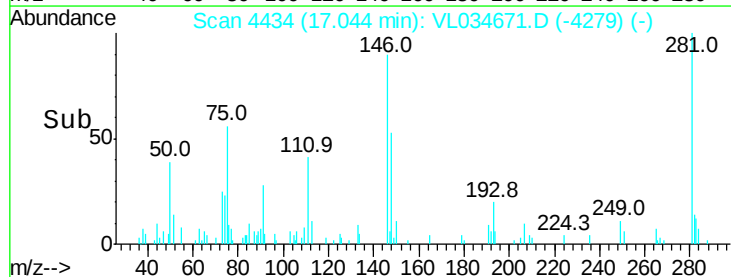
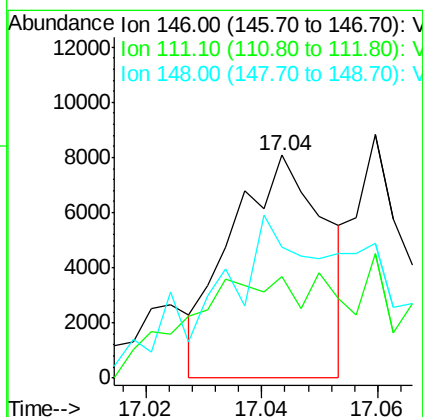
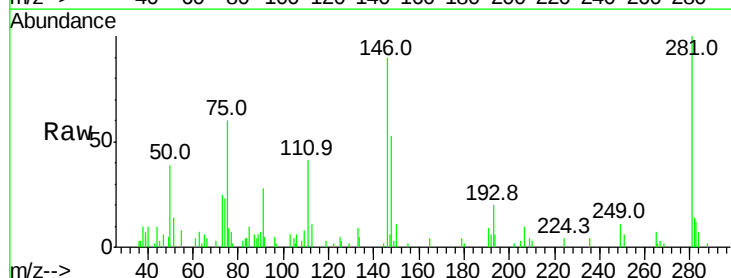
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

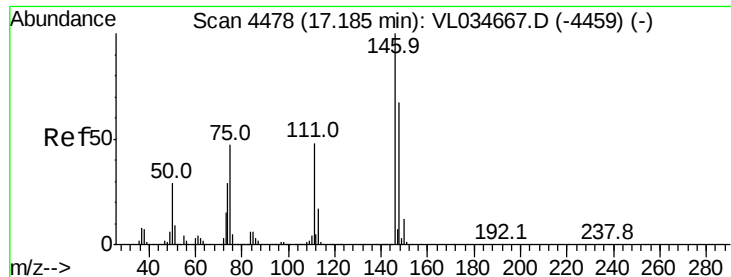
Tgt Ion: 95 Resp: 1932894
 Ion Ratio Lower Upper
 95 100
 174 63.1 51.2 76.8
 175 4.8 3.8 5.6



#75
 1,3-Dichlorobenzene
 Concen: 0.049 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.00 min
 Lab File: VL034671.D
 Acq: 25 Feb 2020 13:50

Tgt Ion: 146 Resp: 9127
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.0 72.0#
 148 145.4 32.1 96.5#





#76

1,4-Dichlorobenzene

Concen: 0.055 ppbv

RT: 17.19 min Scan# 4479

Delta R.T. 0.00 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

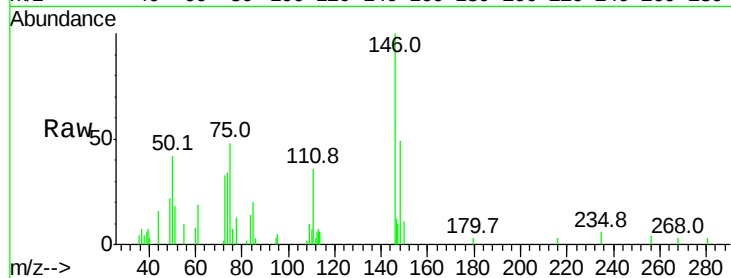
Tgt Ion:146 Resp: 10191

Ion Ratio Lower Upper

146 100

111 0.0 23.8 71.2#

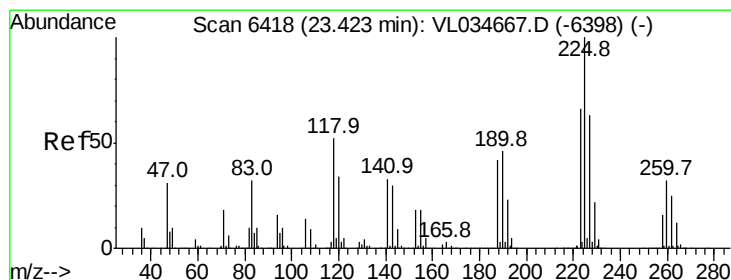
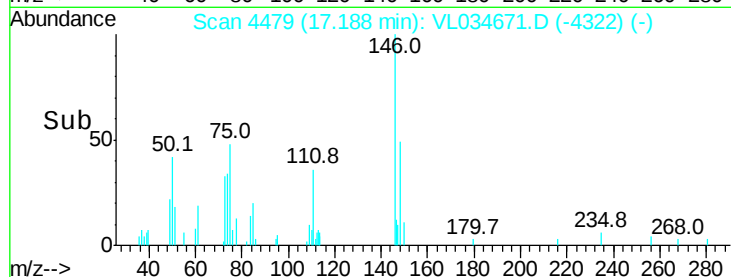
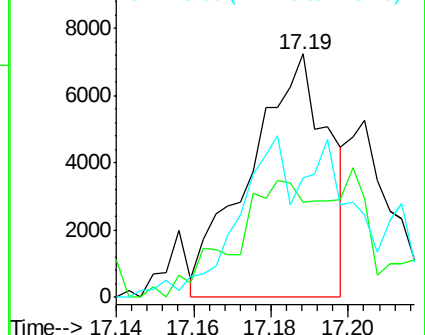
148 102.6 32.3 96.9#



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: 0.072 ppbv

RT: 23.43 min Scan# 6421

Delta R.T. 0.01 min

Lab File: VL034671.D

Acq: 25 Feb 2020 13:50

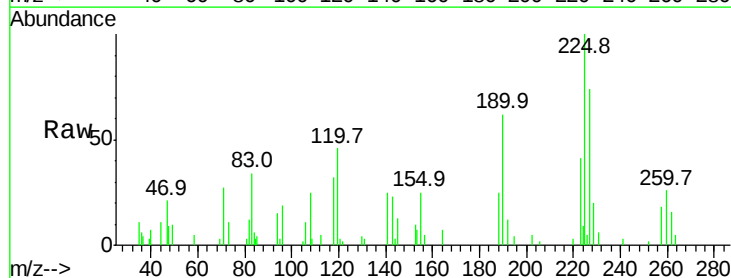
Tgt Ion:225 Resp: 12323

Ion Ratio Lower Upper

225 100

223 75.3 50.4 75.6

227 97.6 51.8 77.8#



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

