

Data File : VL031967.D

Acq On : 3 May 2018 16:17

Operator : SY/AP

Sample : VSTDICV010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Quant Time: May 04 03:25:09 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1390769	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	3364219	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	3429548	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2163497	8.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	1221588	6.65	ppbv	99
3) Chlorodifluoromethane	3.10	51	1011173	7.73	ppbv	99
4) Chloromethane	3.25	50	585624	8.50	ppbv	100
5) Vinyl Chloride	3.38	62	609253	7.83	ppbv	98
6) Bromomethane	3.60	94	407131	8.04	ppbv	93
7) Chloroethane	3.69	64	247453	8.36	ppbv	88
8) Dichlorotetrafluoroethane	3.31	85	1435727	7.85	ppbv	99
9) Propene	3.12	41	464219	9.68	ppbv	99
10) Heptane	8.39	43	1456538	8.83	ppbv	99
11) Trichlorofluoromethane	4.10	101	1668512	7.52	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.66	101	1045886	6.69	ppbv	100
13) Ethanol	3.74	45	126175	7.05	ppbv #	100
14) Bromoethene	3.88	108	469110	8.12	ppbv	97
15) Acetone	4.00	43	1150130	5.85	ppbv	99
16) 1,3-Butadiene	3.45	39	552304	8.74	ppbv	96
17) tert-Butyl alcohol	4.46	59	481681	5.92	ppbv	99
18) 1,1-Dichloroethene	4.46	96	493485	7.20	ppbv	94
19) Isopropyl Alcohol	4.12	45	819494	7.71	ppbv	99
20) Methylene Chloride	4.51	84	446684	6.73	ppbv	95
21) Allyl Chloride	4.59	41	789025	7.04	ppbv	100
22) trans-1,2-Dichloroethene	5.08	96	573833	7.55	ppbv	98
23) Vinyl Acetate	5.27	43	1928196	8.58	ppbv	100
24) 1,1-Dichloroethane	5.21	63	1703941	8.13	ppbv	100
25) Ethyl Acetate	5.89	43	2932151	8.69	ppbv	100
26) Hexane	5.90	57	1377625	8.68	ppbv	99
27) Carbon Disulfide	4.73	76	1366016	7.68	ppbv	100
28) Methyl tert-Butyl Ether	5.23	73	1663871	8.53	ppbv	100
29) Chloroform	5.97	83	2160345	8.61	ppbv	100
30) Cyclohexane	7.38	84	1050879	9.94	ppbv	99
31) cis-1,2-Dichloroethene	5.76	61	1319112	9.09	ppbv	95
32) 1,1,1-Trichloroethane	6.75	97	2042823	8.83	ppbv	98
34) 2-Butanone	5.44	43	1777724	6.41	ppbv	100
35) Carbon Tetrachloride	7.27	117	2073221	7.78	ppbv	100
36) Benzene	7.14	78	2577874	8.13	ppbv	97
37) 1,2-Dichloroethane	6.54	62	1688577	7.41	ppbv	100
38) Trichloroethene	8.10	130	907059	7.54	ppbv	95
39) 1,2-Dichloropropane	7.87	63	821931	7.45	ppbv	96
40) 1,4-Dioxane	8.09	88	348646	7.01	ppbv #	1
41) Tetrahydrofuran	6.27	42	953028	7.88	ppbv	100
42) Bromodichloromethane	8.05	83	1879754	7.40	ppbv	100
43) Methyl Methacrylate	8.27	69	836934	7.84	ppbv	99

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Quant Time: May 04 03:25:09 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

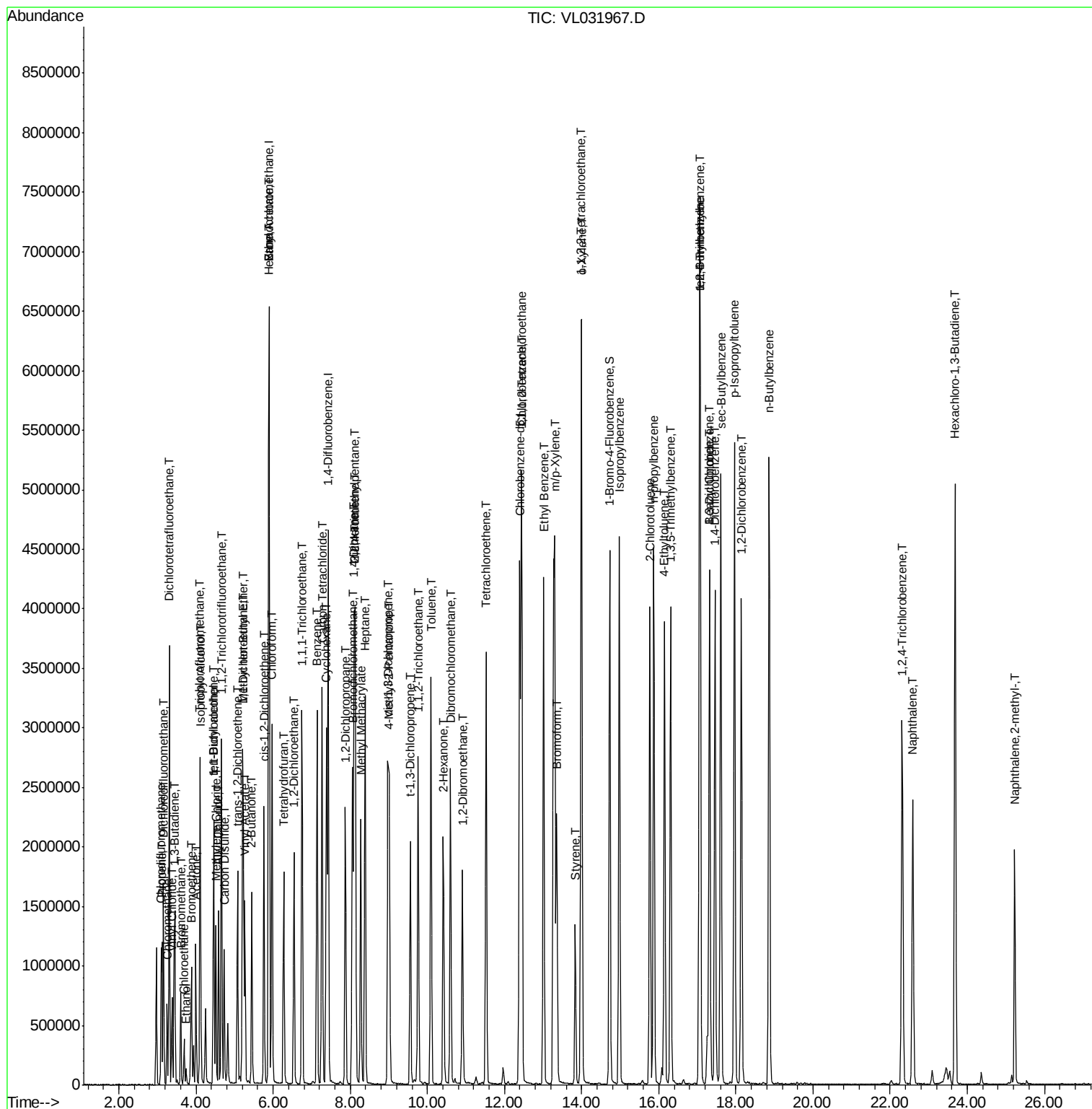
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	3707758	7.25	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1212164	8.56	ppbv	98
46) cis-1,3-Dichloropropene	8.98	75	1444848	8.27	ppbv	97
47) 1,1,2-Trichloroethane	9.76	97	955745	7.32	ppbv	98
48) Dibromochloromethane	10.60	129	1648930	7.88	ppbv	100
49) Bromoform	13.36	173	1340030	8.25	ppbv	99
50) 4-Methyl-2-Pentanone	9.01	43	1973800	7.53	ppbv	99
51) 2-Hexanone	10.41	43	1860261	7.80	ppbv #	100
52) Tetrachloroethene	11.52	164	899911	7.67	ppbv	98
53) Toluene	10.09	91	2762836	8.09	ppbv	100
54) 1,2-Dibromoethane	10.91	107	1501164	7.72	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.43	131	1147071	7.34	ppbv #	58
57) Chlorobenzene	12.45	112	2148667	7.26	ppbv	99
58) Ethyl Benzene	13.01	91	3901325	7.94	ppbv	98
59) m/p-Xylene	13.30	91	2870848	6.89	ppbv #	17
60) o-Xylene	14.00	91	3235377	7.74	ppbv	99
61) Styrene	13.84	104	770674	9.09	ppbv	98
62) Isopropylbenzene	14.98	105	4059998	7.60	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.98	83	2177019	7.33	ppbv	100
64) n-propylbenzene	15.87	120	1057102	7.89	ppbv	97
65) tert-Butylbenzene	17.06	119	3617203	7.59	ppbv	99
66) Benzyl Chloride	17.31	91	431791	9.97	ppbv	99
67) sec-Butylbenzene	17.61	105	5204957	7.87	ppbv	100
69) p-Isopropyltoluene	17.96	119	4323547	8.13	ppbv	99
70) n-Butylbenzene	18.86	91	4526849	8.23	ppbv	99
71) 2-Chlorotoluene	15.77	91	3156013	8.07	ppbv	100
72) 4-Ethyltoluene	16.15	105	3440796	8.11	ppbv	99
73) 1,3,5-Trimethylbenzene	16.31	105	3134915	7.99	ppbv	97
74) 1,2,4-Trimethylbenzene	17.08	105	3368702	7.76	ppbv	97
75) 1,3-Dichlorobenzene	17.31	146	2103882	7.85	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	2138063	8.06	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	2132567	7.91	ppbv	100
78) Hexachloro-1,3-Butadiene	23.69	225	1320240	10.77	ppbv	100
79) Naphthalene	22.59	128	2940881	9.73	ppbv	99
80) Naphthalene,2-methyl-	25.23	142	1057906	14.67	ppbv	99
81) 1,2,4-Trichlorobenzene	22.31	180	1493314	8.91	ppbv	99

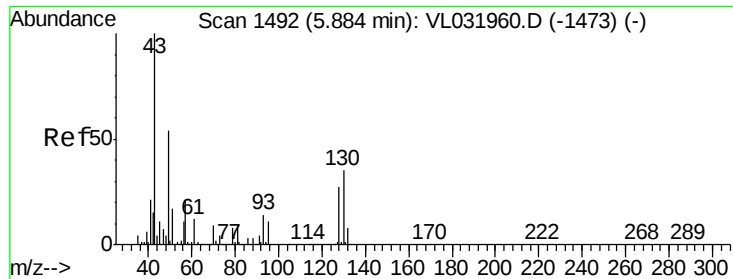
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

BFB

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VL031967.D

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ClientSampleId :

BFB

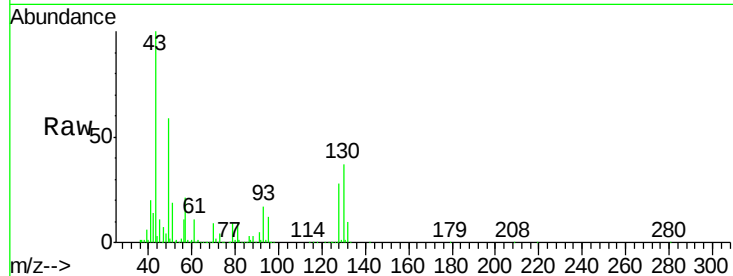
Tgt Ion: 49 Resp: 1390769

Ion Ratio Lower Upper

49 100

128 47.6 24.1 72.3

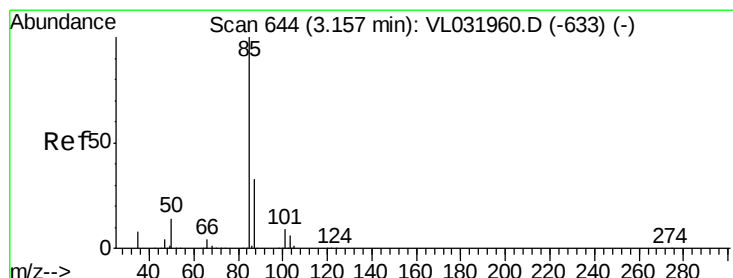
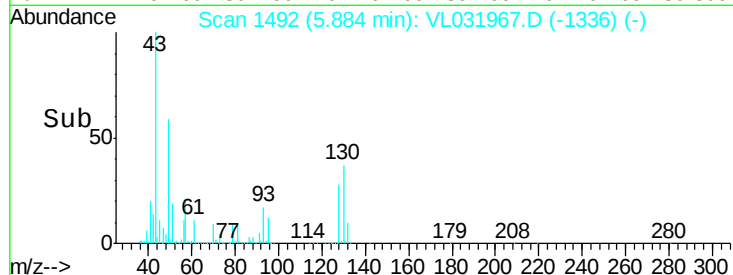
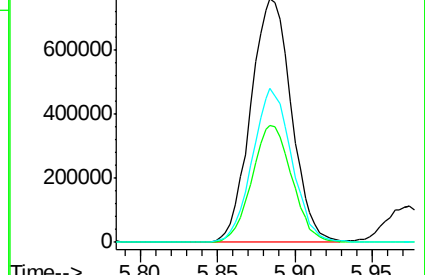
130 61.5 30.7 92.1



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: 6.65 ppbv

RT: 3.16 min Scan# 644

Delta R.T. 0.00 min

Lab File: VL031967.D

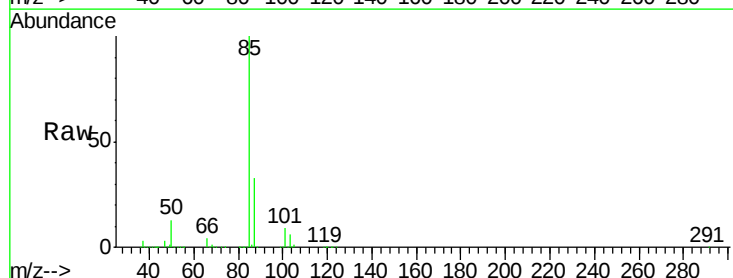
Acq: 3 May 2018 16:17

Tgt Ion: 85 Resp: 1221588

Ion Ratio Lower Upper

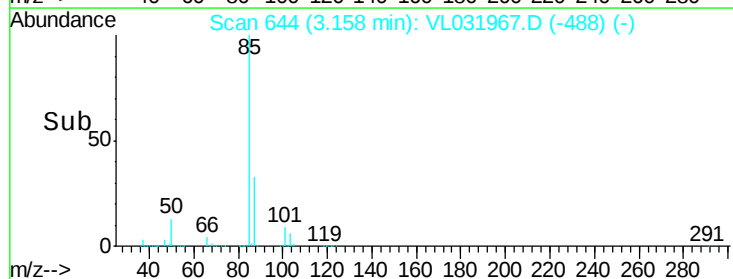
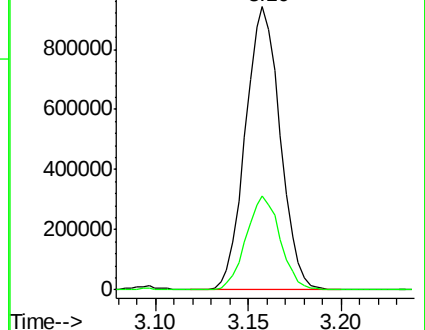
85 100

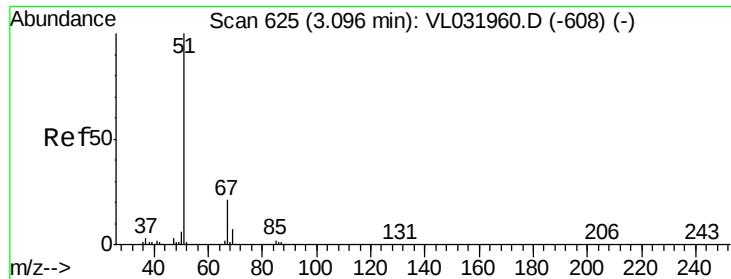
87 33.0 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.73 ppbv

RT: 3.10 min Scan# 625

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

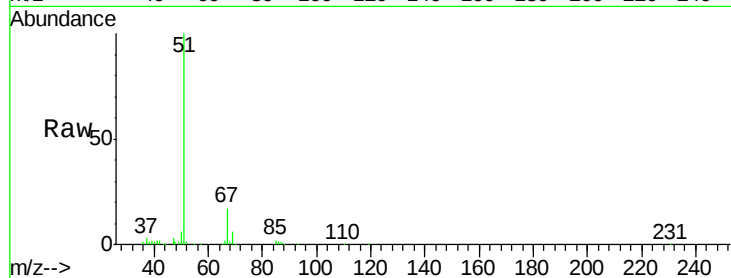
BFB

Tgt Ion: 51 Resp: 1011173

Ion Ratio Lower Upper

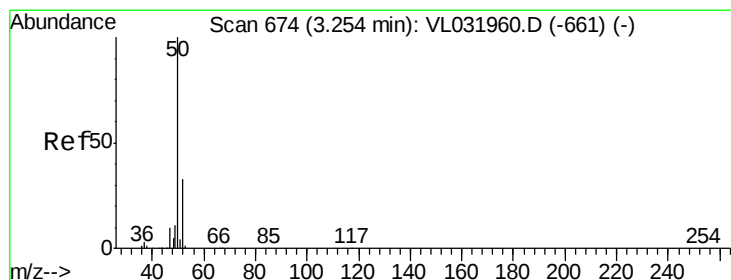
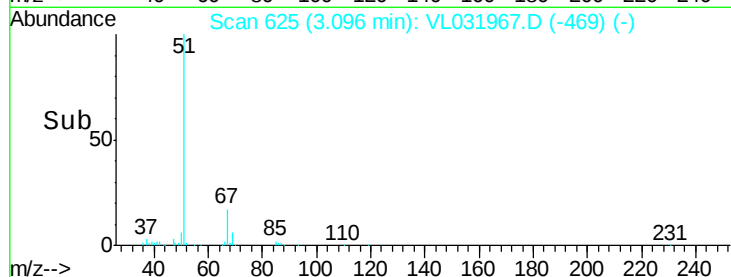
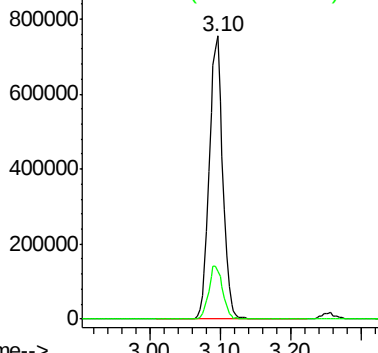
51 100

67 19.5 15.9 23.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.50 ppbv

RT: 3.25 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL031967.D

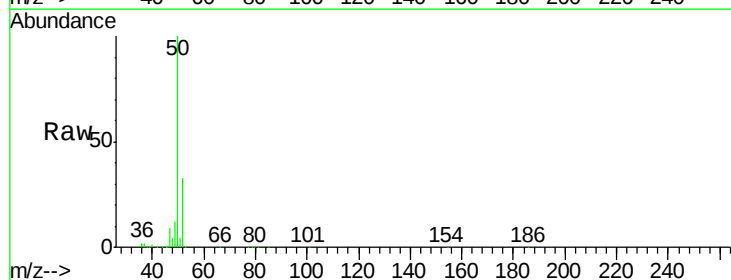
Acq: 3 May 2018 16:17

Tgt Ion: 50 Resp: 585624

Ion Ratio Lower Upper

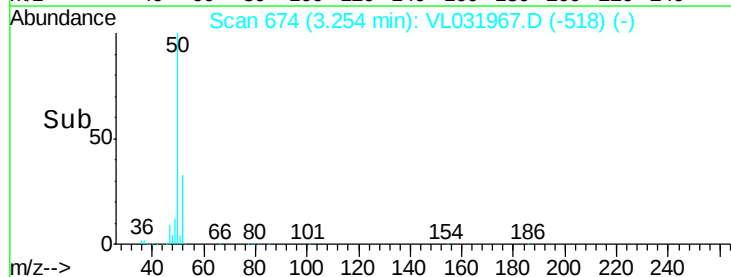
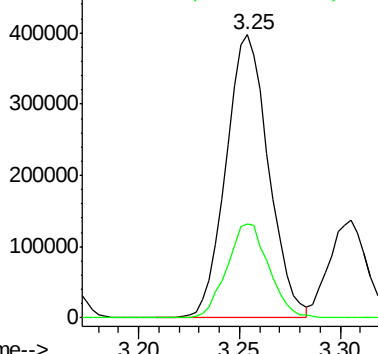
50 100

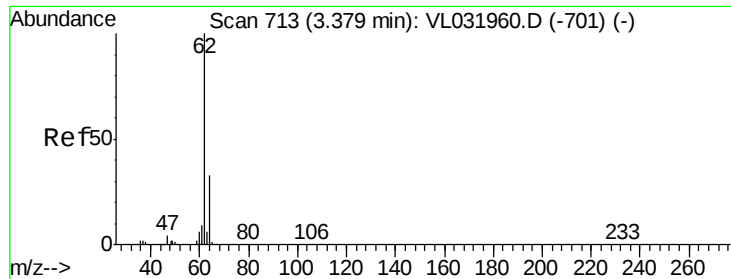
52 33.4 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.83 ppbv

RT: 3.38 min Scan# 713

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

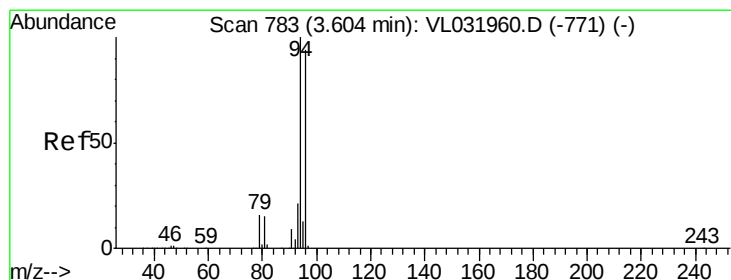
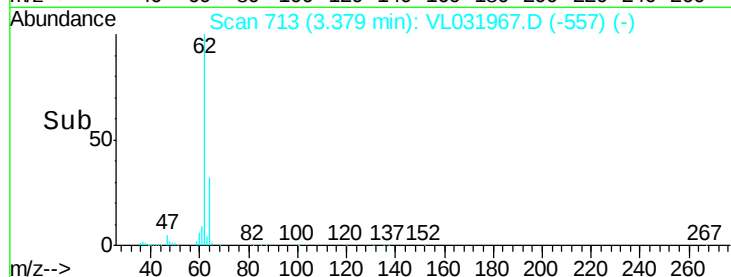
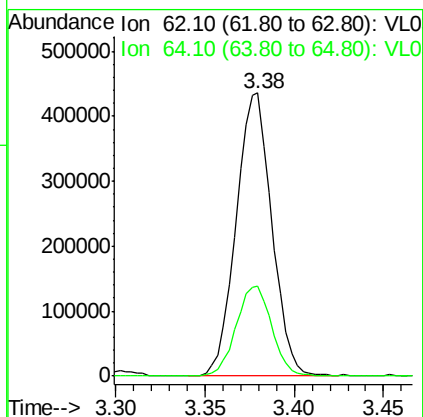
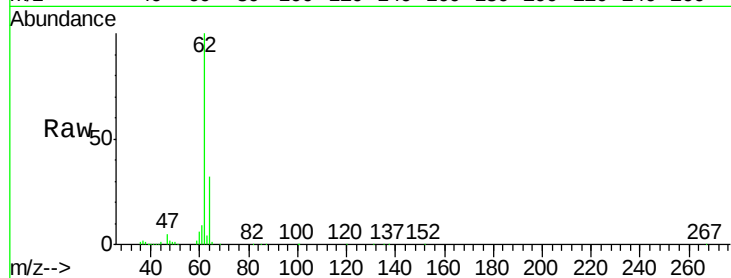
BFB

Tgt Ion: 62 Resp: 609253

Ion Ratio Lower Upper

62 100

64 31.8 26.6 39.8



#6

Bromomethane

Concen: 8.04 ppbv

RT: 3.60 min Scan# 783

Delta R.T. 0.00 min

Lab File: VL031967.D

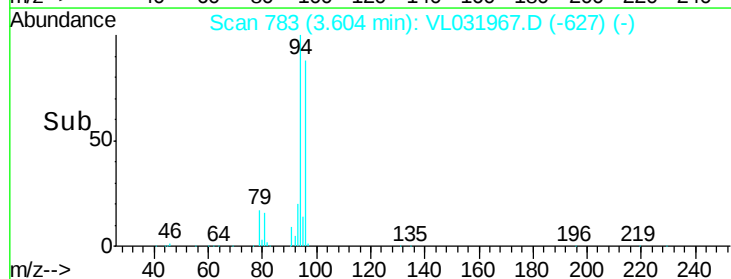
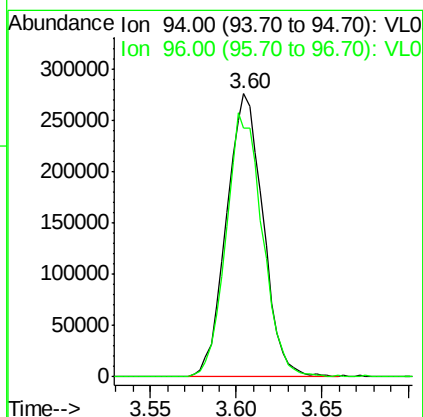
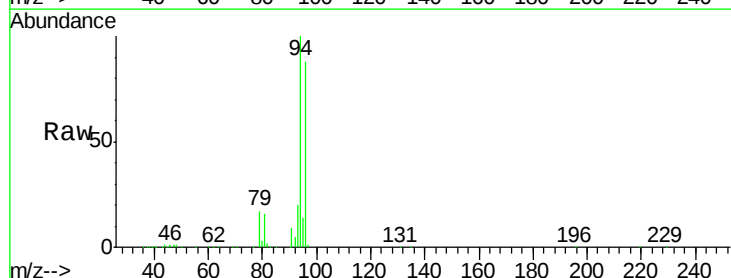
Acq: 3 May 2018 16:17

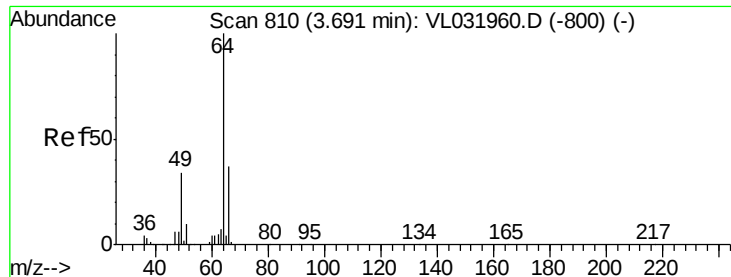
Tgt Ion: 94 Resp: 407131

Ion Ratio Lower Upper

94 100

96 87.7 75.5 113.3





#7

Chloroethane

Concen: 8.36 ppbv

RT: 3.69 min Scan# 811

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

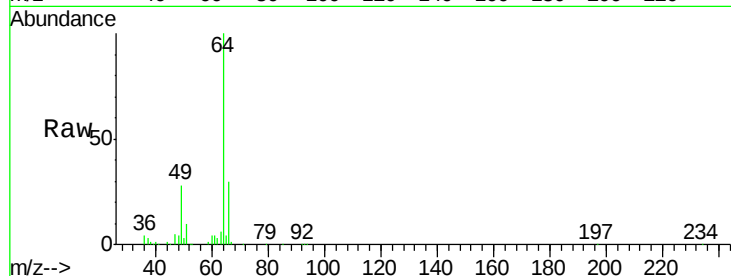
BFB

Tgt Ion: 64 Resp: 247453

Ion Ratio Lower Upper

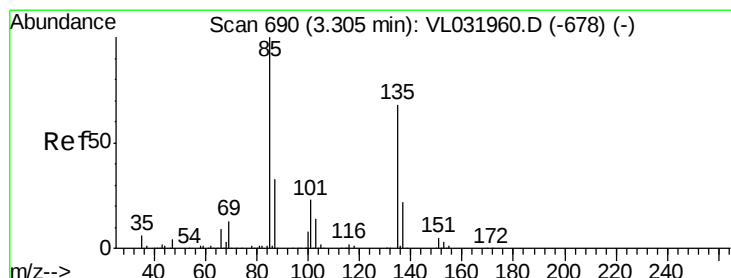
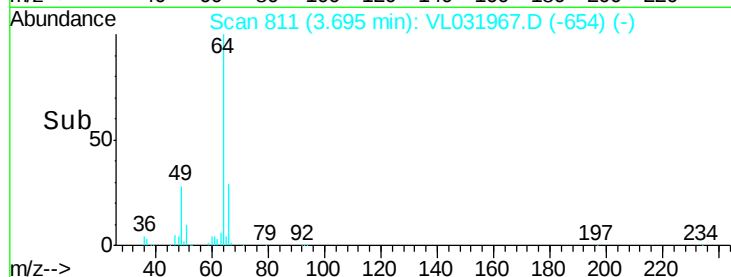
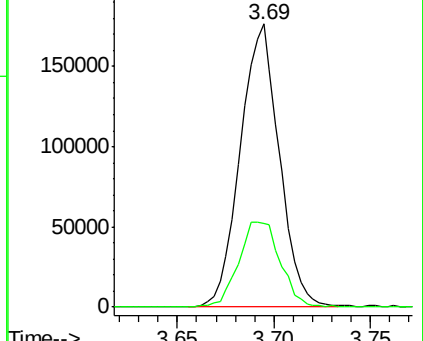
64 100

66 29.6 29.6 44.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 7.85 ppbv

RT: 3.31 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL031967.D

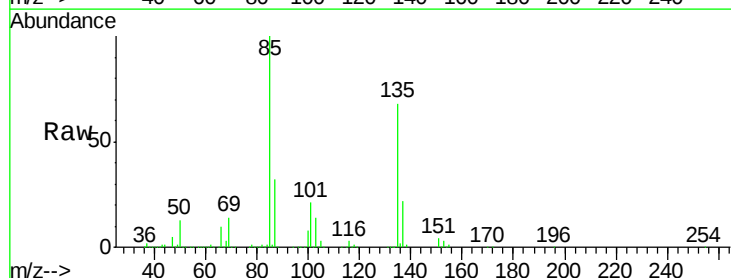
Acq: 3 May 2018 16:17

Tgt Ion: 85 Resp: 1435727

Ion Ratio Lower Upper

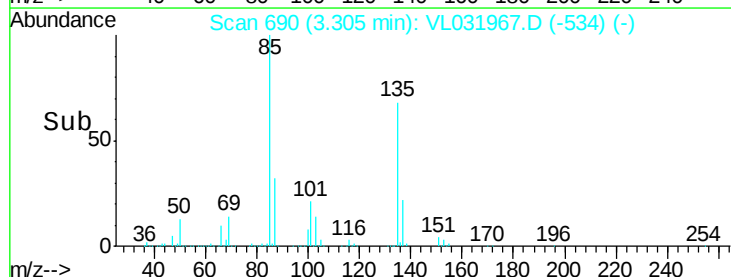
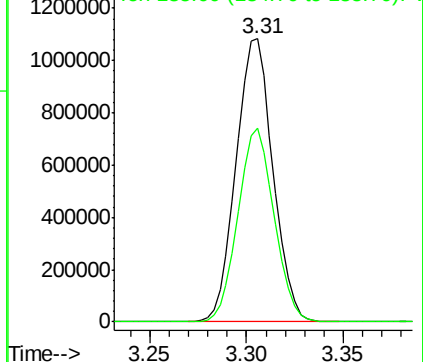
85 100

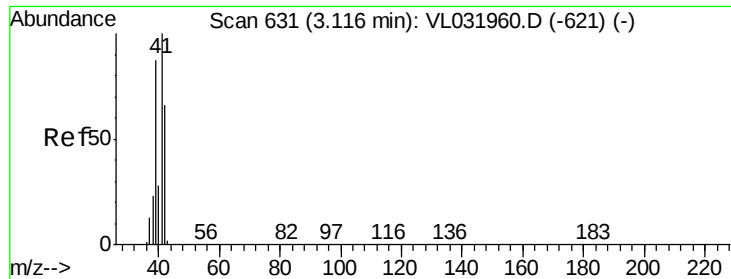
135 67.4 54.8 82.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.68 ppbv

RT: 3.12 min Scan# 632

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

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ClientSampleId :

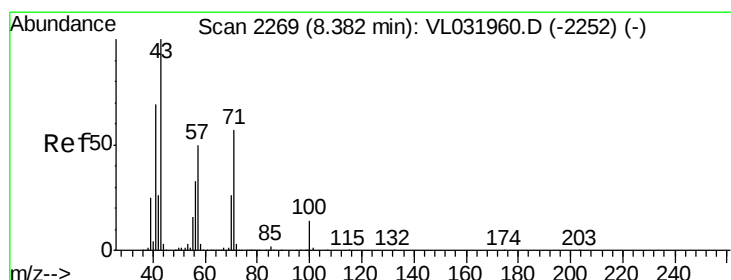
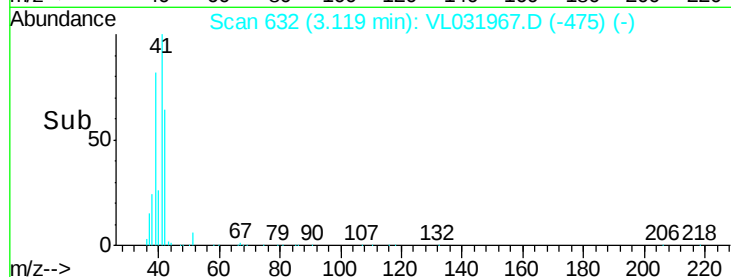
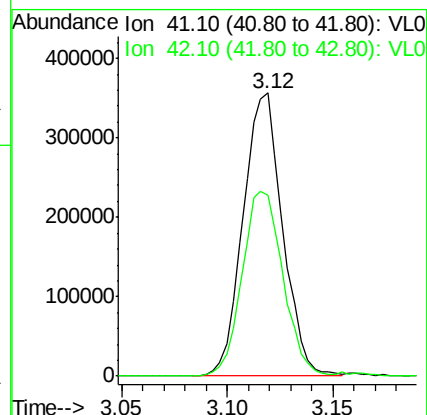
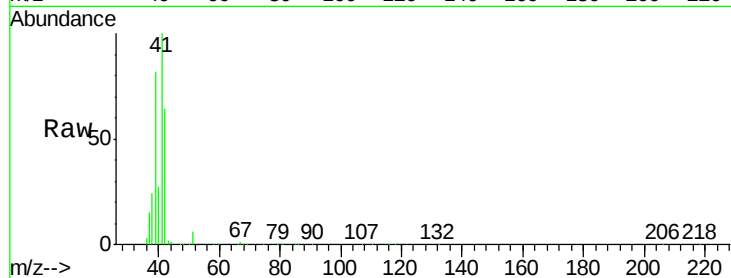
BFB

Tgt Ion: 41 Resp: 464219

Ion Ratio Lower Upper

41 100

42 68.4 53.9 80.9



#10

Heptane

Concen: 8.83 ppbv

RT: 8.39 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VL031967.D

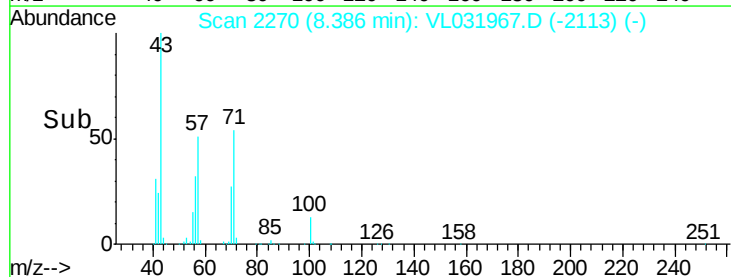
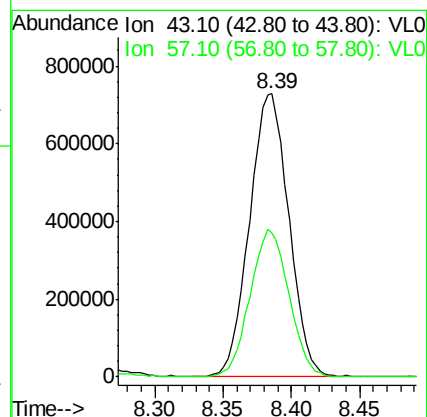
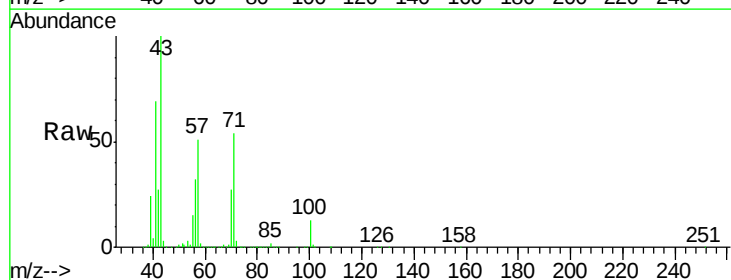
Acq: 3 May 2018 16:17

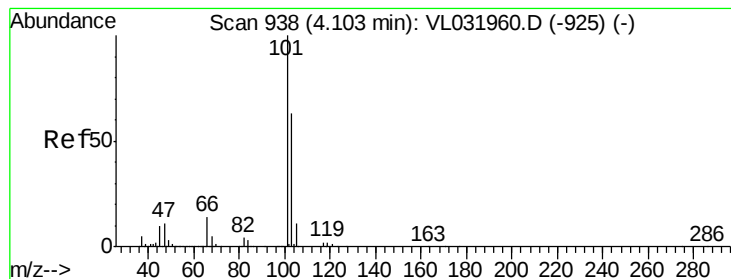
Tgt Ion: 43 Resp: 1456538

Ion Ratio Lower Upper

43 100

57 51.4 40.7 61.1





#11

Trichlorofluoromethane

Concen: 7.52 ppbv

RT: 4.10 min Scan# 938

Delta R.T. 0.00 min

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ClientSampleId :

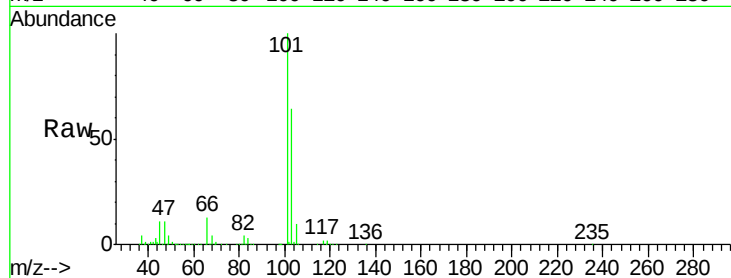
BFB

Tgt Ion:101 Resp: 1668512

Ion Ratio Lower Upper

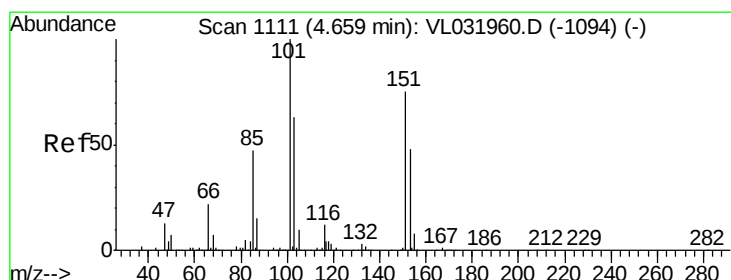
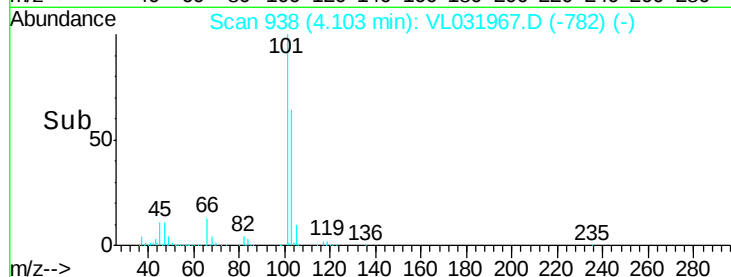
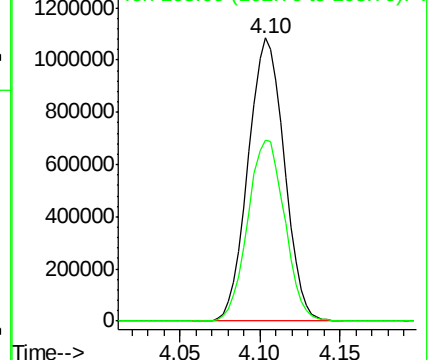
101 100

103 64.0 50.7 76.1



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: 6.69 ppbv

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VL031967.D

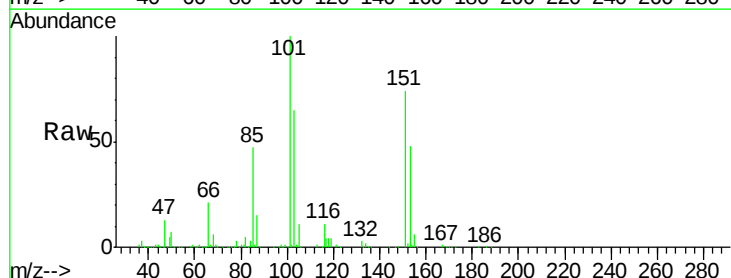
Acq: 3 May 2018 16:17

Tgt Ion:101 Resp: 1045886

Ion Ratio Lower Upper

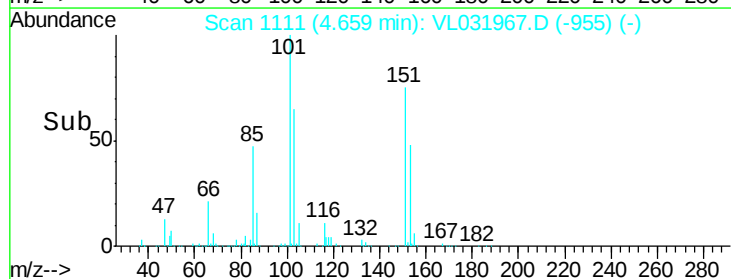
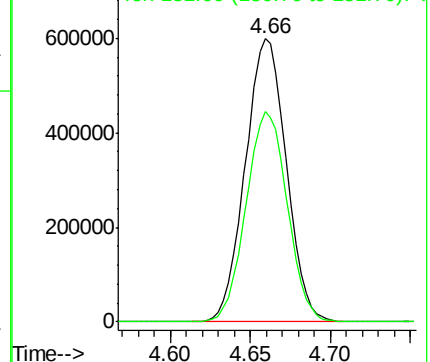
101 100

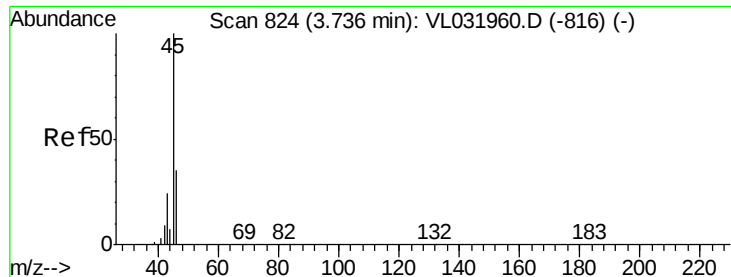
151 74.9 60.2 90.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.05 ppbv

RT: 3.74 min Scan# 825

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

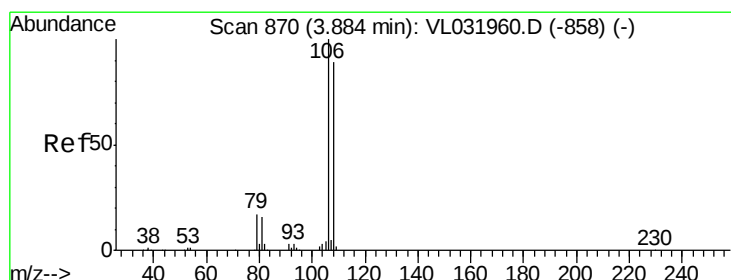
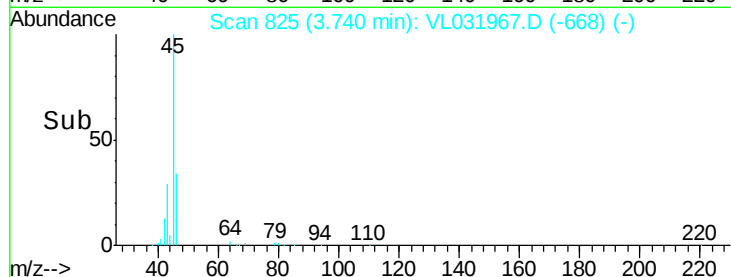
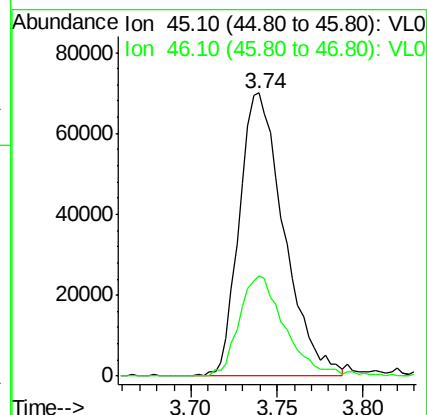
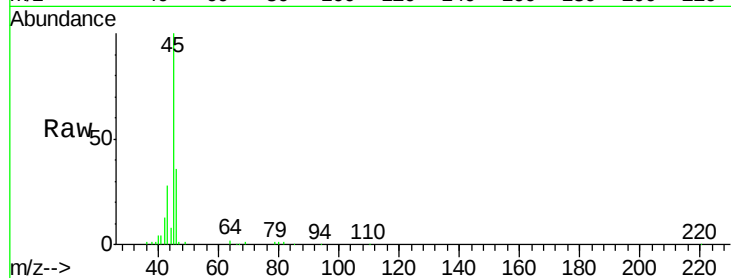
BFB

Tgt Ion: 45 Resp: 126175

Ion Ratio Lower Upper

45 100

46 36.5 0.0 0.0#



#14

Bromoethene

Concen: 8.12 ppbv

RT: 3.88 min Scan# 869

Delta R.T. -0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

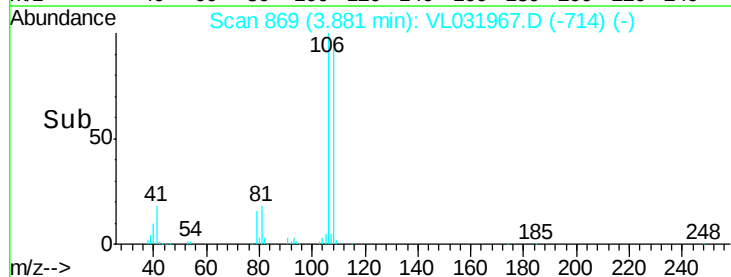
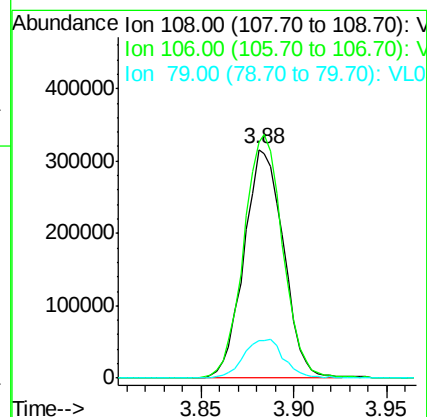
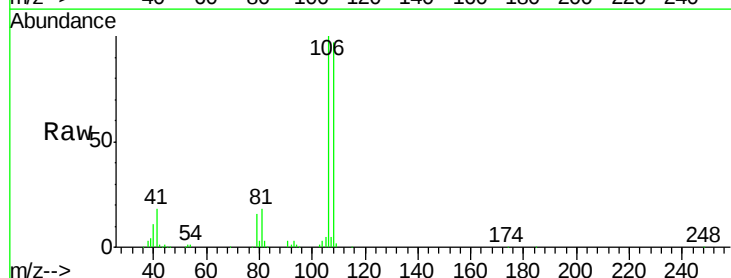
Tgt Ion: 108 Resp: 469110

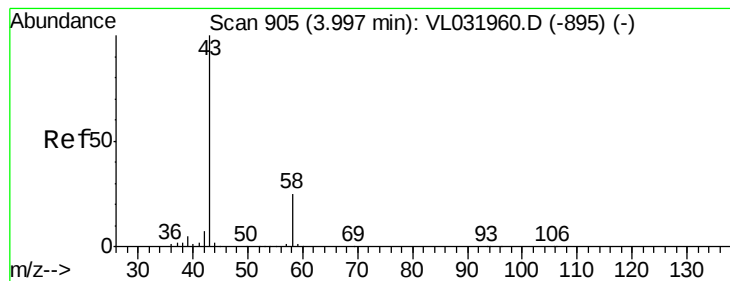
Ion Ratio Lower Upper

108 100

106 105.7 86.8 130.2

79 17.6 14.7 22.1





#15

Acetone

Concen: 5.85 ppbv

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

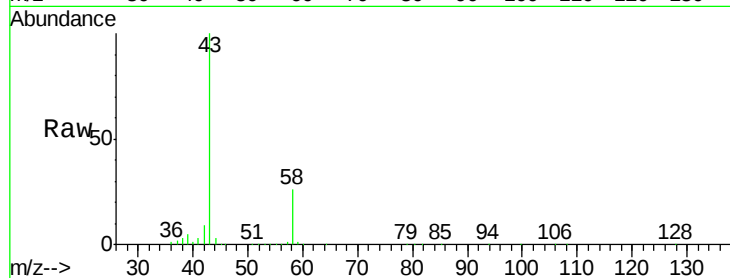
BFB

Tgt Ion: 43 Resp: 1150130

Ion Ratio Lower Upper

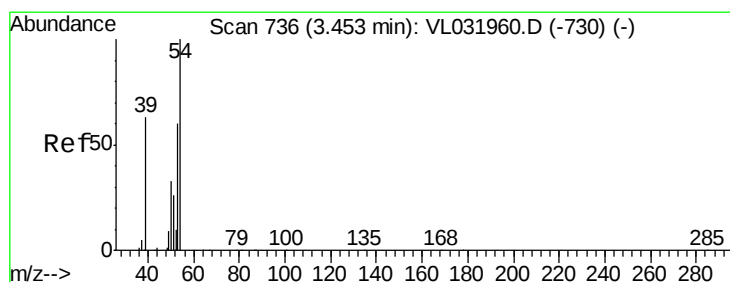
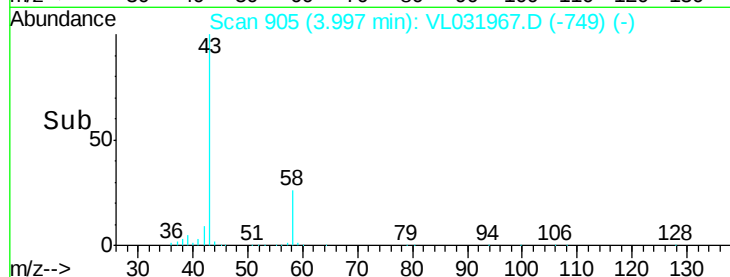
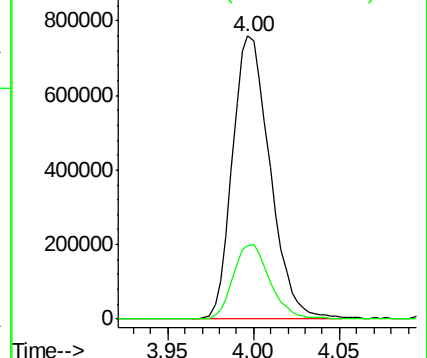
43 100

58 26.1 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 8.74 ppbv

RT: 3.45 min Scan# 735

Delta R.T. -0.00 min

Lab File: VL031967.D

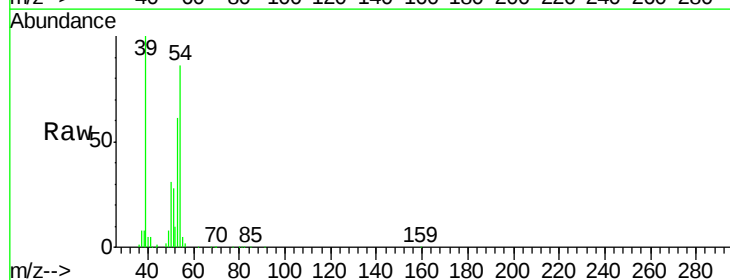
Acq: 3 May 2018 16:17

Tgt Ion: 39 Resp: 552304

Ion Ratio Lower Upper

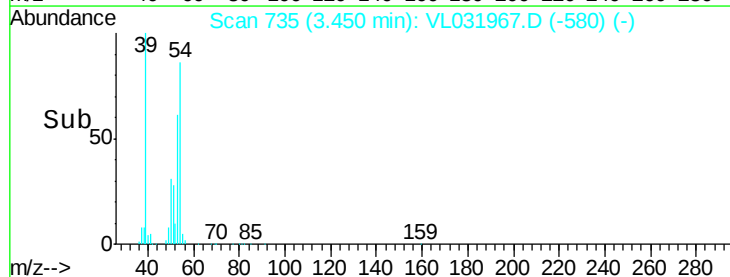
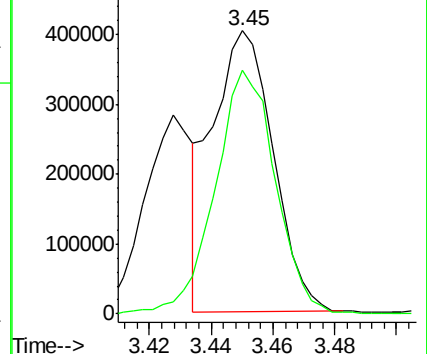
39 100

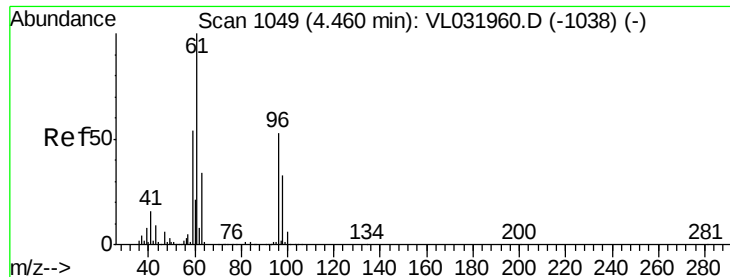
54 86.4 66.2 99.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



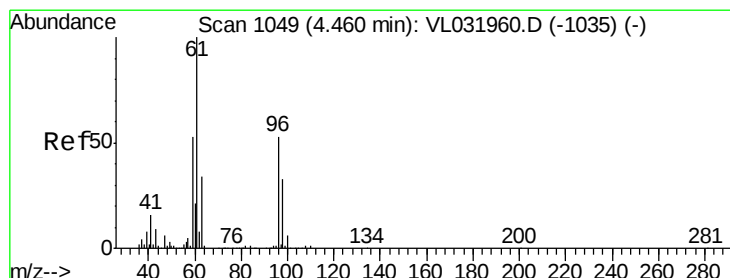
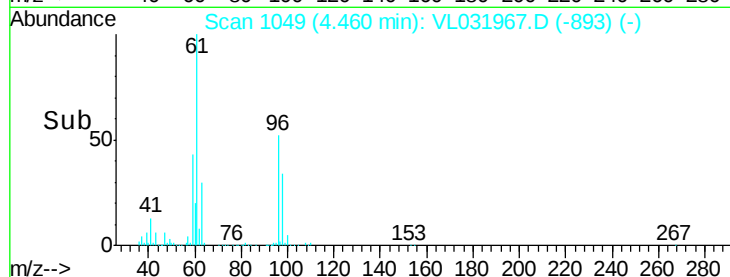
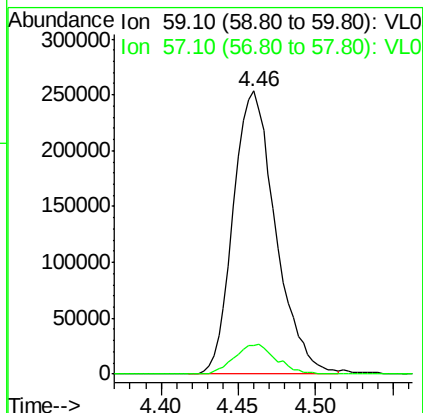
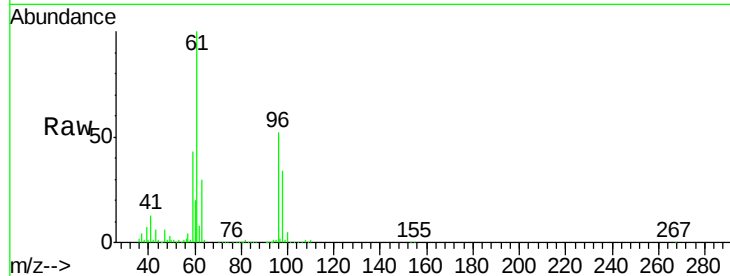


#17

tert-Butyl alcohol
Concen: 5.92 ppbv
RT: 4.46 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Instrument :
MSVOA_L
ClientSampleId :
BFB

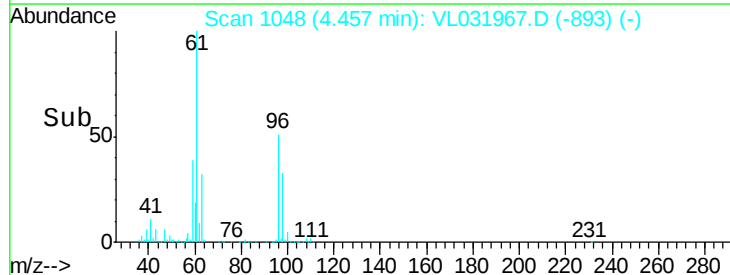
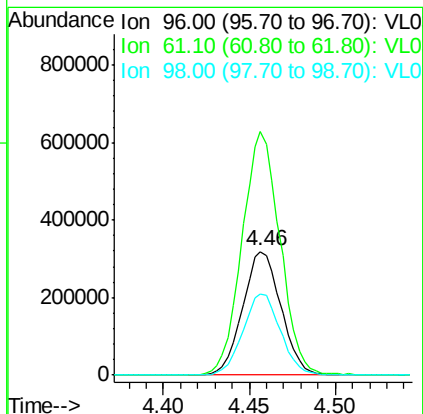
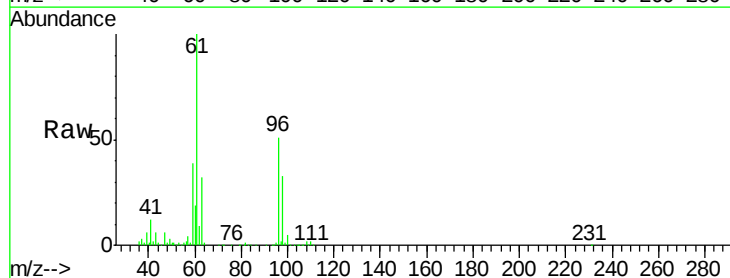
Tgt Ion: 59 Resp: 481681
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5

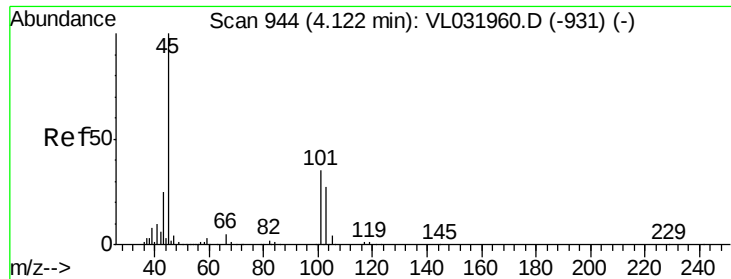


#18

1,1-Dichloroethene
Concen: 7.20 ppbv
RT: 4.46 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 96 Resp: 493485
Ion Ratio Lower Upper
96 100
61 196.6 149.9 224.9
98 65.0 49.7 74.5





#19

Isopropyl Alcohol

Concen: 7.71 ppbv

RT: 4.12 min Scan# 943

Delta R.T. -0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

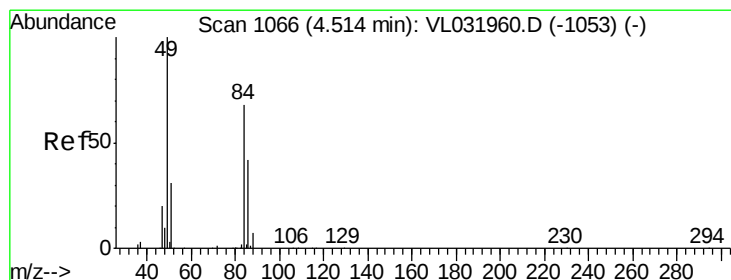
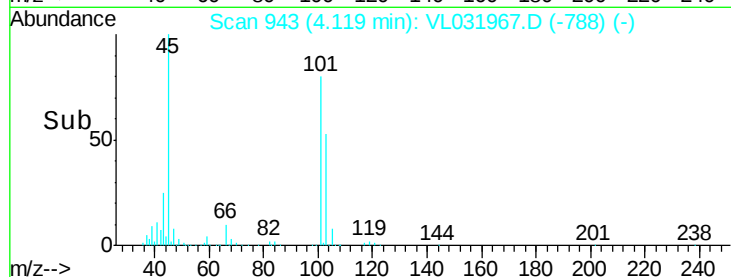
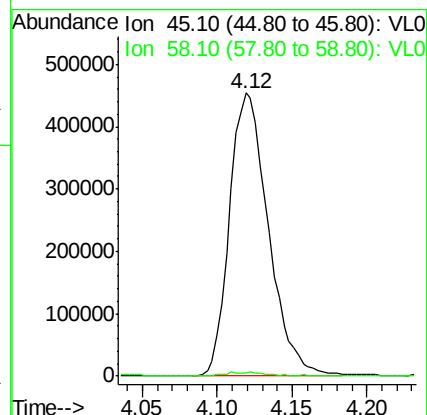
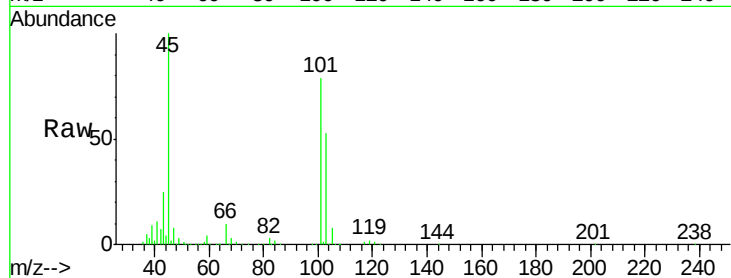
BFB

Tgt Ion: 45 Resp: 819494

Ion Ratio Lower Upper

45 100

58 1.5 1.4 2.2



#20

Methylene Chloride

Concen: 6.73 ppbv

RT: 4.51 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Tgt Ion: 84 Resp: 446684

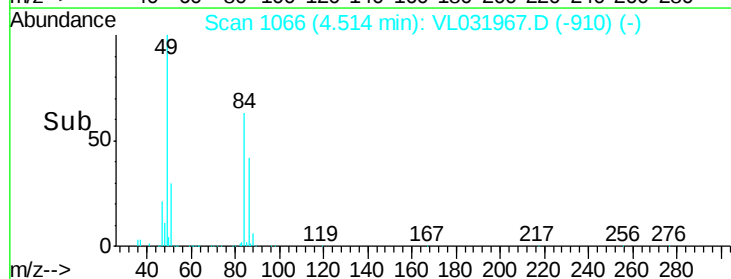
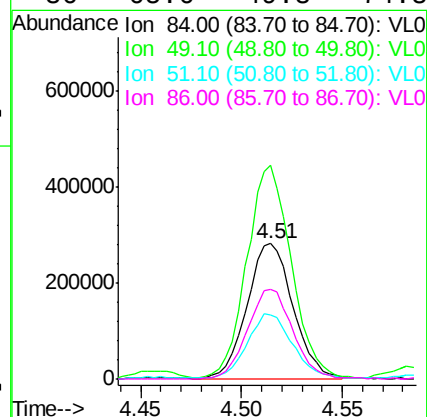
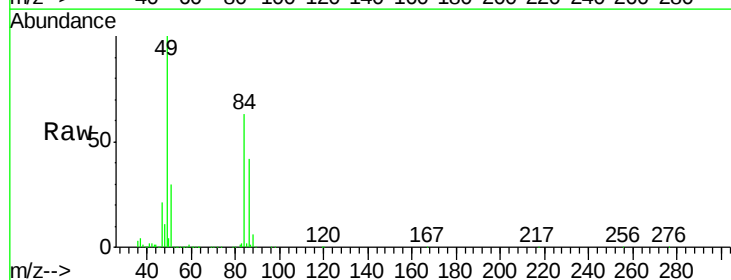
Ion Ratio Lower Upper

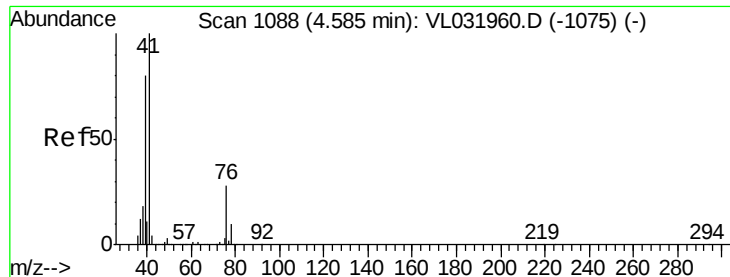
84 100

49 157.0 118.6 178.0

51 47.1 36.6 54.8

86 65.6 49.8 74.8

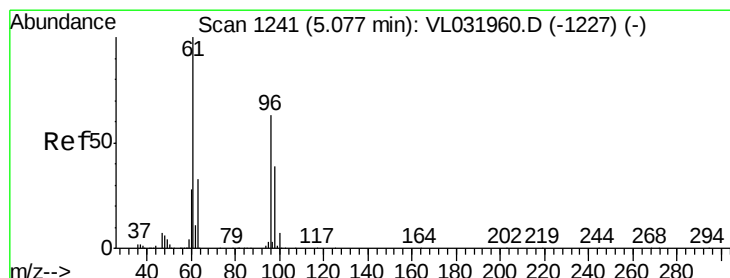
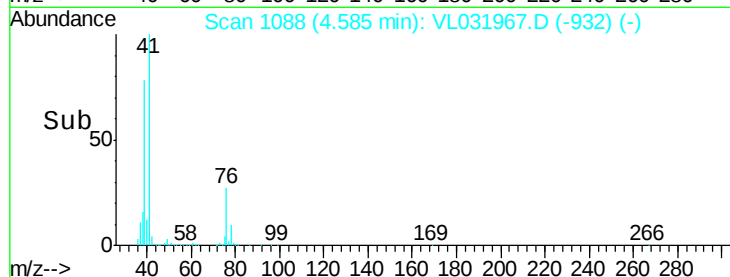
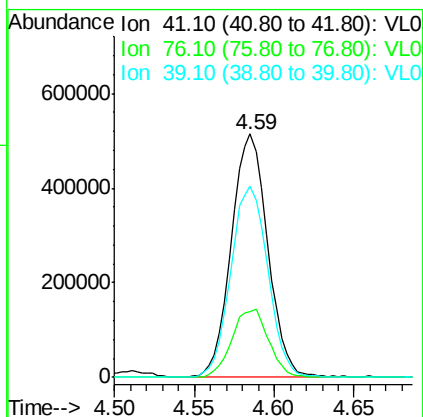
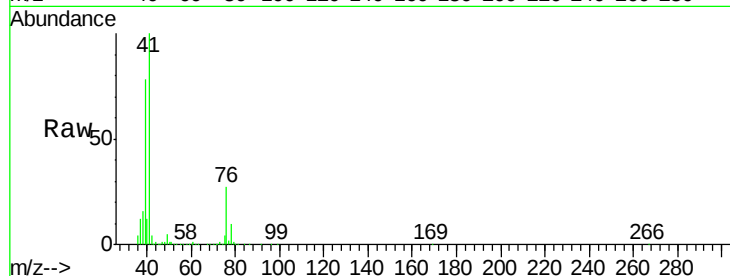




#21
 Allyl Chloride
 Concen: 7.04 ppbv
 RT: 4.59 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

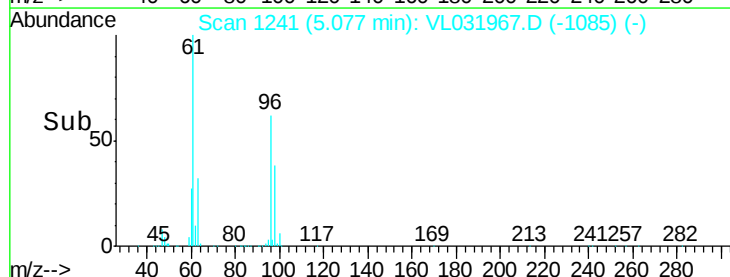
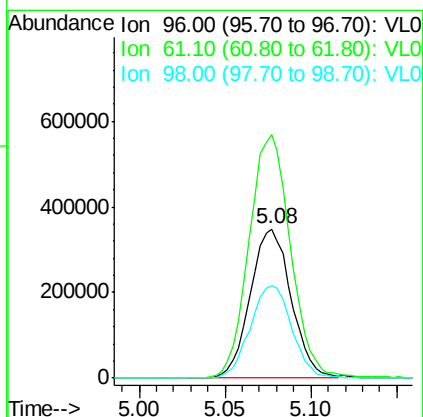
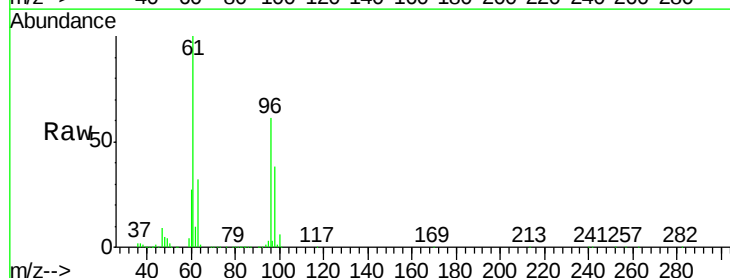
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

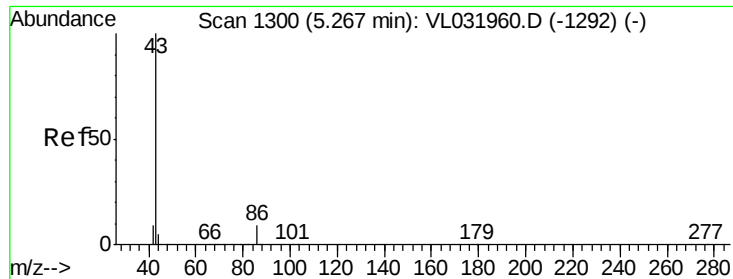
Tgt Ion: 41 Resp: 789025
 Ion Ratio Lower Upper
 41 100
 76 28.6 23.4 35.0
 39 80.8 64.5 96.7



#22
 trans-1,2-Dichloroethene
 Concen: 7.55 ppbv
 RT: 5.08 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion: 96 Resp: 573833
 Ion Ratio Lower Upper
 96 100
 61 163.1 127.7 191.5
 98 62.1 49.3 73.9





#23

Vinyl Acetate

Concen: 8.58 ppbv

RT: 5.27 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

BFB

Tgt Ion: 43 Resp: 1928196

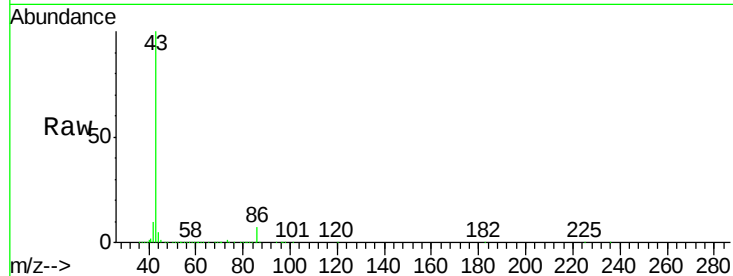
Ion Ratio Lower Upper

43 100

86 7.5 6.1 9.1

42 9.8 8.0 12.0

44 5.1 3.9 5.9

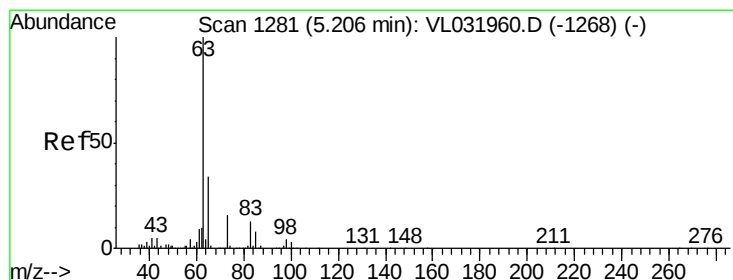
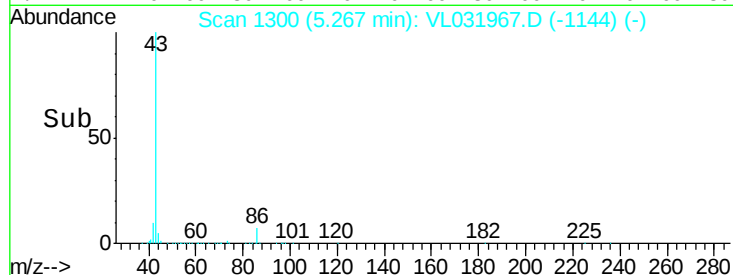
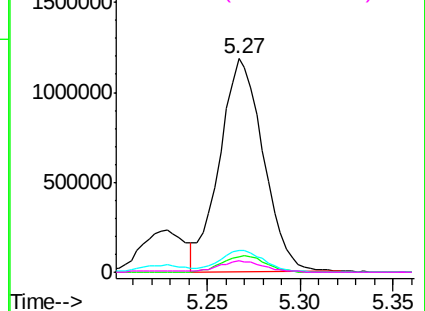


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.13 ppbv

RT: 5.21 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

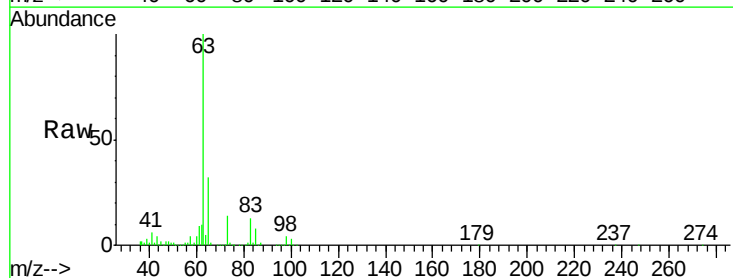
Tgt Ion: 63 Resp: 1703941

Ion Ratio Lower Upper

63 100

98 4.3 2.2 6.6

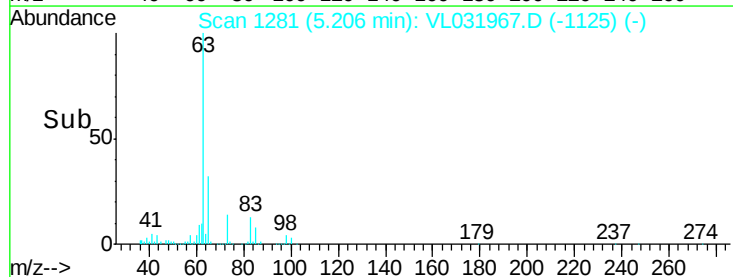
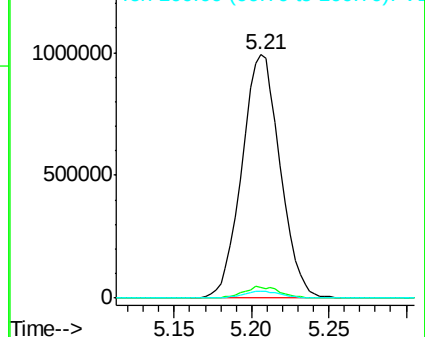
100 2.9 1.5 4.5

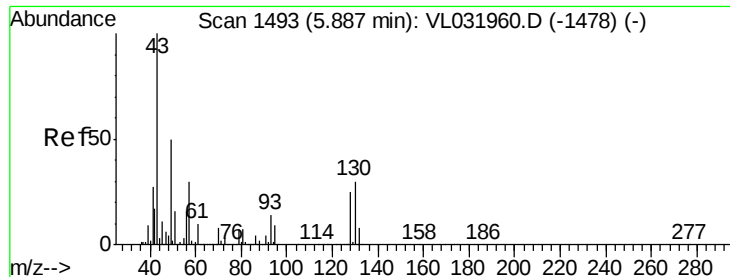


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



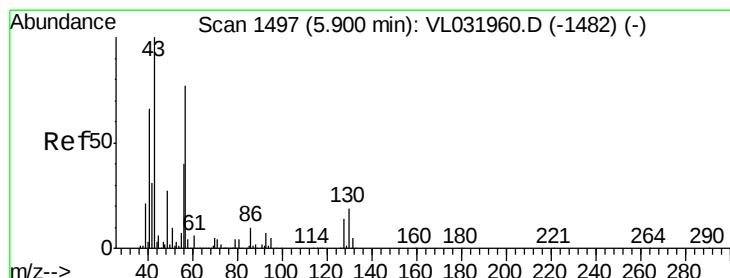
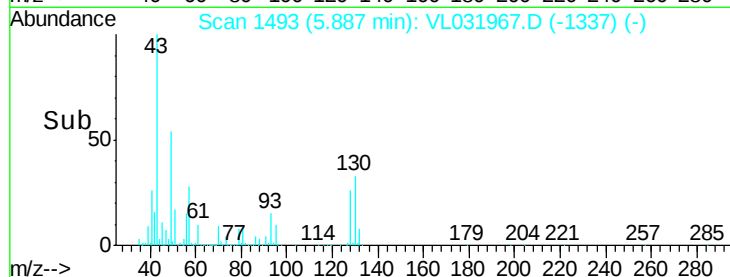
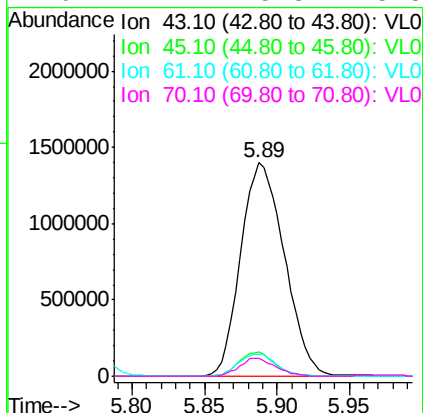
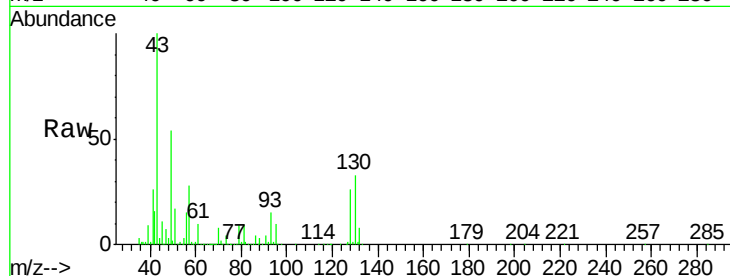


#25
Ethyl Acetate
Concen: 8.69 ppbv
RT: 5.89 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Instrument :
MSVOA_L
ClientSampleId :
BFB

Tgt Ion: 43 Resp: 2932151

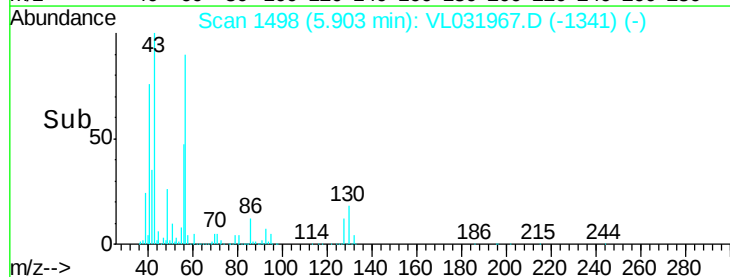
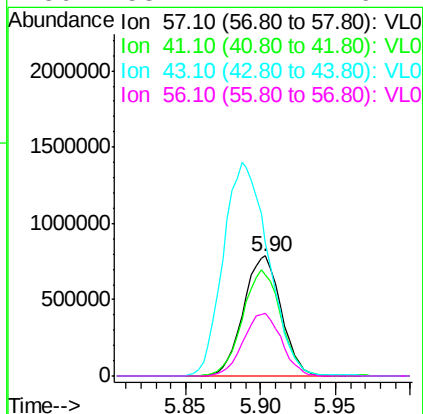
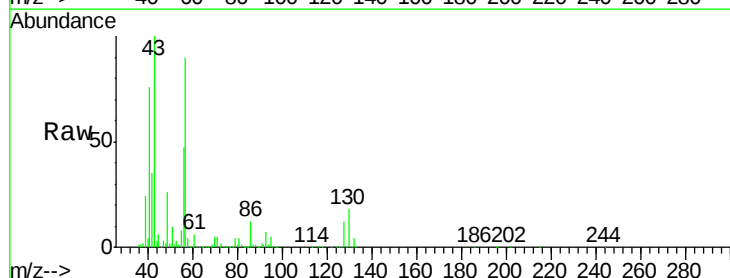
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.2	7.4	11.2
70	7.2	5.8	8.8

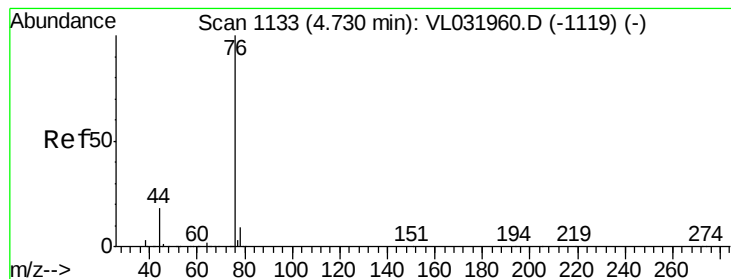


#26
Hexane
Concen: 8.68 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 57 Resp: 1377625

Ion	Ratio	Lower	Upper
57	100		
41	90.6	71.8	107.6
43	214.6	171.5	257.3
56	53.1	41.4	62.2





#27

Carbon Disulfide

Concen: 7.68 ppbv

RT: 4.73 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampled :

BFB

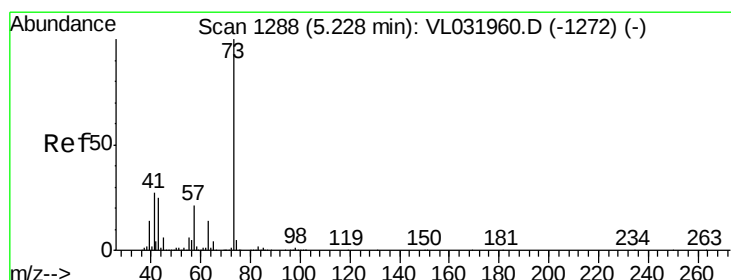
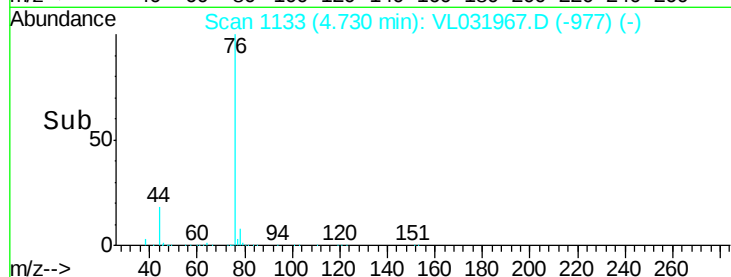
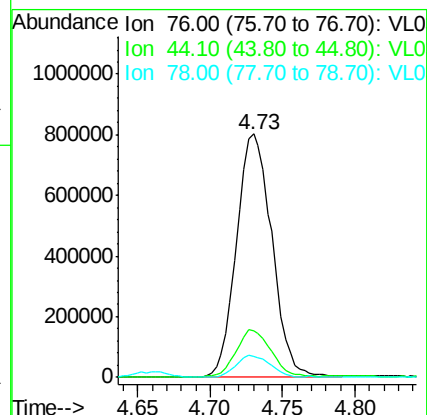
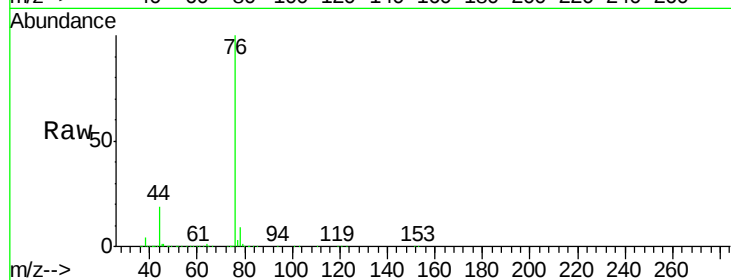
Tgt Ion: 76 Resp: 1366016

Ion Ratio Lower Upper

76 100

44 19.3 15.4 23.0

78 9.0 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 8.53 ppbv

RT: 5.23 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL031967.D

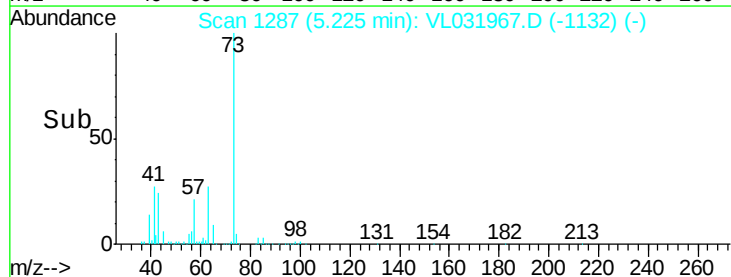
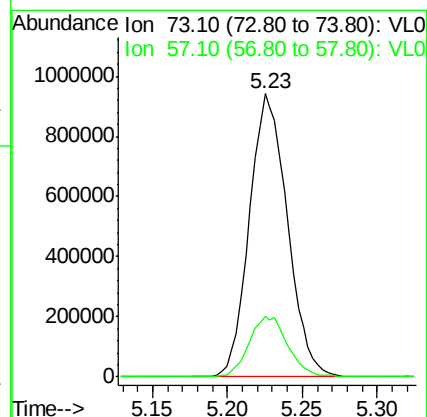
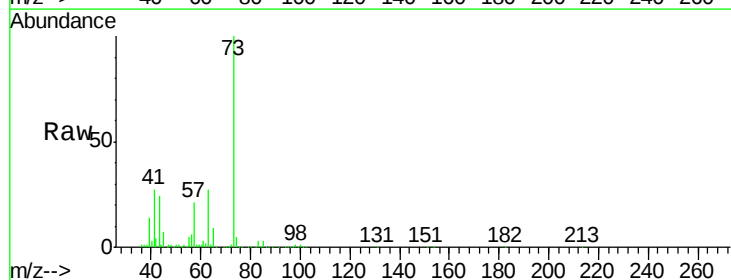
Acq: 3 May 2018 16:17

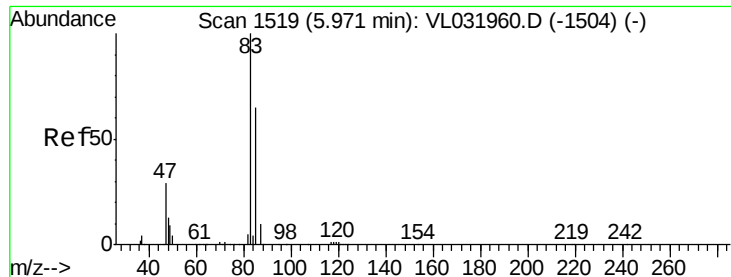
Tgt Ion: 73 Resp: 1663871

Ion Ratio Lower Upper

73 100

57 21.9 17.6 26.4





#29

Chloroform

Concen: 8.61 ppbv

RT: 5.97 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

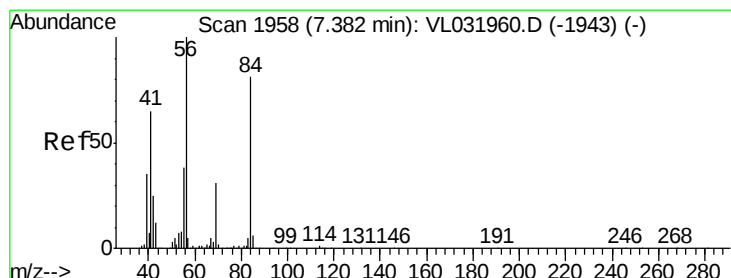
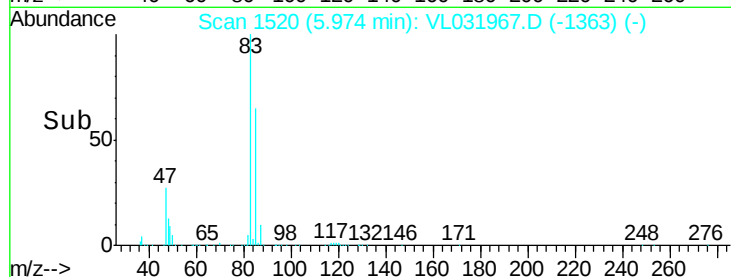
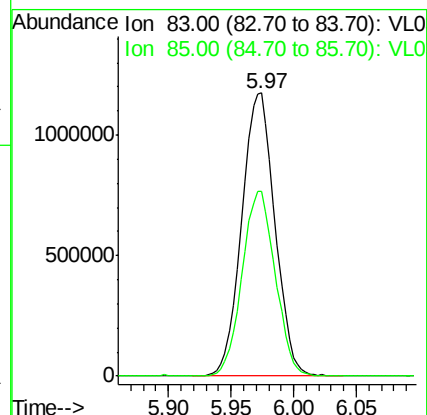
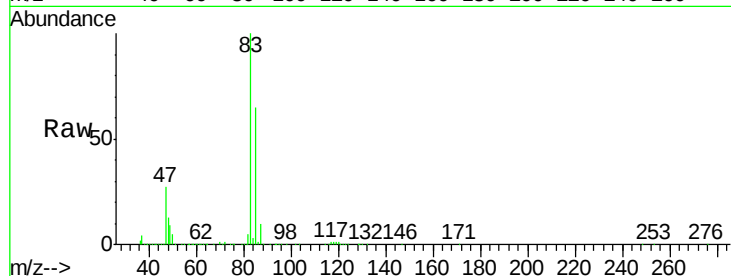
BFB

Tgt Ion: 83 Resp: 2160345

Ion Ratio Lower Upper

83 100

85 65.0 52.2 78.2



#30

Cyclohexane

Concen: 9.94 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

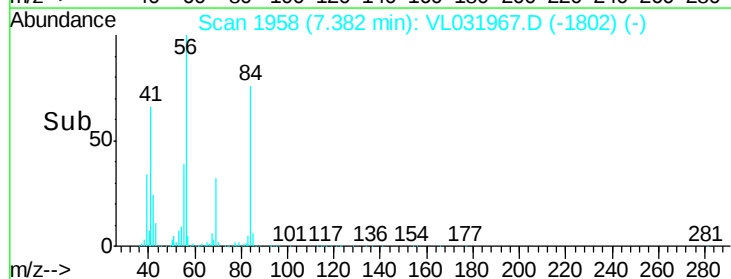
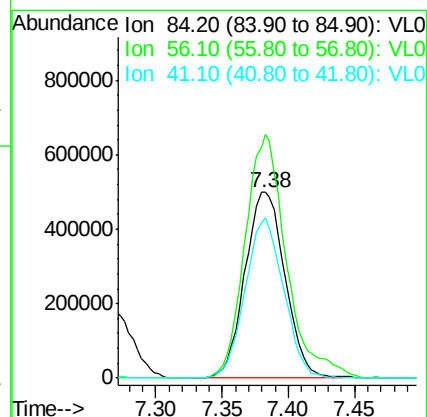
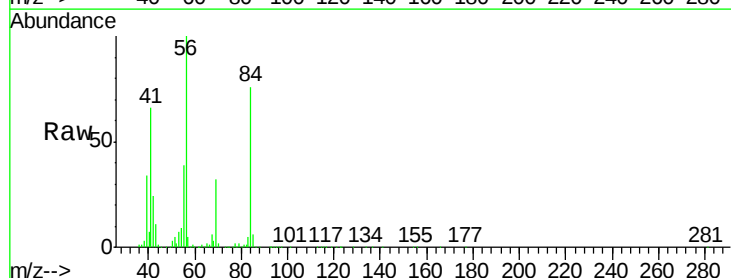
Tgt Ion: 84 Resp: 1050879

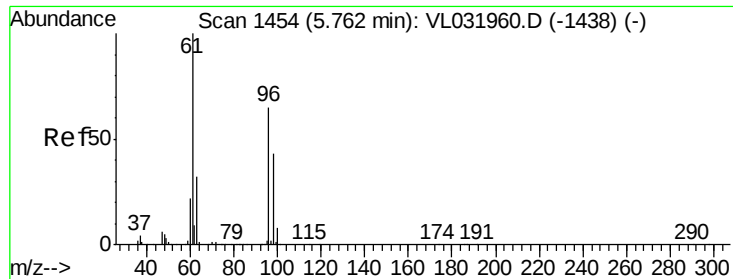
Ion Ratio Lower Upper

84 100

56 135.5 108.0 162.0

41 82.6 66.8 100.2

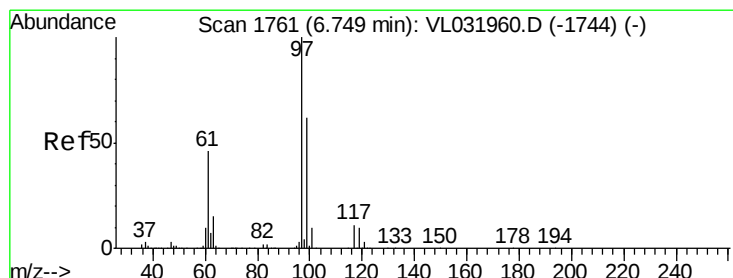
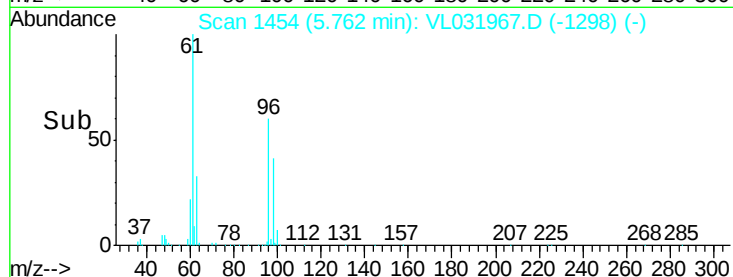
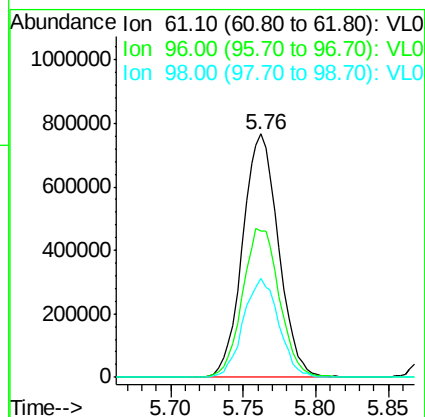
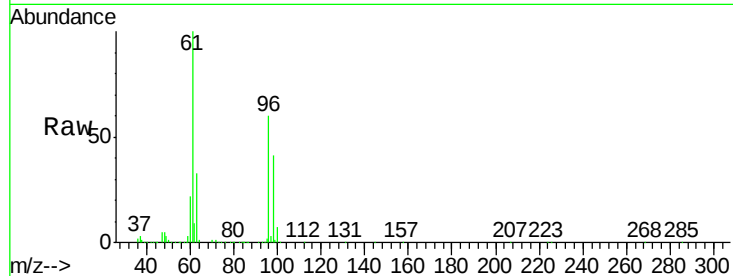




#31
 cis-1,2-Dichloroethene
 Concen: 9.09 ppbv
 RT: 5.76 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

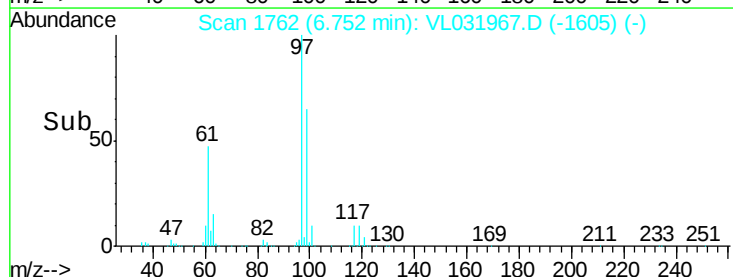
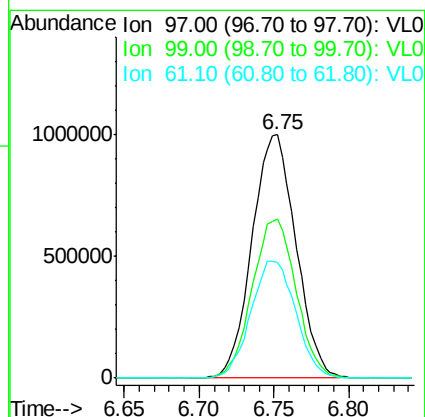
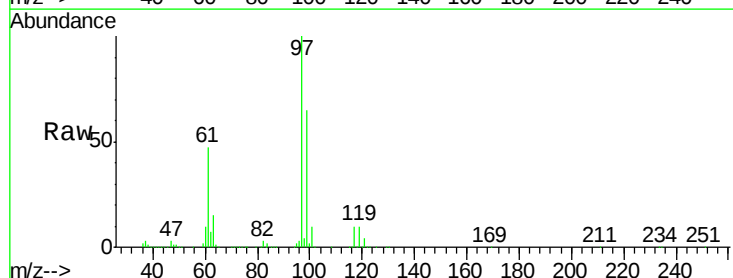
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

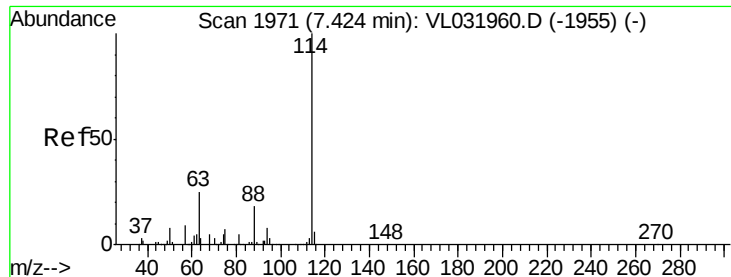
Tgt Ion: 61 Resp: 1319112
 Ion Ratio Lower Upper
 61 100
 96 60.3 51.8 77.6
 98 40.8 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 8.83 ppbv
 RT: 6.75 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion: 97 Resp: 2042823
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.0 76.6
 61 49.2 38.1 57.1

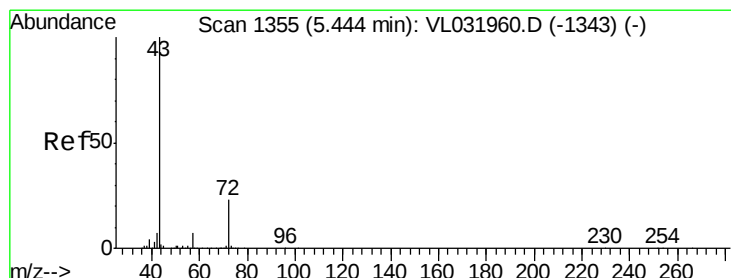
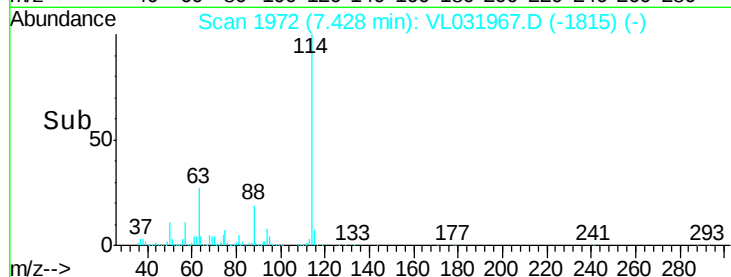
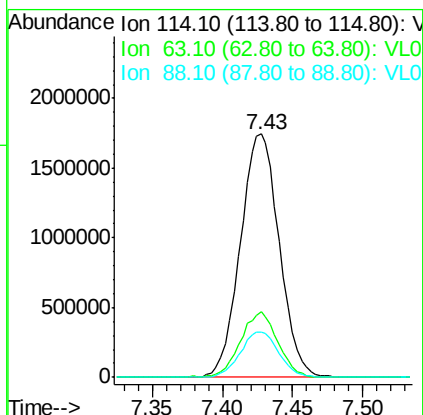
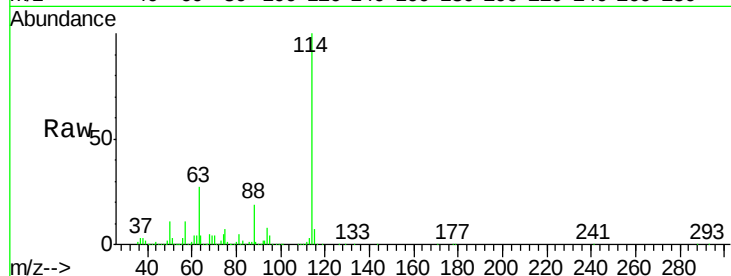




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

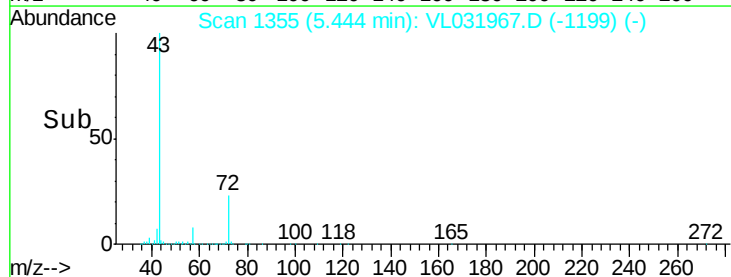
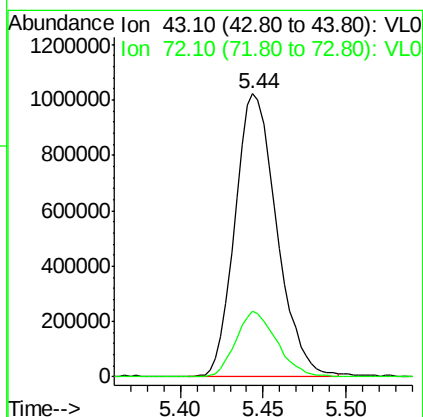
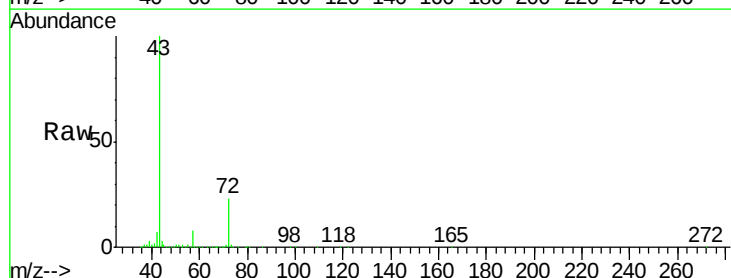
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

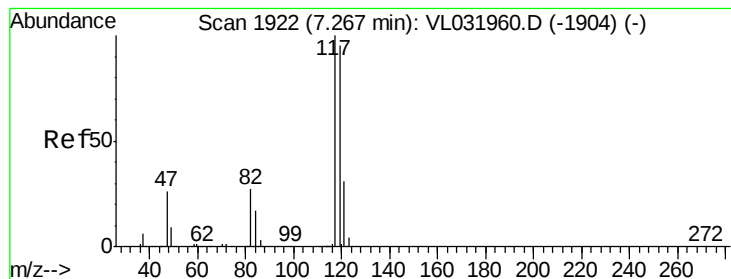
Tgt Ion:114 Resp: 3364219
 Ion Ratio Lower Upper
 114 100
 63 26.1 20.8 31.2
 88 18.6 14.6 21.8



#34
 2-Butanone
 Concen: 6.41 ppbv
 RT: 5.44 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion: 43 Resp: 1777724
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.3 27.5





#35

Carbon Tetrachloride

Concen: 7.78 ppbv

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

BFB

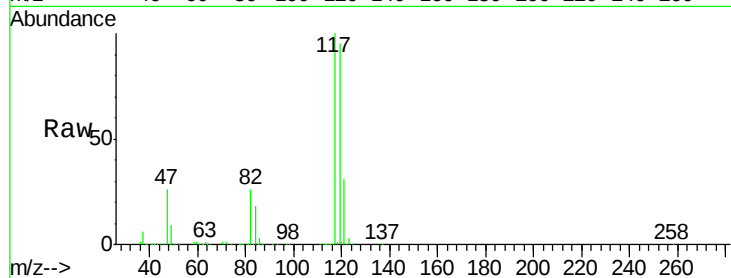
Tgt Ion:117 Resp: 2073221

Ion Ratio Lower Upper

117 100

119 95.0 76.4 114.6

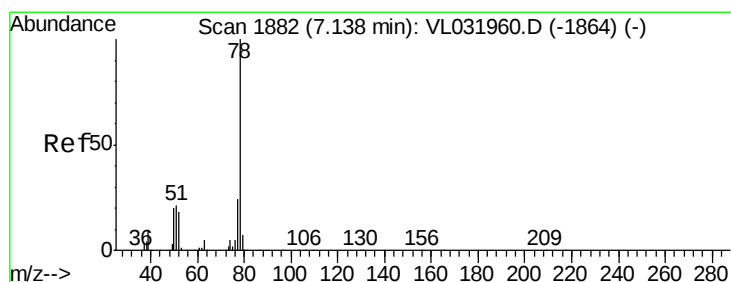
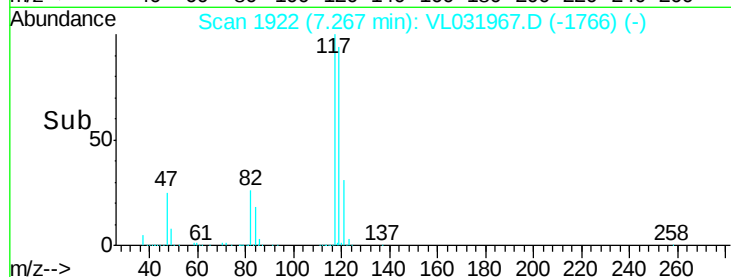
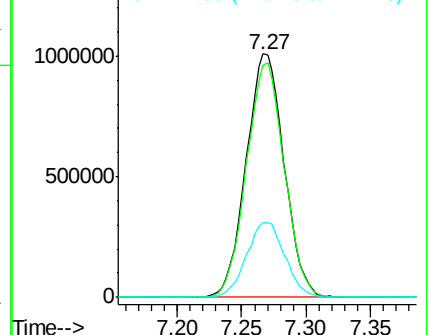
121 30.7 24.4 36.6



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: 8.13 ppbv

RT: 7.14 min Scan# 1882

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

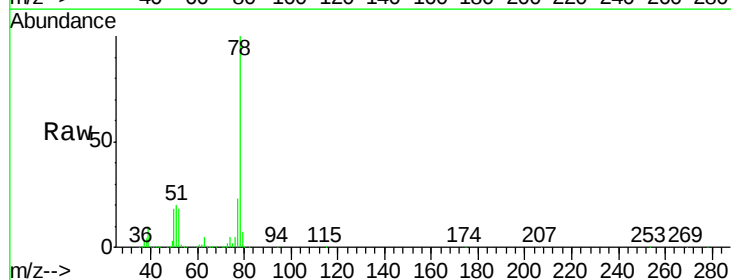
Tgt Ion: 78 Resp: 2577874

Ion Ratio Lower Upper

78 100

77 23.2 19.2 28.8

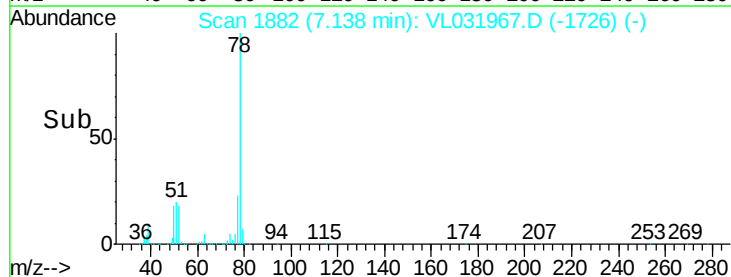
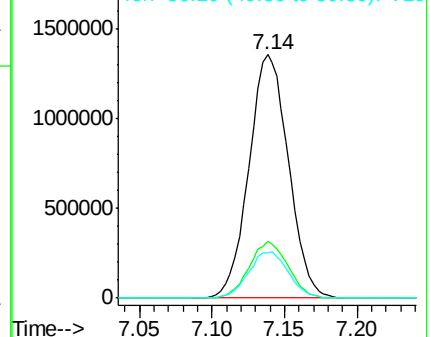
50 18.5 16.2 24.4

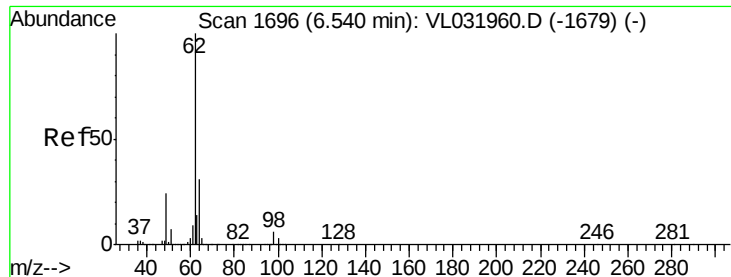


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 7.41 ppbv

RT: 6.54 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

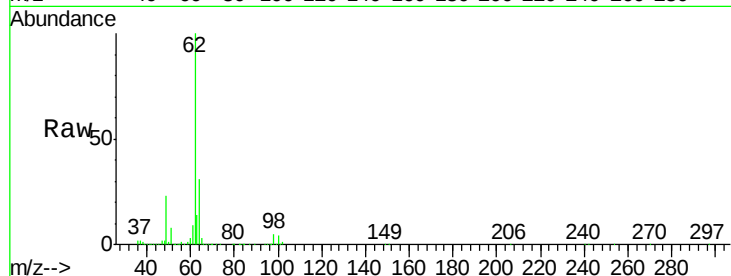
BFB

Tgt Ion: 62 Resp: 1688577

Ion Ratio Lower Upper

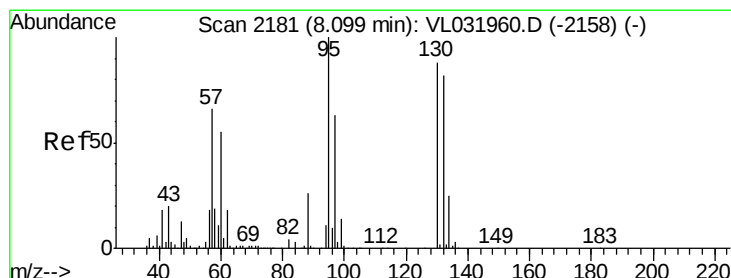
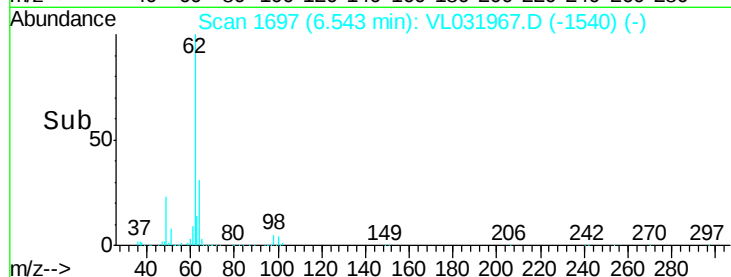
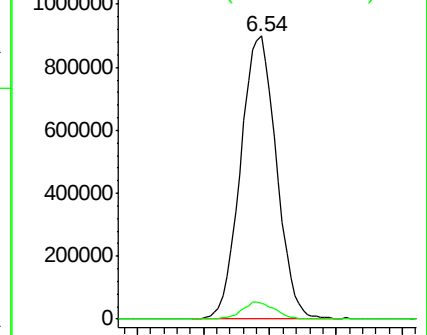
62 100

98 5.7 4.6 6.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 7.54 ppbv

RT: 8.10 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Tgt Ion: 130 Resp: 907059

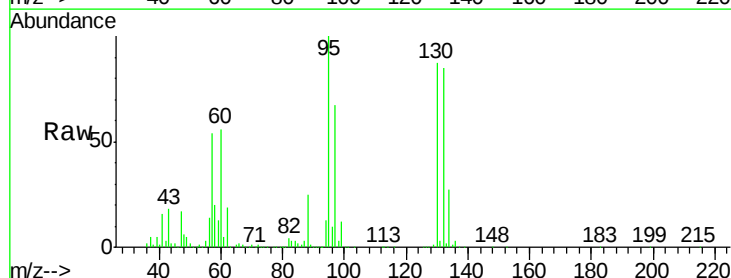
Ion Ratio Lower Upper

130 100

95 115.8 90.7 136.1

132 98.6 74.3 111.5

97 77.6 57.3 85.9

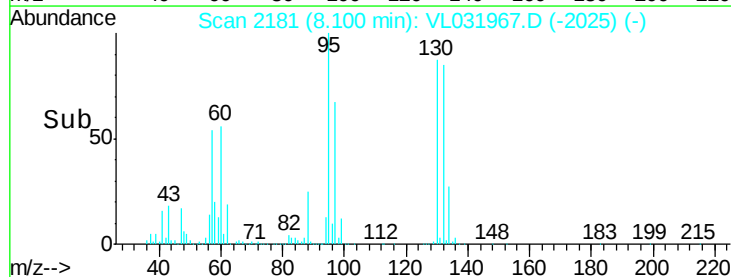
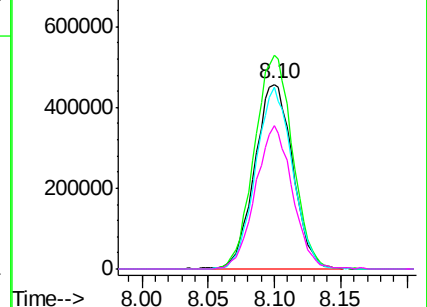


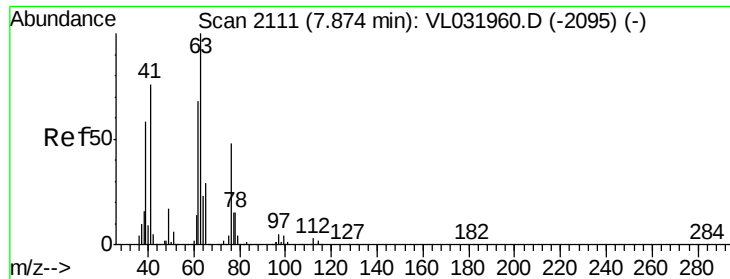
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

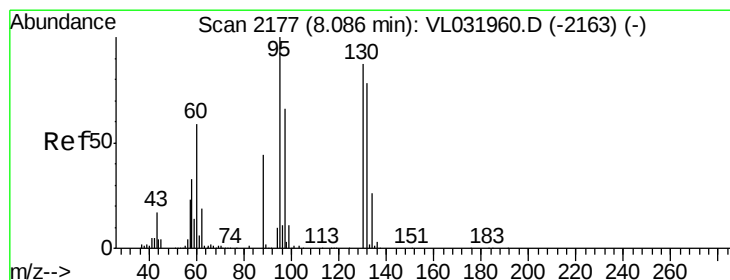
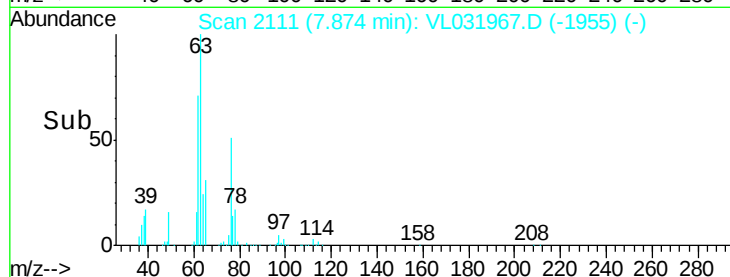
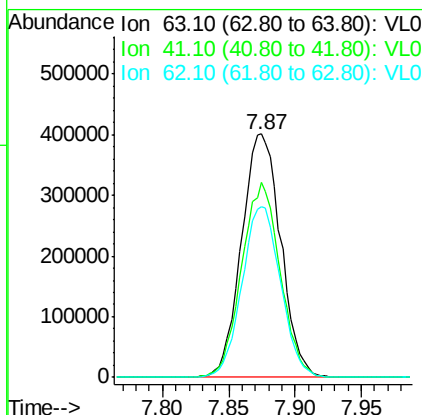
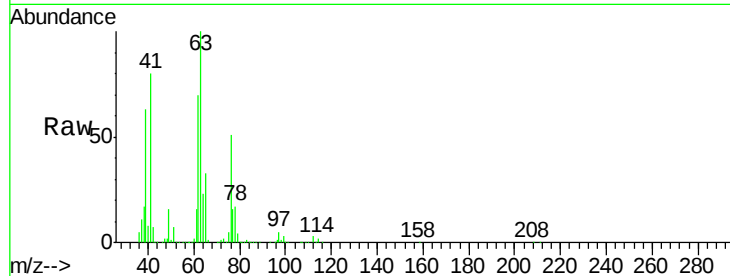




#39
 1,2-Dichloropropane
 Concen: 7.45 ppbv
 RT: 7.87 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

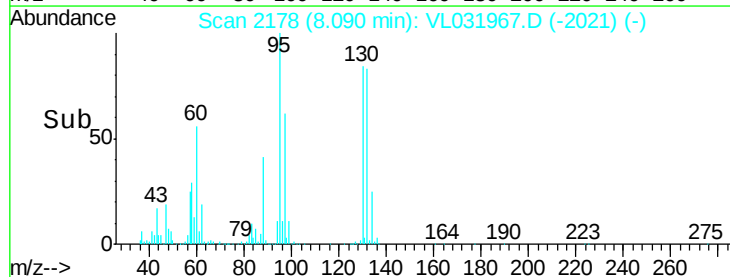
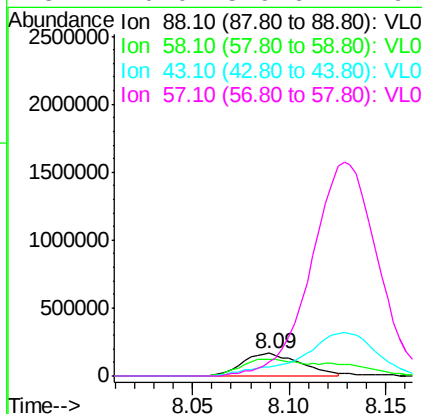
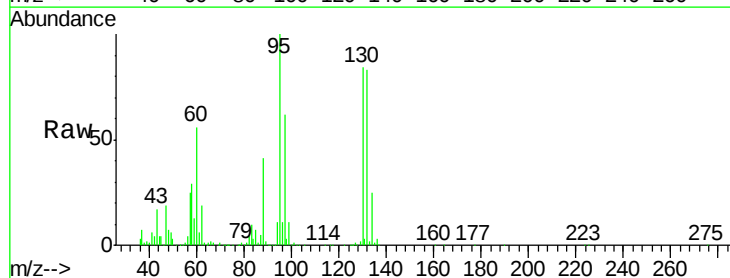
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

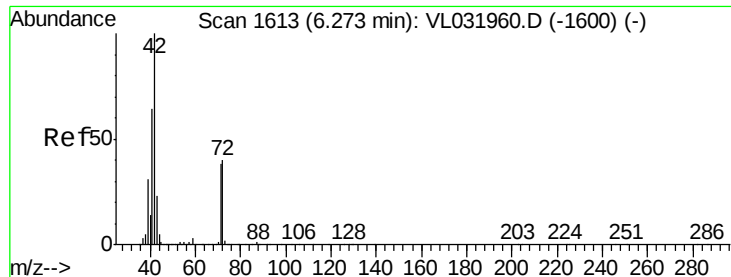
Tgt Ion: 63 Resp: 821931
 Ion Ratio Lower Upper
 63 100
 41 80.1 60.7 91.1
 62 70.2 54.7 82.1



#40
 1,4-Dioxane
 Concen: 7.01 ppbv
 RT: 8.09 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion: 88 Resp: 348646
 Ion Ratio Lower Upper
 88 100
 58 129.8 94.9 142.3
 43 0.0 188.2 282.2#
 57 0.0 819.6 1229.4#





#41

Tetrahydrofuran

Concen: 7.88 ppbv

RT: 6.27 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

BFB

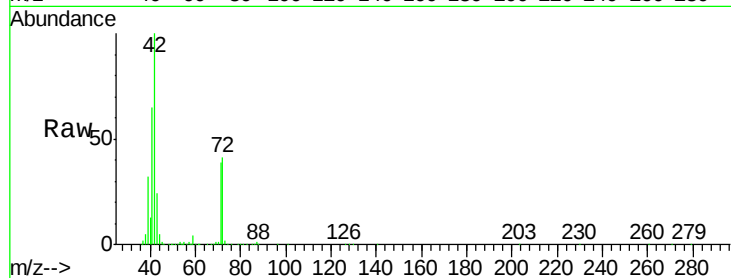
Tgt Ion: 42 Resp: 953028

Ion Ratio Lower Upper

42 100

72 40.6 32.3 48.5

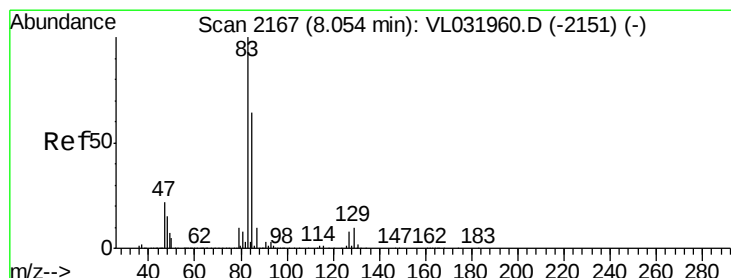
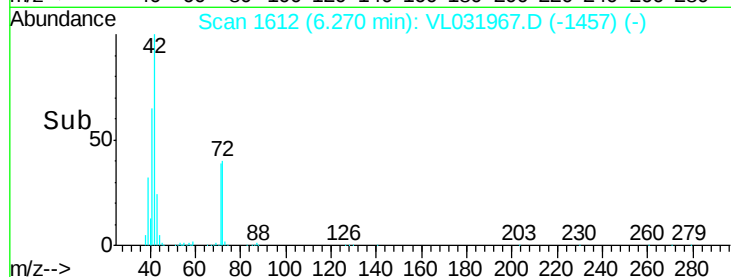
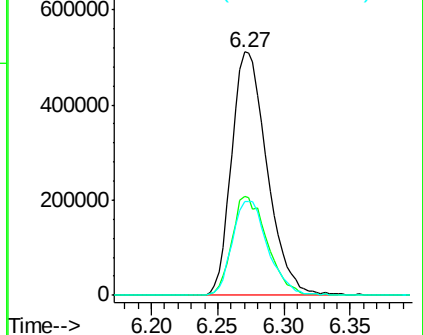
71 39.1 31.4 47.2



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 7.40 ppbv

RT: 8.05 min Scan# 2167

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

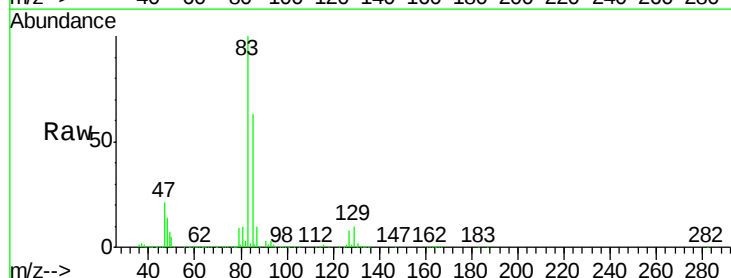
Tgt Ion: 83 Resp: 1879754

Ion Ratio Lower Upper

83 100

85 63.5 51.0 76.6

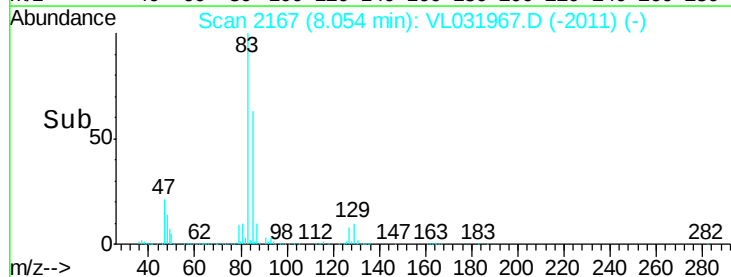
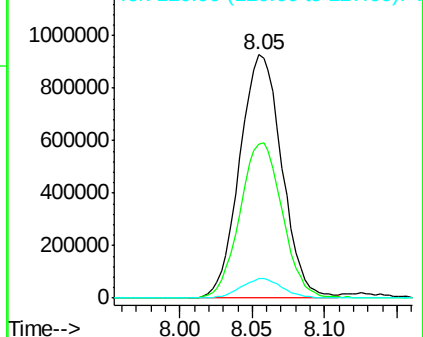
127 8.2 6.7 10.1

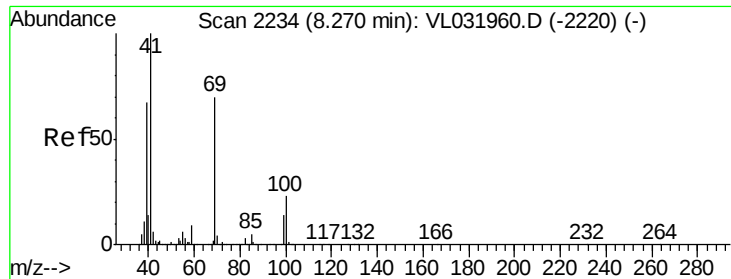


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

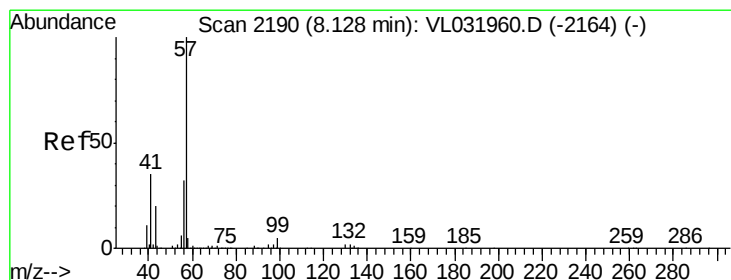
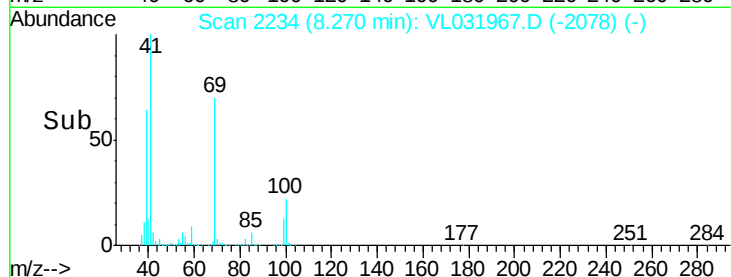
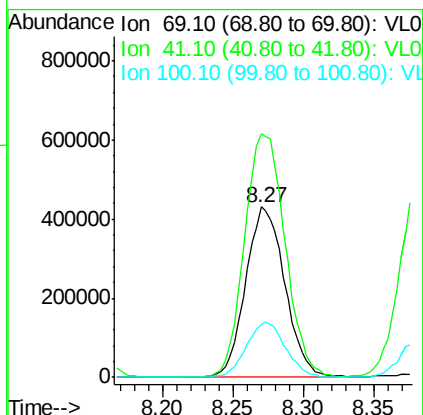
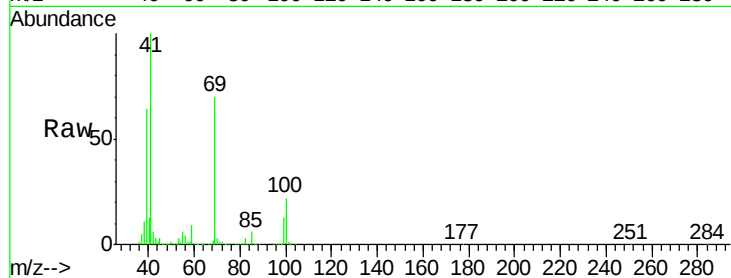




#43
Methyl Methacrylate
Concen: 7.84 ppbv
RT: 8.27 min Scan# 2234
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

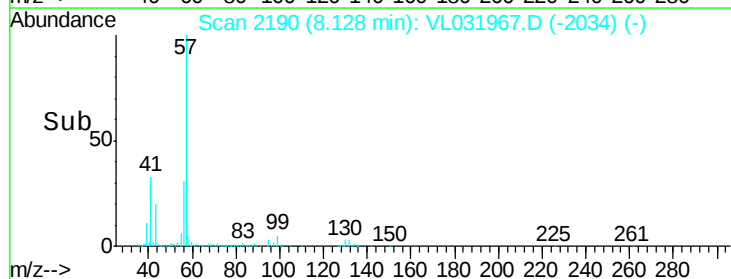
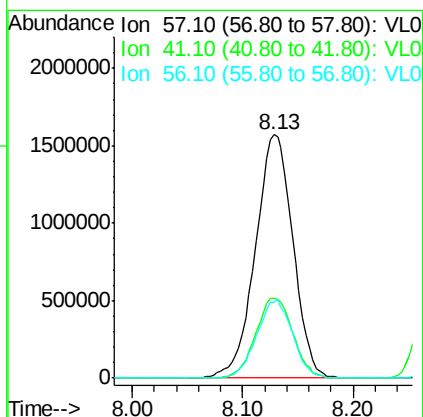
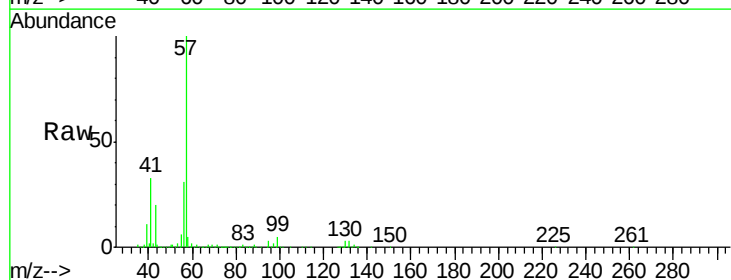
Instrument :
MSVOA_L
ClientSampleId :
BFB

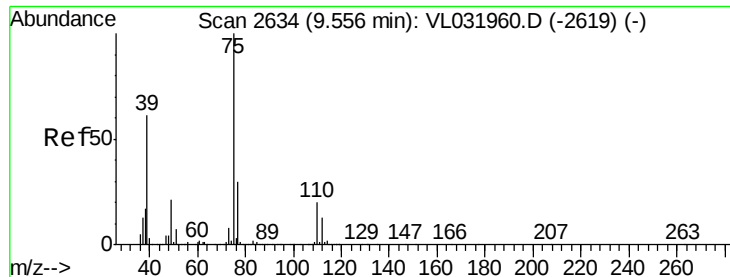
Tgt Ion: 69 Resp: 836934
Ion Ratio Lower Upper
69 100
41 148.3 119.4 179.2
100 32.3 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 7.25 ppbv
RT: 8.13 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 57 Resp: 3707758
Ion Ratio Lower Upper
57 100
41 32.9 26.6 39.8
56 30.7 24.4 36.6





#45

t-1,3-Dichloropropene

Concen: 8.56 ppbv

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

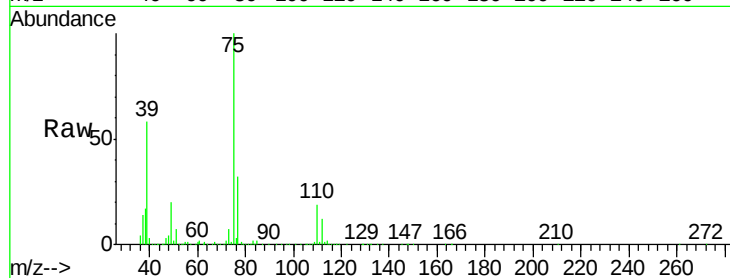
BFB

Tgt Ion: 75 Resp: 1212164

Ion Ratio Lower Upper

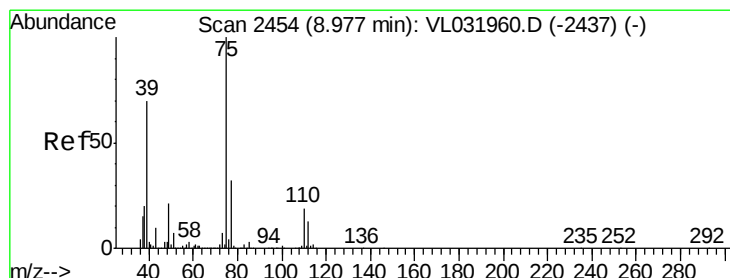
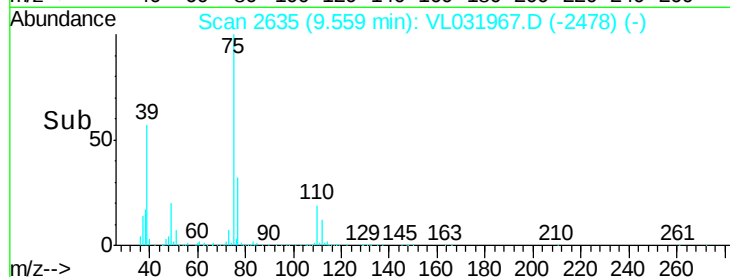
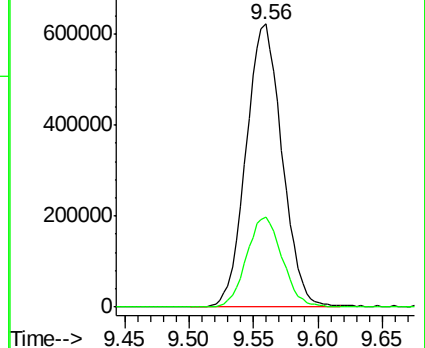
75 100

77 31.7 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 8.27 ppbv

RT: 8.98 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

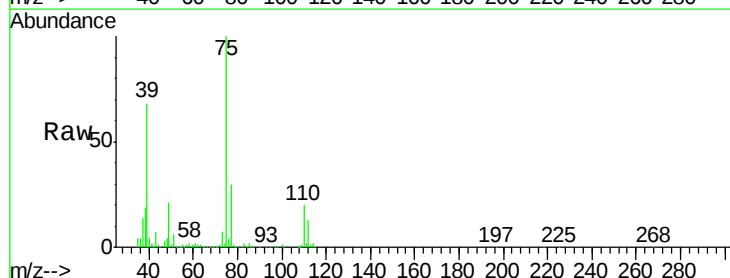
Tgt Ion: 75 Resp: 1444848

Ion Ratio Lower Upper

75 100

39 67.7 55.7 83.5

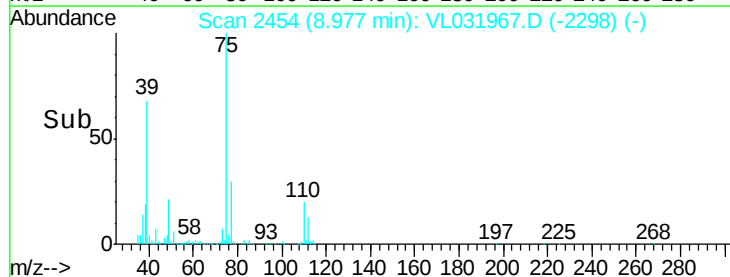
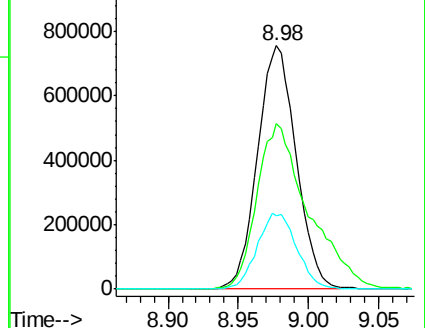
77 30.4 25.9 38.9

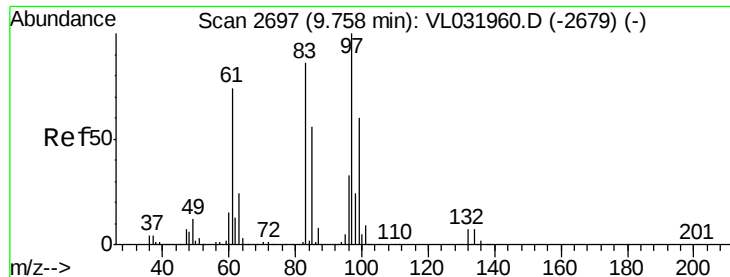


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

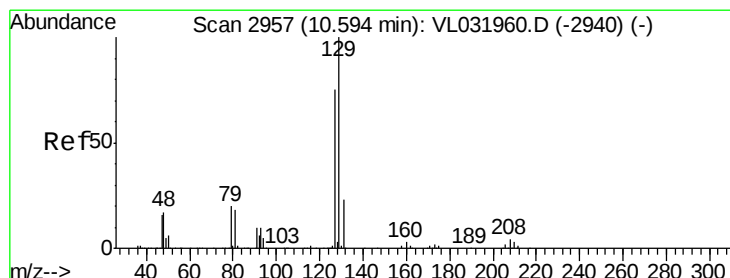
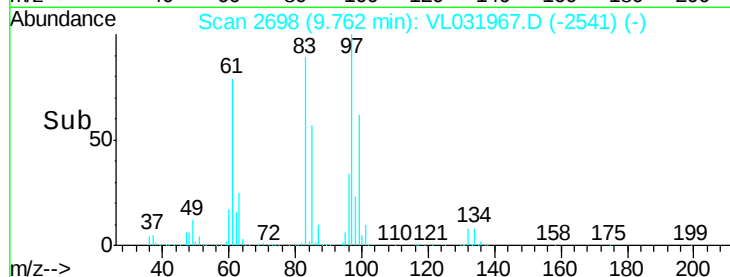
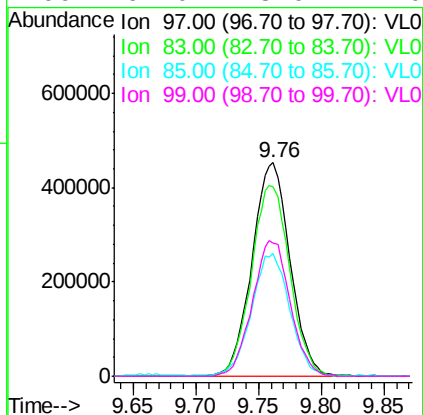
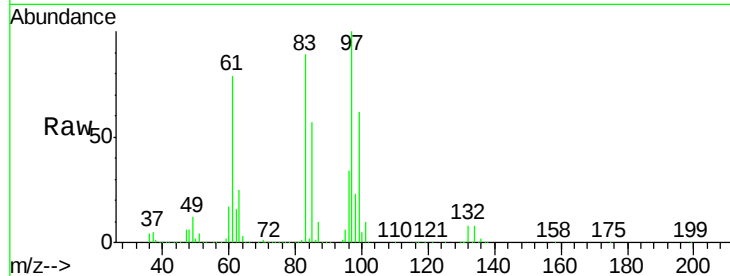




#47
 1,1,2-Trichloroethane
 Concen: 7.32 ppbv
 RT: 9.76 min Scan# 2698
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

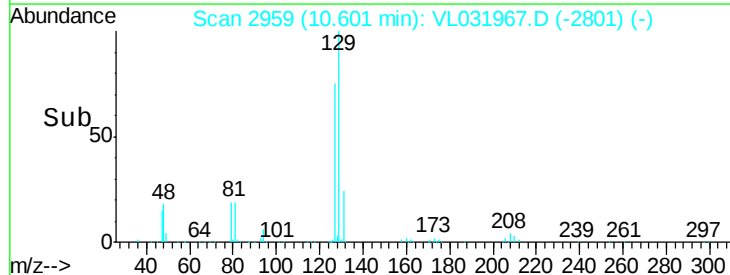
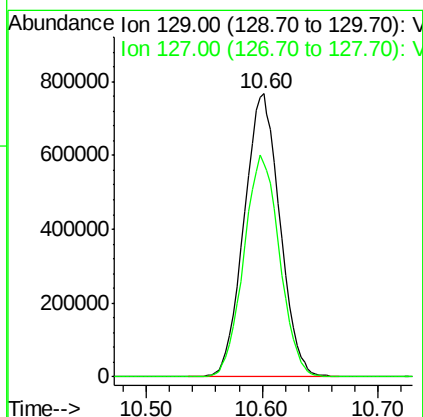
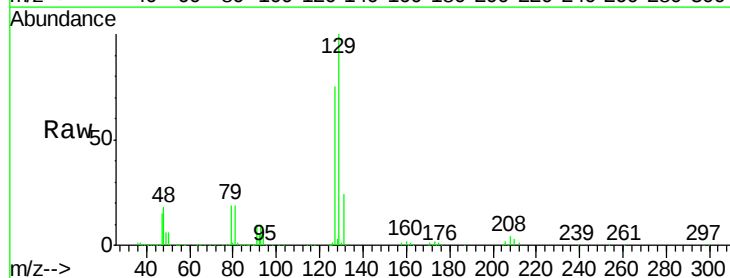
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

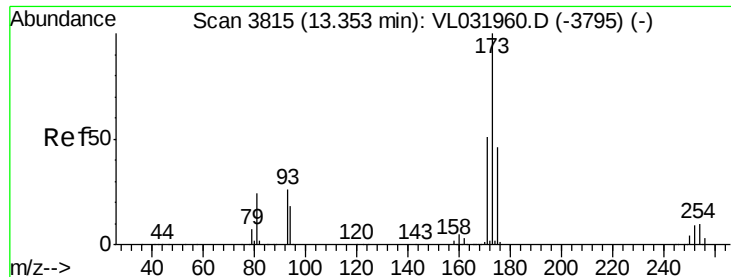
Tgt Ion:	97	Resp:	955745
Ion	Ratio	Lower	Upper
97	100		
83	88.8	69.0	103.4
85	57.2	45.0	67.6
99	62.0	48.0	72.0



#48
 Dibromochloromethane
 Concen: 7.88 ppbv
 RT: 10.60 min Scan# 2959
 Delta R.T. 0.01 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion:	129	Resp:	1648930
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2





#49

Bromoform

Concen: 8.25 ppbv

RT: 13.36 min Scan# 3816

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

BFB

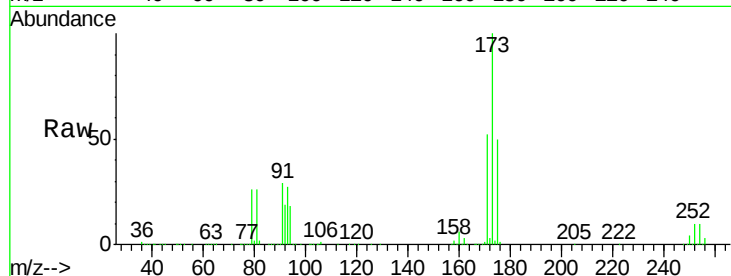
Tgt Ion:173 Resp: 1340030

Ion Ratio Lower Upper

173 100

175 47.9 39.2 58.8

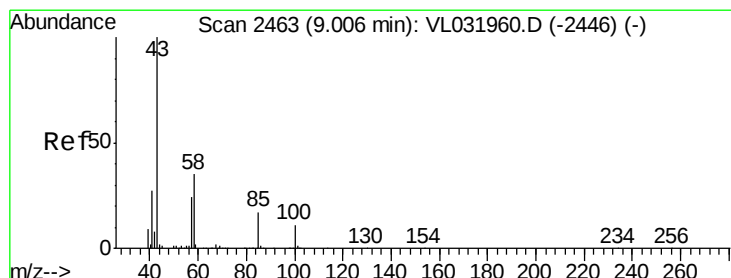
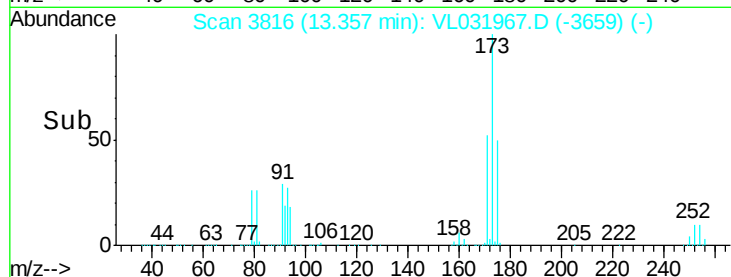
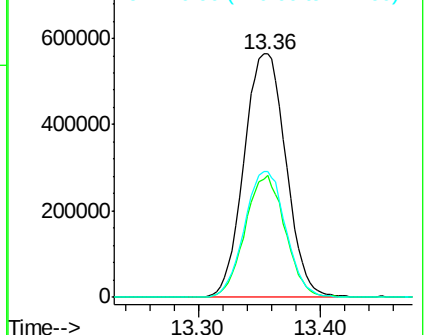
171 51.0 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 7.53 ppbv

RT: 9.01 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VL031967.D

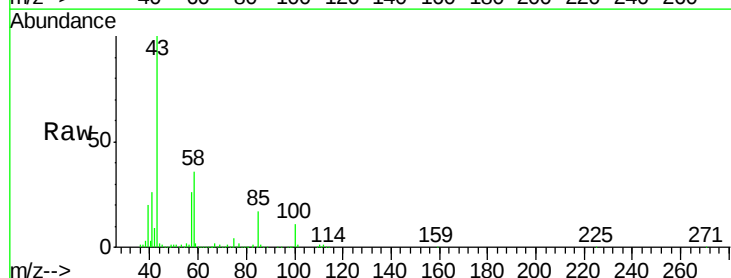
Acq: 3 May 2018 16:17

Tgt Ion: 43 Resp: 1973800

Ion Ratio Lower Upper

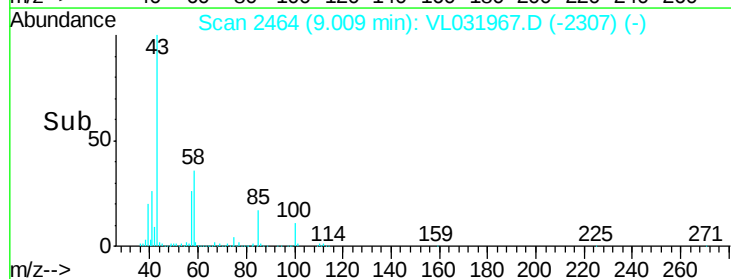
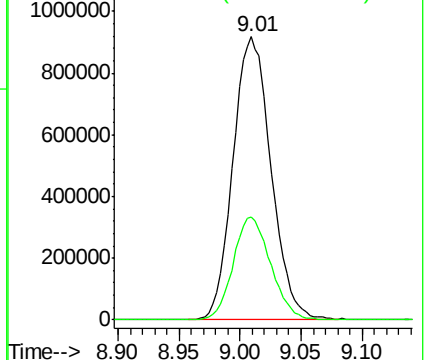
43 100

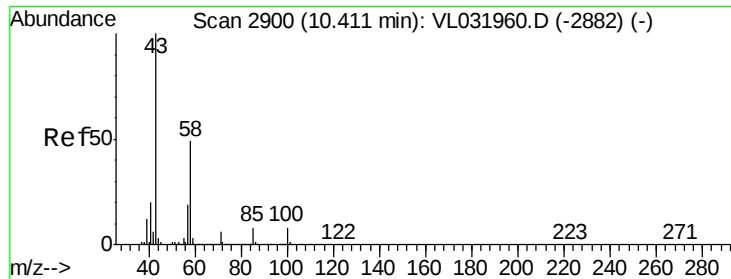
58 36.1 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

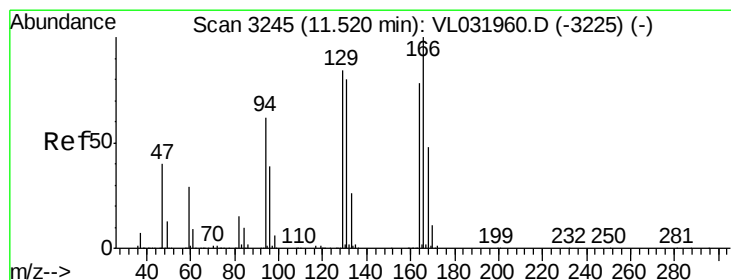
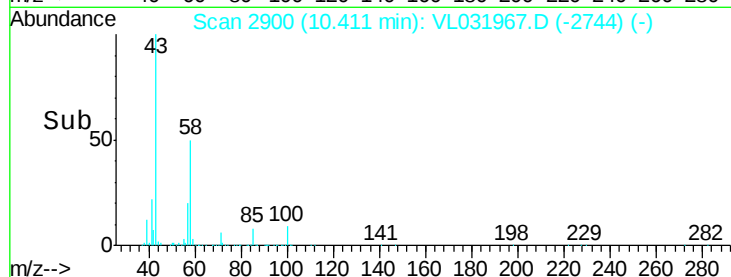
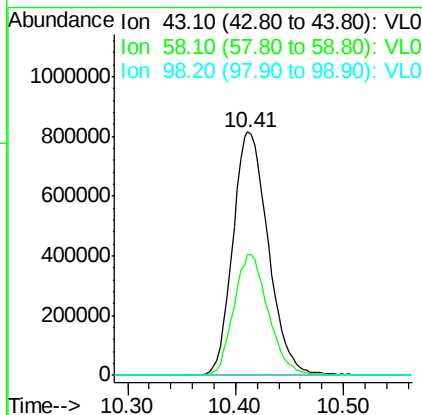
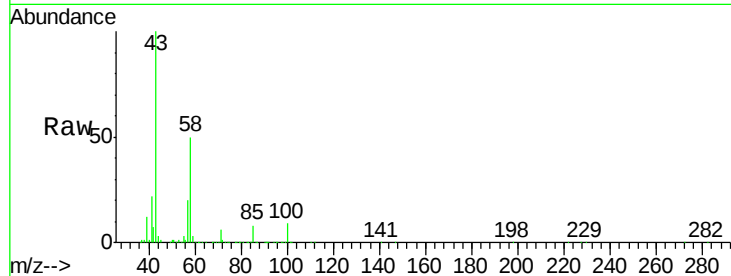




#51
2-Hexanone
Concen: 7.80 ppbv
RT: 10.41 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

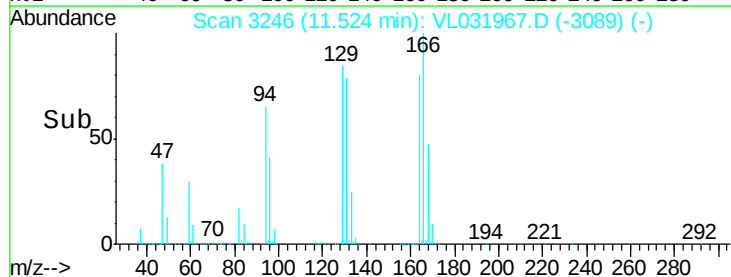
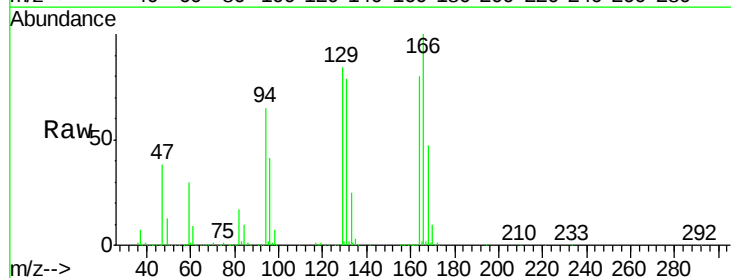
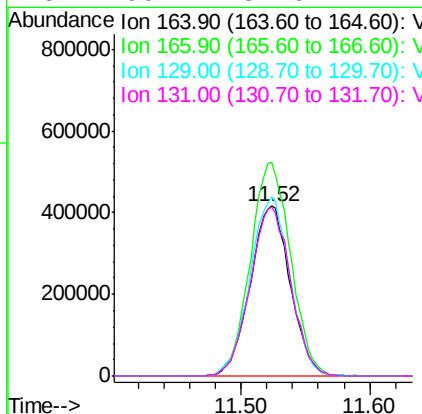
Instrument :
MSVOA_L
ClientSampled :
BFB

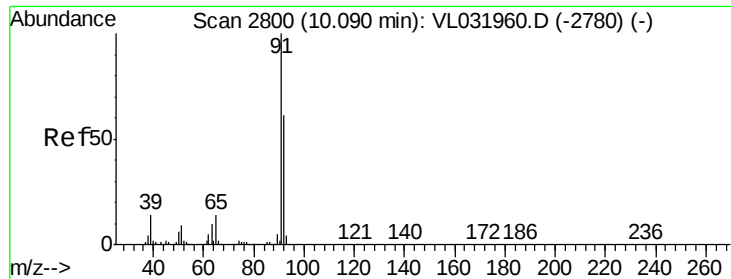
Tgt Ion: 43 Resp: 1860261
Ion Ratio Lower Upper
43 100
58 48.5 38.6 58.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 7.67 ppbv
RT: 11.52 min Scan# 3246
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 164 Resp: 899911
Ion Ratio Lower Upper
164 100
166 125.7 101.9 152.9
129 105.4 85.8 128.6
131 99.4 81.6 122.4





#53

Toluene

Concen: 8.09 ppbv

RT: 10.09 min Scan# 2801

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

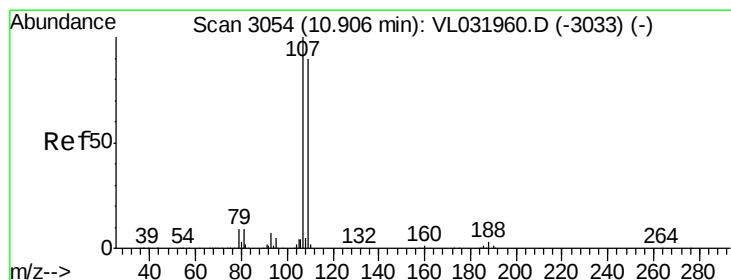
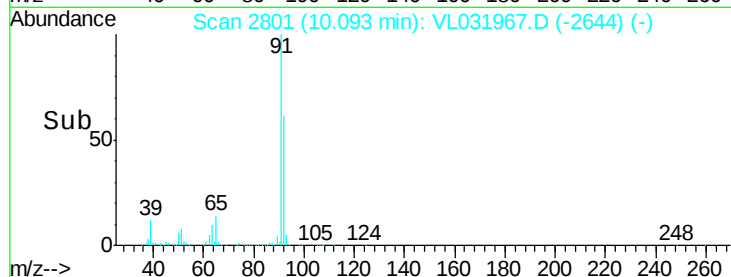
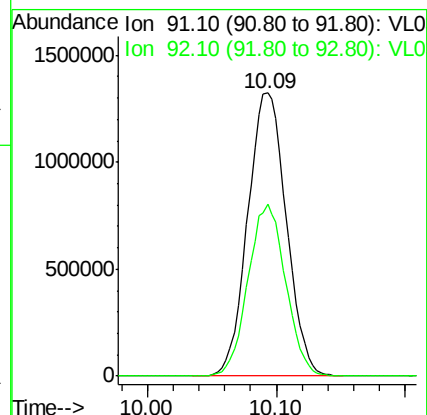
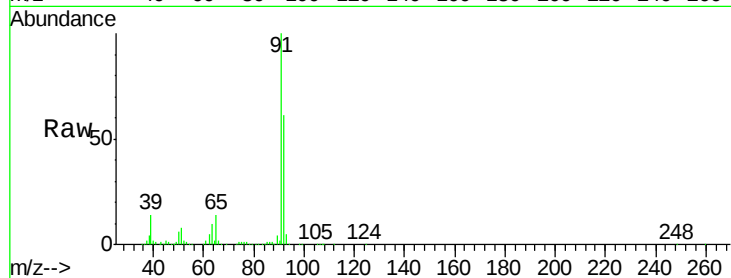
BFB

Tgt Ion: 91 Resp: 2762836

Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.2



#54

1,2-Dibromoethane

Concen: 7.72 ppbv

RT: 10.91 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VL031967.D

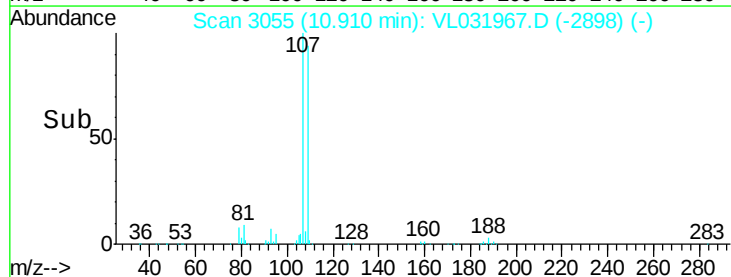
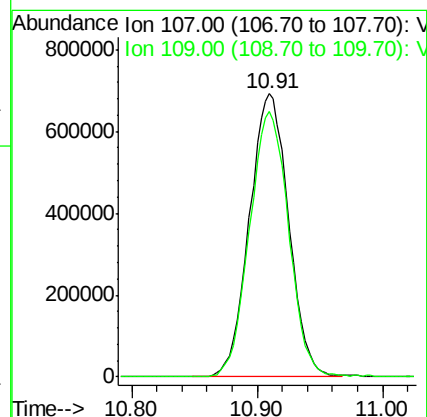
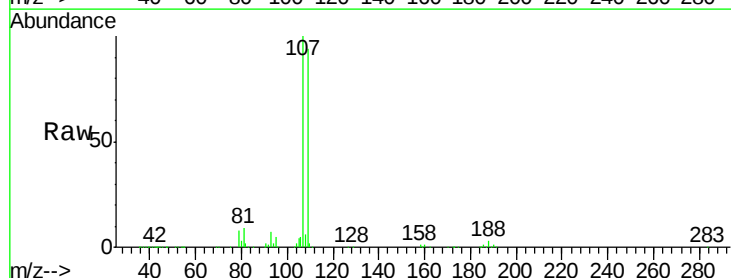
Acq: 3 May 2018 16:17

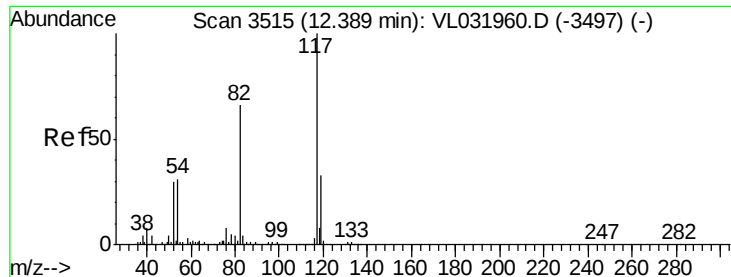
Tgt Ion: 107 Resp: 1501164

Ion Ratio Lower Upper

107 100

109 93.7 72.1 108.1

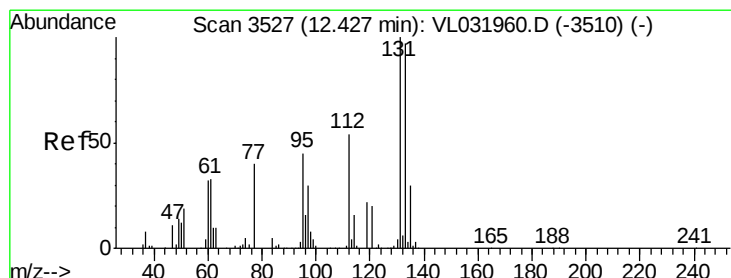
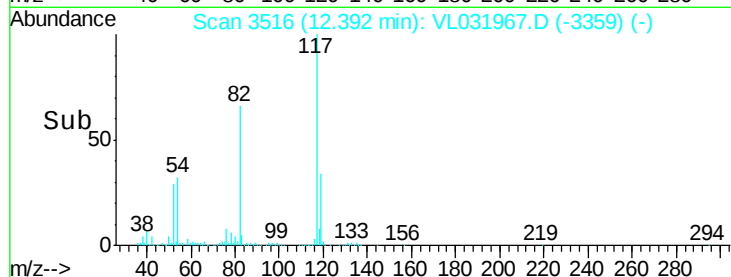
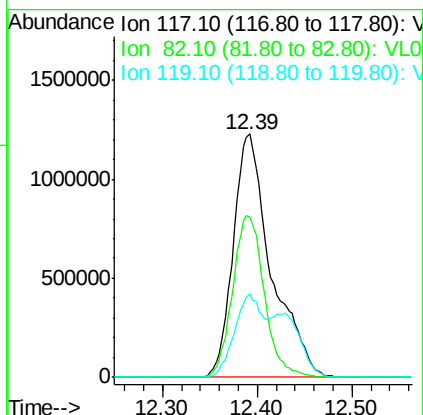
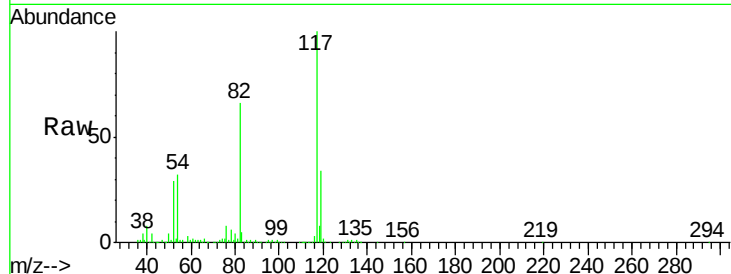




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

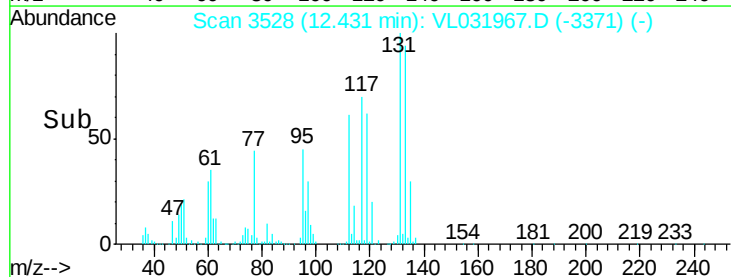
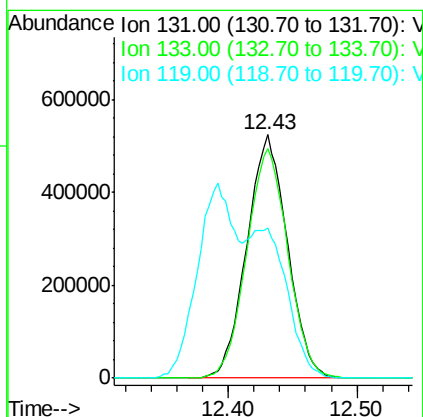
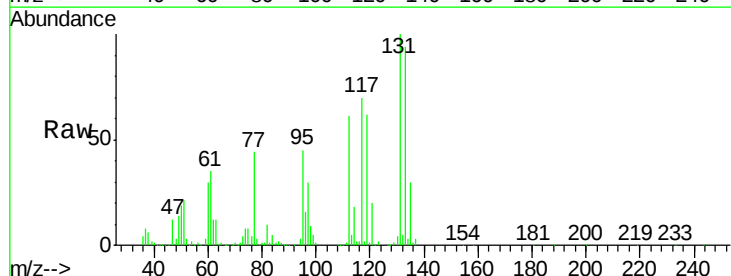
Instrument :
MSVOA_L
ClientSampleId :
BFB

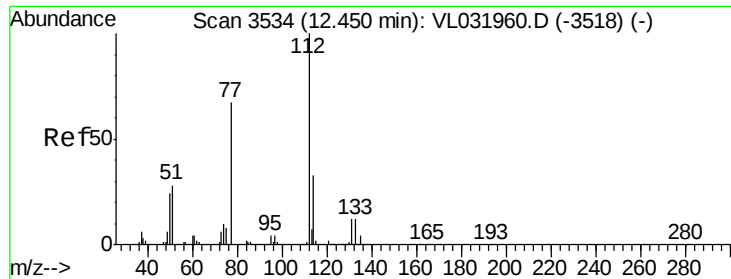
Tgt Ion:117 Resp: 3429548
Ion Ratio Lower Upper
117 100
82 55.5 51.6 77.4
119 46.3 44.2 66.4



#56
1,1,1,2-Tetrachloroethane
Concen: 7.34 ppbv
RT: 12.43 min Scan# 3528
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion:131 Resp: 1147071
Ion Ratio Lower Upper
131 100
133 96.0 76.2 114.4
119 138.2 44.7 67.1#





#57

Chlorobenzene

Concen: 7.26 ppbv

RT: 12.45 min Scan# 3535

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

BFB

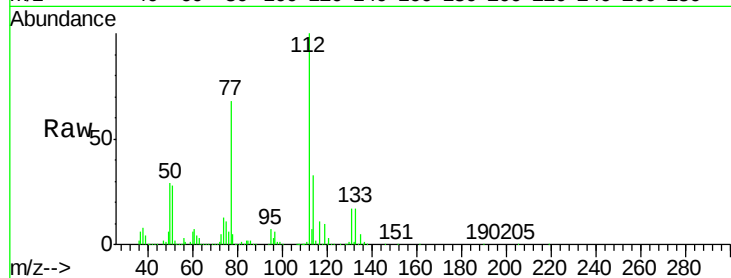
Tgt Ion:112 Resp: 2148667

Ion Ratio Lower Upper

112 100

77 67.4 54.6 82.0

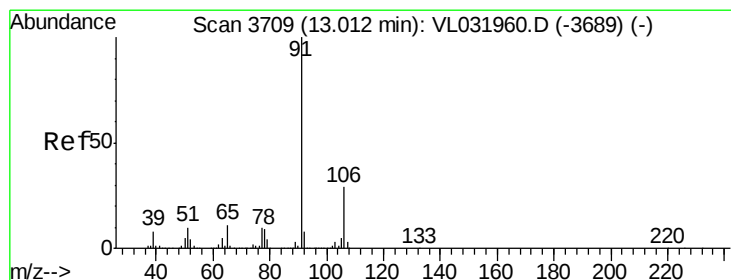
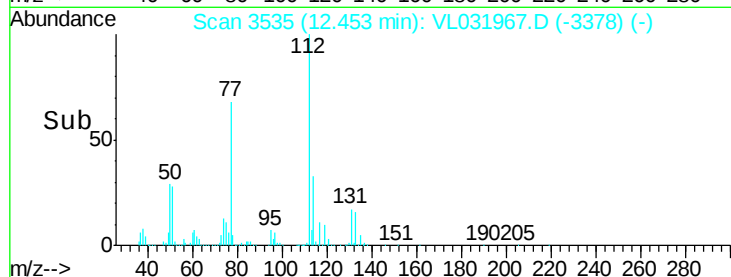
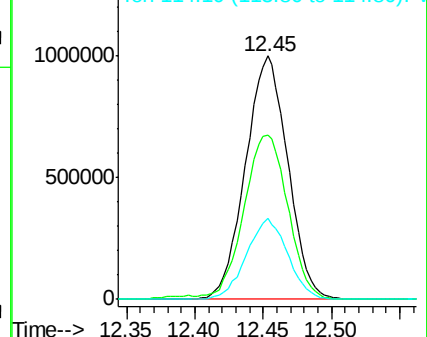
114 33.1 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.94 ppbv

RT: 13.01 min Scan# 3709

Delta R.T. 0.00 min

Lab File: VL031967.D

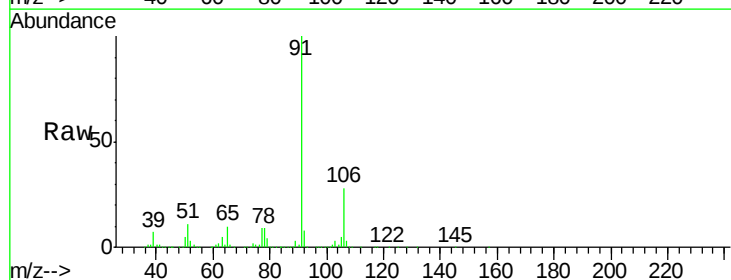
Acq: 3 May 2018 16:17

Tgt Ion: 91 Resp: 3901325

Ion Ratio Lower Upper

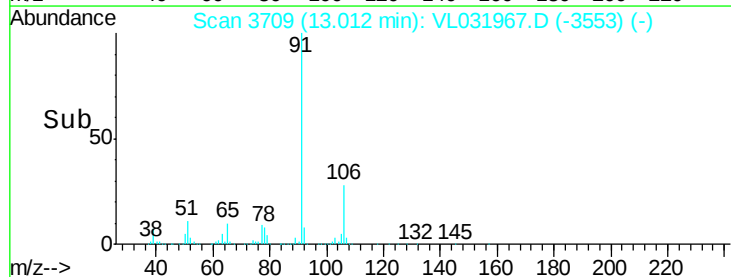
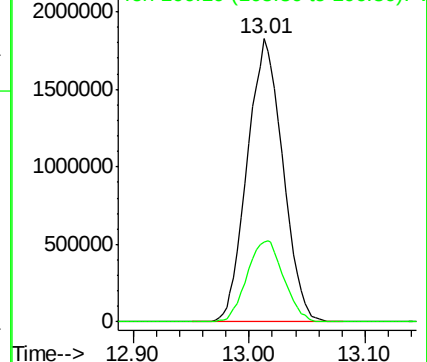
91 100

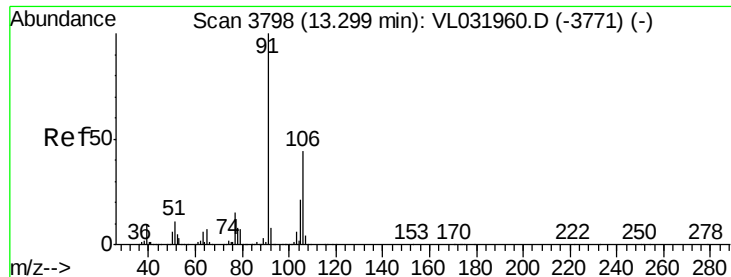
106 28.0 23.4 35.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

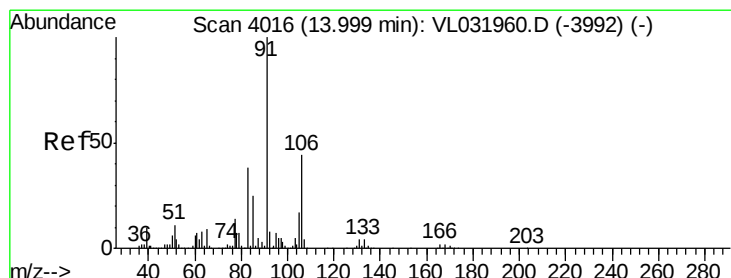
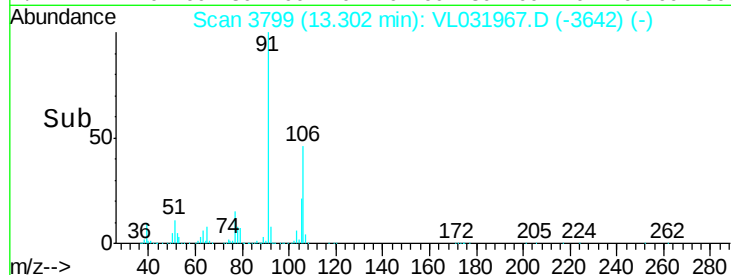
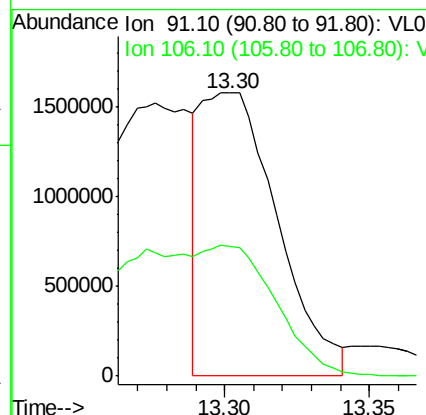
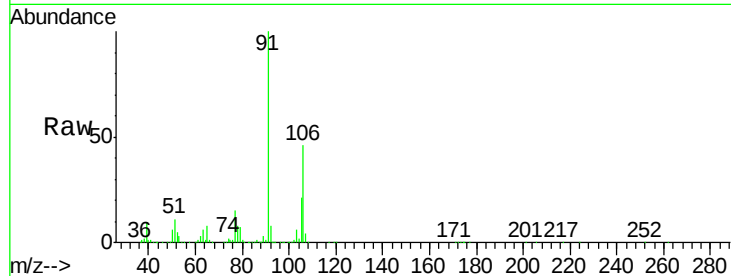




#59
m/p-Xylene
Concen: 6.89 ppbv
RT: 13.30 min Scan# 3799
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

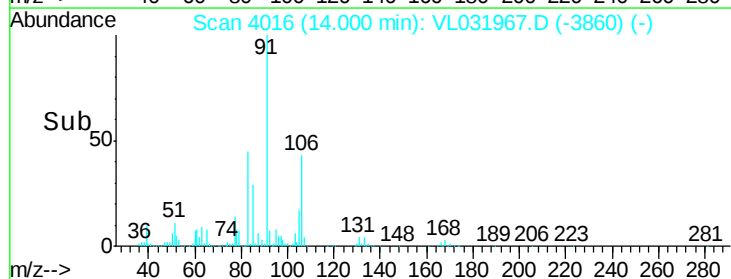
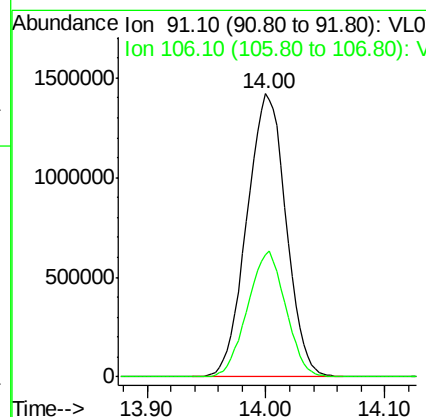
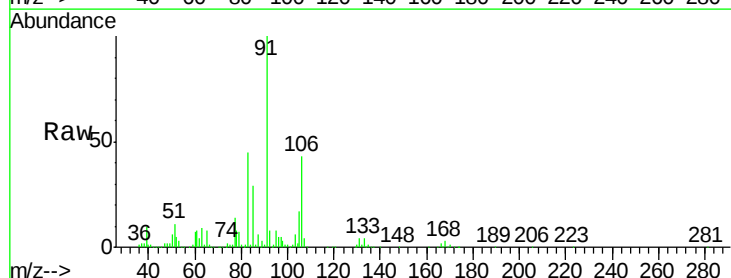
Instrument :
MSVOA_L
ClientSampleId :
BFB

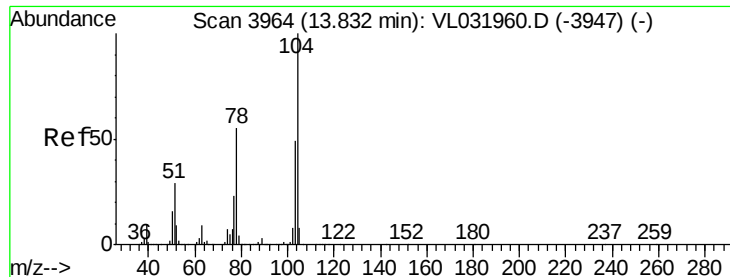
Tgt Ion: 91 Resp: 2870848
Ion Ratio Lower Upper
91 100
106 99.3 35.9 53.9#



#60
o-Xylene
Concen: 7.74 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 91 Resp: 3235377
Ion Ratio Lower Upper
91 100
106 43.4 21.5 64.5





#61

Styrene

Concen: 9.09 ppbv

RT: 13.84 min Scan# 3965

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

BFB

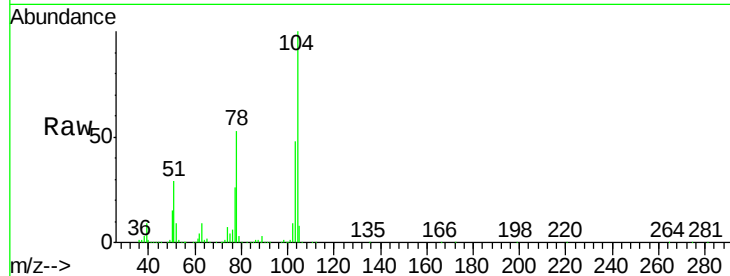
Tgt Ion:104 Resp: 770674

Ion Ratio Lower Upper

104 100

78 53.7 43.8 65.8

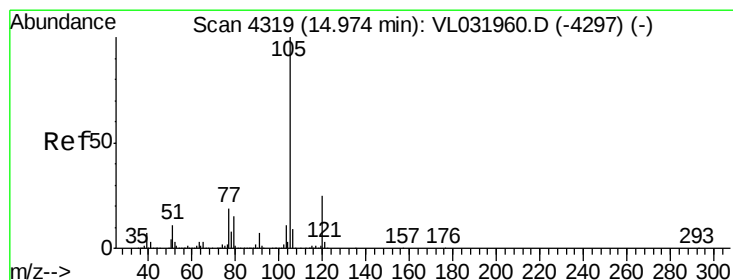
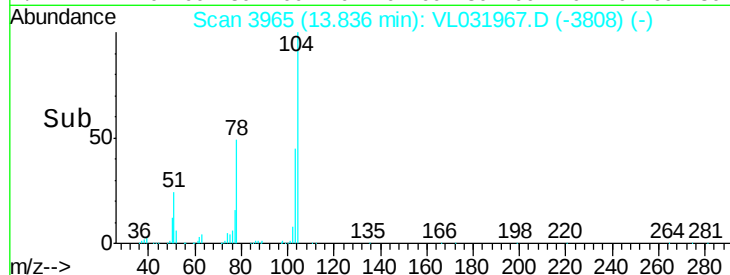
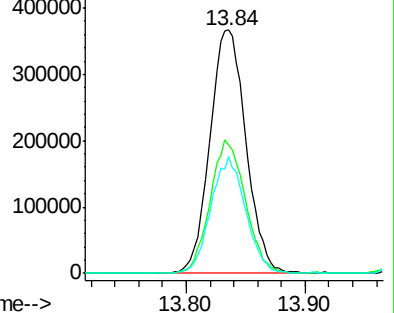
103 46.0 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.60 ppbv

RT: 14.98 min Scan# 4320

Delta R.T. 0.00 min

Lab File: VL031967.D

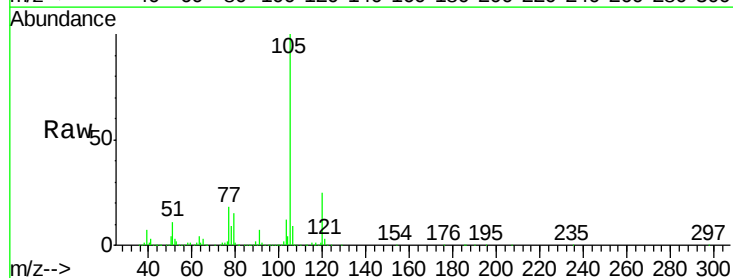
Acq: 3 May 2018 16:17

Tgt Ion:105 Resp: 4059998

Ion Ratio Lower Upper

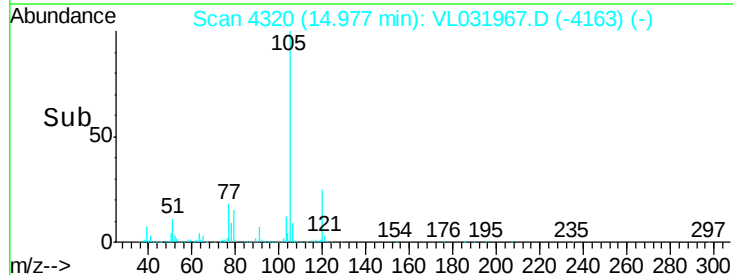
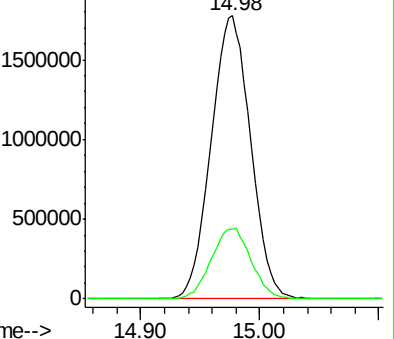
105 100

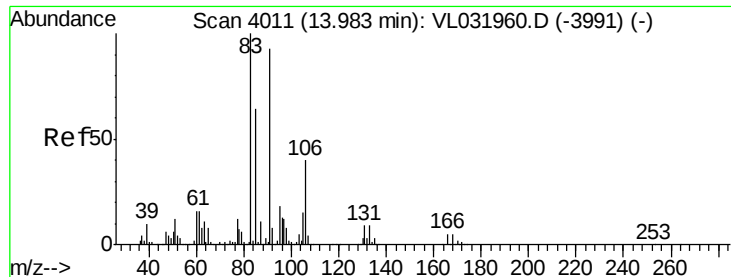
120 25.3 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

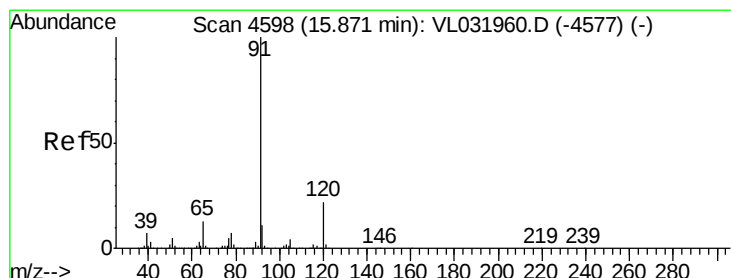
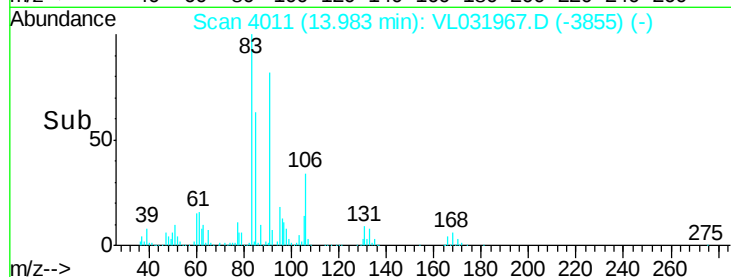
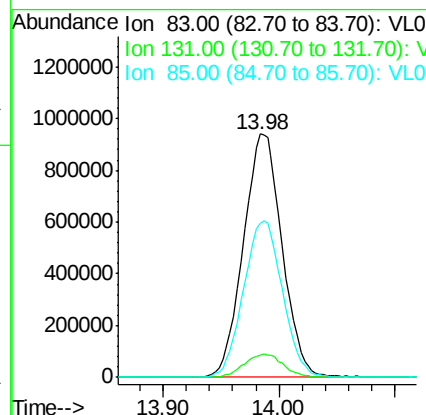
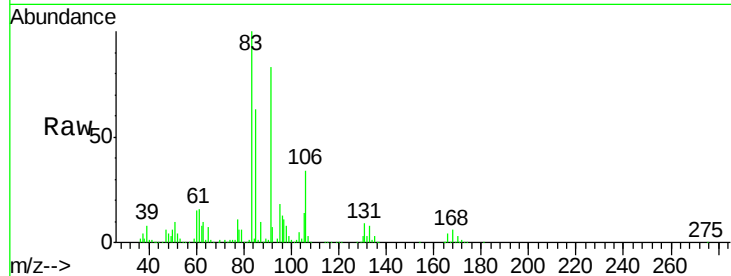




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.33 ppbv
 RT: 13.98 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

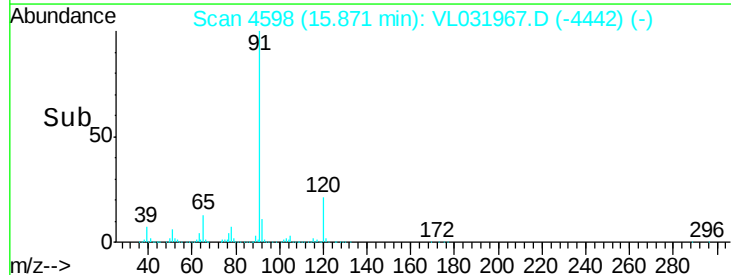
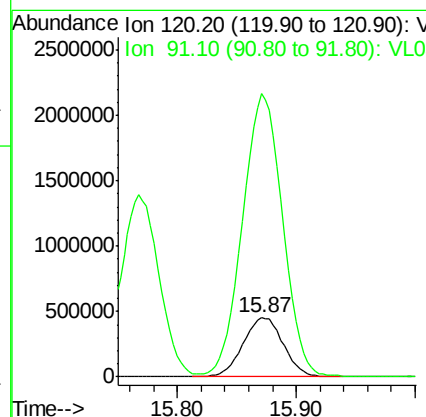
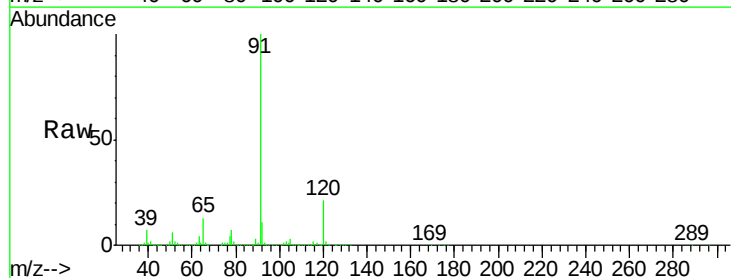
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

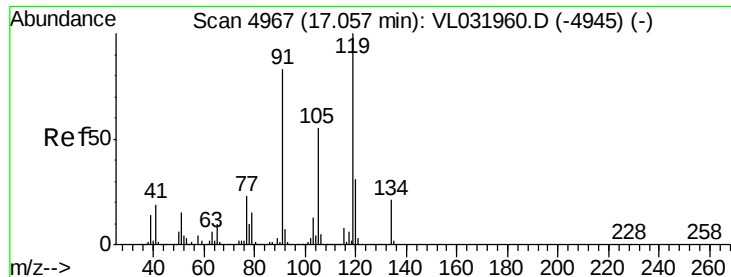
Tgt Ion: 83 Resp: 2177019
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.7
 85 65.2 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.89 ppbv
 RT: 15.87 min Scan# 4598
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion: 120 Resp: 1057102
 Ion Ratio Lower Upper
 120 100
 91 478.2 388.6 583.0

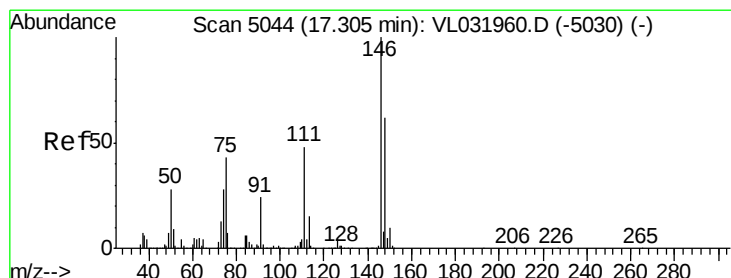
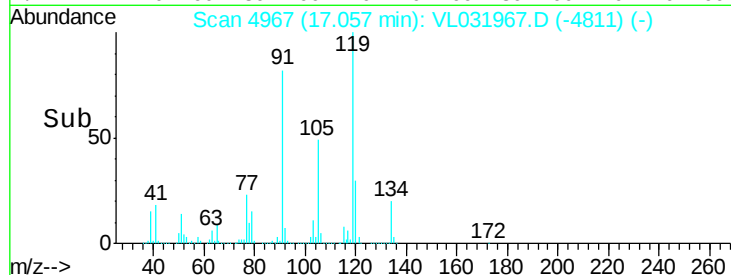
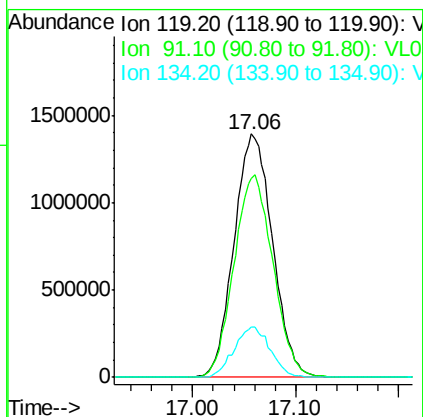
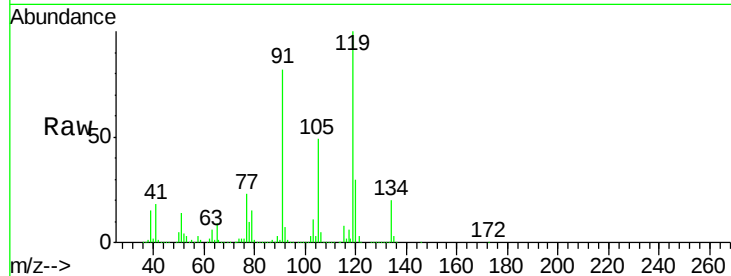




#65
tert-Butylbenzene
Concen: 7.59 ppbv
RT: 17.06 min Scan# 4967
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

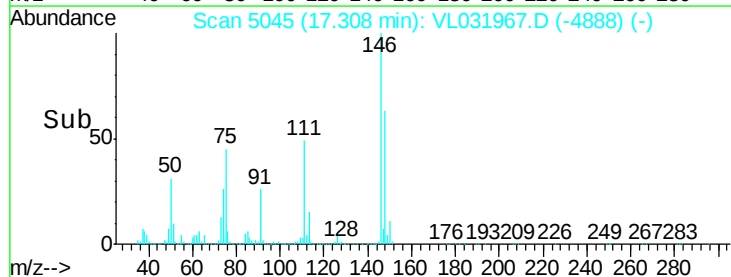
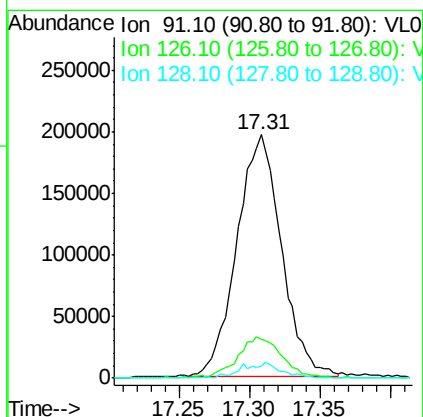
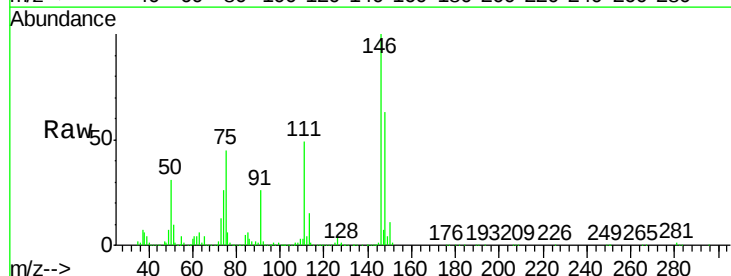
Instrument :
MSVOA_L
ClientSampleId :
BFB

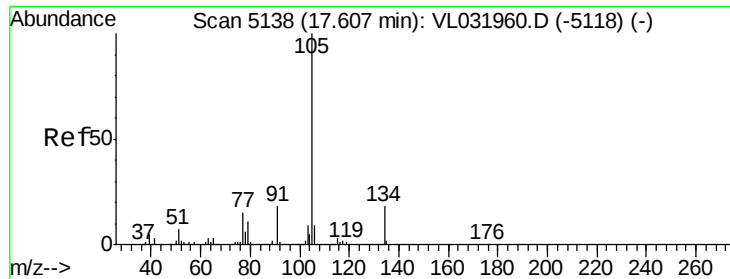
Tgt Ion: 119 Resp: 3617203
Ion Ratio Lower Upper
119 100
91 84.2 68.1 102.1
134 19.5 15.4 23.0



#66
Benzyl Chloride
Concen: 9.97 ppbv
RT: 17.31 min Scan# 5045
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 91 Resp: 431791
Ion Ratio Lower Upper
91 100
126 17.3 13.4 20.0
128 5.7 4.6 6.8

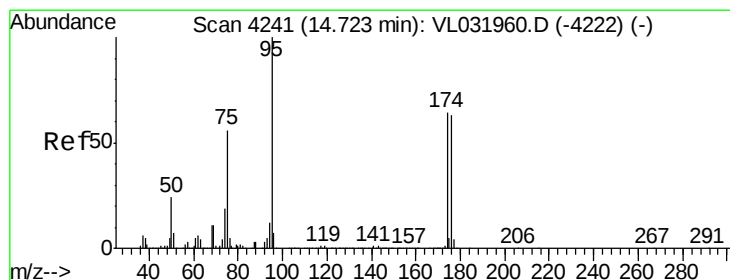
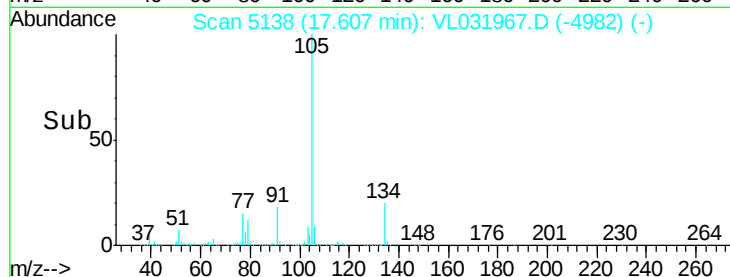
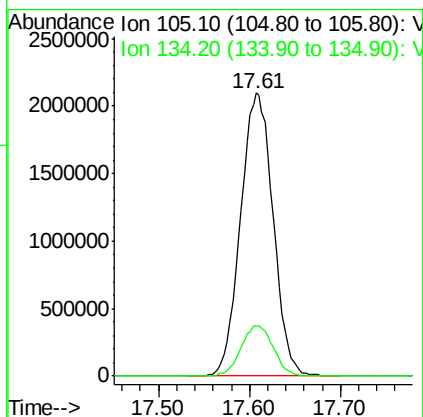
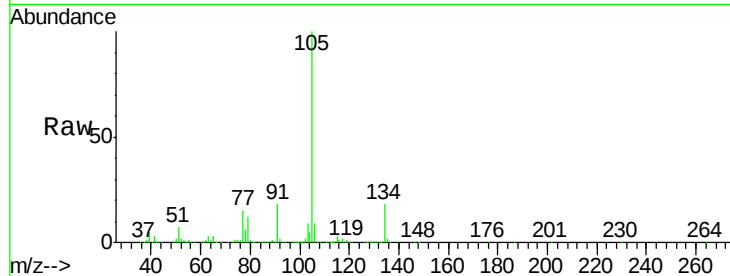




#67
 sec-Butylbenzene
 Concen: 7.87 ppbv
 RT: 17.61 min Scan# 5138
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

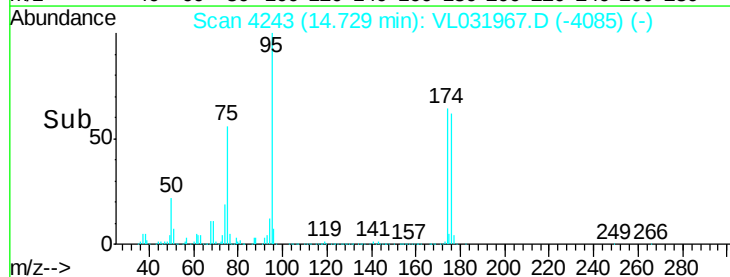
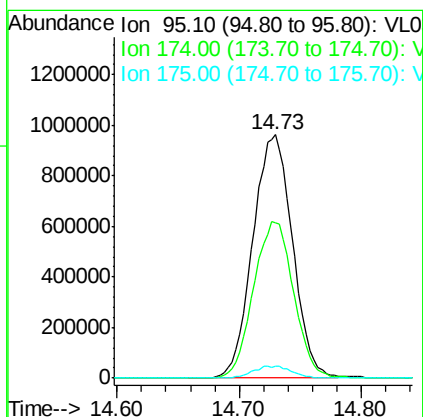
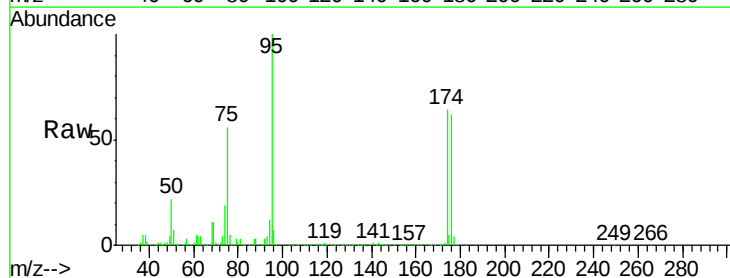
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

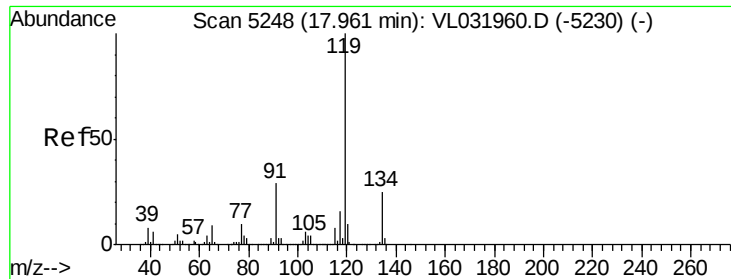
Tgt Ion: 105 Resp: 5204957
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.14 ppbv
 RT: 14.73 min Scan# 4243
 Delta R.T. 0.01 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion: 95 Resp: 2163497
 Ion Ratio Lower Upper
 95 100
 174 65.3 53.0 79.6
 175 4.8 3.9 5.9

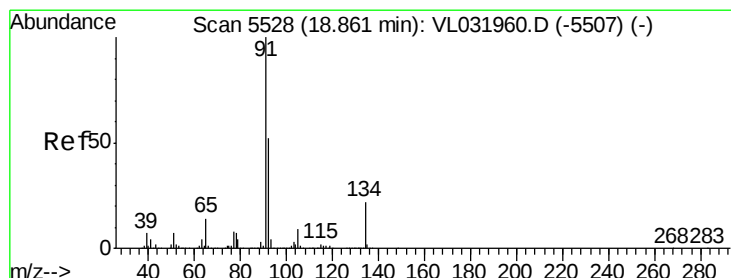
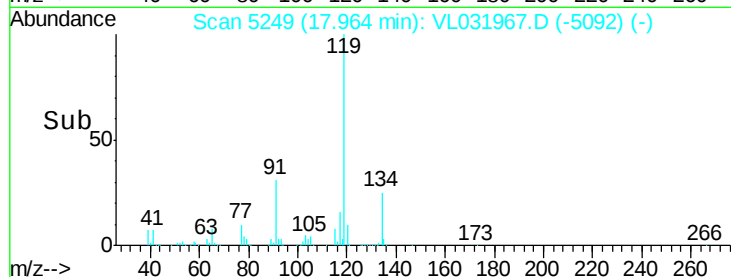
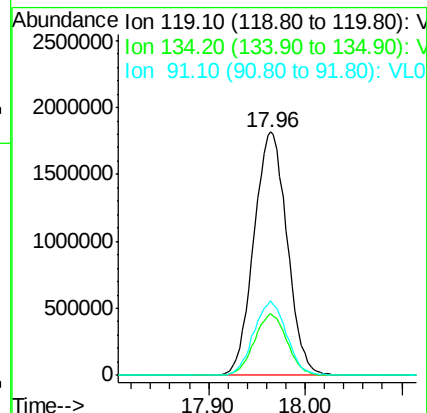
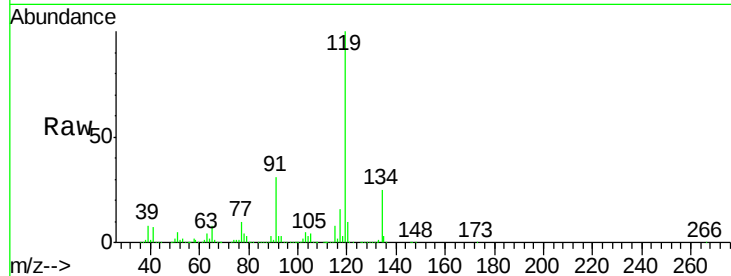




#69
p-Isopropyltoluene
Concen: 8.13 ppbv
RT: 17.96 min Scan# 5249
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

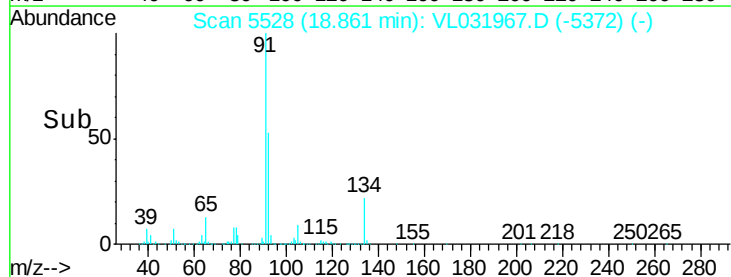
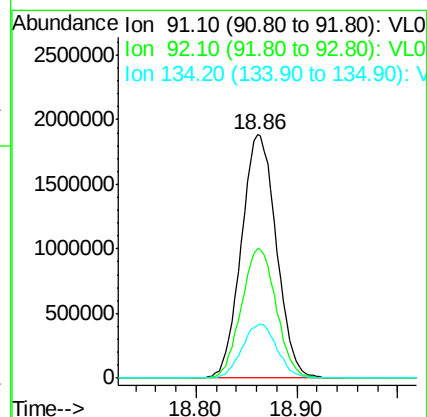
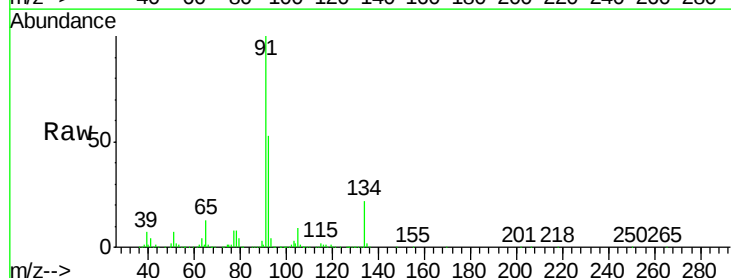
Instrument :
MSVOA_L
ClientSampleId :
BFB

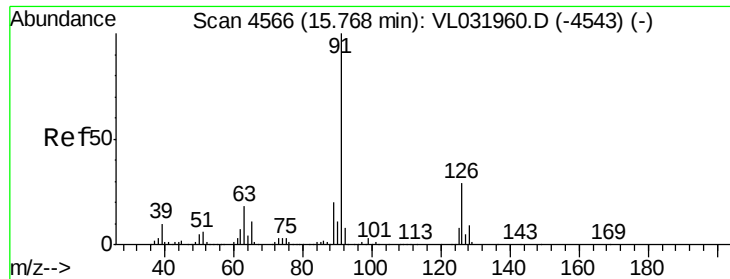
Tgt Ion: 119 Resp: 4323547
Ion Ratio Lower Upper
119 100
134 24.9 19.8 29.8
91 30.2 23.8 35.6



#70
n-Butylbenzene
Concen: 8.23 ppbv
RT: 18.86 min Scan# 5528
Delta R.T. 0.00 min
Lab File: VL031967.D
Acq: 3 May 2018 16:17

Tgt Ion: 91 Resp: 4526849
Ion Ratio Lower Upper
91 100
92 53.0 41.8 62.8
134 22.2 17.6 26.4





#71

2-Chlorotoluene

Concen: 8.07 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampleId :

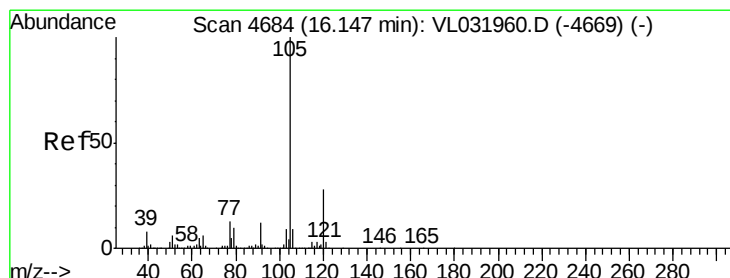
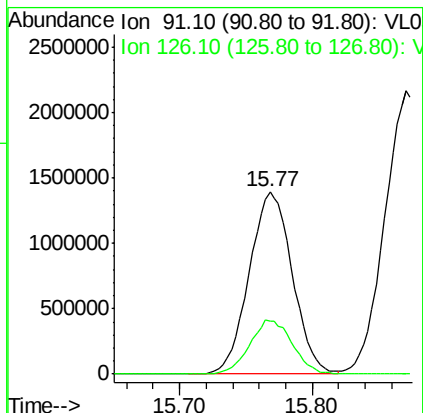
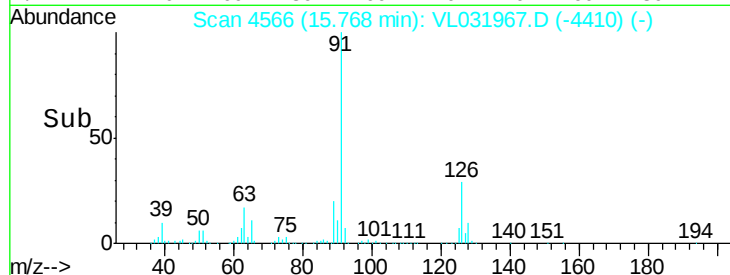
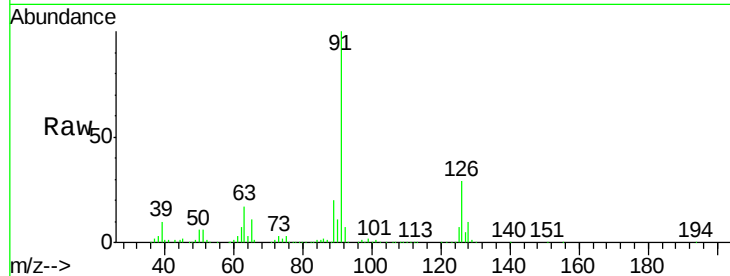
BFB

Tgt Ion: 91 Resp: 3156013

Ion Ratio Lower Upper

91 100

126 29.5 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.11 ppbv

RT: 16.15 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Tgt Ion: 105 Resp: 3440796

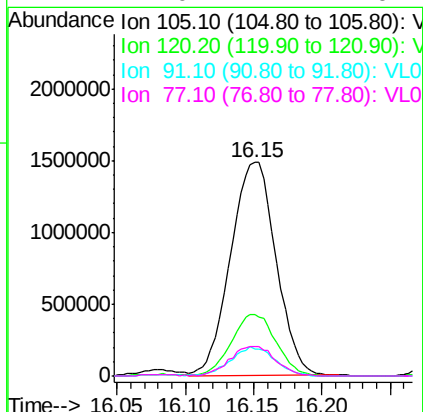
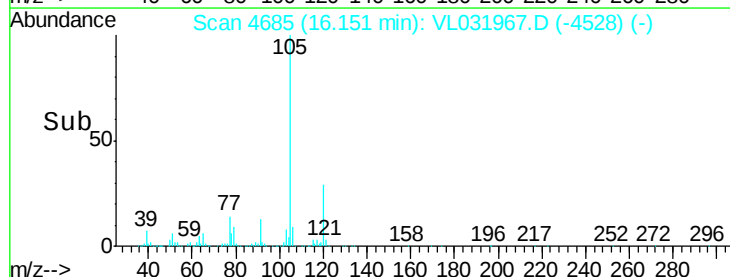
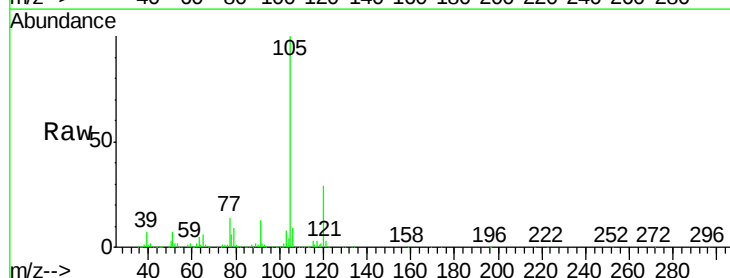
Ion Ratio Lower Upper

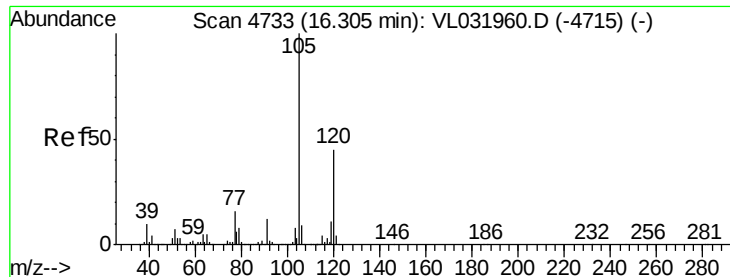
105 100

120 28.7 22.6 33.8

91 13.0 10.5 15.7

77 14.0 11.1 16.7

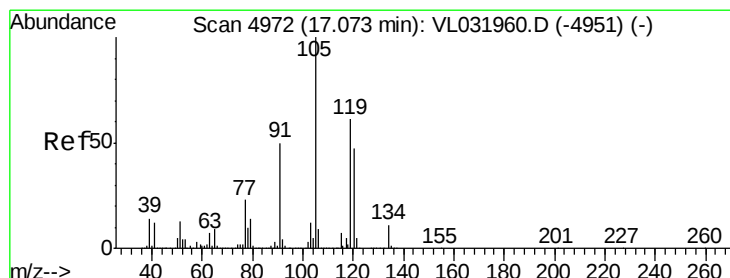
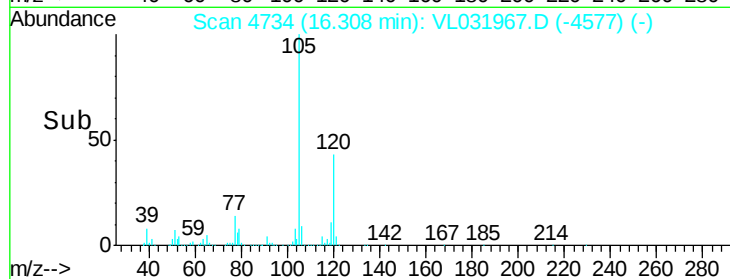
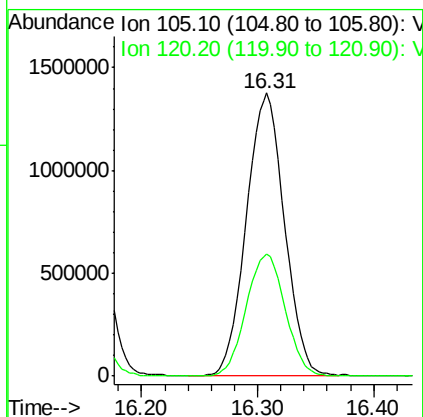
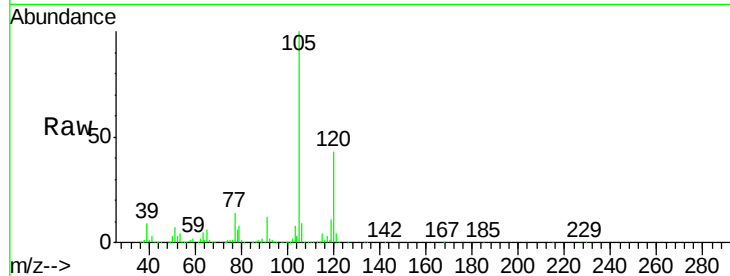




#73
 1,3,5-Trimethylbenzene
 Concen: 7.99 ppbv
 RT: 16.31 min Scan# 4734
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

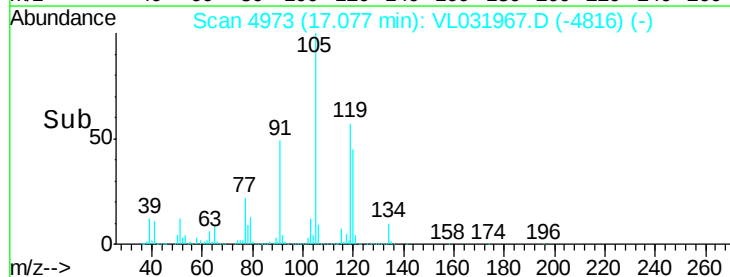
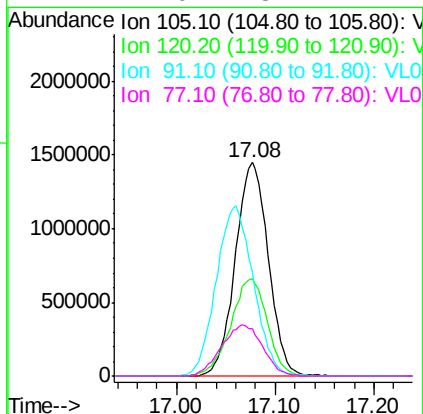
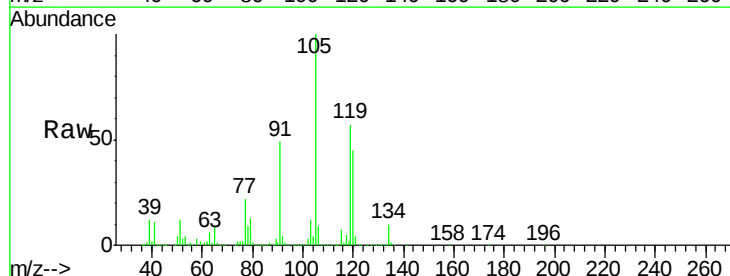
Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

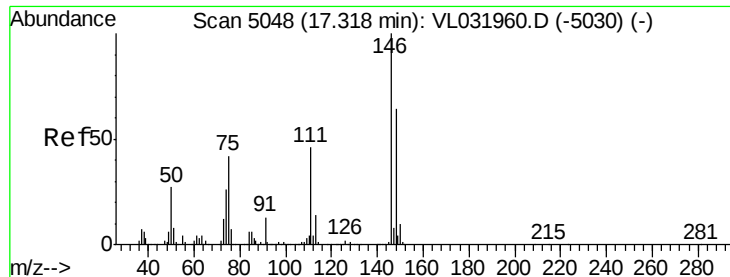
Tgt Ion:105 Resp: 3134915
 Ion Ratio Lower Upper
 105 100
 120 43.0 36.0 54.0



#74
 1,2,4-Trimethylbenzene
 Concen: 7.76 ppbv
 RT: 17.08 min Scan# 4973
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion:105 Resp: 3368702
 Ion Ratio Lower Upper
 105 100
 120 45.2 37.8 56.6
 91 48.6 40.5 60.7
 77 22.0 18.2 27.2

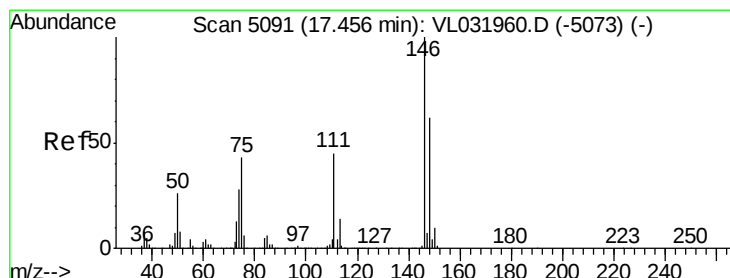
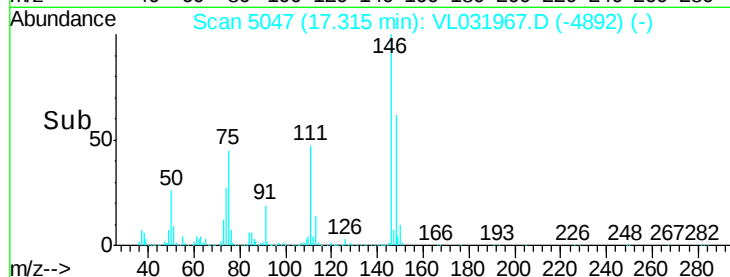
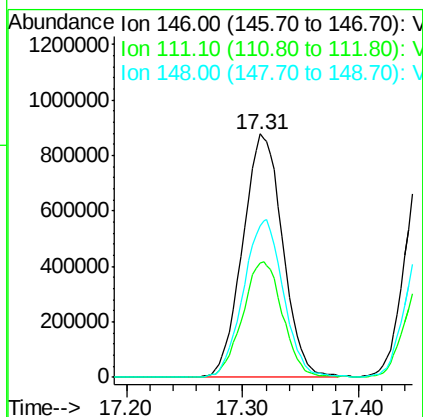
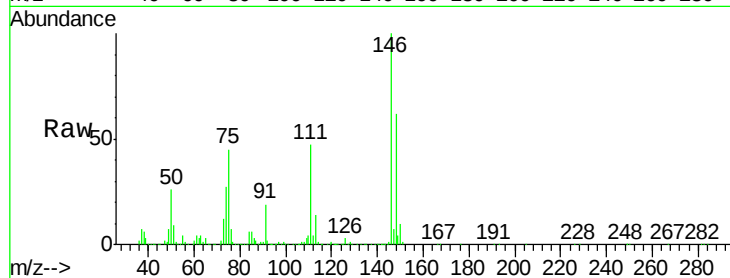




#75
 1,3-Dichlorobenzene
 Concen: 7.85 ppbv
 RT: 17.31 min Scan# 5047
 Delta R.T. -0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

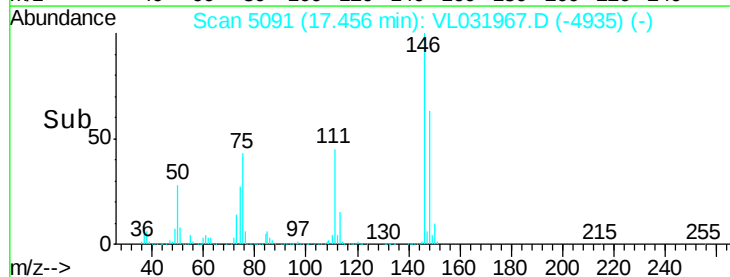
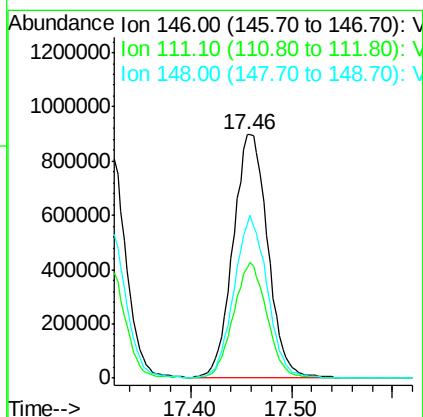
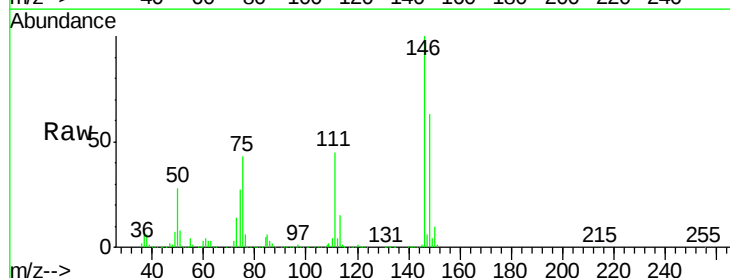
Instrument :
 MSVOA_L
 ClientSampleID :
 BFB

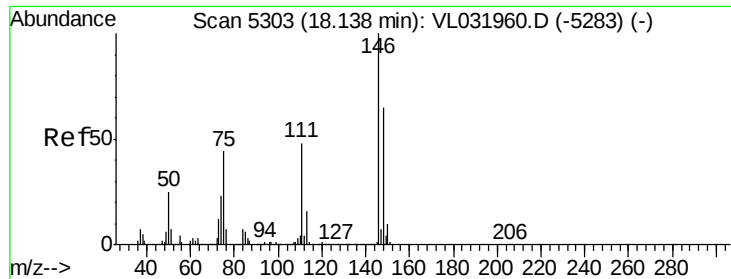
Tgt Ion:146 Resp: 2103882
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.5 70.5
 148 64.7 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 8.06 ppbv
 RT: 17.46 min Scan# 5091
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion:146 Resp: 2138063
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.0 69.0
 148 63.9 32.4 97.2

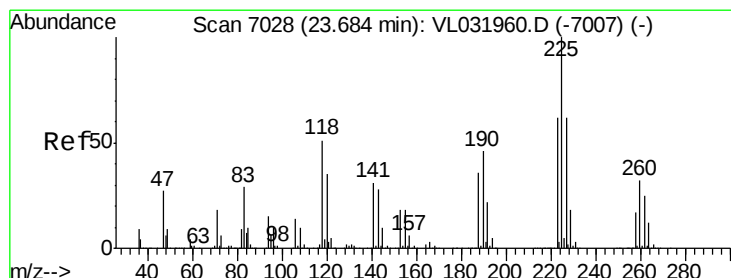
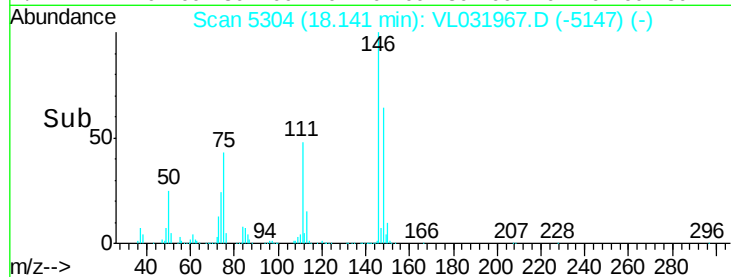
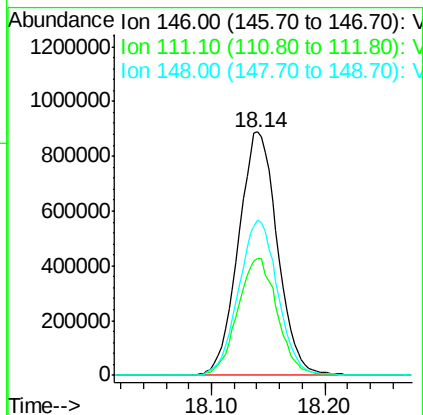
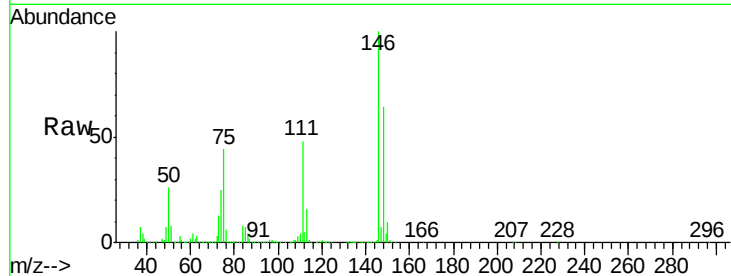




#77
 1,2-Dichlorobenzene
 Concen: 7.91 ppbv
 RT: 18.14 min Scan# 5304
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

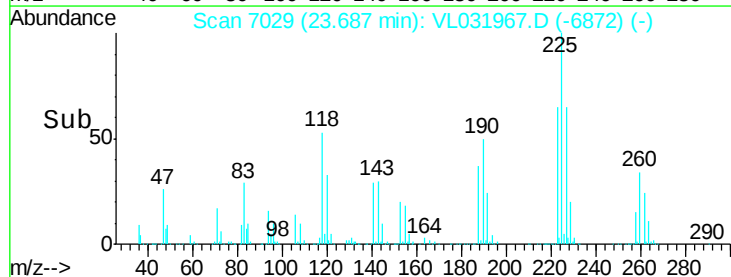
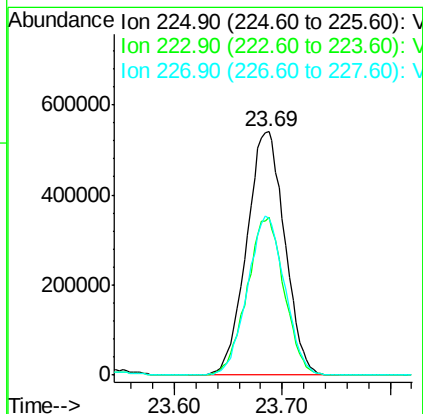
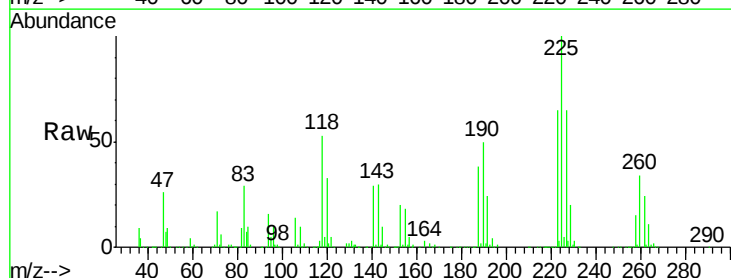
Instrument :
 MSVOA_L
 ClientSampled :
 BFB

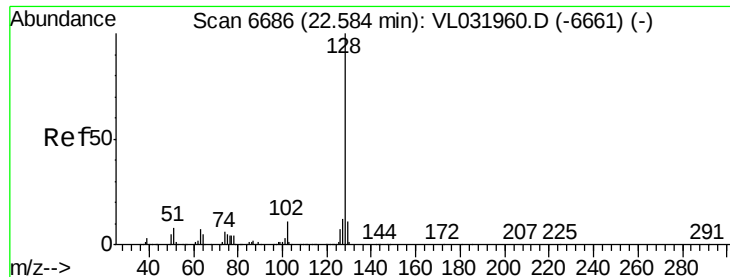
Tgt Ion:146 Resp: 2132567
 Ion Ratio Lower Upper
 146 100
 111 48.7 24.2 72.6
 148 63.9 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.77 ppbv
 RT: 23.69 min Scan# 7029
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Tgt Ion:225 Resp: 1320240
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.8 76.2
 227 64.0 50.9 76.3





#79

Naphthalene

Concen: 9.73 ppbv

RT: 22.59 min Scan# 6688

Delta R.T. 0.01 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

Instrument :

MSVOA_L

ClientSampled :

BFB

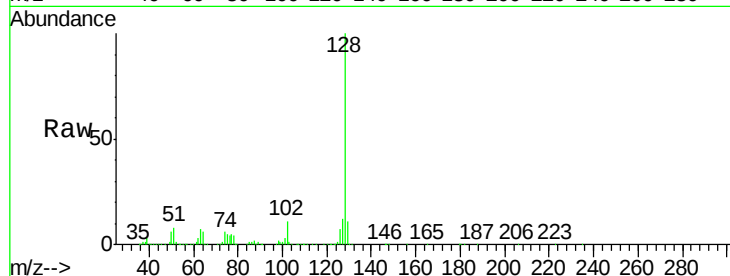
Tgt Ion:128 Resp: 2940881

Ion Ratio Lower Upper

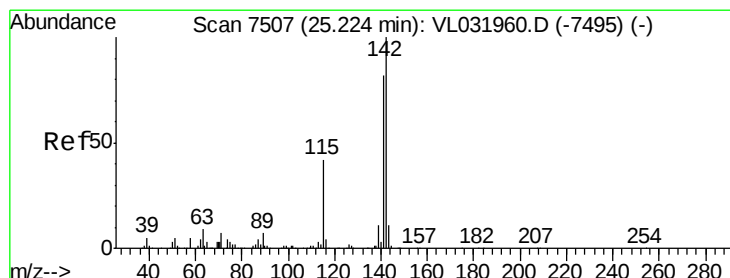
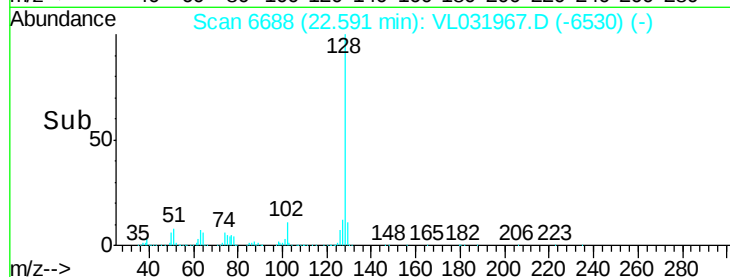
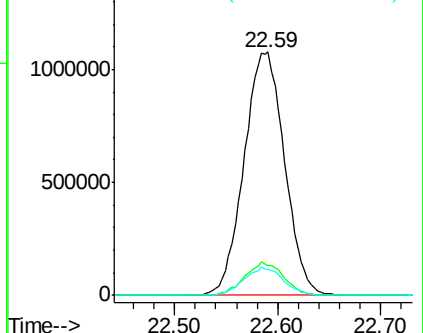
128 100

127 12.4 10.0 15.0

129 10.6 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 14.67 ppbv

RT: 25.23 min Scan# 7509

Delta R.T. 0.01 min

Lab File: VL031967.D

Acq: 3 May 2018 16:17

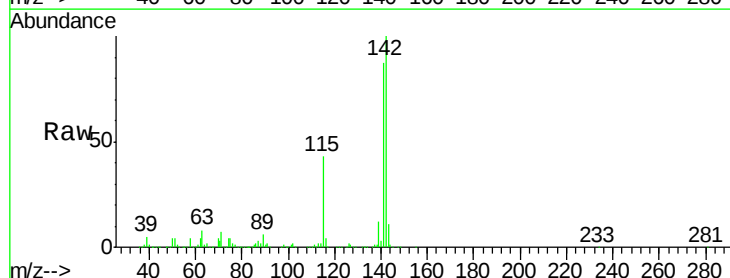
Tgt Ion:142 Resp: 1057906

Ion Ratio Lower Upper

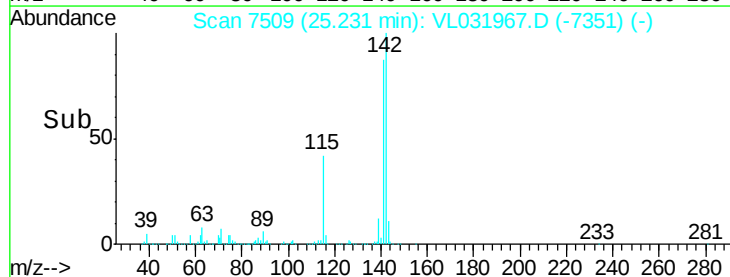
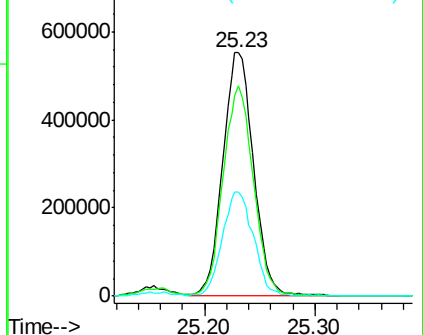
142 100

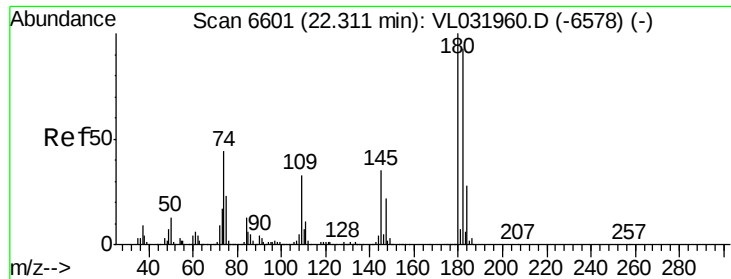
141 85.7 67.9 101.9

115 43.5 33.8 50.8



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

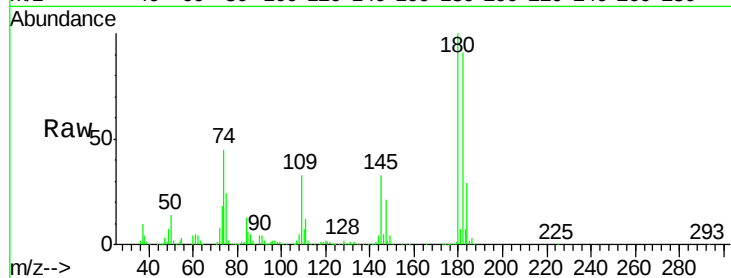




#81
 1,2,4-Trichlorobenzene
 Concen: 8.91 ppbv
 RT: 22.31 min Scan# 6601
 Delta R.T. 0.00 min
 Lab File: VL031967.D
 Acq: 3 May 2018 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 1493314
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.6 114.8
 184 30.3 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

