

Data File : VL031867.D

Acq On : 12 Apr 2018 16:08

Operator : SY/AP

Sample : J2191-01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218

Quant Time: Apr 14 01:35:42 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018

QLast Update : Fri Apr 13 16:50:02 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1183560	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2388800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2346802	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	1916591	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

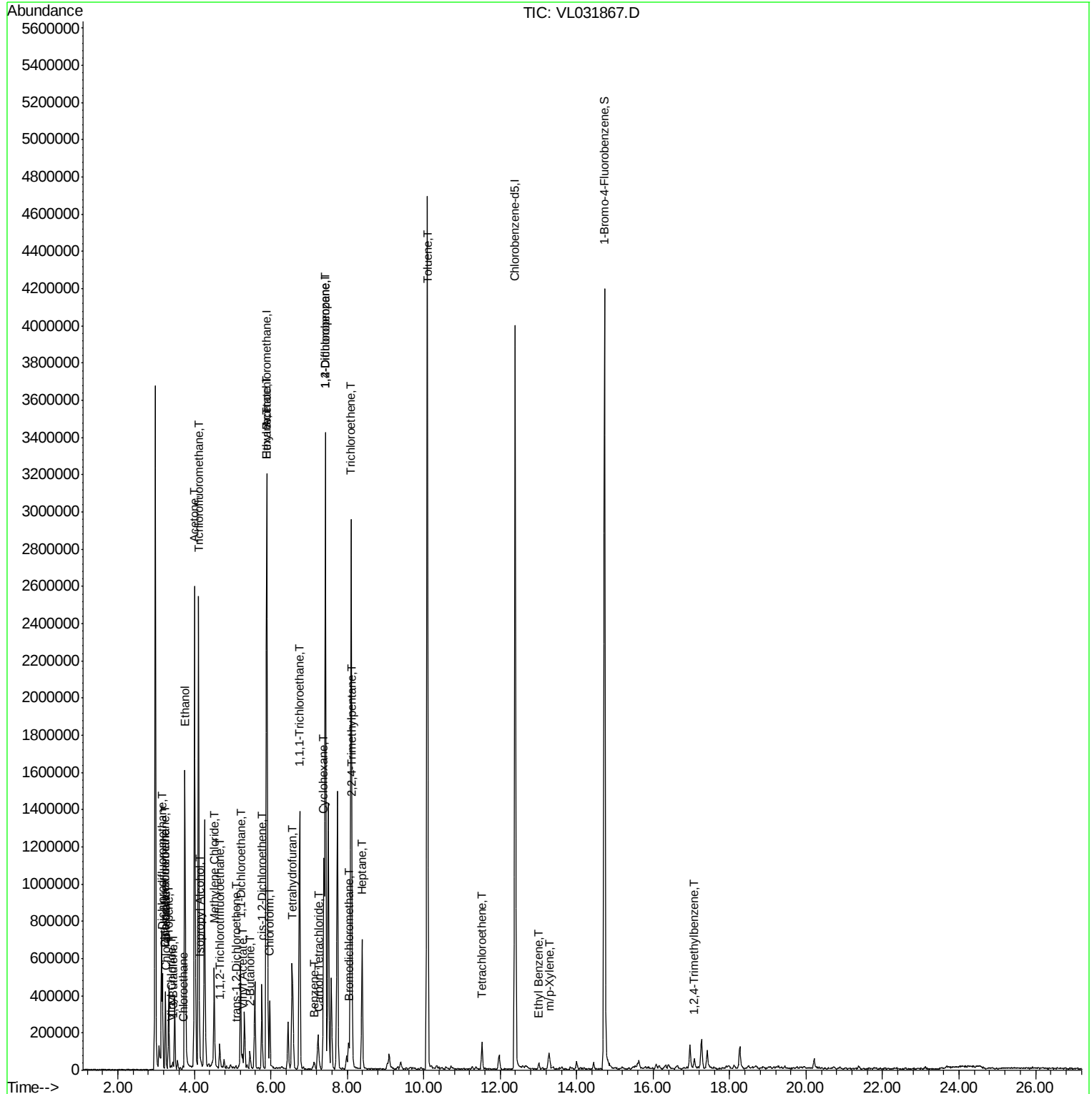
Target Compounds

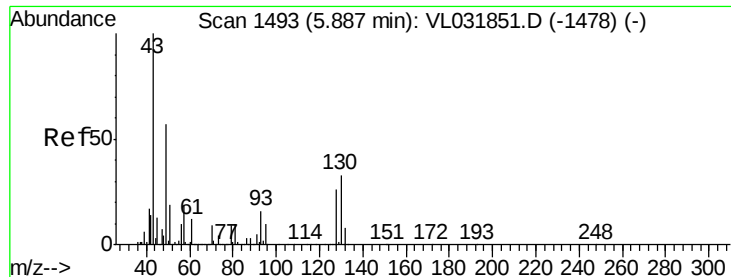
						Qvalue
2) Dichlorodifluoromethane	3.16	85	354878	1.45	ppbv	99
3) Chlorodifluoromethane	3.24	51	4459	0.03	ppbv	100
4) Chloromethane	3.26	50	7842	0.11	ppbv #	75
5) Vinyl Chloride	3.39	62	7186	0.09	ppbv	89
7) Chloroethane	3.69	64	4503	0.14	ppbv #	50
8) Dichlorotetrafluoroethane	3.24	85	32128	0.16	ppbv #	24
9) Propene	3.33	41	118249	2.48	ppbv	97
10) Heptane	8.39	43	256955	1.66	ppbv	100
11) Trichlorofluoromethane	4.11	101	1703028	7.12	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.67	101	43691	0.28	ppbv	98
13) Ethanol	3.75	45	1804551	111.71	ppbv	99
15) Acetone	4.00	43	2741121	15.05	ppbv	97
16) 1,3-Butadiene	3.44	39	6841	0.10	ppbv #	21
19) Isopropyl Alcohol	4.14	45	27786	0.27	ppbv #	1
20) Methylene Chloride	4.52	84	185047	2.79	ppbv	90
22) trans-1,2-Dichloroethene	5.08	96	2103	0.03	ppbv #	60
23) Vinyl Acetate	5.27	43	6544	0.04	ppbv #	40
24) 1,1-Dichloroethane	5.21	63	450916	2.45	ppbv	97
25) Ethyl Acetate	5.91	43	360912	1.27	ppbv #	83
26) Hexane	5.91	57	466022	3.52	ppbv #	47
29) Chloroform	5.97	83	240965	1.07	ppbv	97
30) Cyclohexane	7.39	84	363355	3.84	ppbv	95
31) cis-1,2-Dichloroethene	5.77	61	239596	2.00	ppbv	96
32) 1,1,1-Trichloroethane	6.75	97	818529	3.74	ppbv	99
34) 2-Butanone	5.45	43	98960	0.60	ppbv	96
35) Carbon Tetrachloride	7.27	117	15422	0.07	ppbv #	77
36) Benzene	7.14	78	17871	0.08	ppbv #	87
38) Trichloroethene	8.10	130	867389	9.95	ppbv	96
39) 1,2-Dichloropropane	7.43	63	641306	8.03	ppbv #	21
41) Tetrahydrofuran	6.56	42	34377	0.45	ppbv #	38
42) Bromodichloromethane	8.05	83	7082	0.04	ppbv	94
44) 2,2,4-Trimethylpentane	8.13	57	35614	0.10	ppbv #	1
52) Tetrachloroethene	11.52	164	32023	0.38	ppbv	90
53) Toluene	10.09	91	3575637	14.92	ppbv	99
58) Ethyl Benzene	13.02	91	12271	0.04	ppbv	99
59) m/p-Xylene	13.29	91	26168	0.09	ppbv #	32
74) 1,2,4-Trimethylbenzene	17.07	105	11608	0.04	ppbv #	58

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL031867.D

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ClientSampleId :

GAC-INF-040218

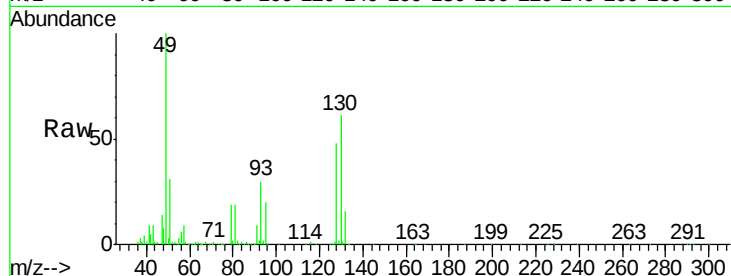
Tgt Ion: 49 Resp: 1183560

Ion Ratio Lower Upper

49 100

128 48.3 23.9 71.7

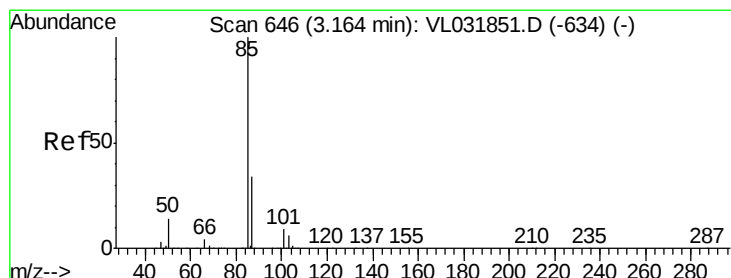
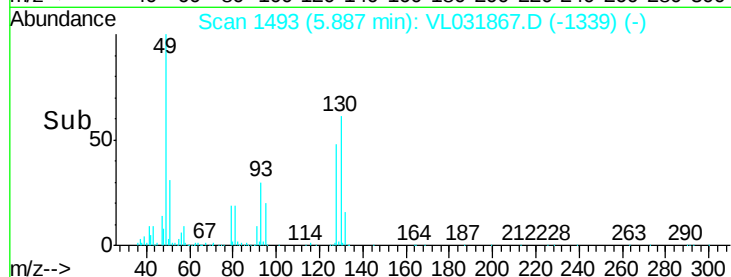
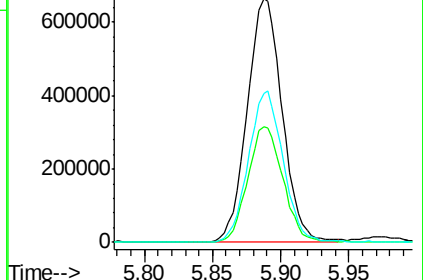
130 61.7 30.9 92.7



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



#2

Dichlorodifluoromethane

Concen: 1.45 ppbv

RT: 3.16 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL031867.D

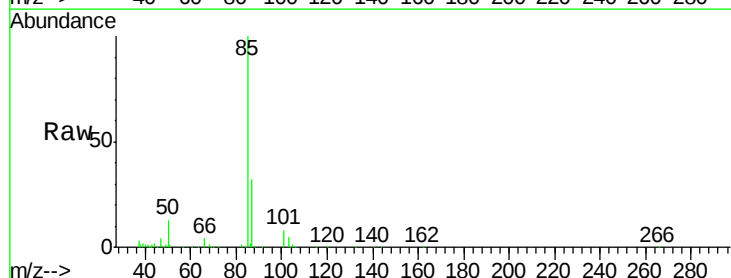
Acq: 12 Apr 2018 16:08

Tgt Ion: 85 Resp: 354878

Ion Ratio Lower Upper

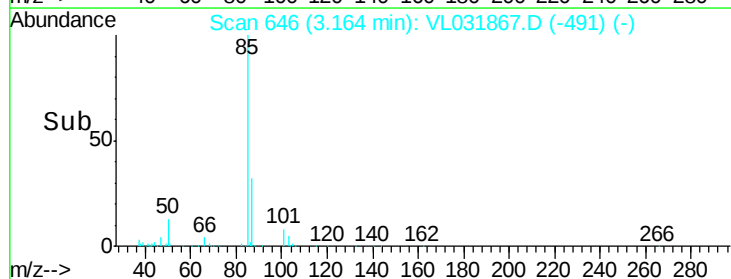
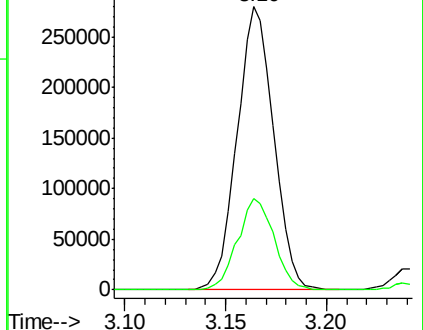
85 100

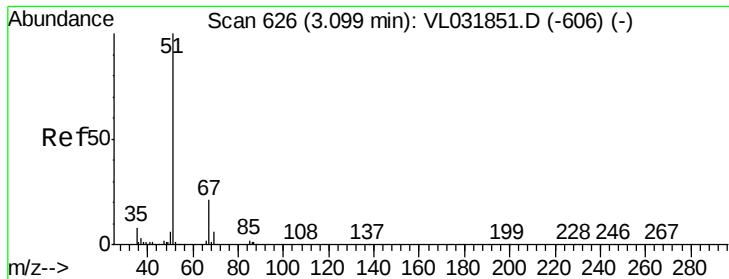
87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.24 min Scan# 670

Delta R.T. 0.14 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

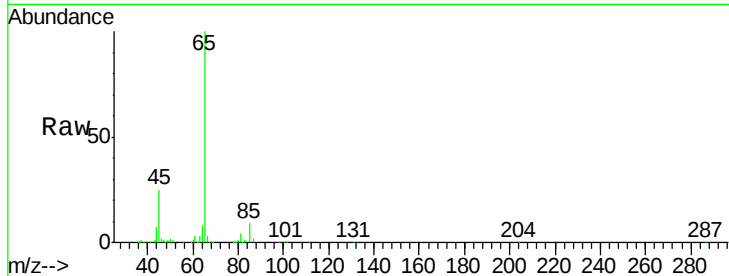
GAC-INF-040218

Tgt Ion: 51 Resp: 4459

Ion Ratio Lower Upper

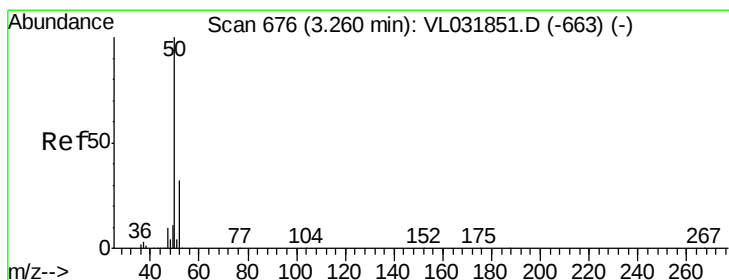
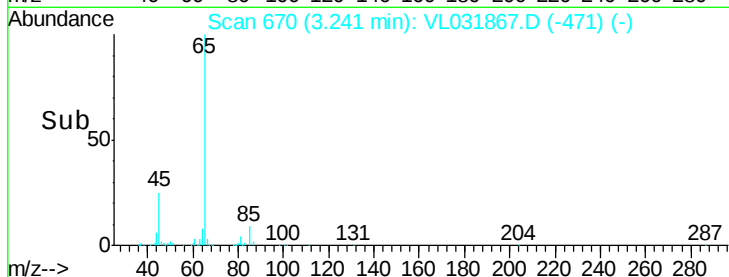
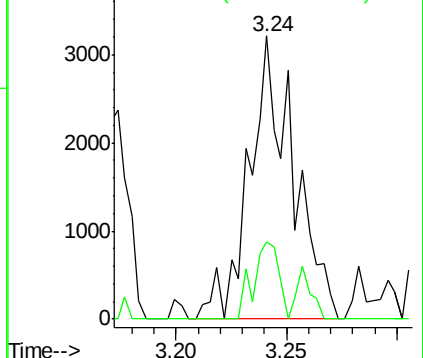
51 100

67 21.7 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.11 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031867.D

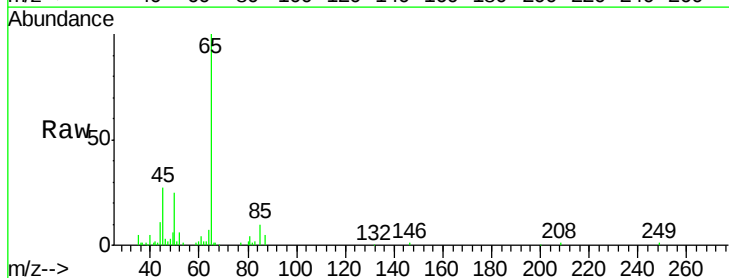
Acq: 12 Apr 2018 16:08

Tgt Ion: 50 Resp: 7842

Ion Ratio Lower Upper

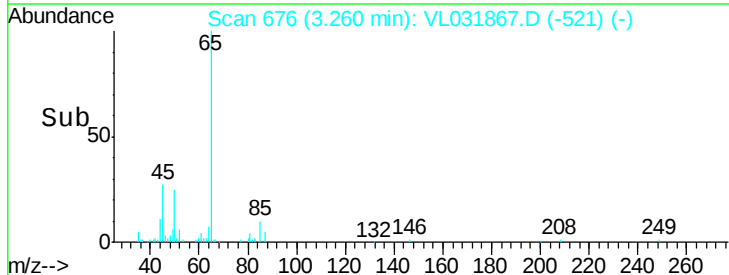
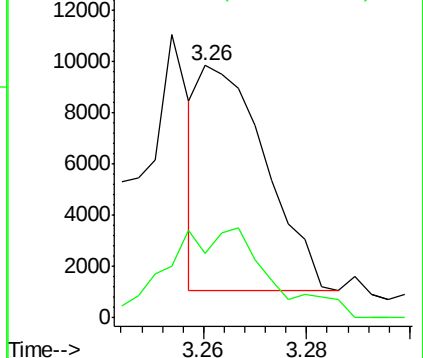
50 100

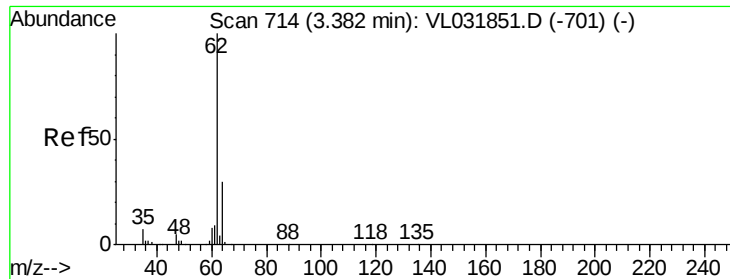
52 20.4 28.1 42.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.09 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

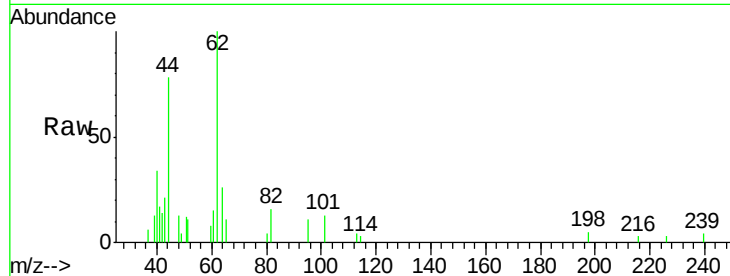
GAC-INF-040218

Tgt Ion: 62 Resp: 7186

Ion Ratio Lower Upper

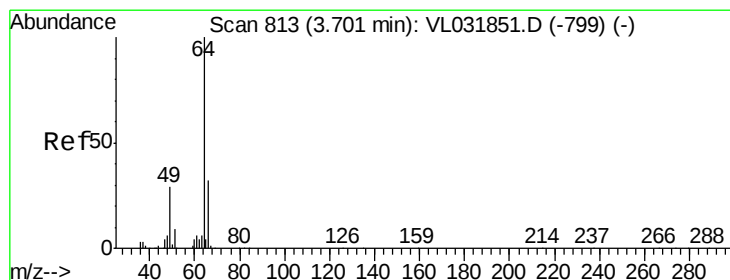
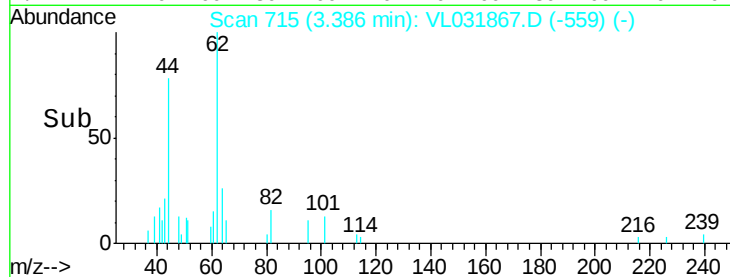
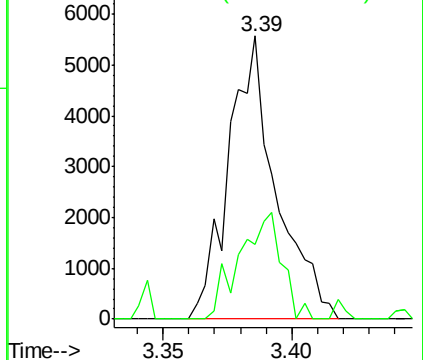
62 100

64 26.5 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 0.14 ppbv

RT: 3.69 min Scan# 811

Delta R.T. -0.00 min

Lab File: VL031867.D

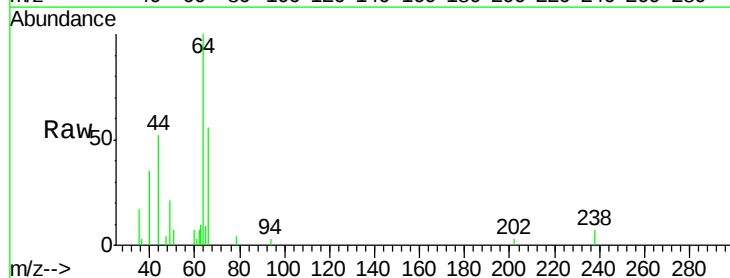
Acq: 12 Apr 2018 16:08

Tgt Ion: 64 Resp: 4503

Ion Ratio Lower Upper

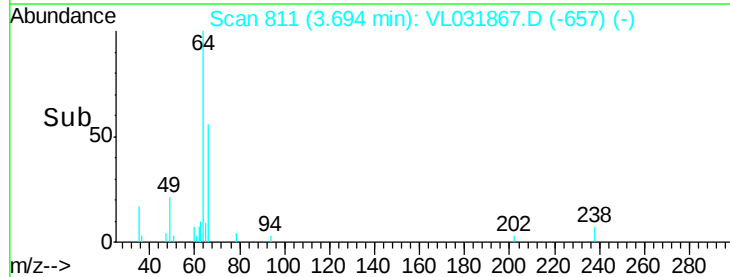
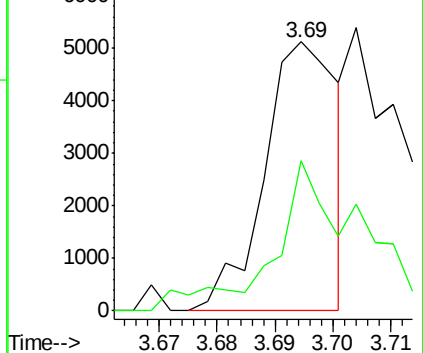
64 100

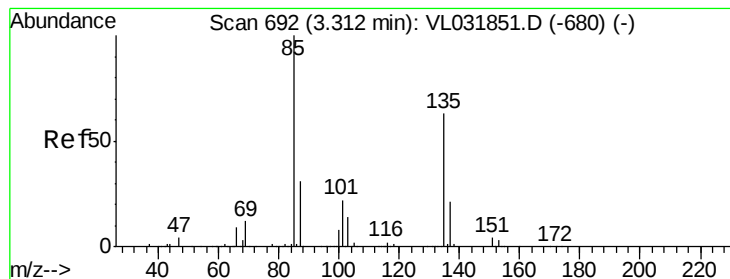
66 55.9 23.4 35.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.16 ppbv

RT: 3.24 min Scan# 671

Delta R.T. -0.07 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

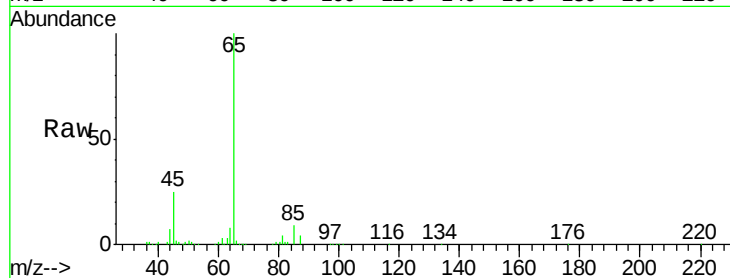
GAC-INF-040218

Tgt Ion: 85 Resp: 32128

Ion Ratio Lower Upper

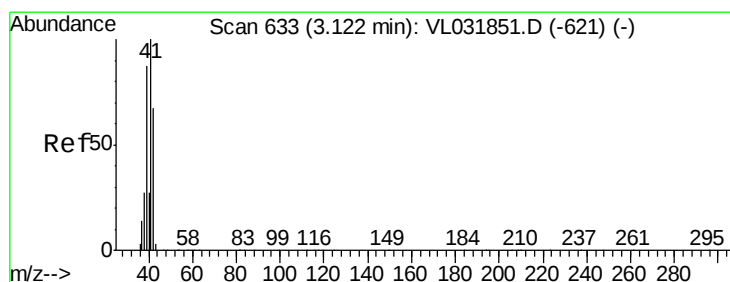
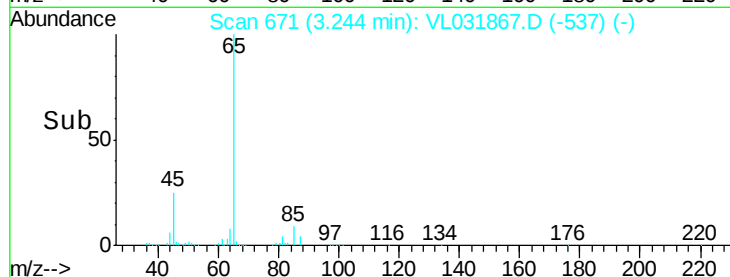
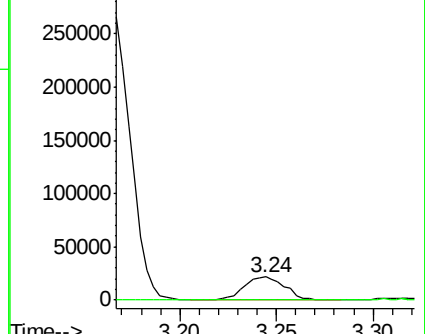
85 100

135 5.5 52.7 79.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 2.48 ppbv

RT: 3.33 min Scan# 698

Delta R.T. 0.21 min

Lab File: VL031867.D

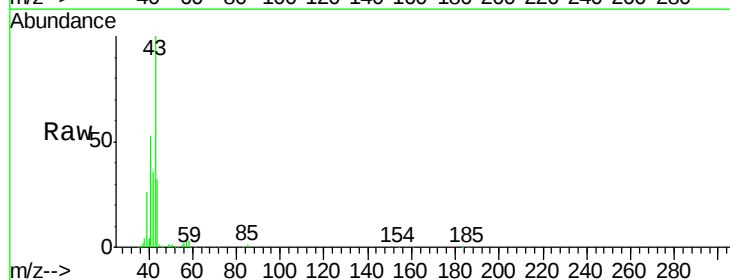
Acq: 12 Apr 2018 16:08

Tgt Ion: 41 Resp: 118249

Ion Ratio Lower Upper

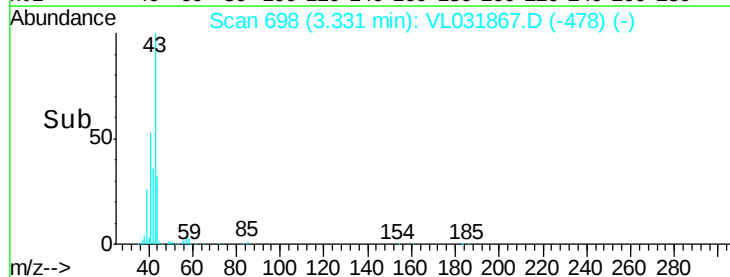
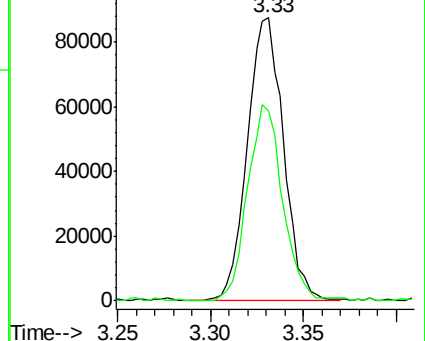
41 100

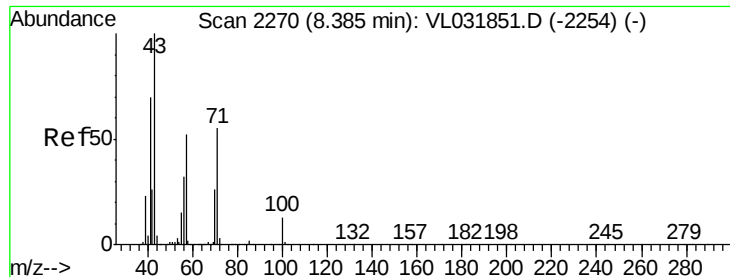
42 66.6 55.0 82.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 1.66 ppbv

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

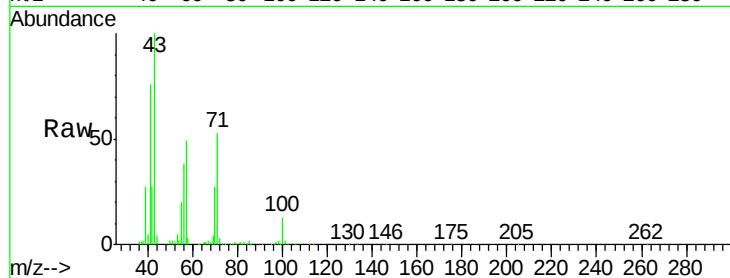
GAC-INF-040218

Tgt Ion: 43 Resp: 256955

Ion Ratio Lower Upper

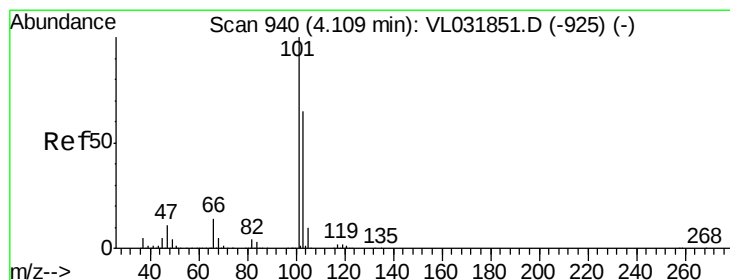
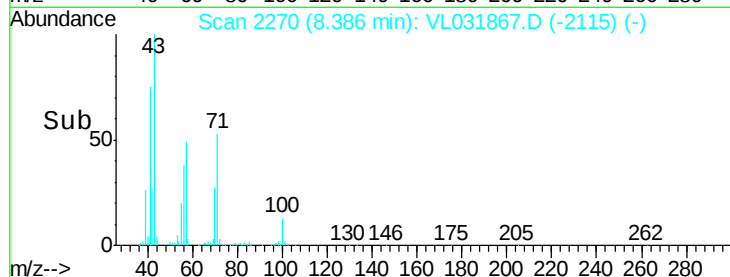
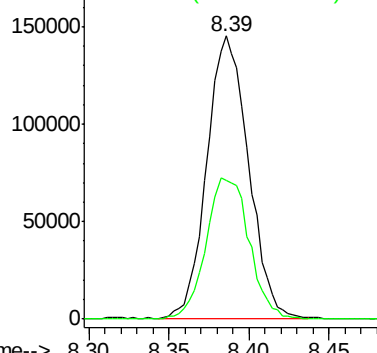
43 100

57 52.0 41.5 62.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#11

Trichlorofluoromethane

Concen: 7.12 ppbv

RT: 4.11 min Scan# 940

Delta R.T. -0.00 min

Lab File: VL031867.D

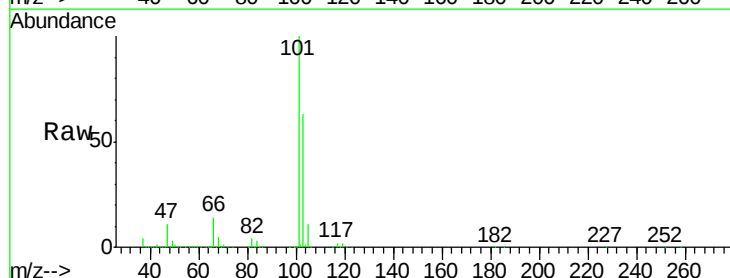
Acq: 12 Apr 2018 16:08

Tgt Ion: 101 Resp: 1703028

Ion Ratio Lower Upper

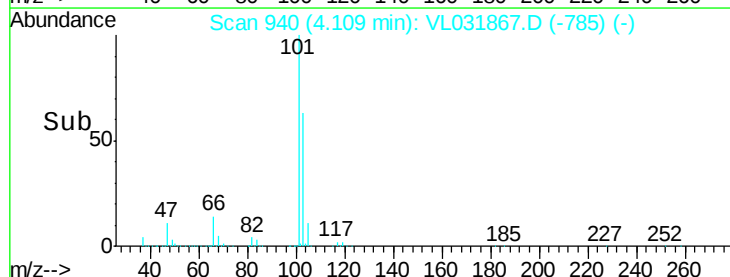
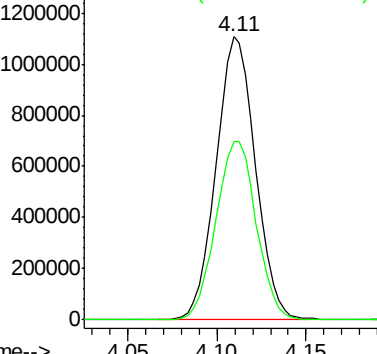
101 100

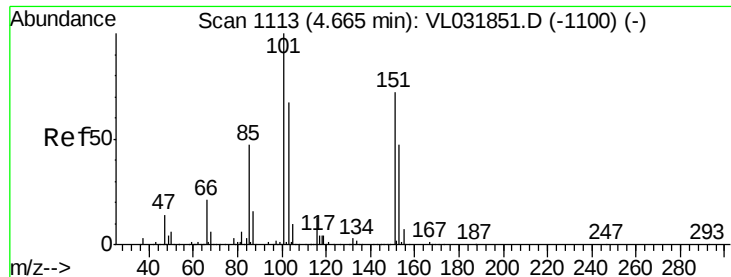
103 63.2 51.8 77.8



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: 0.28 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

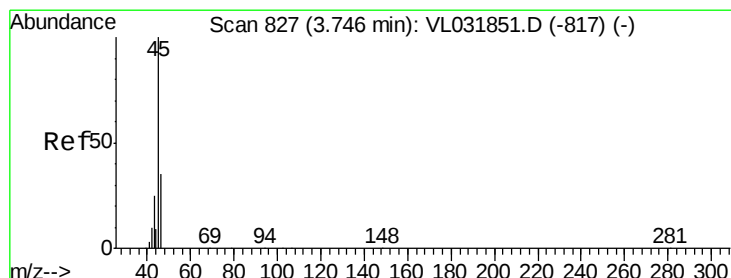
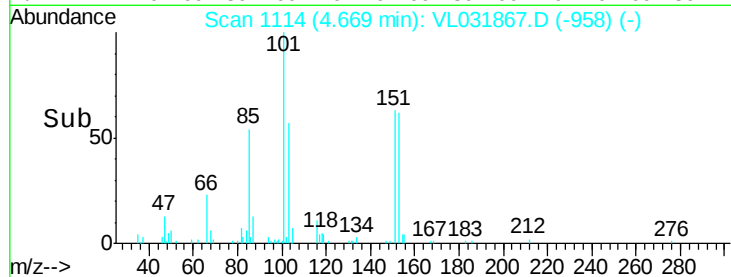
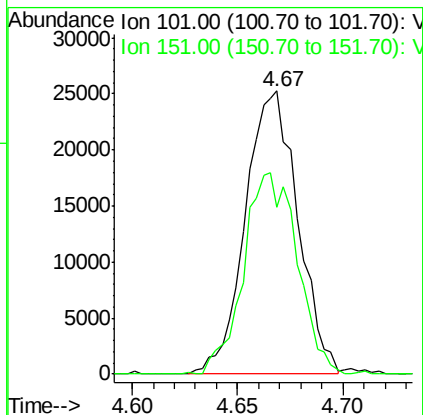
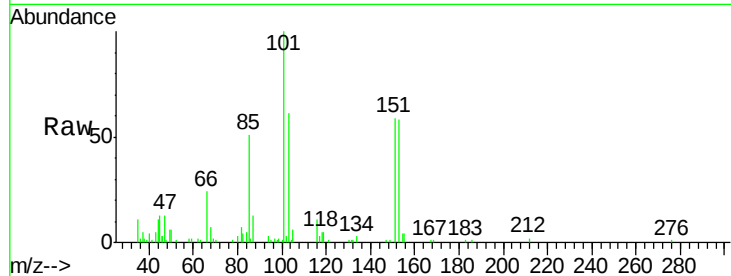
GAC-INF-040218

Tgt Ion: 101 Resp: 43691

Ion Ratio Lower Upper

101 100

151 72.7 57.0 85.6



#13

Ethanol

Concen: 111.71 ppbv

RT: 3.75 min Scan# 829

Delta R.T. -0.00 min

Lab File: VL031867.D

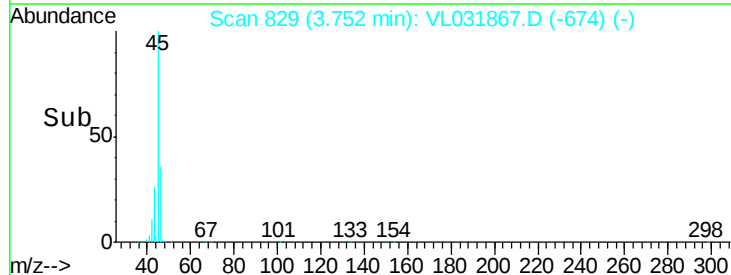
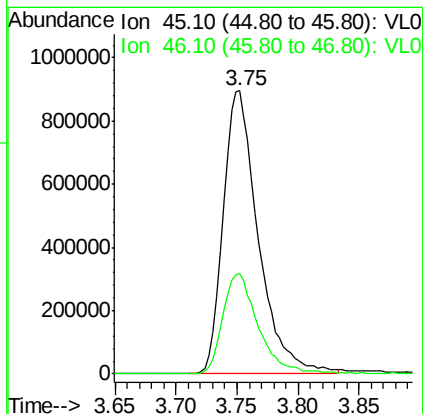
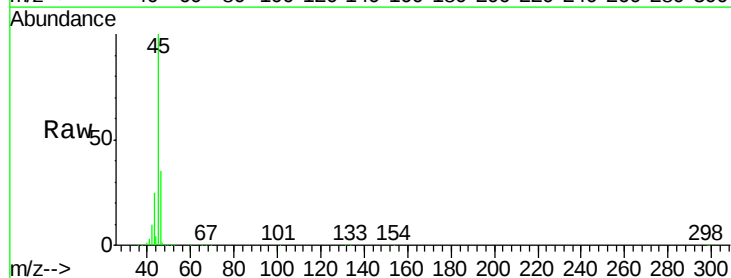
Acq: 12 Apr 2018 16:08

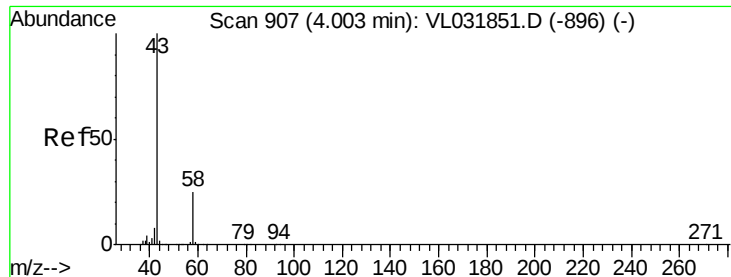
Tgt Ion: 45 Resp: 1804551

Ion Ratio Lower Upper

45 100

46 36.1 14.6 58.6





#15

Acetone

Concen: 15.05 ppbv

RT: 4.00 min Scan# 907

Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

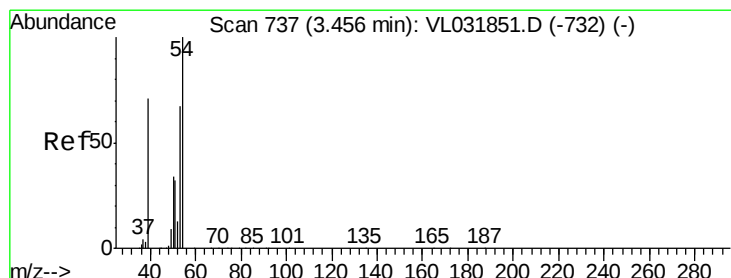
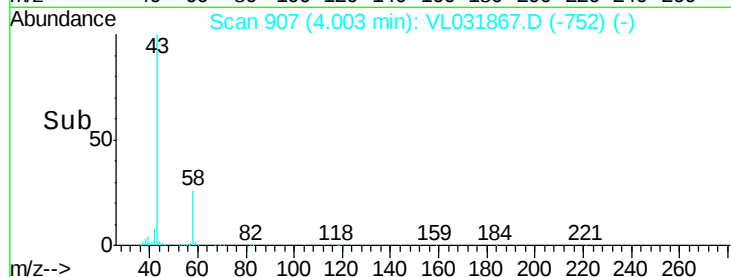
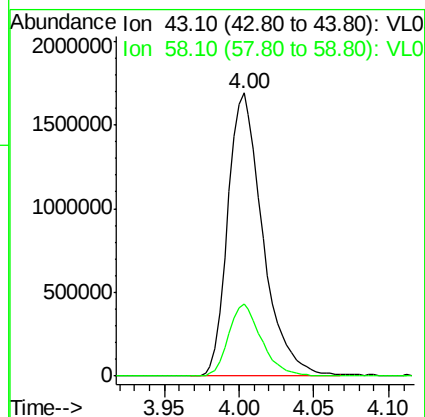
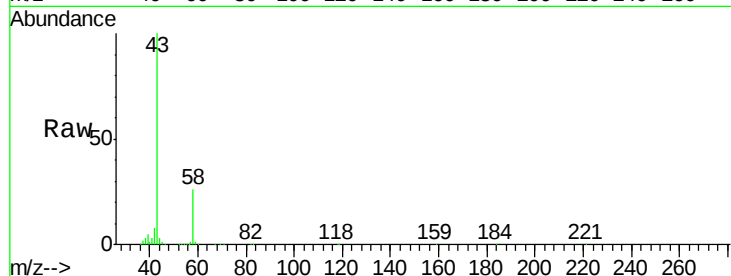
GAC-INF-040218

Tgt Ion: 43 Resp: 2741121

Ion Ratio Lower Upper

43 100

58 24.3 20.9 31.3



#16

1,3-Butadiene

Concen: 0.10 ppbv

RT: 3.44 min Scan# 731

Delta R.T. -0.02 min

Lab File: VL031867.D

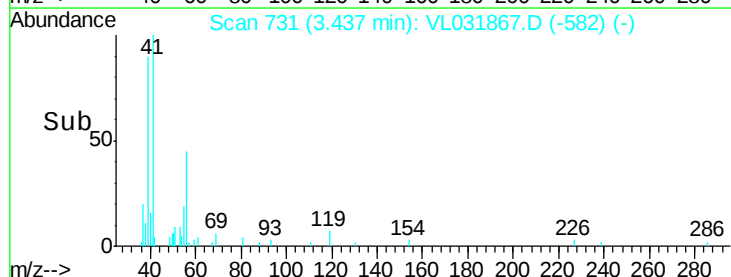
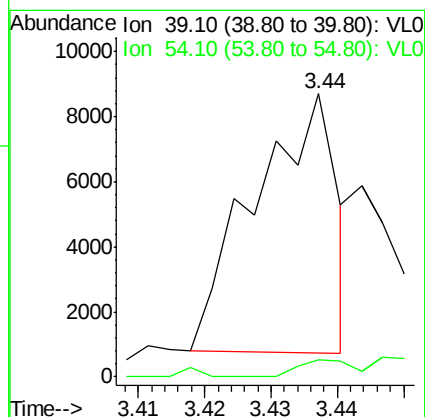
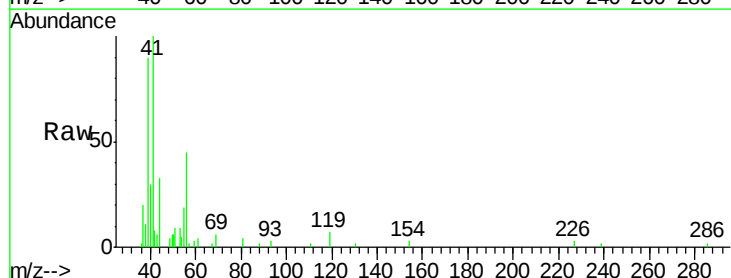
Acq: 12 Apr 2018 16:08

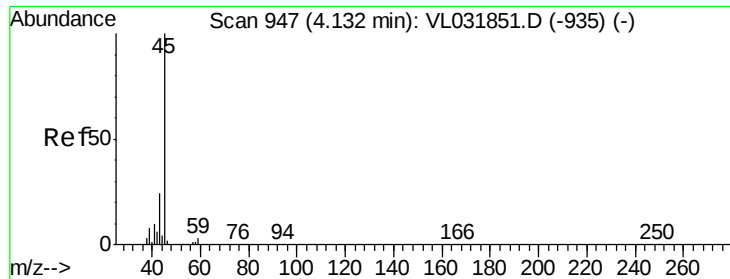
Tgt Ion: 39 Resp: 6841

Ion Ratio Lower Upper

39 100

54 10.2 63.3 94.9#



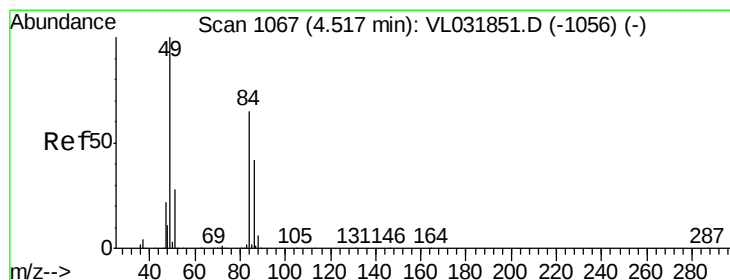
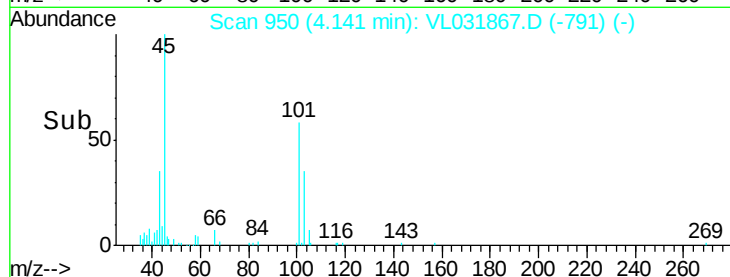
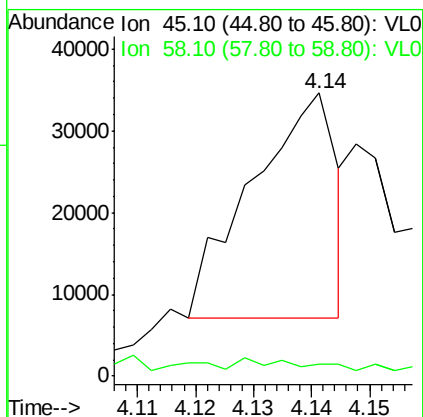
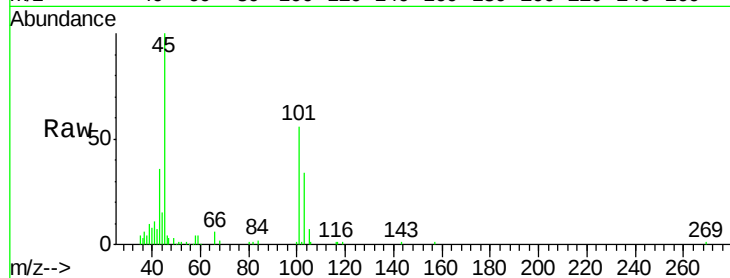


#19

Isopropyl Alcohol
 Concen: 0.27 ppbv
 RT: 4.14 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VL031867.D
 Acq: 12 Apr 2018 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218

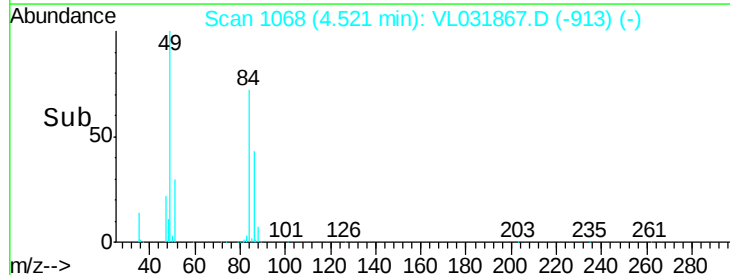
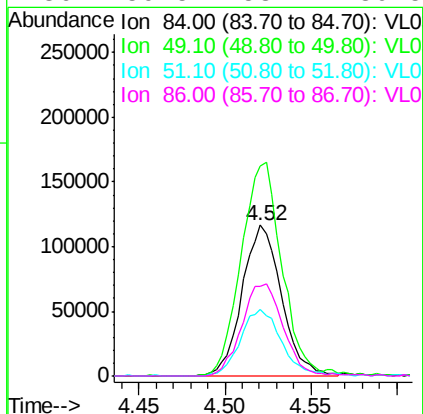
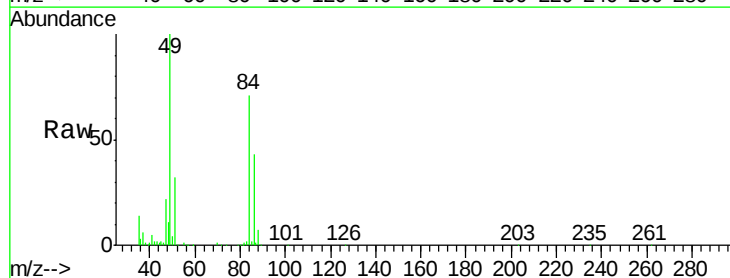
Tgt Ion: 45 Resp: 27786
 Ion Ratio Lower Upper
 45 100
 58 2398.9 1.7 2.5#

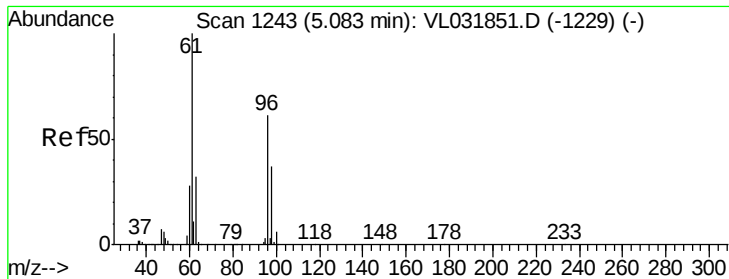


#20

Methylene Chloride
 Concen: 2.79 ppbv
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VL031867.D
 Acq: 12 Apr 2018 16:08

Tgt Ion: 84 Resp: 185047
 Ion Ratio Lower Upper
 84 100
 49 139.6 125.6 188.4
 51 44.6 36.4 54.6
 86 59.5 53.7 80.5





#22

trans-1,2-Dichloroethene

Concen: 0.03 ppbv

RT: 5.08 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218

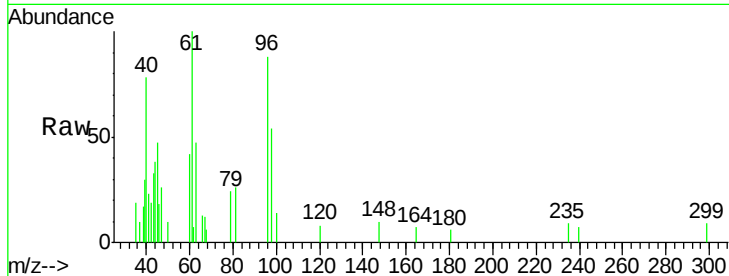
Tgt Ion: 96 Resp: 2103

Ion Ratio Lower Upper

96 100

61 98.0 131.1 196.7#

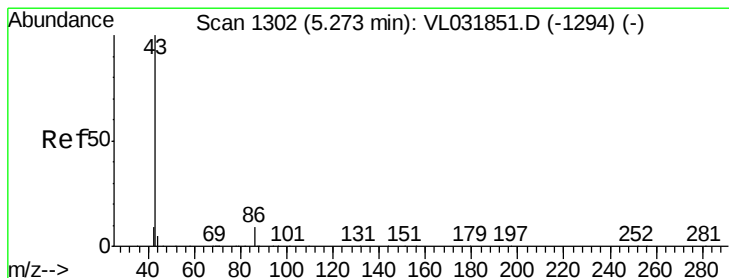
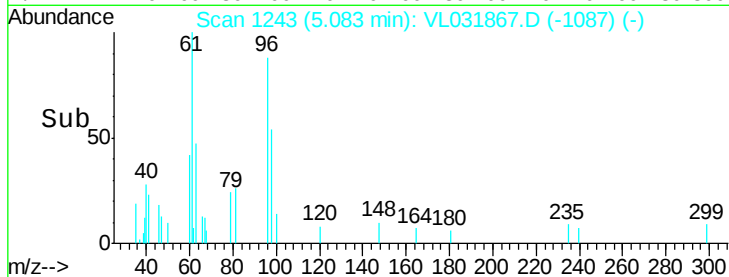
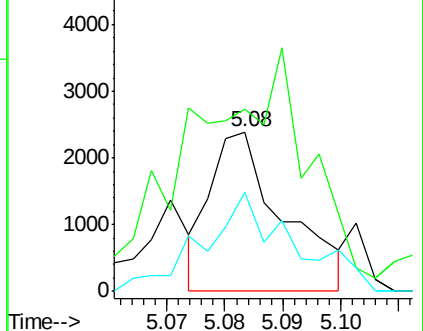
98 48.1 47.6 71.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.04 ppbv

RT: 5.27 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Tgt Ion: 43 Resp: 6544

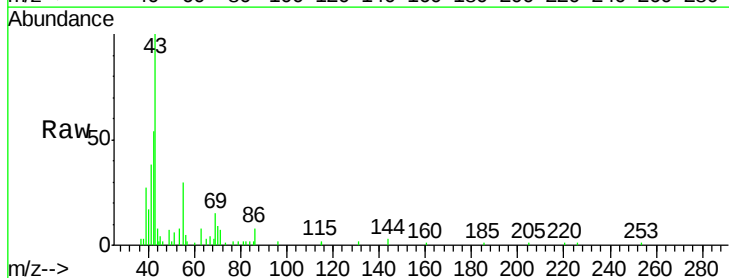
Ion Ratio Lower Upper

43 100

86 2.7 5.8 8.8#

42 54.9 8.5 12.7#

44 1.8 4.2 6.4#

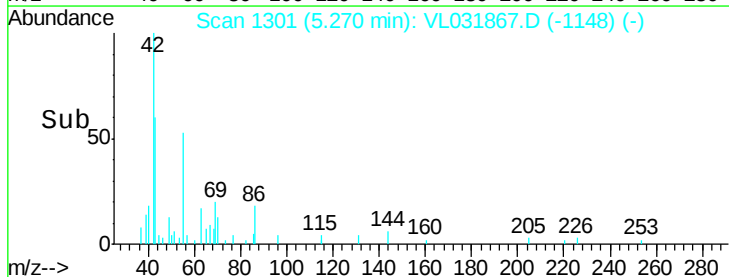
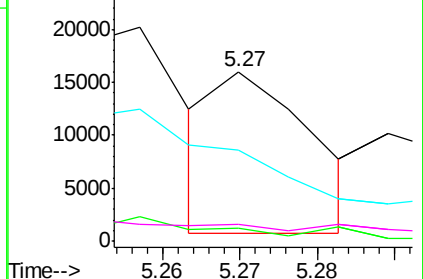


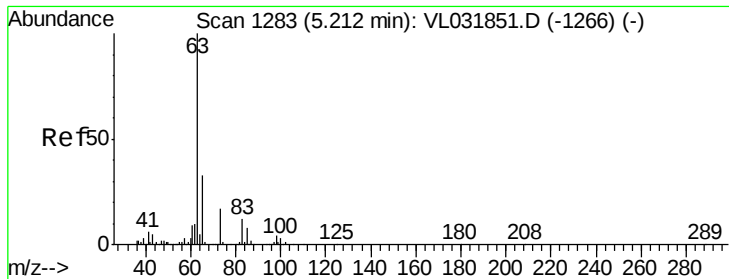
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 2.45 ppbv

RT: 5.21 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218

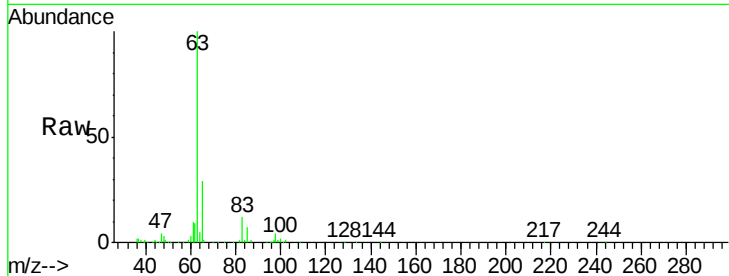
Tgt Ion: 63 Resp: 450916

Ion Ratio Lower Upper

63 100

98 3.7 2.4 7.2

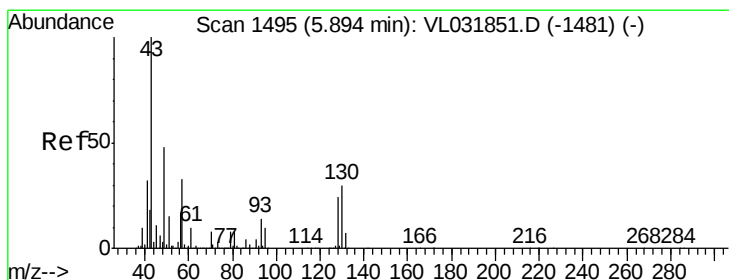
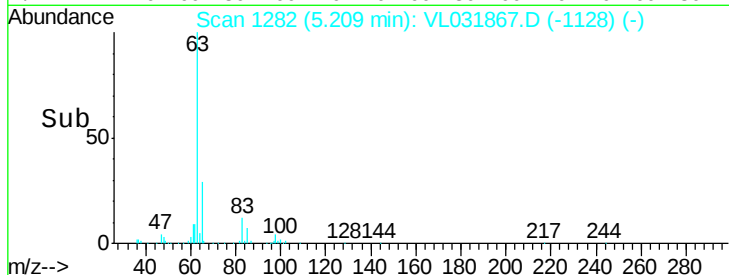
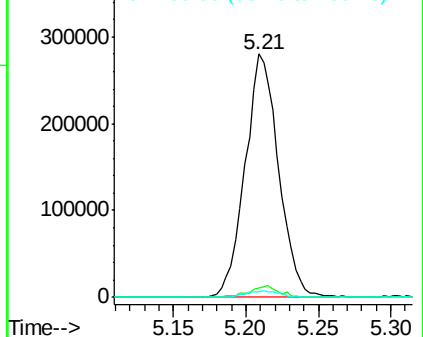
100 2.2 1.5 4.4



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: 1.27 ppbv

RT: 5.91 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Tgt Ion: 43 Resp: 360912

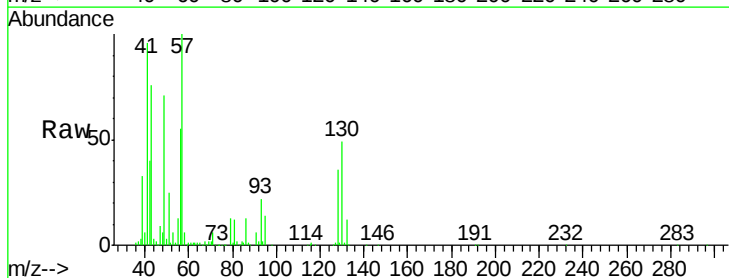
Ion Ratio Lower Upper

43 100

45 2.8 7.8 11.8#

61 2.5 7.2 10.8#

70 2.8 5.8 8.8#

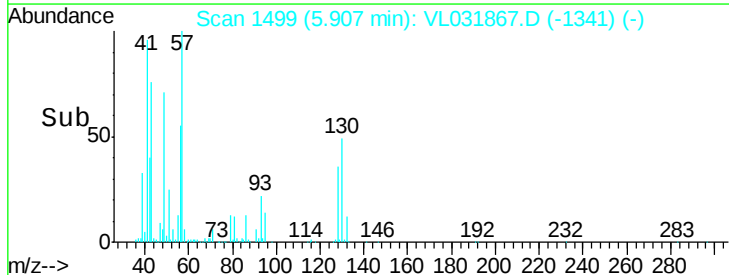
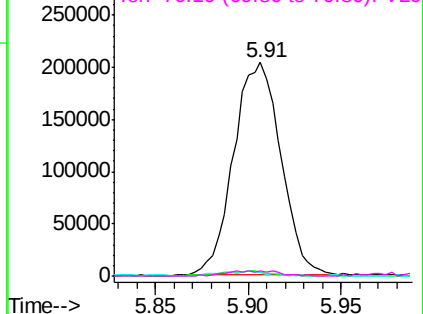


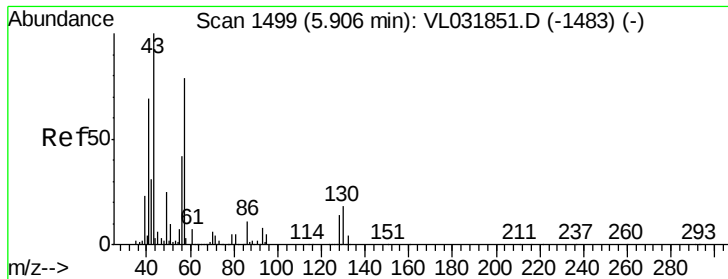
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

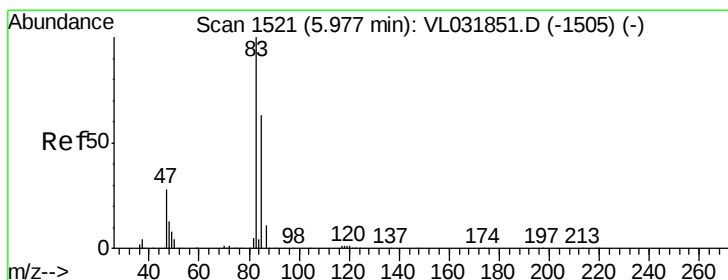
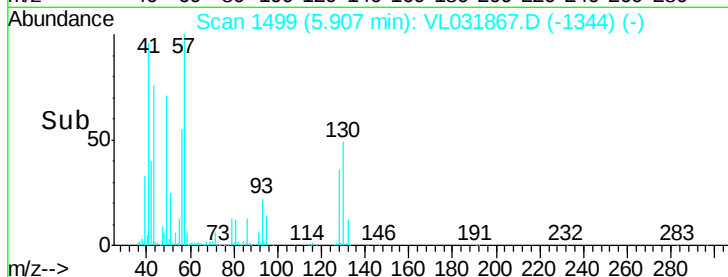
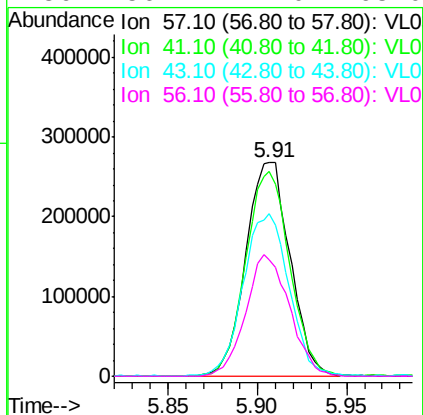
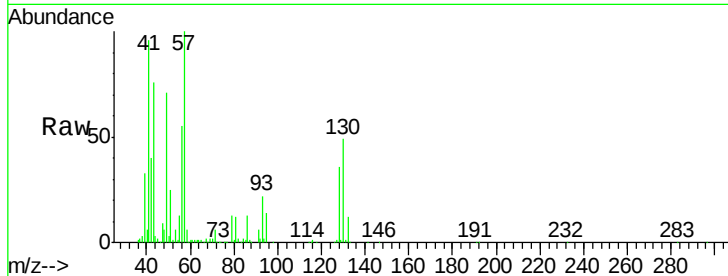




#26
Hexane
Concen: 3.52 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

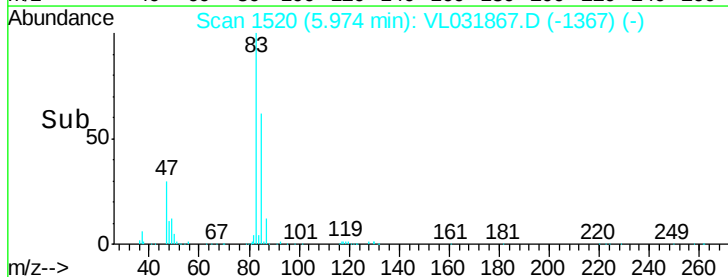
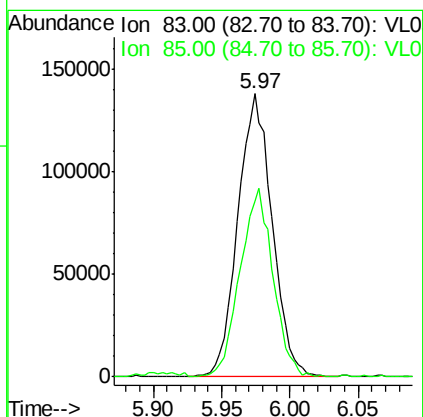
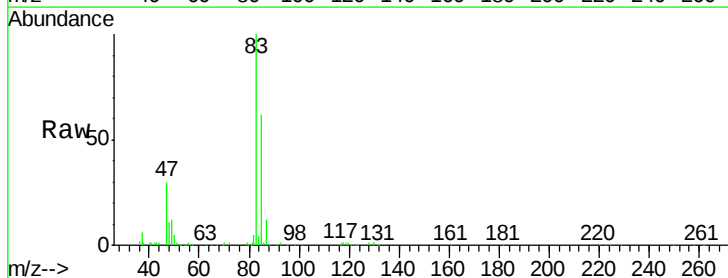
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218

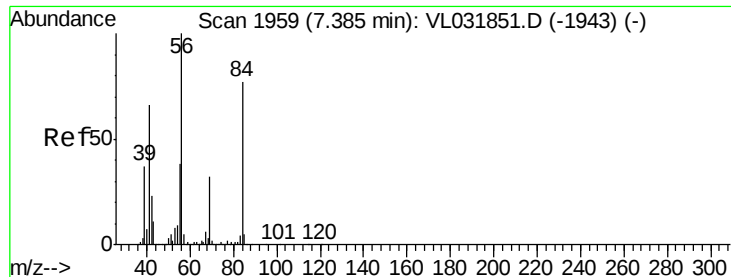
Tgt Ion: 57 Resp: 466022
Ion Ratio Lower Upper
57 100
41 95.9 72.0 108.0
43 79.2 169.8 254.8#
56 56.1 42.0 63.0



#29
Chloroform
Concen: 1.07 ppbv
RT: 5.97 min Scan# 1520
Delta R.T. -0.01 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

Tgt Ion: 83 Resp: 240965
Ion Ratio Lower Upper
83 100
85 61.8 51.4 77.0

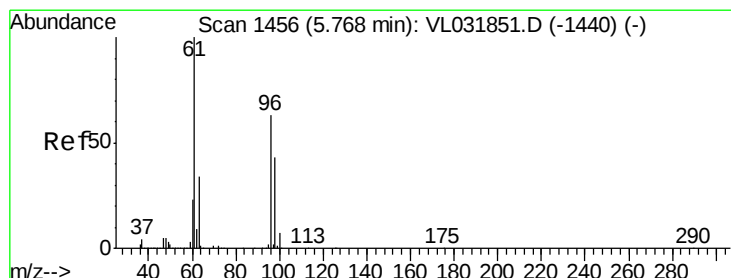
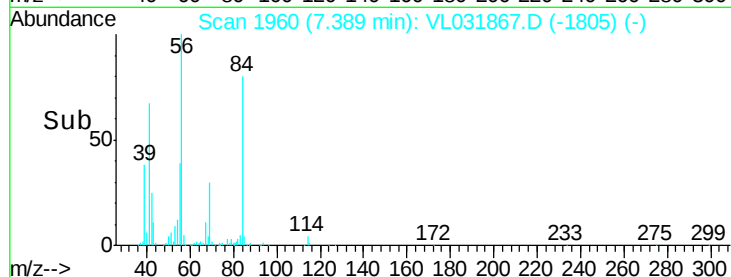
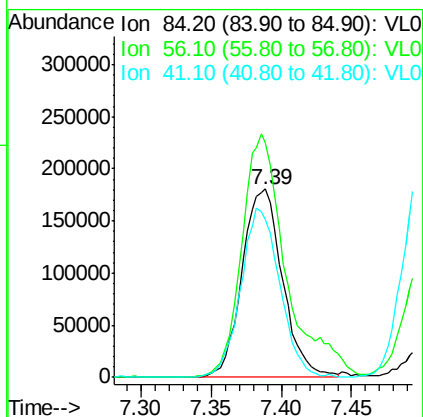
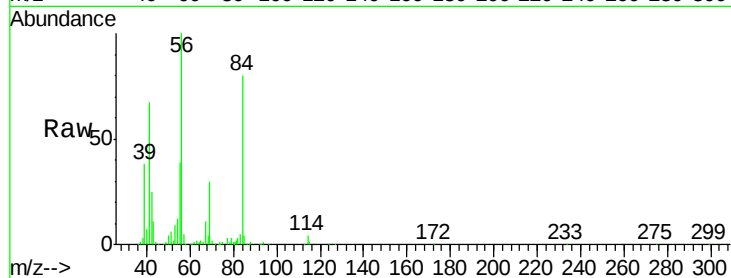




#30
Cyclohexane
Concen: 3.84 ppbv
RT: 7.39 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

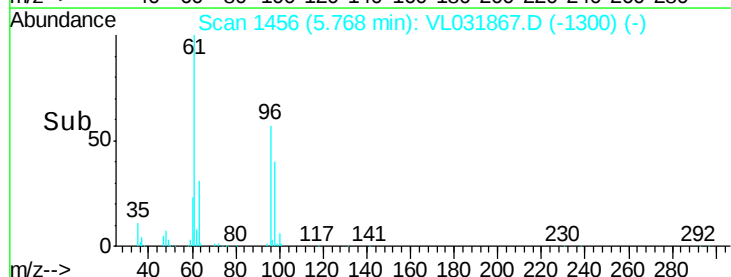
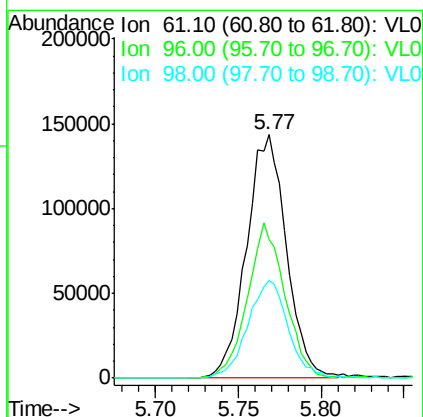
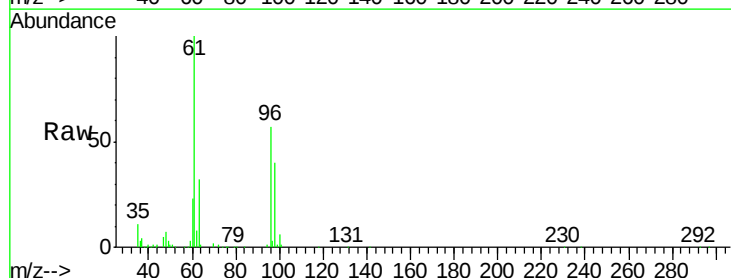
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218

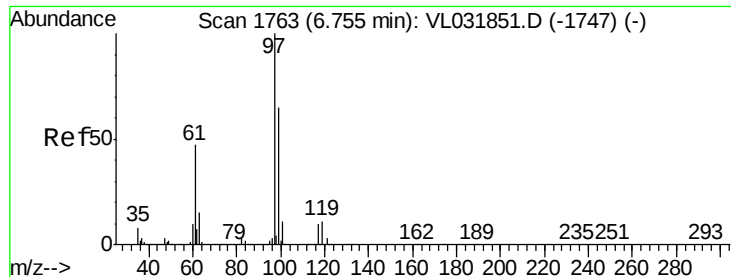
Tgt Ion: 84 Resp: 363355
Ion Ratio Lower Upper
84 100
56 142.2 107.7 161.5
41 86.9 68.2 102.2



#31
cis-1,2-Dichloroethene
Concen: 2.00 ppbv
RT: 5.77 min Scan# 1456
Delta R.T. 0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

Tgt Ion: 61 Resp: 239596
Ion Ratio Lower Upper
61 100
96 56.7 47.6 71.4
98 39.9 30.3 45.5





#32

1,1,1-Trichloroethane

Concen: 3.74 ppbv

RT: 6.75 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218

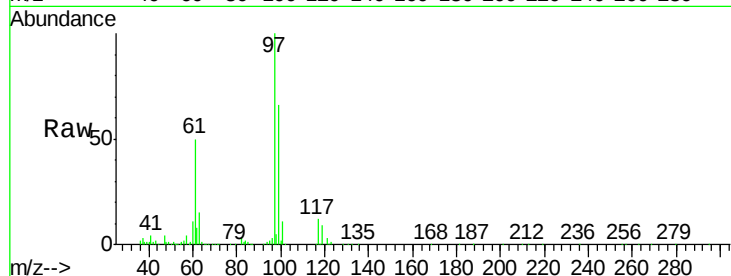
Tgt Ion: 97 Resp: 818529

Ion Ratio Lower Upper

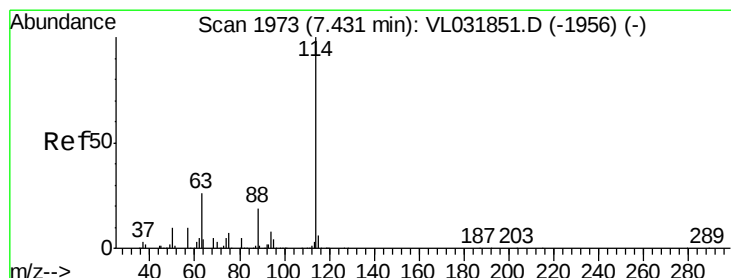
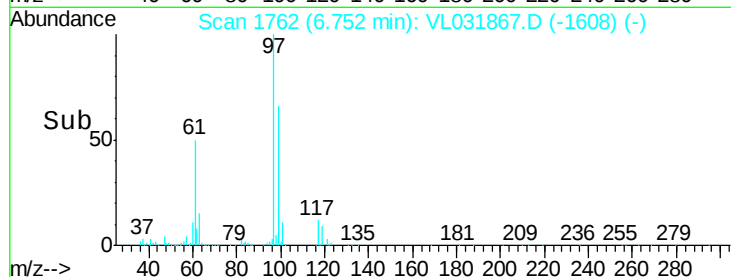
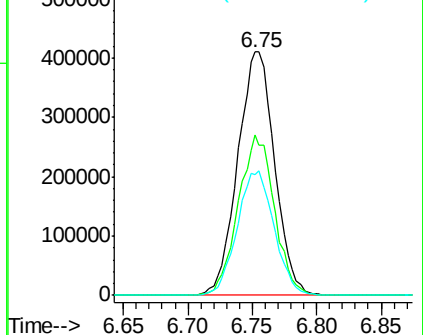
97 100

99 64.5 51.5 77.3

61 51.1 40.0 60.0



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.43 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

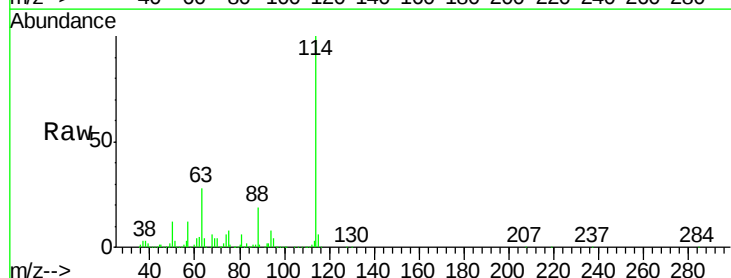
Tgt Ion: 114 Resp: 2388800

Ion Ratio Lower Upper

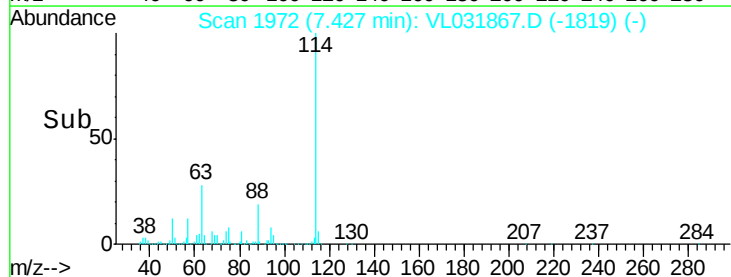
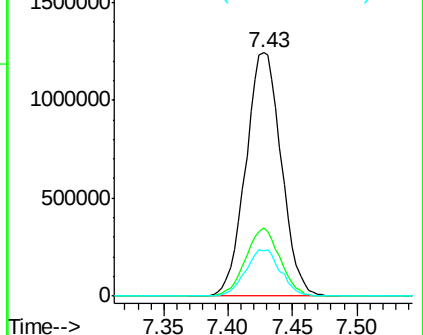
114 100

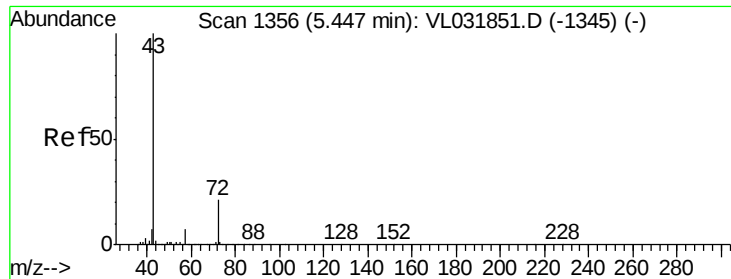
63 27.4 21.8 32.6

88 18.8 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

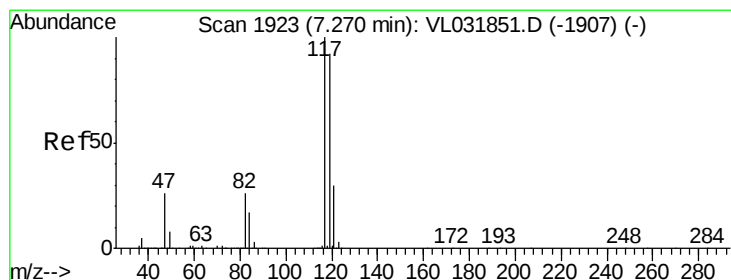
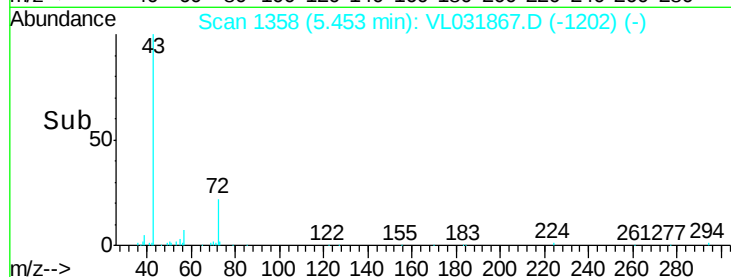
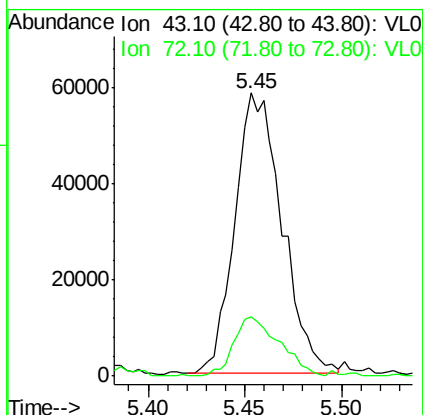
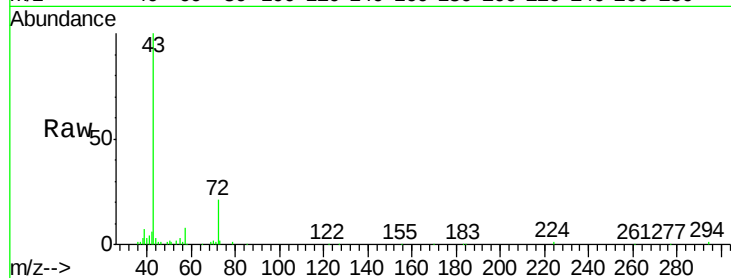




#34
2-Butanone
Concen: 0.60 ppbv
RT: 5.45 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

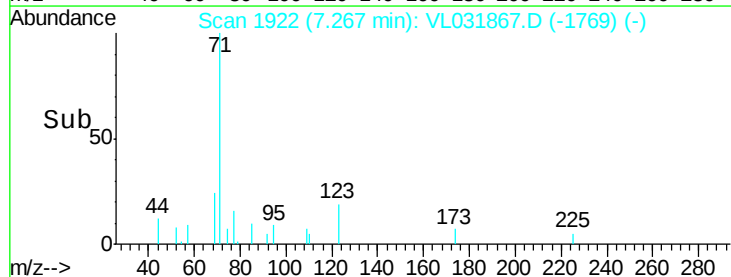
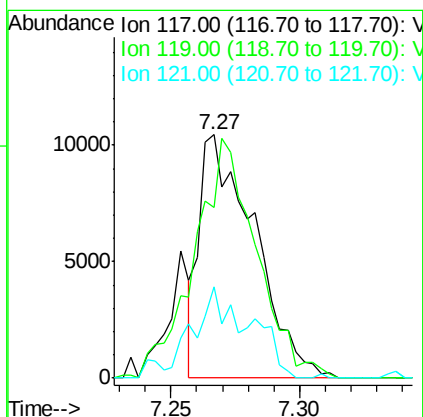
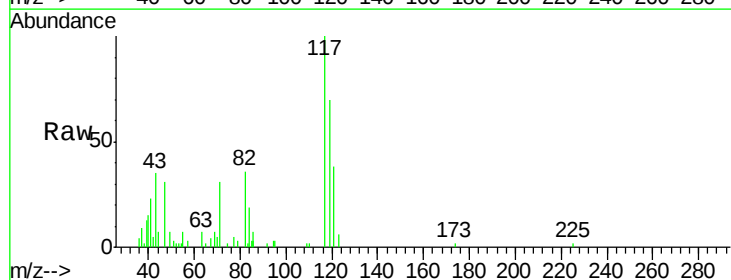
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218

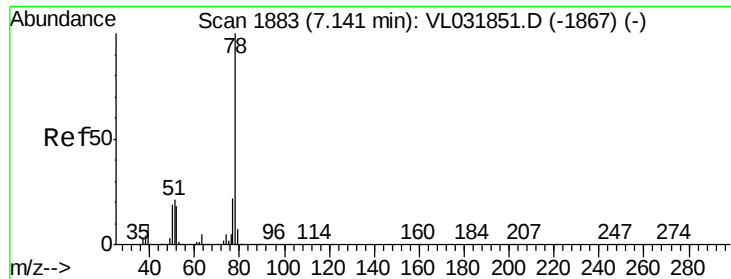
Tgt Ion: 43 Resp: 98960
Ion Ratio Lower Upper
43 100
72 21.1 18.6 27.8



#35
Carbon Tetrachloride
Concen: 0.07 ppbv
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

Tgt Ion: 117 Resp: 15422
Ion Ratio Lower Upper
117 100
119 70.2 76.9 115.3#
121 37.5 24.5 36.7#





#36

Benzene

Concen: 0.08 ppbv

RT: 7.14 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

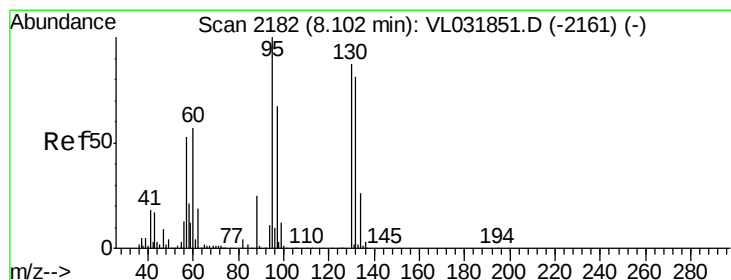
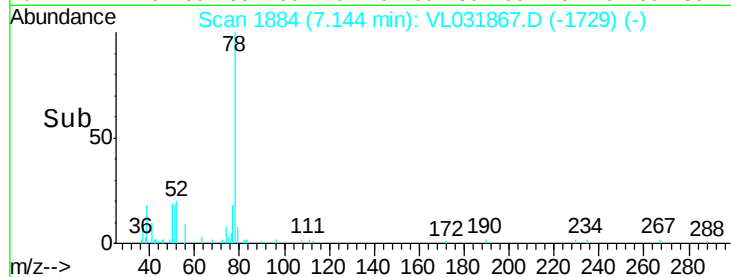
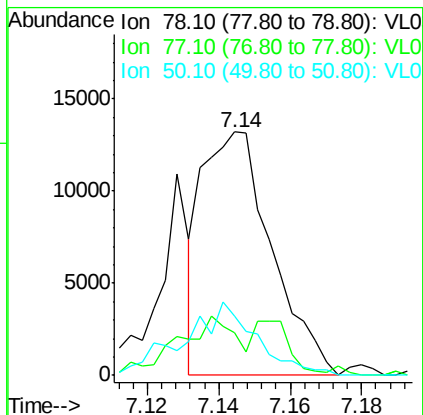
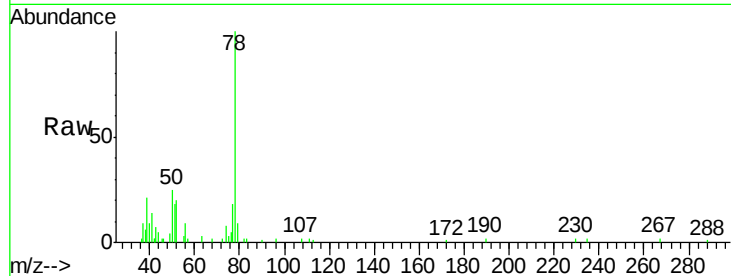
Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218

Tgt Ion:	78	Resp:	17871
Ion	Ratio	Lower	Upper
78	100		
77	13.9	19.2	28.8#
50	23.1	16.7	25.1



#38

Trichloroethene

Concen: 9.95 ppbv

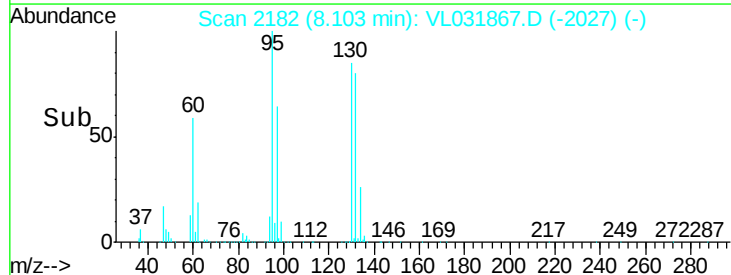
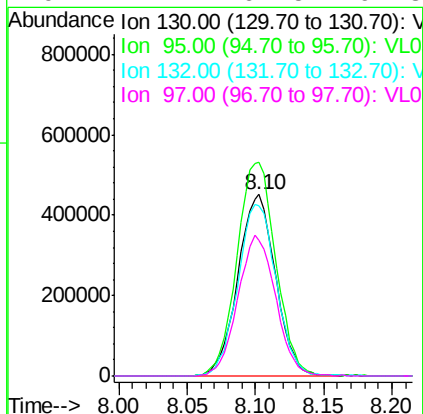
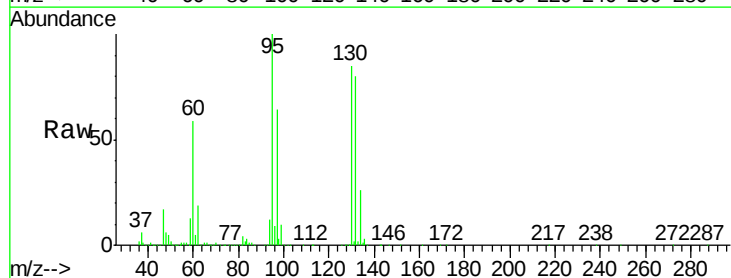
RT: 8.10 min Scan# 2182

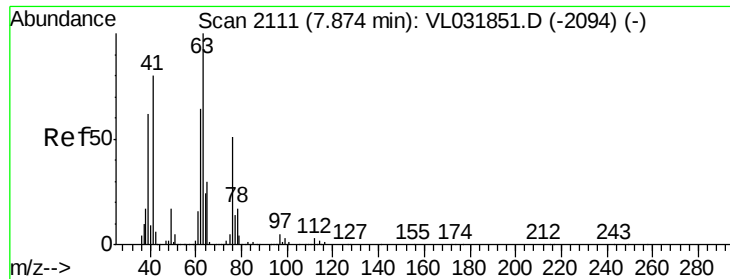
Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Tgt Ion:	130	Resp:	867389
Ion	Ratio	Lower	Upper
130	100		
95	117.6	96.6	144.8
132	93.7	79.1	118.7
97	74.7	61.5	92.3

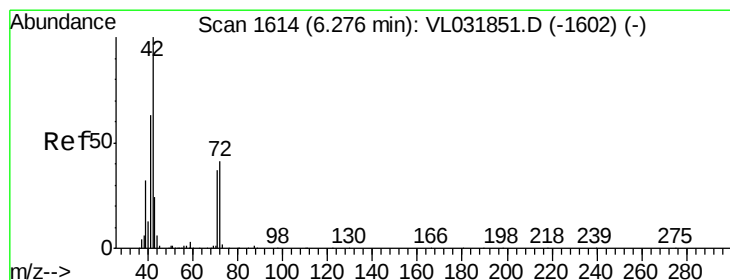
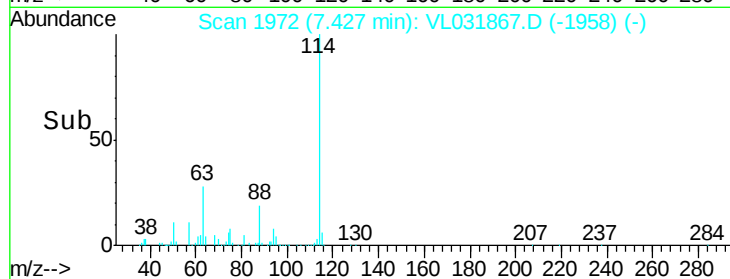
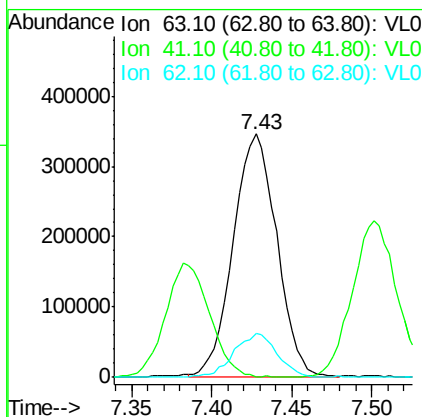
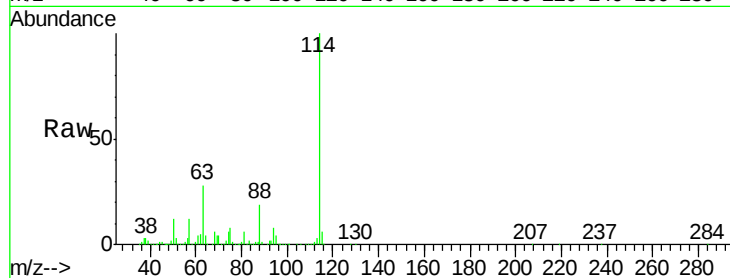




#39
 1,2-Dichloropropane
 Concen: 8.03 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. -0.45 min
 Lab File: VL031867.D
 Acq: 12 Apr 2018 16:08

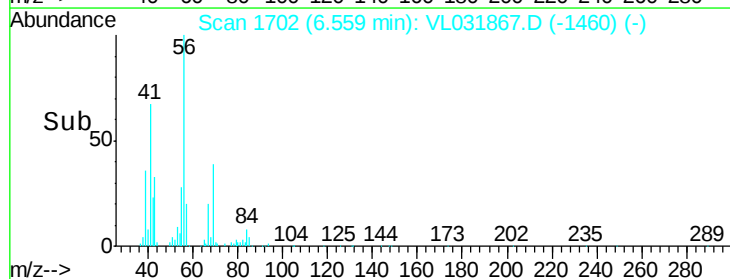
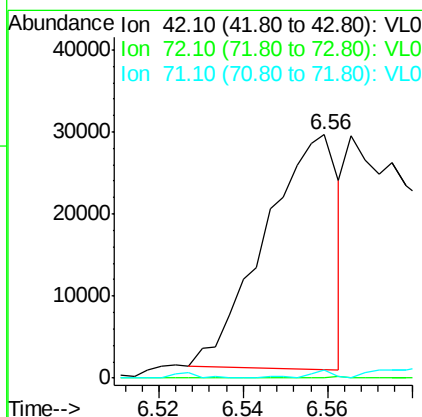
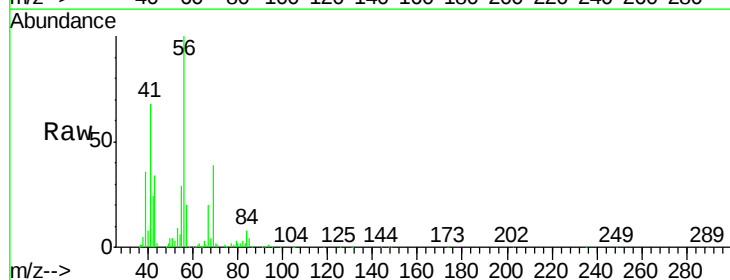
Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218

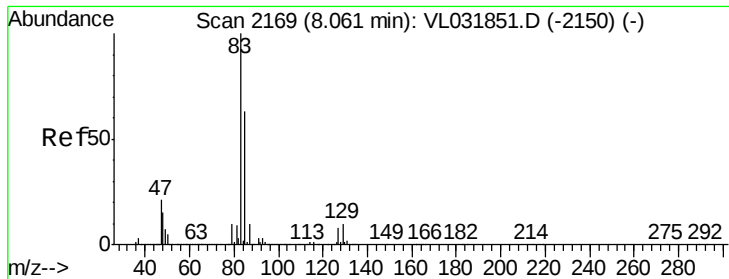
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	65.8	98.6#
62	17.6	55.0	82.6#



#41
 Tetrahydrofuran
 Concen: 0.45 ppbv
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.28 min
 Lab File: VL031867.D
 Acq: 12 Apr 2018 16:08

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.2	49.8#
71	4.2	31.5	47.3#





#42

Bromodichloromethane

Concen: 0.04 ppbv

RT: 8.05 min Scan# 2166

Delta R.T. -0.01 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218

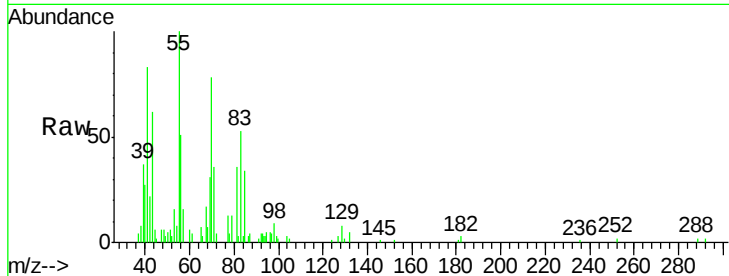
Tgt Ion: 83 Resp: 7082

Ion Ratio Lower Upper

83 100

85 67.9 50.5 75.7

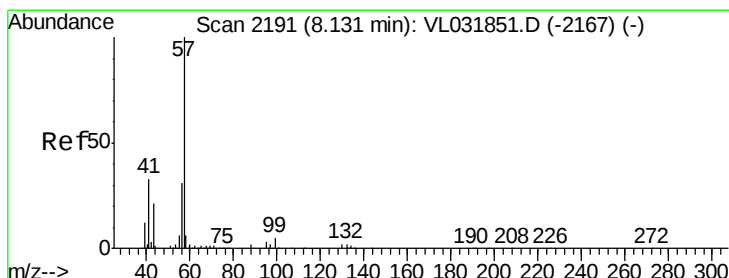
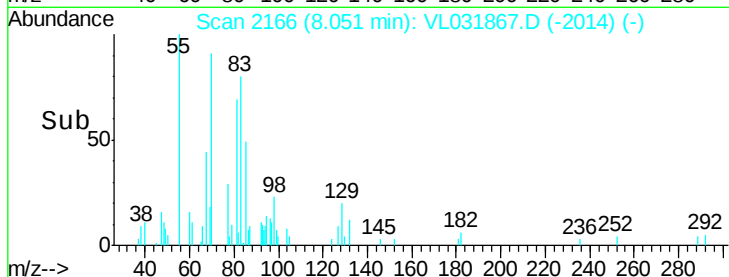
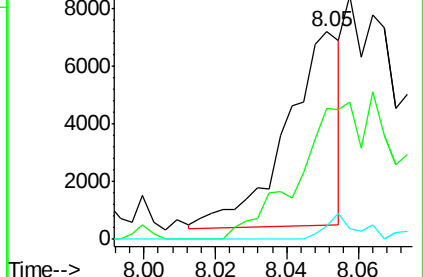
127 6.9 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.10 ppbv

RT: 8.13 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

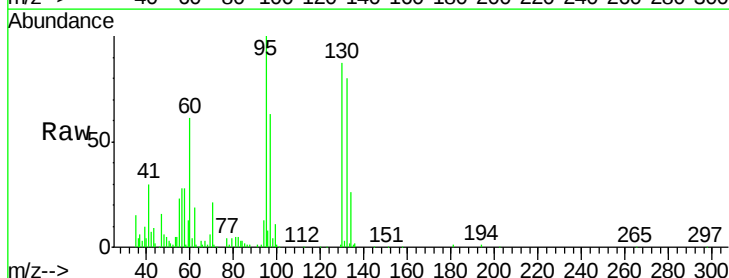
Tgt Ion: 57 Resp: 35614

Ion Ratio Lower Upper

57 100

41 108.4 27.0 40.6#

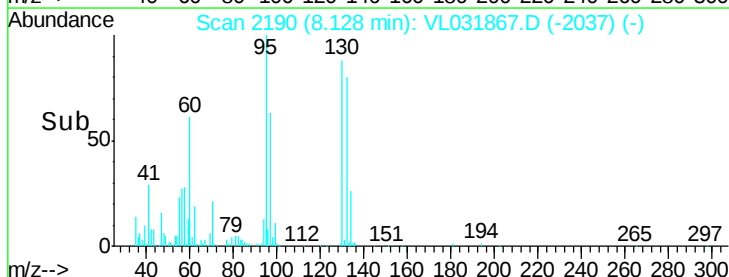
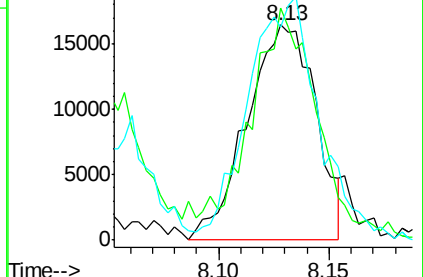
56 116.7 24.1 36.1#

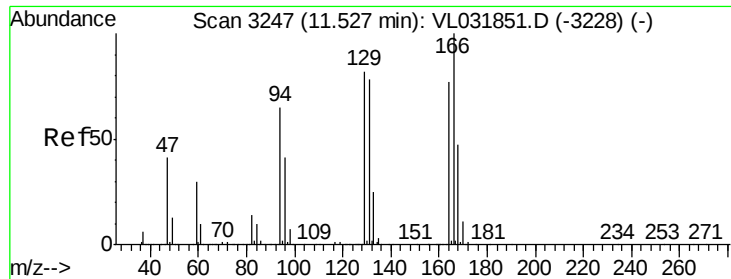


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#52

Tetrachloroethene

Concen: 0.38 ppbv

RT: 11.52 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VL031867.D

Acq: 12 Apr 2018 16:08

Instrument :

MSVOA_L

ClientSampleId :

GAC-INF-040218

Tgt Ion:164 Resp: 32023

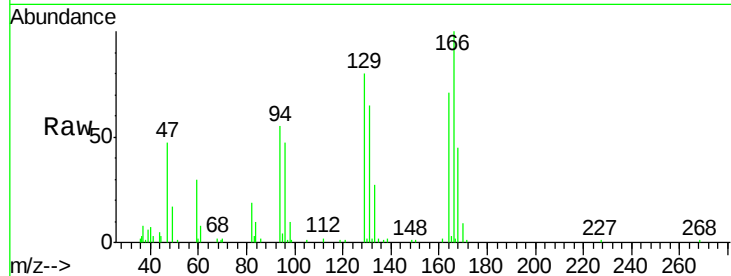
Ion Ratio Lower Upper

164 100

166 139.6 98.2 147.4

129 111.9 86.5 129.7

131 91.7 82.2 123.2

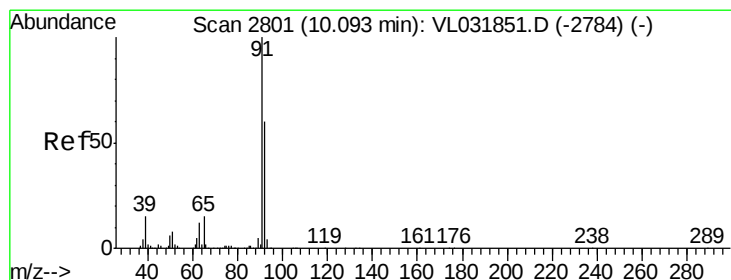
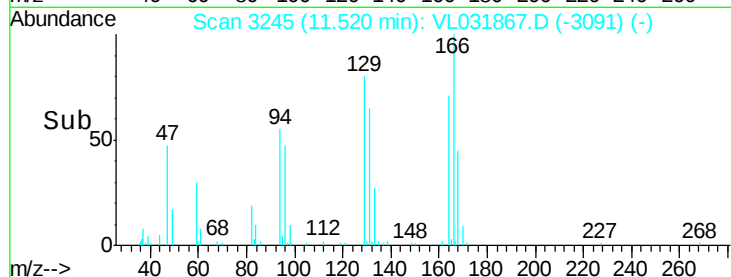
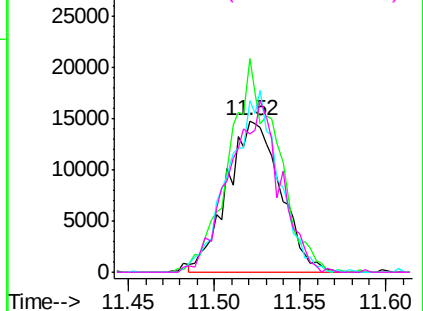


Abundance Ion 163.90 (163.60 to 164.60): V

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: 14.92 ppbv

RT: 10.09 min Scan# 2801

Delta R.T. -0.00 min

Lab File: VL031867.D

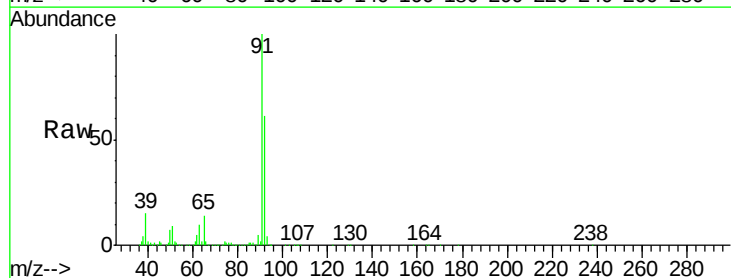
Acq: 12 Apr 2018 16:08

Tgt Ion: 91 Resp: 3575637

Ion Ratio Lower Upper

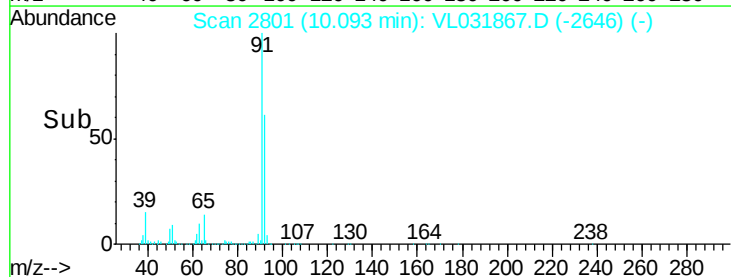
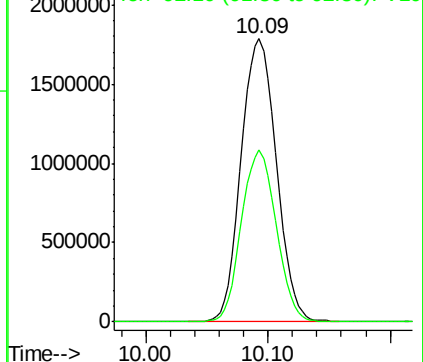
91 100

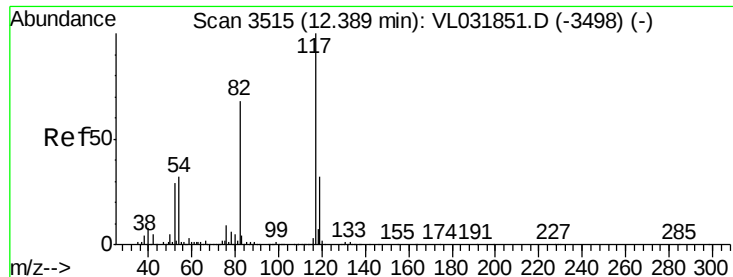
92 60.0 47.4 71.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

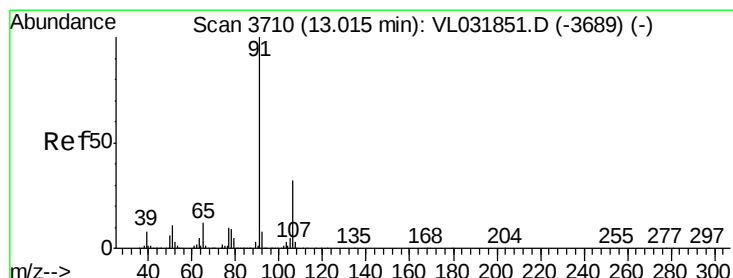
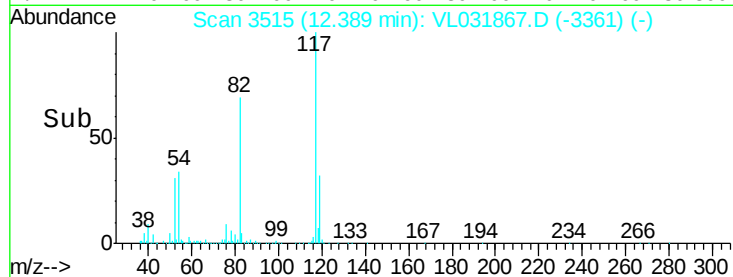
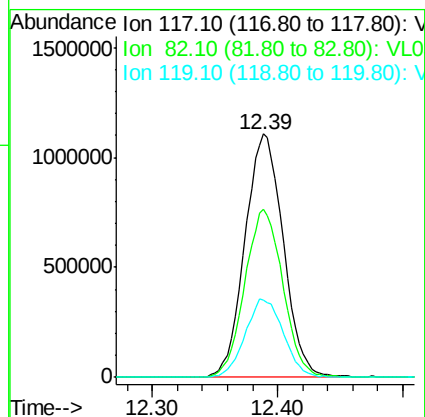
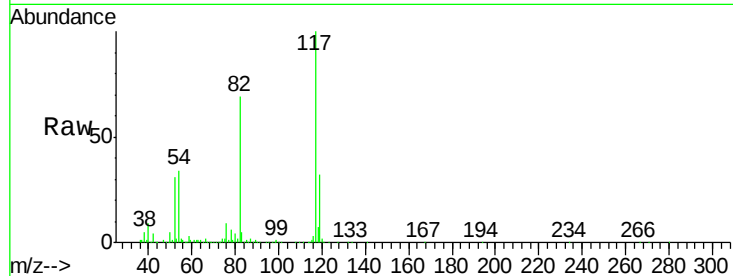




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

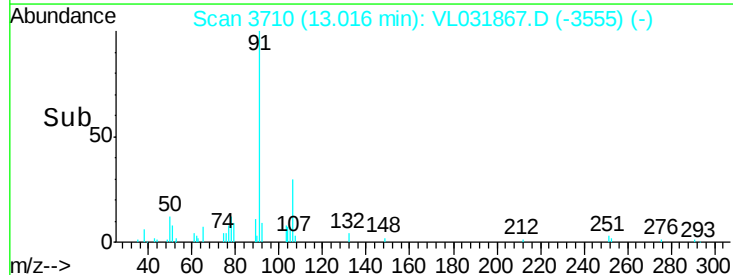
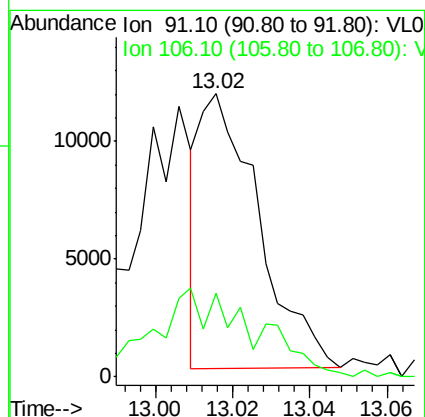
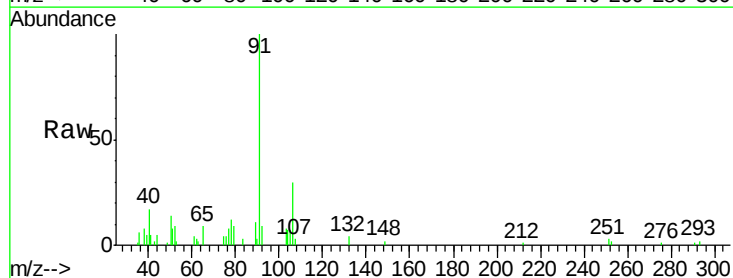
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218

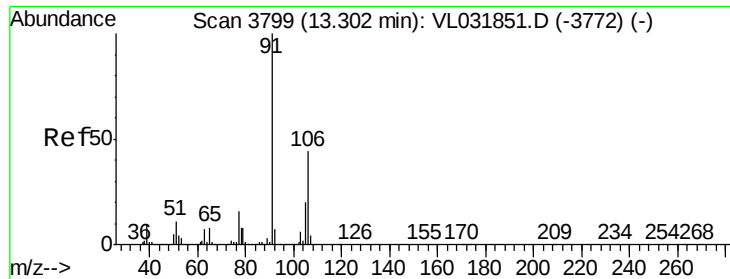
Tgt Ion: 117 Resp: 2346802
Ion Ratio Lower Upper
117 100
82 68.8 54.6 81.8
119 32.6 26.0 39.0



#58
Ethyl Benzene
Concen: 0.04 ppbv
RT: 13.02 min Scan# 3710
Delta R.T. -0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

Tgt Ion: 91 Resp: 12271
Ion Ratio Lower Upper
91 100
106 29.2 23.8 35.6

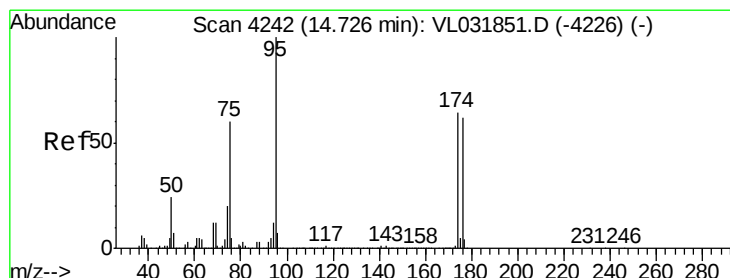
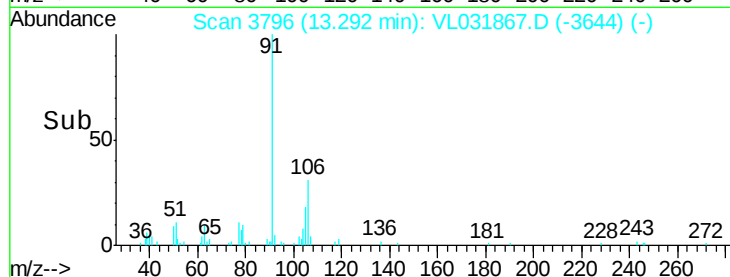
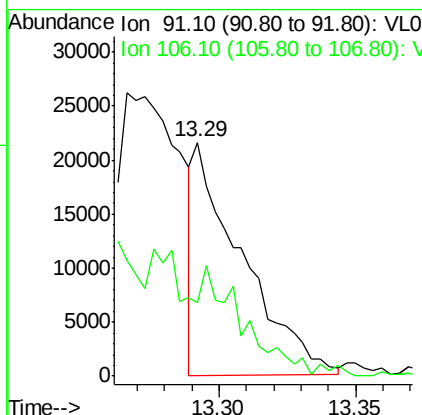
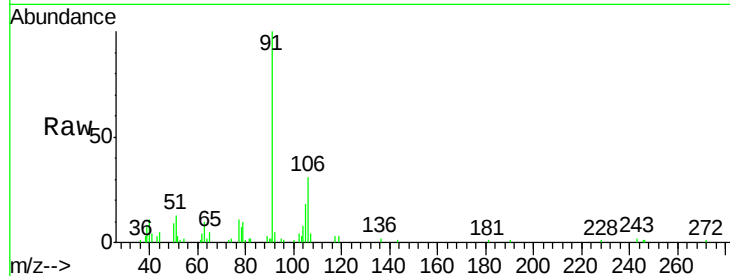




#59
m/p-Xylene
Concen: 0.09 ppbv
RT: 13.29 min Scan# 3796
Delta R.T. -0.01 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

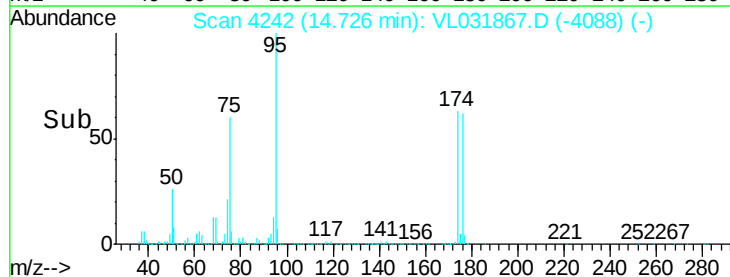
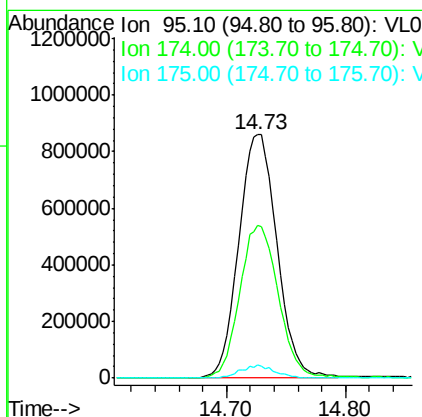
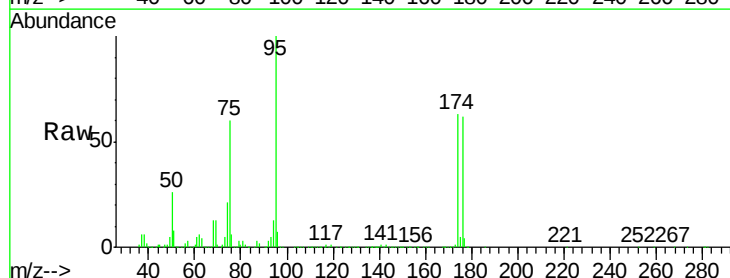
Instrument :
MSVOA_L
ClientSampleId :
GAC-INF-040218

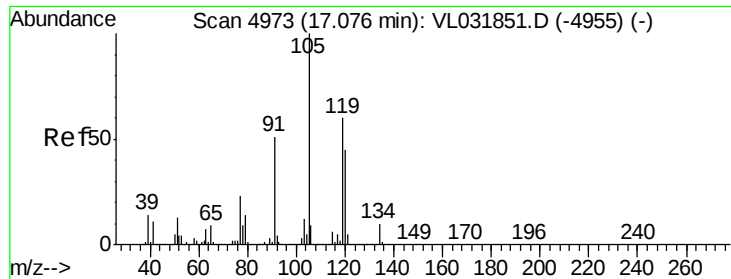
Tgt Ion: 91 Resp: 26168
Ion Ratio Lower Upper
91 100
106 0.0 35.5 53.3#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.16 ppbv
RT: 14.73 min Scan# 4242
Delta R.T. -0.00 min
Lab File: VL031867.D
Acq: 12 Apr 2018 16:08

Tgt Ion: 95 Resp: 1916591
Ion Ratio Lower Upper
95 100
174 63.6 52.3 78.5
175 4.8 3.9 5.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.04 ppbv
 RT: 17.07 min Scan# 4971
 Delta R.T. -0.01 min
 Lab File: VL031867.D
 Acq: 12 Apr 2018 16:08

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-INF-040218

Tgt Ion:	105	Resp:	11608
Ion	Ratio	Lower	Upper
105	100		
120	26.3	37.0	55.4#
91	11.8	43.0	64.4#
77	9.7	18.7	28.1#

