

Data File : VL031858.D

Acq On : 12 Apr 2018 5:26

Operator : SY/AP

Sample : VSTDICV010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Quant Time: Apr 14 01:32:39 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	1394895	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2947375	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.40	117	3096024	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2434983	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.17	85	2153830	7.49	ppbv	99
3) Chlorodifluoromethane	3.10	51	1059378	6.53	ppbv	100
4) Chloromethane	3.26	50	639954	7.73	ppbv	96
5) Vinyl Chloride	3.39	62	691014	7.41	ppbv	95
6) Bromomethane	3.61	94	469914	7.67	ppbv	99
7) Chloroethane	3.70	64	285011	7.67	ppbv	90
8) Dichlorotetrafluoroethane	3.31	85	1802636	7.63	ppbv	99
9) Propene	3.13	41	462331	8.24	ppbv	100
10) Heptane	8.39	43	1546897	8.50	ppbv	99
11) Trichlorofluoromethane	4.11	101	2331537	8.27	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.67	101	1487780	8.12	ppbv	100
13) Ethanol	3.76	45	118245	6.21	ppbv	98
14) Bromoethene	3.89	108	617546	8.93	ppbv	98
15) Acetone	4.01	43	1534343	7.15	ppbv	97
16) 1,3-Butadiene	3.46	39	673786	8.48	ppbv	99
17) tert-Butyl alcohol	4.47	59	611277	6.89	ppbv	98
18) 1,1-Dichloroethene	4.46	96	674896	8.57	ppbv	93
19) Isopropyl Alcohol	4.13	45	942841	7.86	ppbv	100
20) Methylene Chloride	4.52	84	615078	7.87	ppbv	93
21) Allyl Chloride	4.59	41	1051465	8.57	ppbv	99
22) trans-1,2-Dichloroethene	5.08	96	698698	8.56	ppbv	94
23) Vinyl Acetate	5.28	43	1912594	8.79	ppbv	99
24) 1,1-Dichloroethane	5.22	63	1796936	8.29	ppbv	99
25) Ethyl Acetate	5.90	43	2827136	8.44	ppbv	99
26) Hexane	5.91	57	1347123	8.63	ppbv	99
27) Carbon Disulfide	4.74	76	1817105	8.97	ppbv	100
28) Methyl tert-Butyl Ether	5.24	73	1703983	8.87	ppbv	99
29) Chloroform	5.98	83	2161750	8.17	ppbv	97
30) Cyclohexane	7.39	84	963647	8.64	ppbv	100
31) cis-1,2-Dichloroethene	5.77	61	1245130	8.80	ppbv	97
32) 1,1,1-Trichloroethane	6.76	97	1984375	7.70	ppbv	99
34) 2-Butanone	5.45	43	1785952	8.73	ppbv	99
35) Carbon Tetrachloride	7.28	117	2041536	7.98	ppbv	100
36) Benzene	7.14	78	2325473	8.77	ppbv	98
37) 1,2-Dichloroethane	6.55	62	1642039	8.32	ppbv	99
38) Trichloroethene	8.11	130	926320	8.61	ppbv	99
39) 1,2-Dichloropropane	7.88	63	841789	8.54	ppbv	97
40) 1,4-Dioxane	8.10	88	347079	8.68	ppbv	86
41) Tetrahydrofuran	6.28	42	922352	9.75	ppbv	99
42) Bromodichloromethane	8.06	83	2053740	8.70	ppbv	100
43) Methyl Methacrylate	8.28	69	868391	9.31	ppbv	98

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

Response via : Initial Calibration

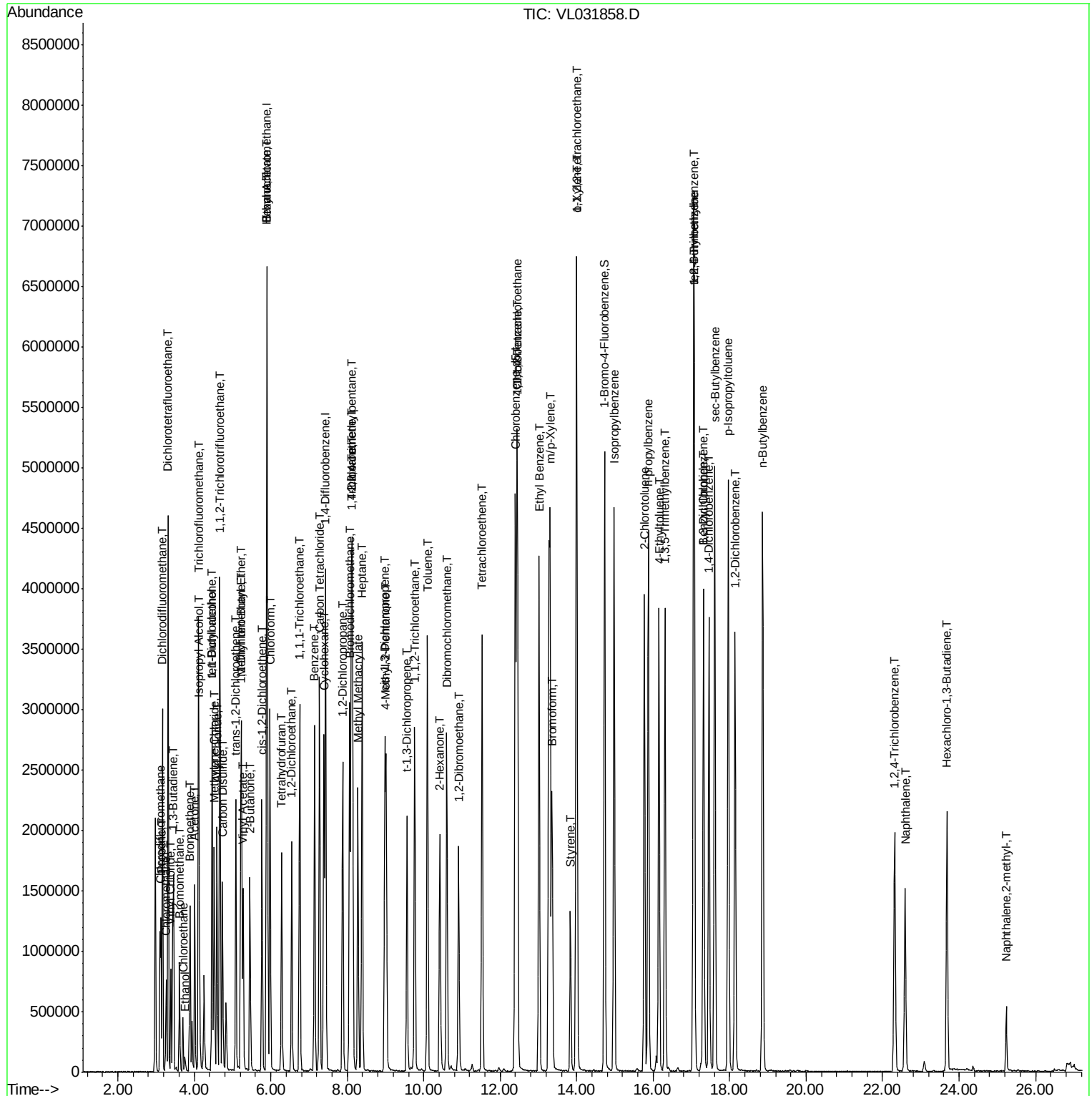
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	3989559	8.74	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1221184	10.09	ppbv	95
46) cis-1,3-Dichloropropene	8.98	75	1491998	9.65	ppbv	95
47) 1,1,2-Trichloroethane	9.76	97	992370	8.47	ppbv	97
48) Dibromochloromethane	10.60	129	1707084	9.02	ppbv	100
49) Bromoform	13.36	173	1318005	9.04	ppbv	99
50) 4-Methyl-2-Pentanone	9.01	43	2053464	8.77	ppbv	100
51) 2-Hexanone	10.42	43	1835860	8.97	ppbv #	100
52) Tetrachloroethene	11.52	164	876095	8.48	ppbv	97
53) Toluene	10.10	91	2799335	9.47	ppbv	100
54) 1,2-Dibromoethane	10.91	107	1508627	8.87	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.43	131	1178260	8.09	ppbv	97
57) Chlorobenzene	12.46	112	2100841	8.00	ppbv	99
58) Ethyl Benzene	13.02	91	3878081	9.02	ppbv	99
59) m/p-Xylene	13.30	91	3069433	8.22	ppbv #	27
60) o-Xylene	14.00	91	3260800	8.74	ppbv	100
61) Styrene	13.84	104	729837	10.27	ppbv	100
62) Isopropylbenzene	14.98	105	4142963	8.64	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.99	83	2166378	7.55	ppbv	99
64) n-propylbenzene	15.87	120	1019114	8.75	ppbv	99
65) tert-Butylbenzene	17.06	119	3486857	8.46	ppbv	100
66) Benzyl Chloride	17.31	91	384076	10.34	ppbv	99
67) sec-Butylbenzene	17.61	105	4936765	8.31	ppbv	99
69) p-Isopropyltoluene	17.96	119	3901397	8.47	ppbv	100
70) n-Butylbenzene	18.86	91	3953088	8.25	ppbv	99
71) 2-Chlorotoluene	15.77	91	3073928	8.87	ppbv	100
72) 4-Ethyltoluene	16.15	105	3314206	8.69	ppbv	99
73) 1,3,5-Trimethylbenzene	16.31	105	3006159	8.61	ppbv	98
74) 1,2,4-Trimethylbenzene	17.08	105	3141934	8.06	ppbv	93
75) 1,3-Dichlorobenzene	17.32	146	1861251	7.79	ppbv	99
76) 1,4-Dichlorobenzene	17.46	146	1887549	8.14	ppbv	100
77) 1,2-Dichlorobenzene	18.14	146	1886088	8.01	ppbv	100
78) Hexachloro-1,3-Butadiene	23.68	225	571067	6.32	ppbv	98
79) Naphthalene	22.59	128	1847448	8.42	ppbv	97
80) Naphthalene,2-methyl-	25.23	142	248075	5.79	ppbv	97
81) 1,2,4-Trichlorobenzene	22.32	180	914952	7.52	ppbv	99

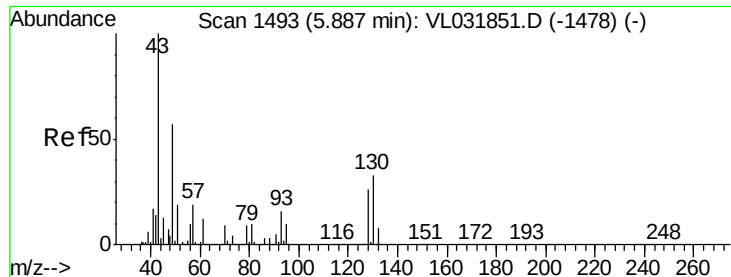
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

ICVVL041218

Response via : Initial Calibration

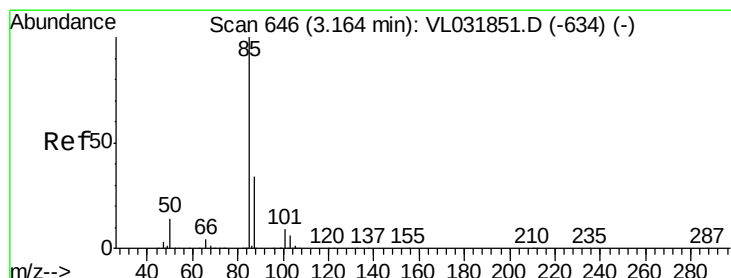
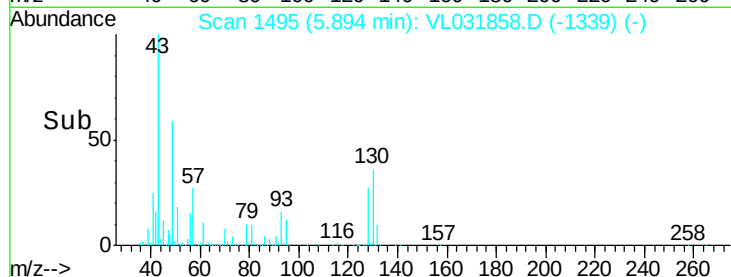
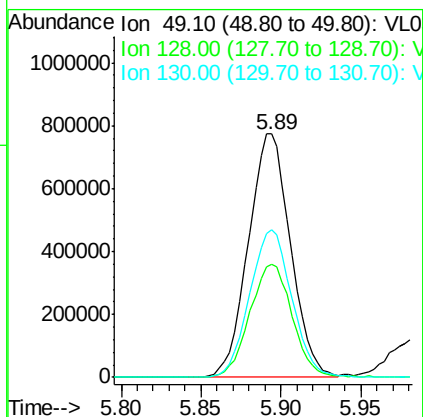
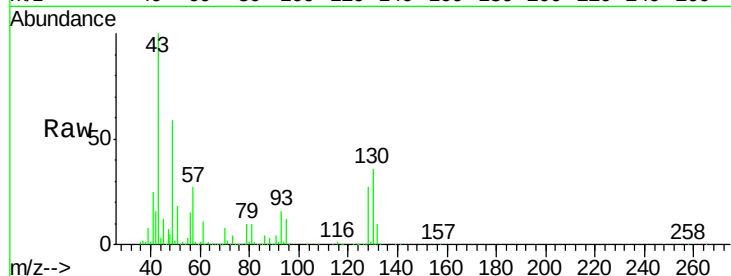




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.89 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

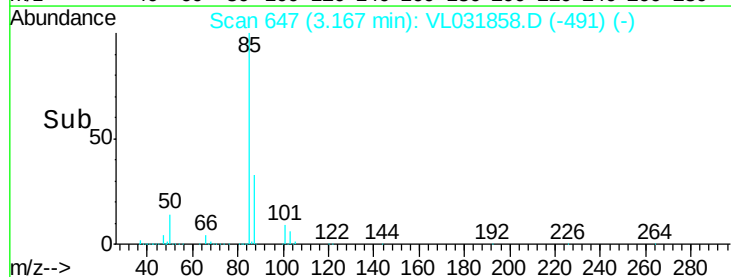
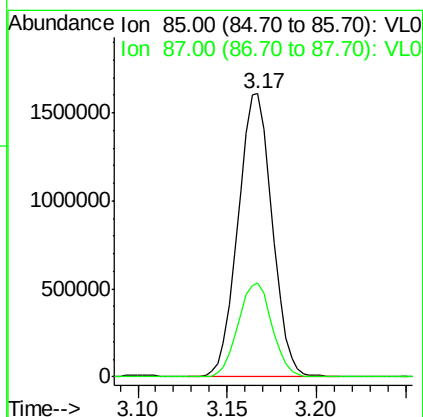
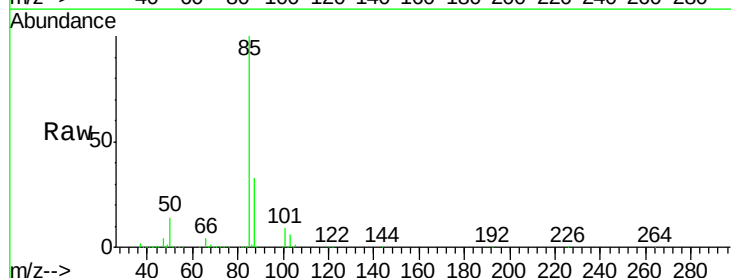
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

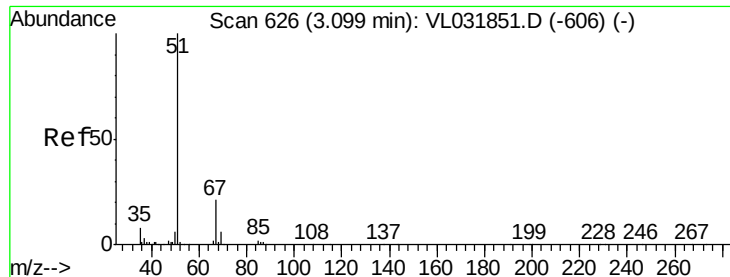
Tgt Ion: 49 Resp: 1394895
 Ion Ratio Lower Upper
 49 100
 128 47.0 23.9 71.7
 130 61.1 30.9 92.7



#2
 Dichlorodifluoromethane
 Concen: 7.49 ppbv
 RT: 3.17 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 85 Resp: 2153830
 Ion Ratio Lower Upper
 85 100
 87 33.0 25.9 38.9





#3

Chlorodifluoromethane

Concen: 6.53 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

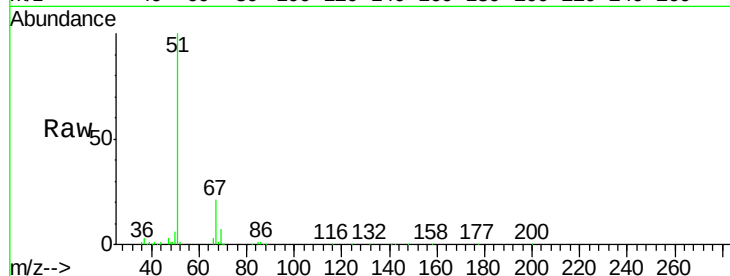
ICVVL041218

Tgt Ion: 51 Resp: 1059378

Ion Ratio Lower Upper

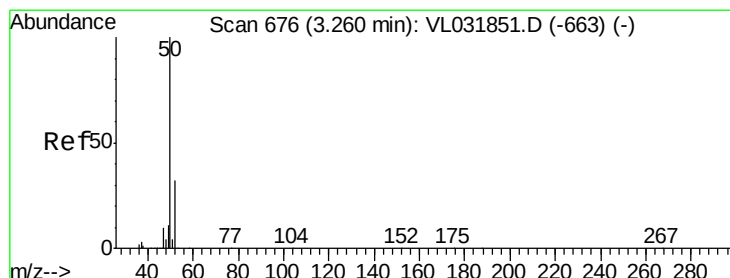
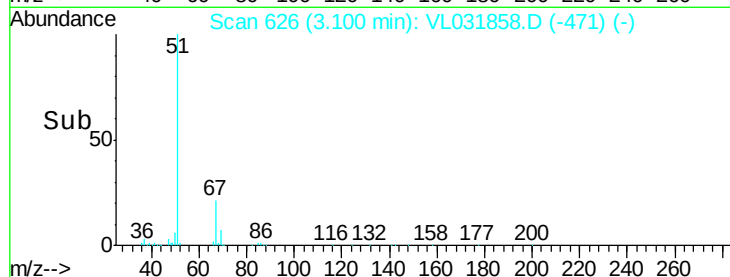
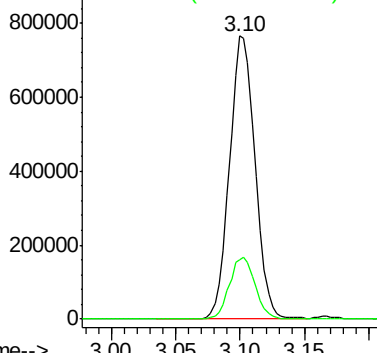
51 100

67 22.0 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: 7.73 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031858.D

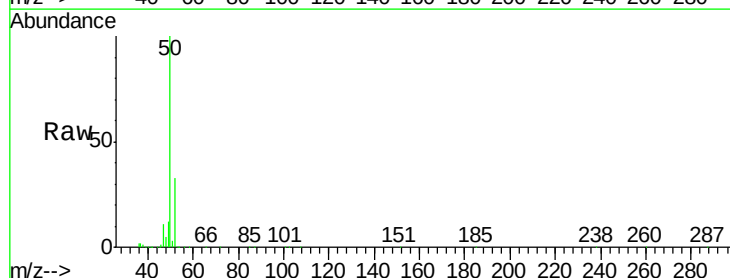
Acq: 12 Apr 2018 5:26

Tgt Ion: 50 Resp: 639954

Ion Ratio Lower Upper

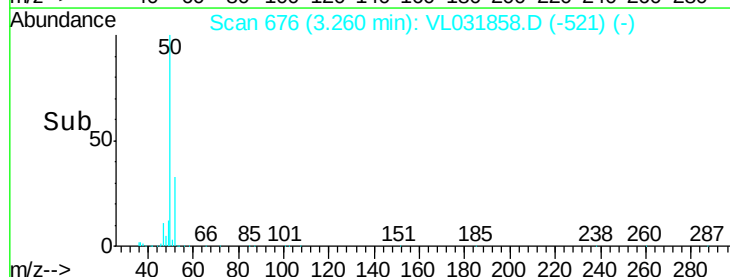
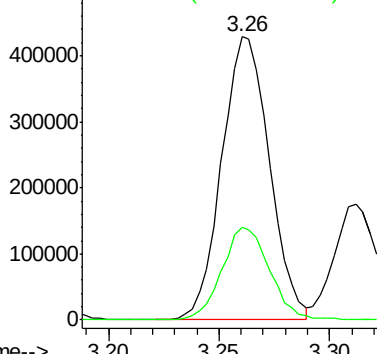
50 100

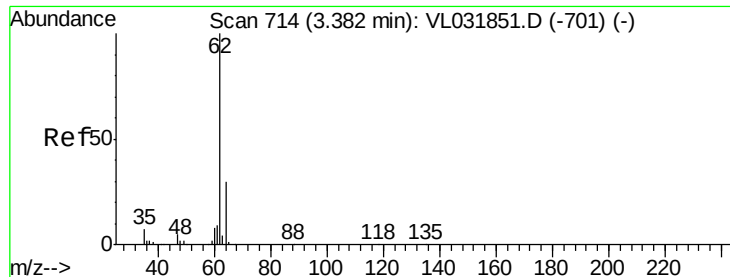
52 32.7 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.41 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

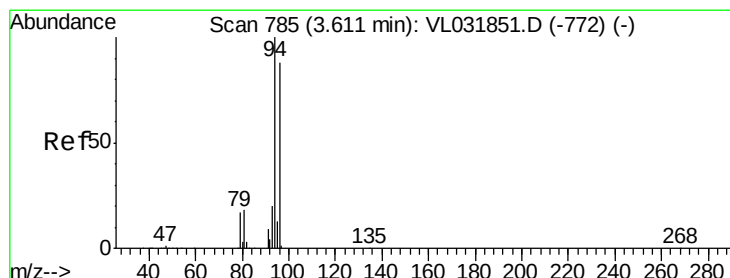
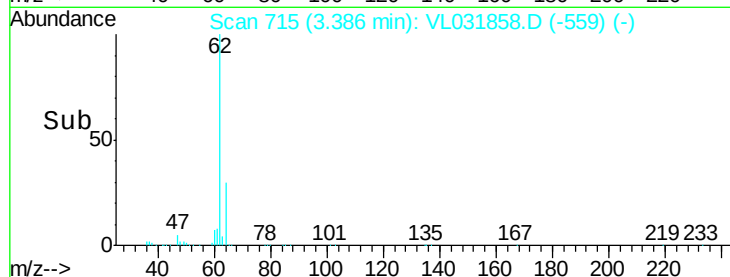
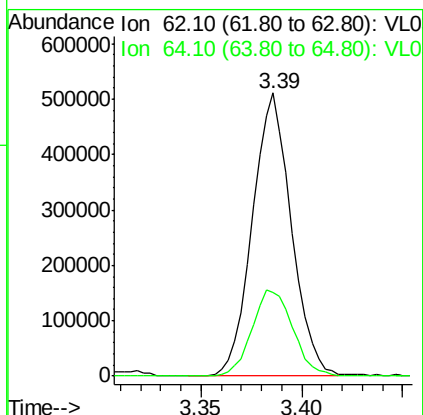
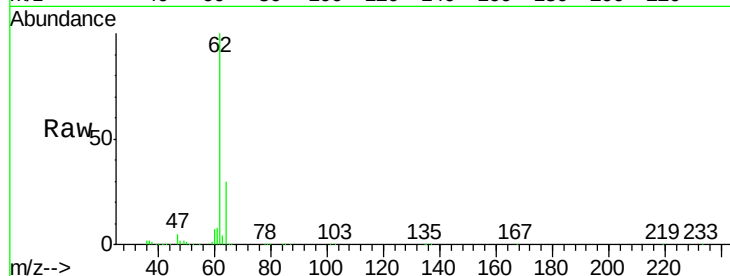
ICVVL041218

Tgt Ion: 62 Resp: 691014

Ion Ratio Lower Upper

62 100

64 29.8 25.9 38.9



#6

Bromomethane

Concen: 7.67 ppbv

RT: 3.61 min Scan# 786

Delta R.T. 0.00 min

Lab File: VL031858.D

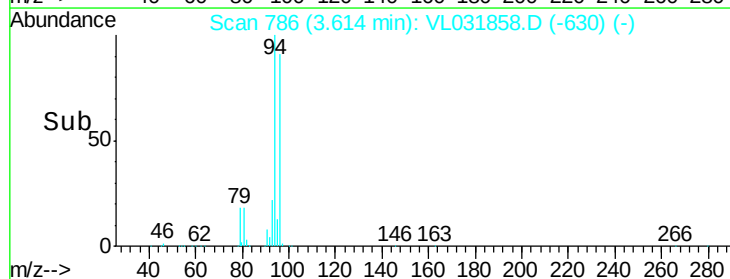
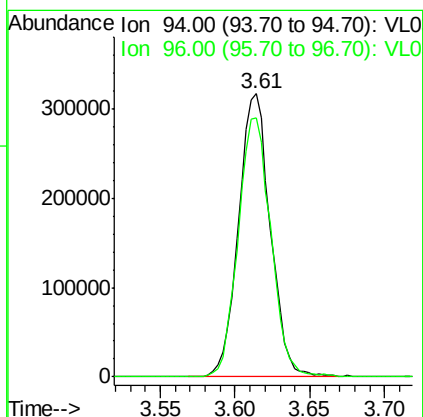
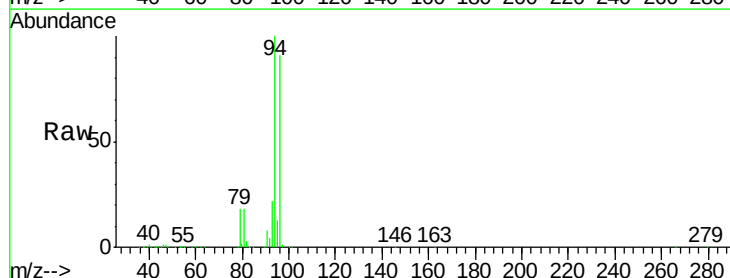
Acq: 12 Apr 2018 5:26

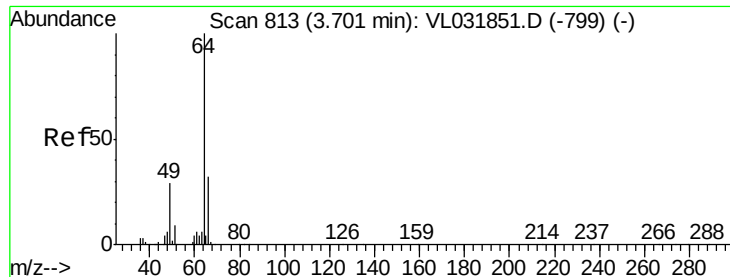
Tgt Ion: 94 Resp: 469914

Ion Ratio Lower Upper

94 100

96 91.3 73.8 110.6





#7

Chloroethane

Concen: 7.67 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

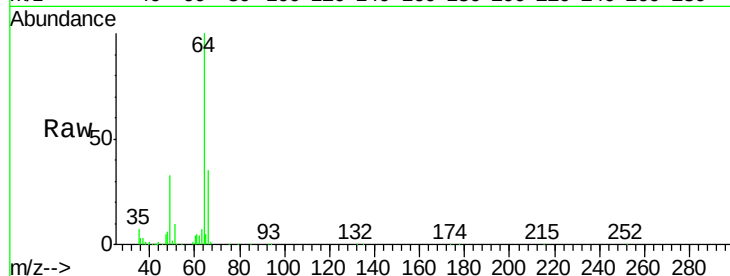
ICVVL041218

Tgt Ion: 64 Resp: 285011

Ion Ratio Lower Upper

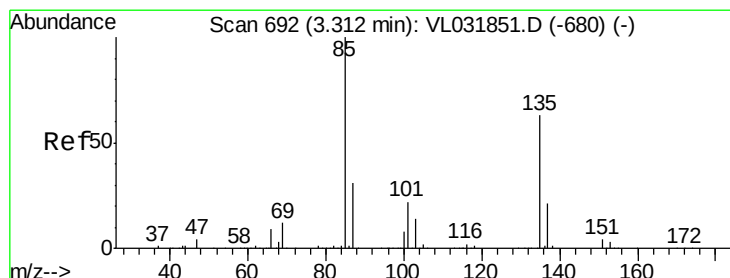
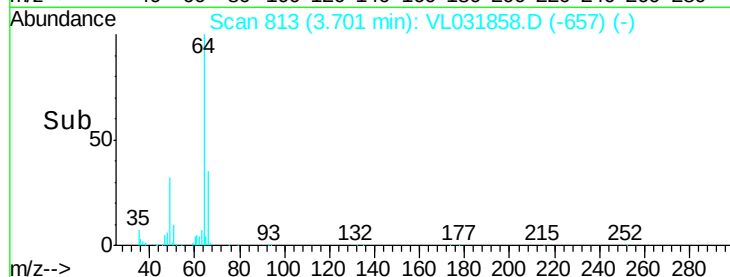
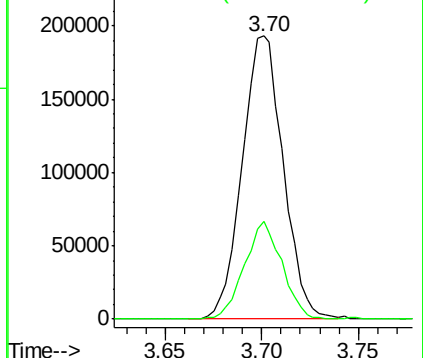
64 100

66 34.7 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: 7.63 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031858.D

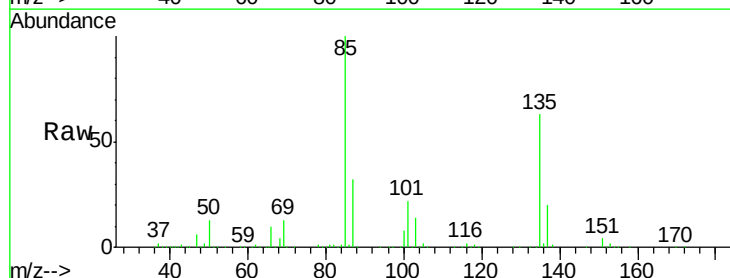
Acq: 12 Apr 2018 5:26

Tgt Ion: 85 Resp: 1802636

Ion Ratio Lower Upper

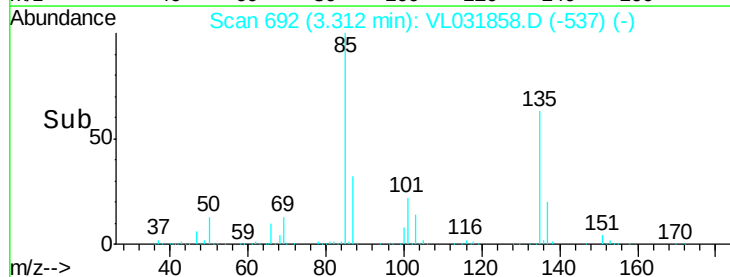
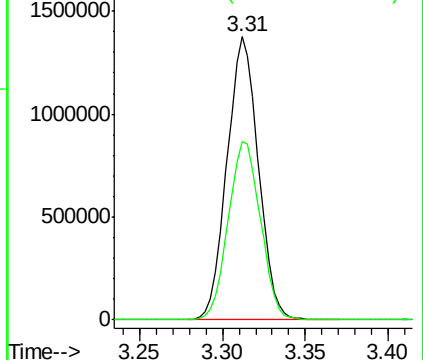
85 100

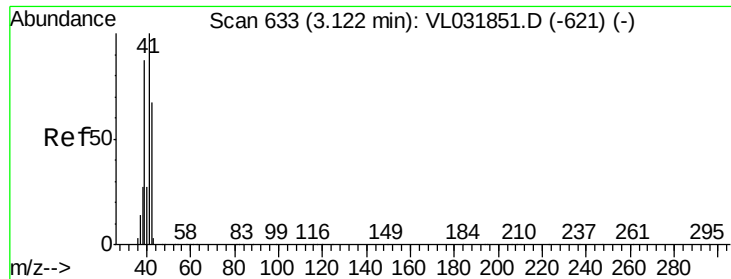
135 65.1 52.7 79.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.24 ppbv

RT: 3.13 min Scan# 634

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

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ClientSampleId :

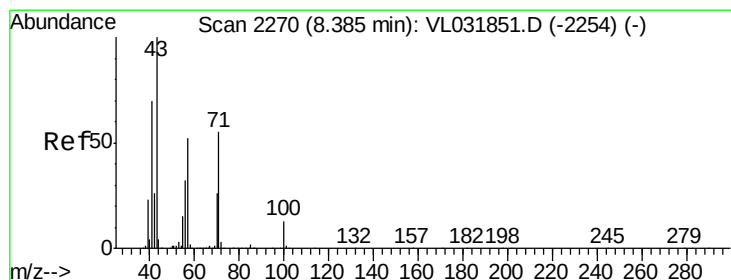
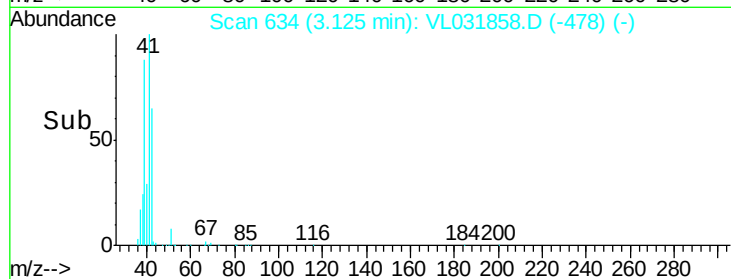
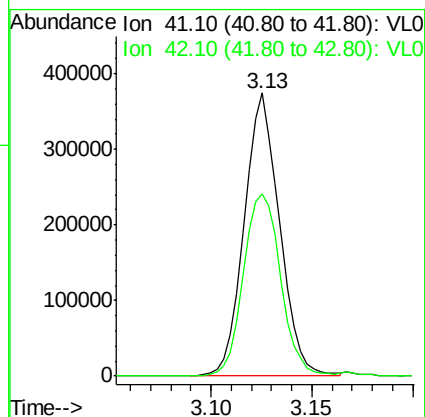
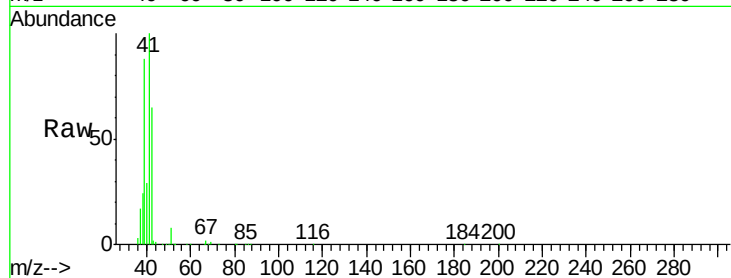
ICVVL041218

Tgt Ion: 41 Resp: 462331

Ion Ratio Lower Upper

41 100

42 68.8 55.0 82.4



#10

Heptane

Concen: 8.50 ppbv

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VL031858.D

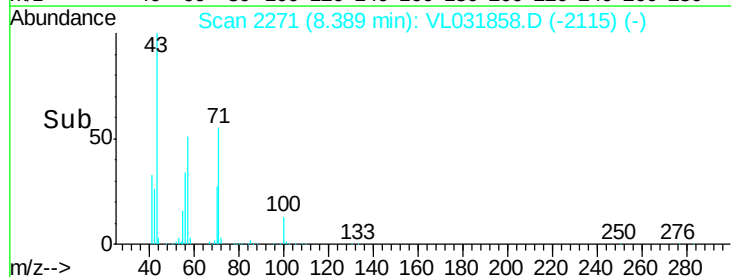
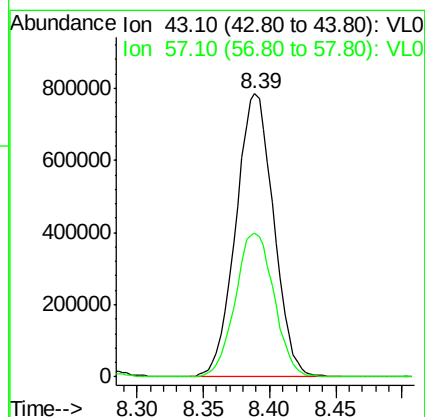
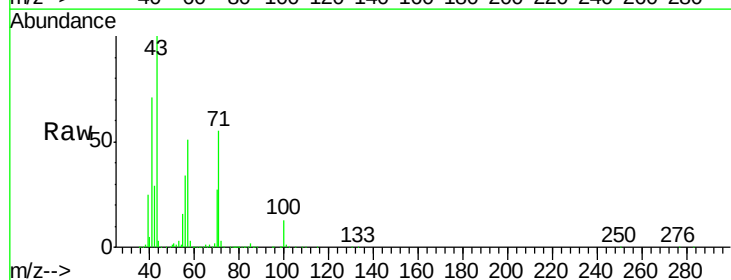
Acq: 12 Apr 2018 5:26

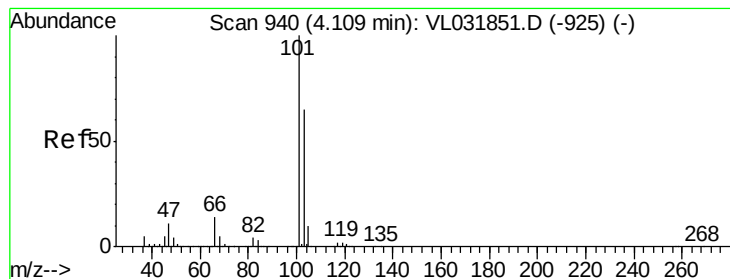
Tgt Ion: 43 Resp: 1546897

Ion Ratio Lower Upper

43 100

57 52.4 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.27 ppbv

RT: 4.11 min Scan# 940

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

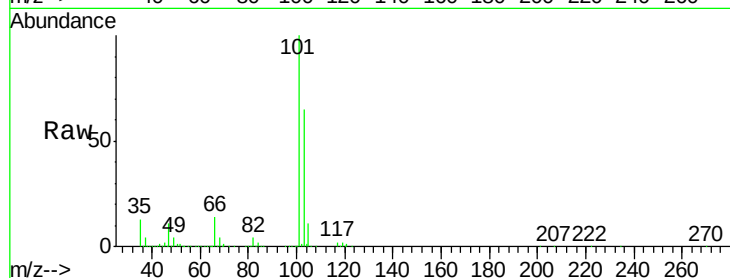
ICVVL041218

Tgt Ion:101 Resp: 2331537

Ion Ratio Lower Upper

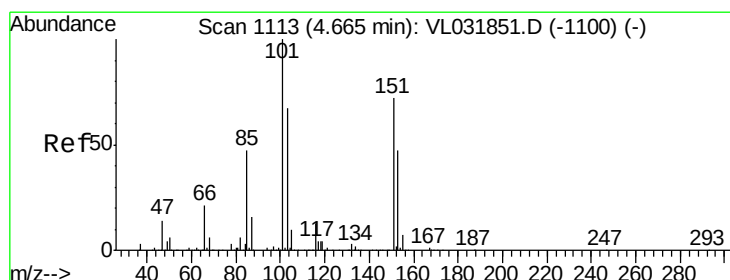
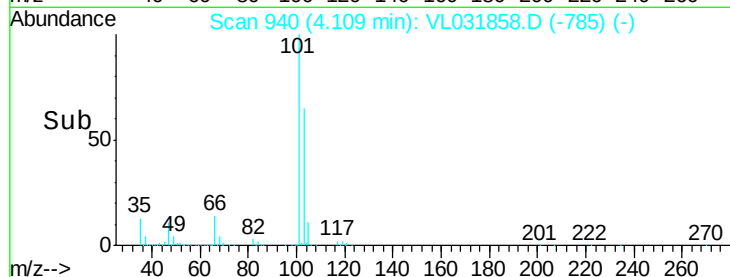
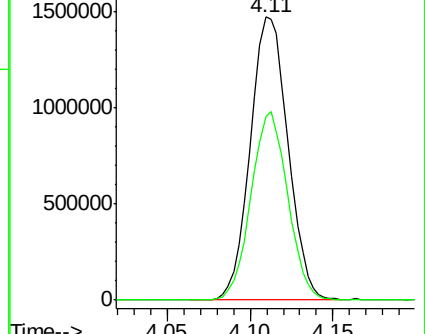
101 100

103 64.8 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: 8.12 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL031858.D

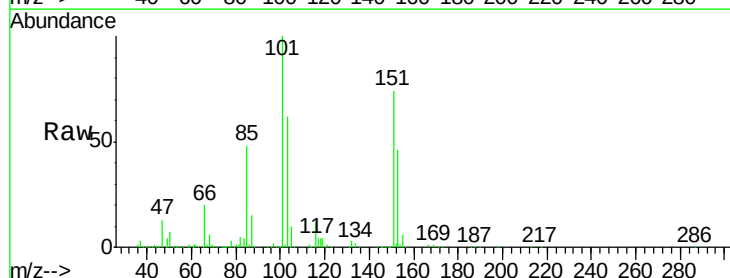
Acq: 12 Apr 2018 5:26

Tgt Ion:101 Resp: 1487780

Ion Ratio Lower Upper

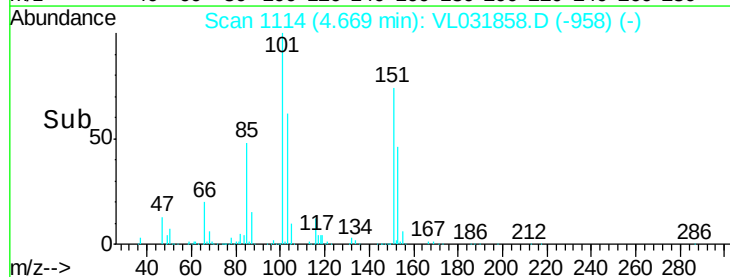
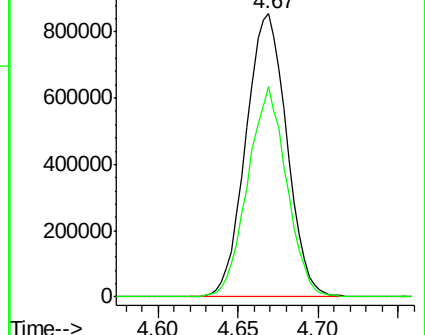
101 100

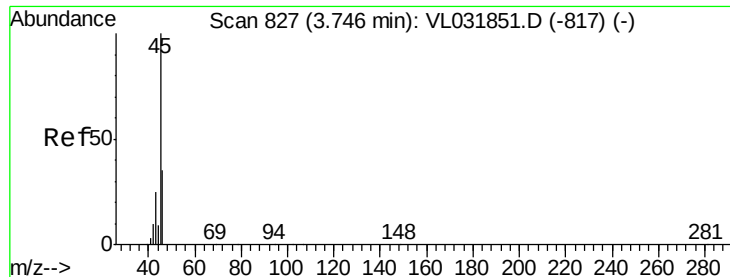
151 71.1 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

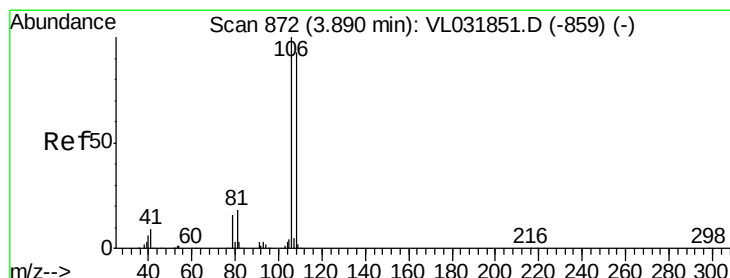
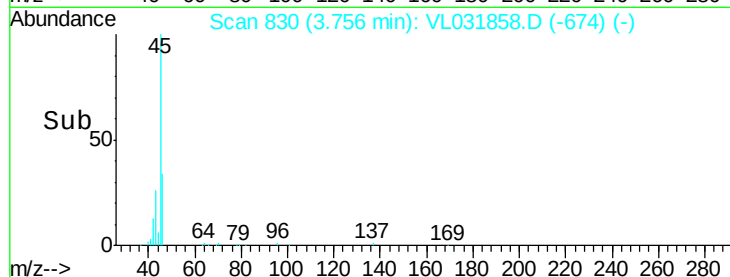
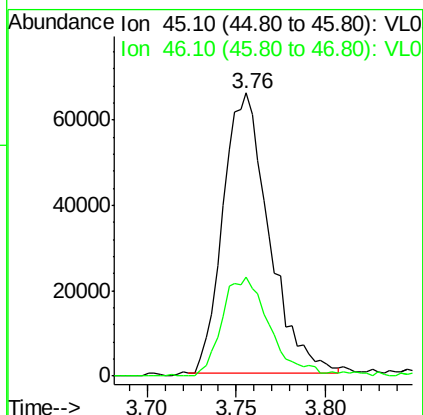
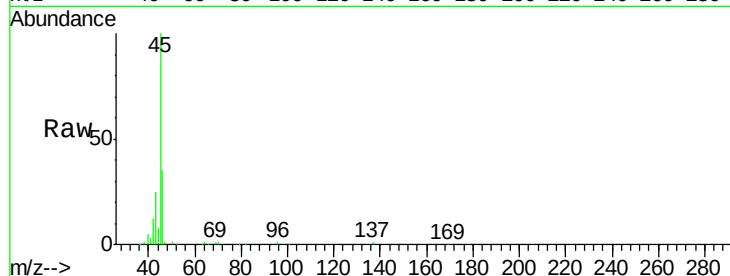




#13
Ethanol
Concen: 6.21 ppbv
RT: 3.76 min Scan# 830
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

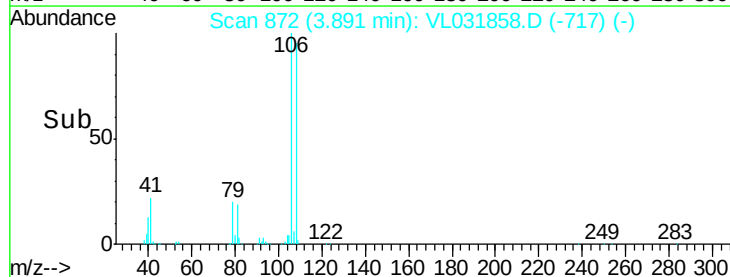
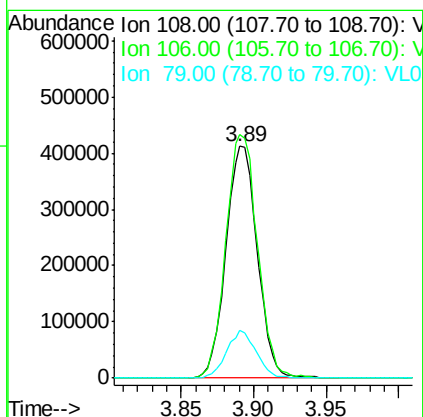
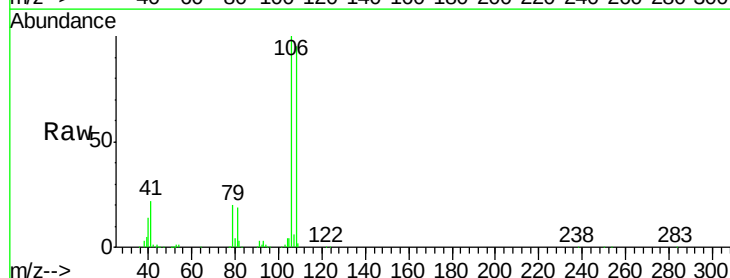
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

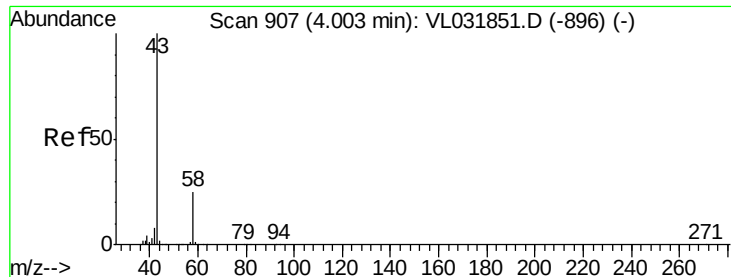
Tgt Ion: 45 Resp: 118245
Ion Ratio Lower Upper
45 100
46 37.9 14.6 58.6



#14
Bromoethene
Concen: 8.93 ppbv
RT: 3.89 min Scan# 872
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 108 Resp: 617546
Ion Ratio Lower Upper
108 100
106 106.5 86.6 130.0
79 19.9 15.5 23.3

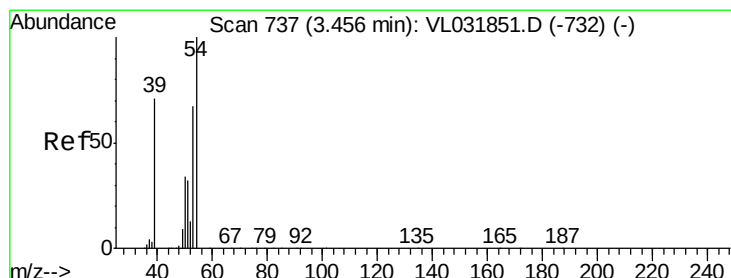
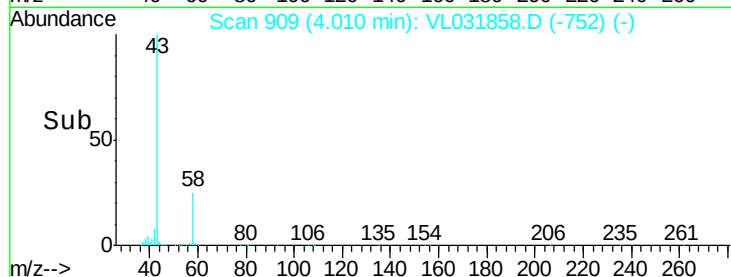
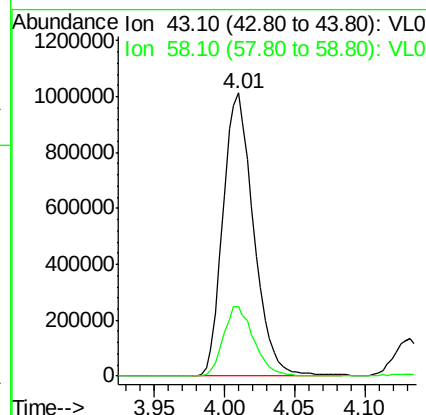
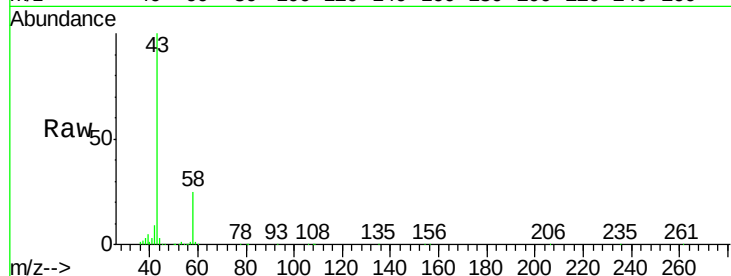




#15
Acetone
Concen: 7.15 ppbv
RT: 4.01 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

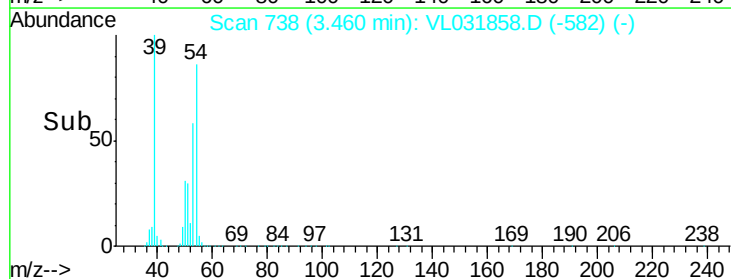
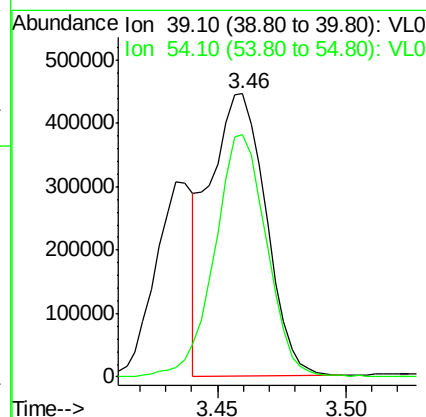
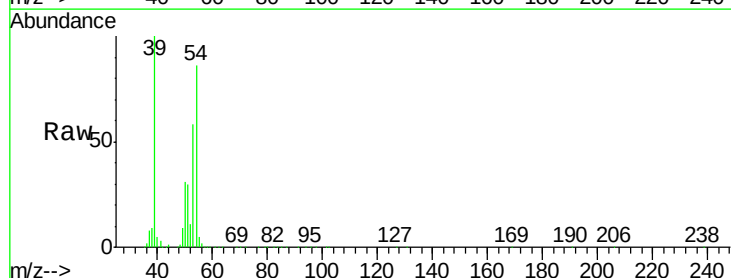
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

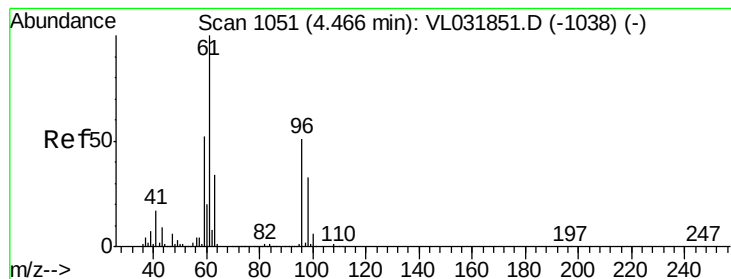
Tgt Ion: 43 Resp: 1534343
Ion Ratio Lower Upper
43 100
58 24.4 20.9 31.3



#16
1,3-Butadiene
Concen: 8.48 ppbv
RT: 3.46 min Scan# 738
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 39 Resp: 673786
Ion Ratio Lower Upper
39 100
54 80.0 63.3 94.9





#17

tert-Butyl alcohol

Concen: 6.89 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

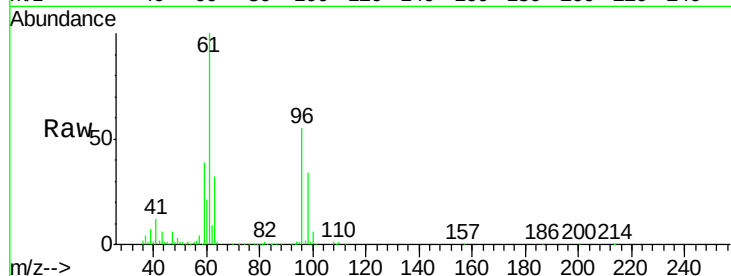
ICVVL041218

Tgt Ion: 59 Resp: 611277

Ion Ratio Lower Upper

59 100

57 9.8 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.47

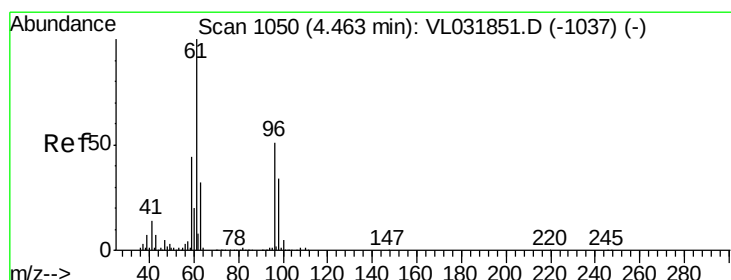
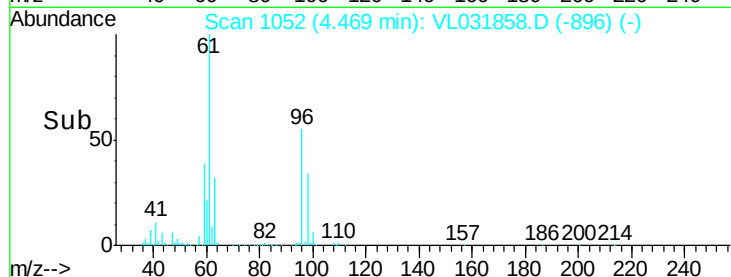
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.57 ppbv

RT: 4.46 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

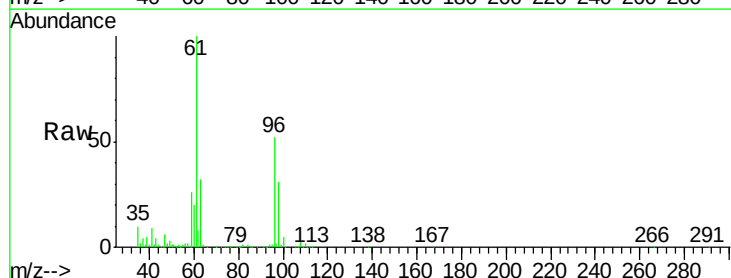
Tgt Ion: 96 Resp: 674896

Ion Ratio Lower Upper

96 100

61 191.6 161.0 241.6

98 60.0 52.7 79.1



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

4.46

1000000

800000

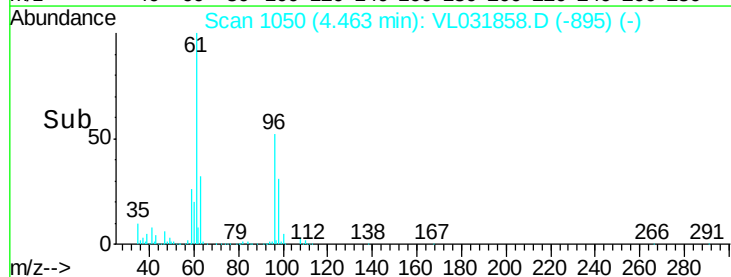
600000

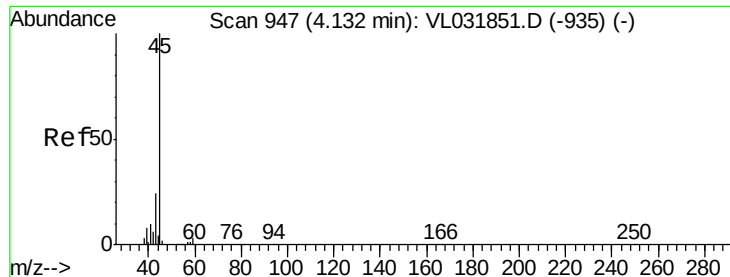
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.86 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

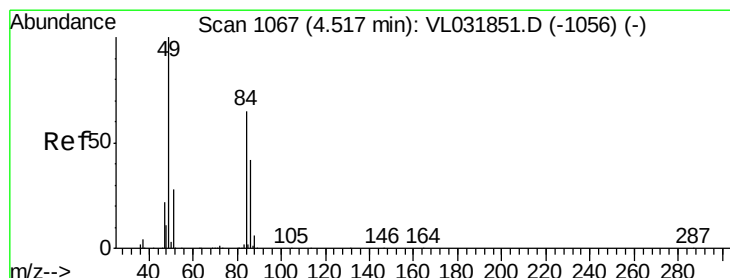
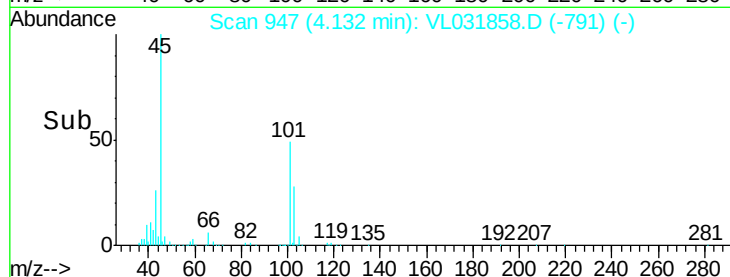
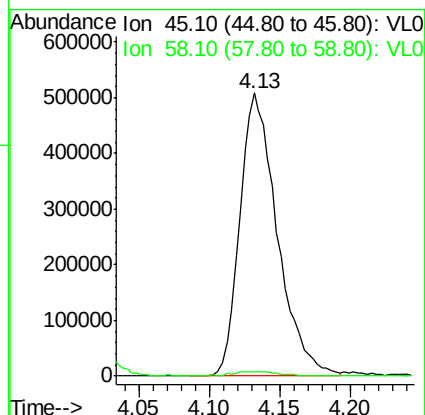
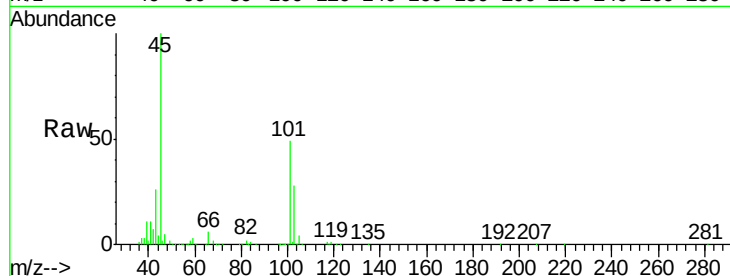
ICVVL041218

Tgt Ion: 45 Resp: 942841

Ion Ratio Lower Upper

45 100

58 2.2 1.7 2.5



#20

Methylene Chloride

Concen: 7.87 ppbv

RT: 4.52 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 84 Resp: 615078

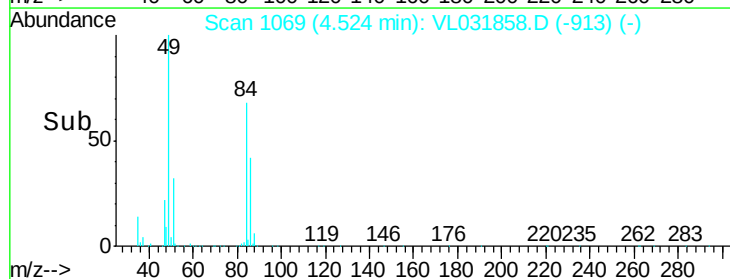
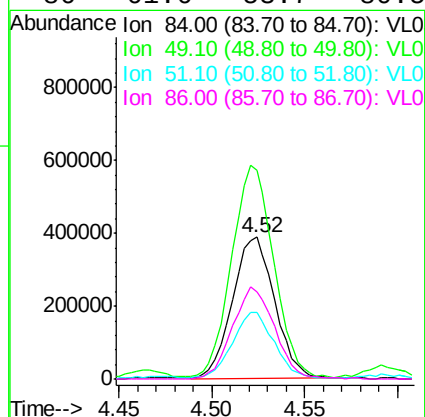
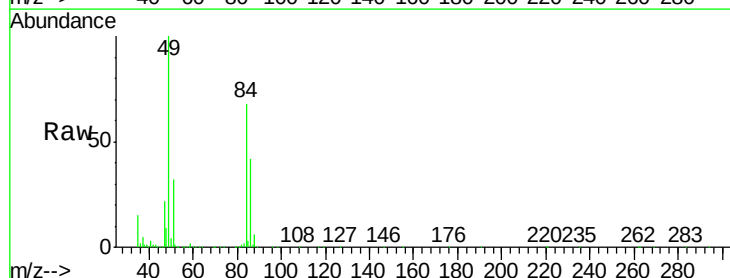
Ion Ratio Lower Upper

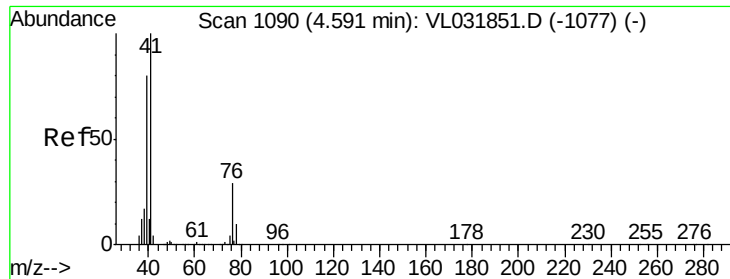
84 100

49 146.9 125.6 188.4

51 46.8 36.4 54.6

86 61.6 53.7 80.5

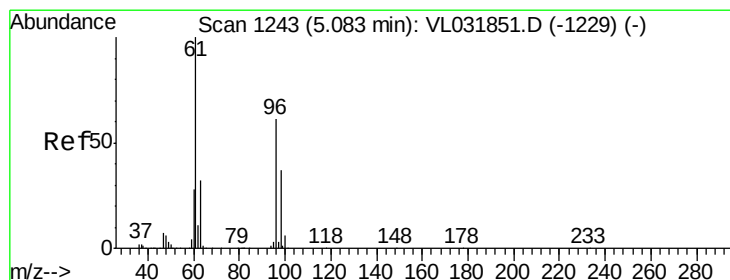
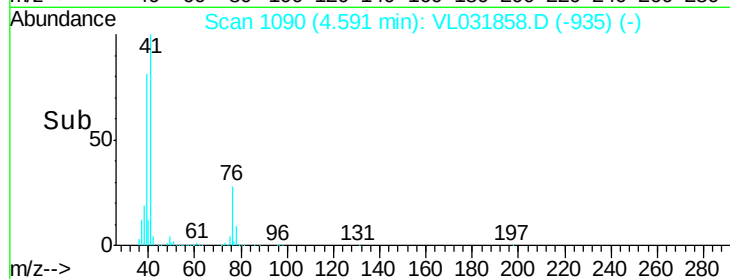
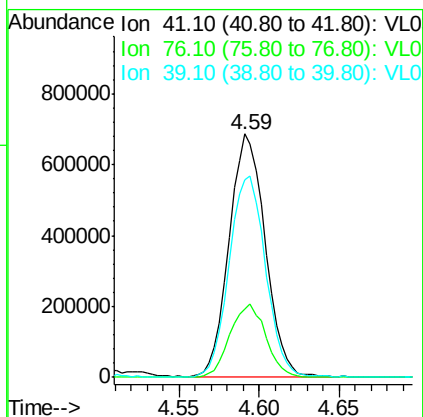
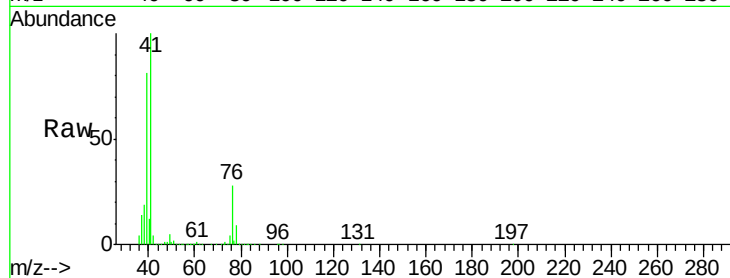




#21
 Allyl Chloride
 Concen: 8.57 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

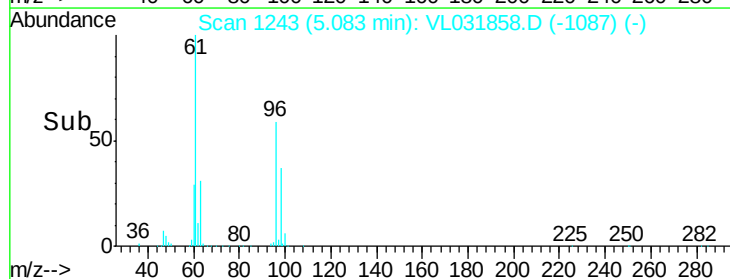
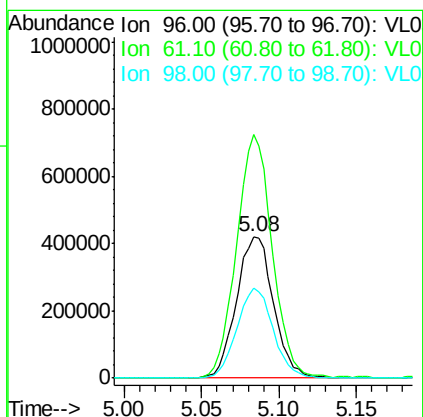
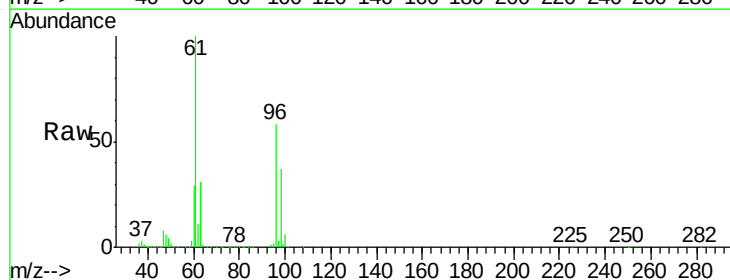
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

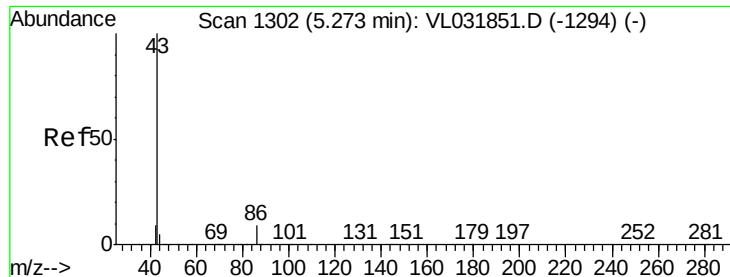
Tgt Ion: 41 Resp: 1051465
 Ion Ratio Lower Upper
 41 100
 76 30.0 23.4 35.2
 39 84.1 67.6 101.4



#22
 trans-1,2-Dichloroethene
 Concen: 8.56 ppbv
 RT: 5.08 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 96 Resp: 698698
 Ion Ratio Lower Upper
 96 100
 61 171.8 131.1 196.7
 98 63.1 47.6 71.4





#23

Vinyl Acetate

Concen: 8.79 ppbv

RT: 5.28 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

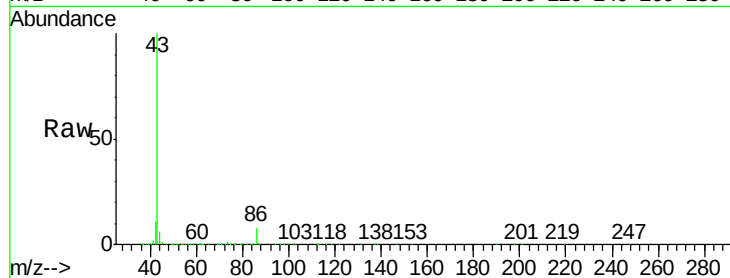
MSVOA_L

ClientSampleId :

ICVVL041218

Tgt Ion: 43 Resp: 1912594

Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.8	8.8
42	10.4	8.5	12.7
44	5.4	4.2	6.4

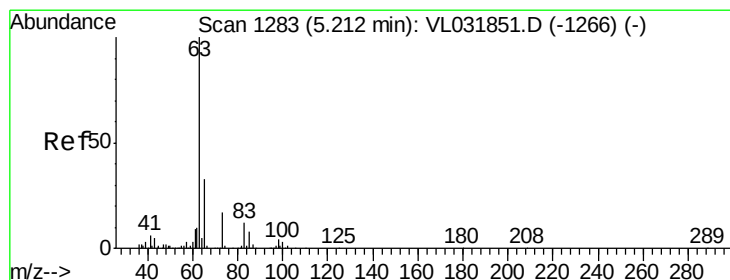
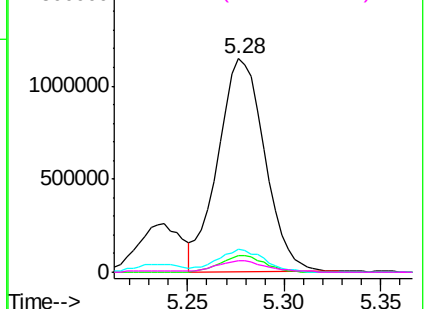
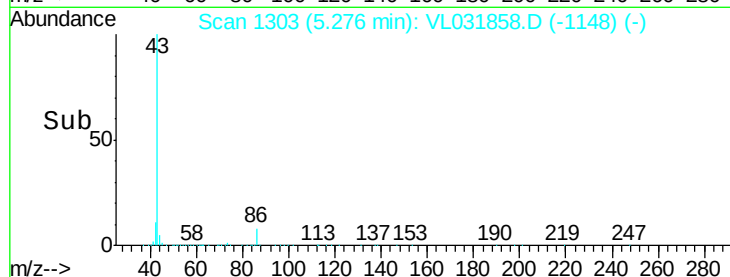


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.29 ppbv

RT: 5.22 min Scan# 1284

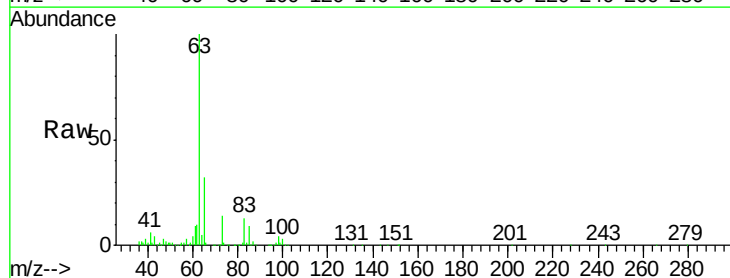
Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 63 Resp: 1796936

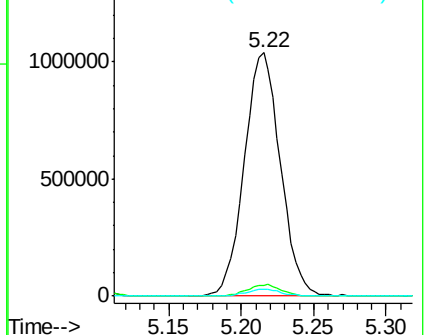
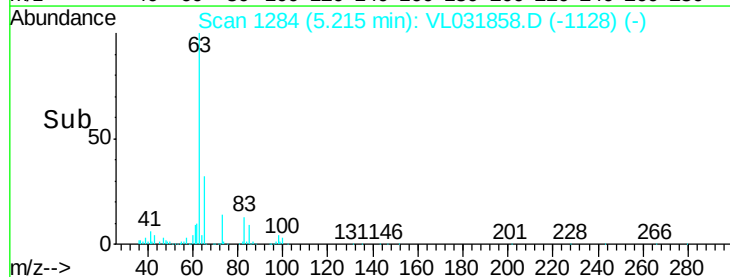
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.4	7.2
100	2.7	1.5	4.4

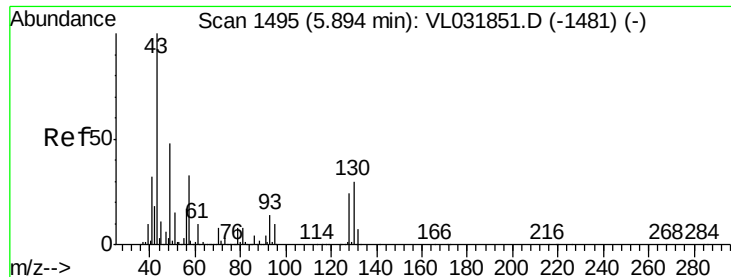


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



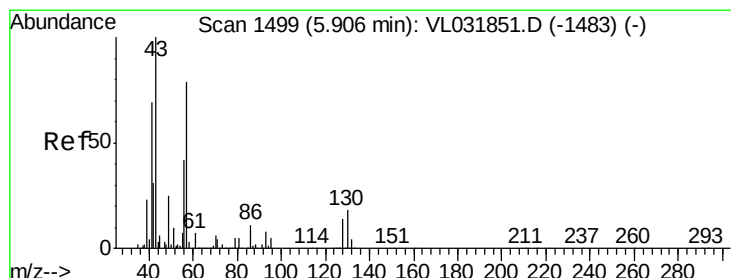
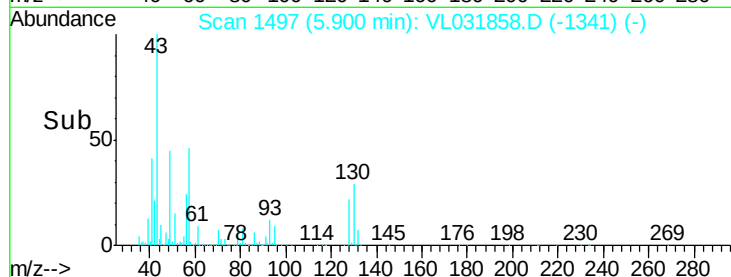
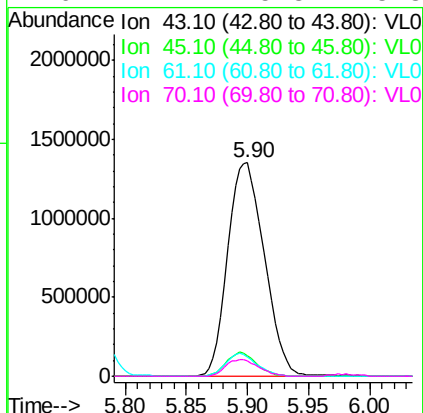
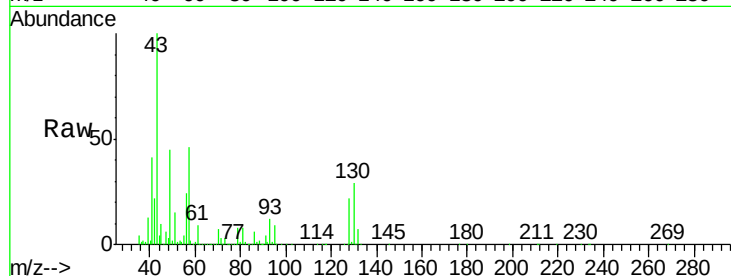


#25
Ethyl Acetate
Concen: 8.44 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

Tgt Ion: 43 Resp: 2827136

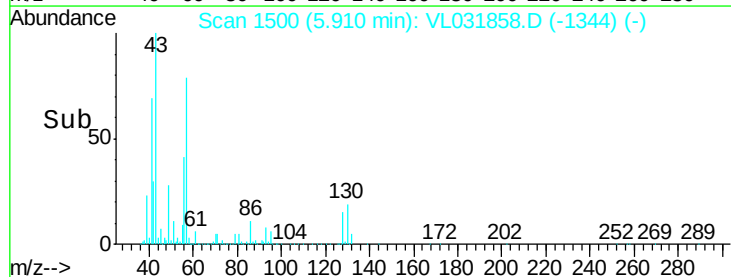
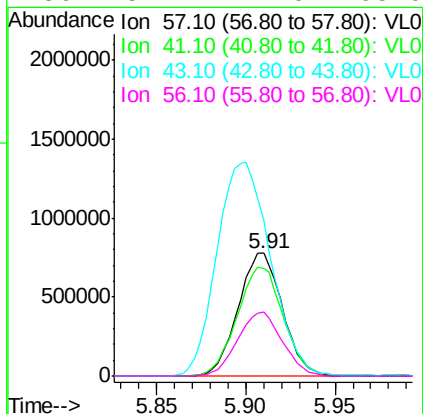
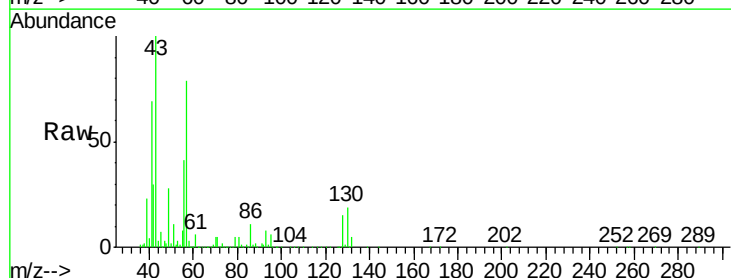
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	9.3	7.2	10.8
70	7.1	5.8	8.8

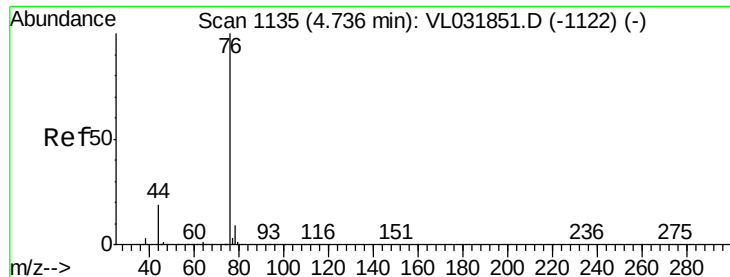


#26
Hexane
Concen: 8.63 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 57 Resp: 1347123

Ion	Ratio	Lower	Upper
57	100		
41	92.6	72.0	108.0
43	210.7	169.8	254.8
56	52.7	42.0	63.0





#27

Carbon Disulfide

Concen: 8.97 ppbv

RT: 4.74 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

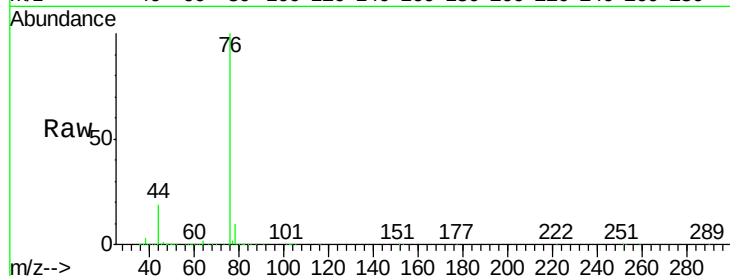
Tgt Ion: 76 Resp: 1817105

Ion Ratio Lower Upper

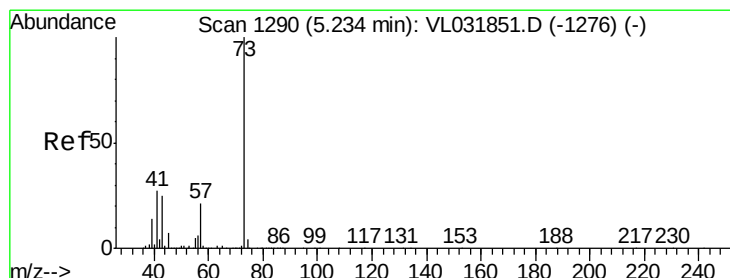
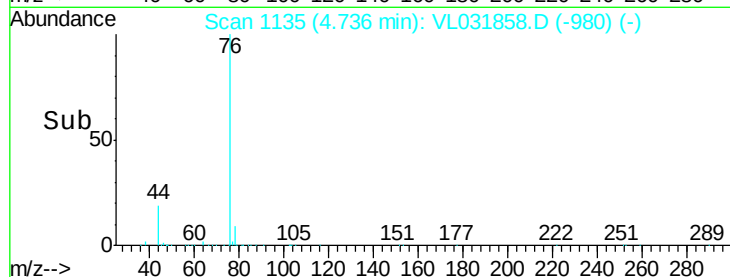
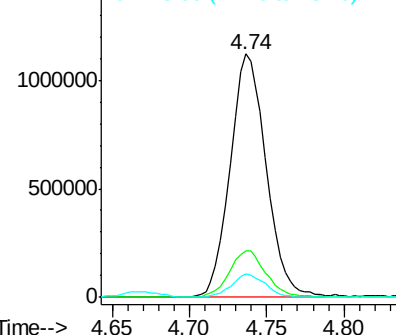
76 100

44 19.6 15.6 23.4

78 9.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.87 ppbv

RT: 5.24 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VL031858.D

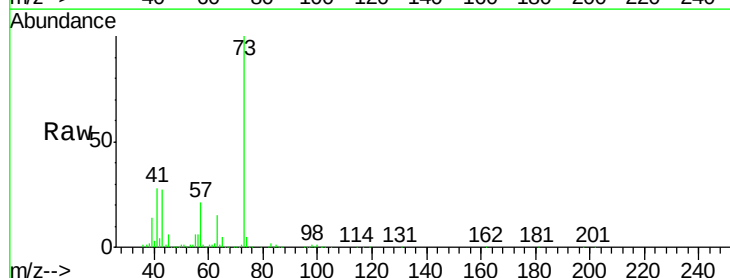
Acq: 12 Apr 2018 5:26

Tgt Ion: 73 Resp: 1703983

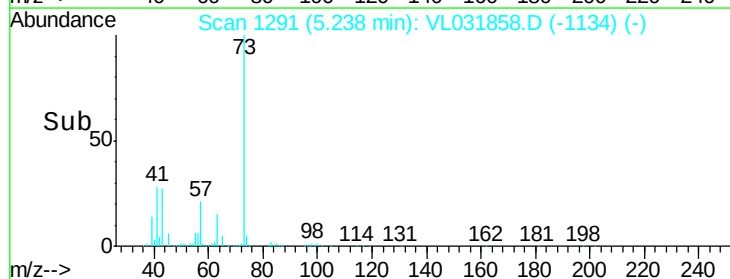
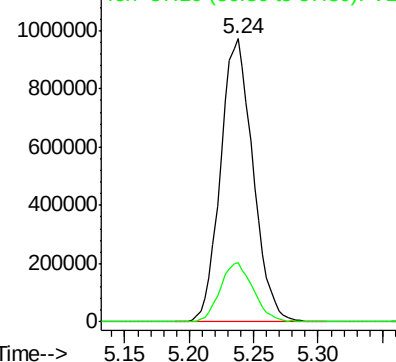
Ion Ratio Lower Upper

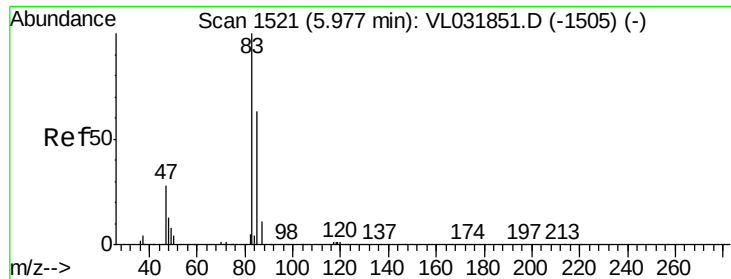
73 100

57 21.6 17.6 26.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

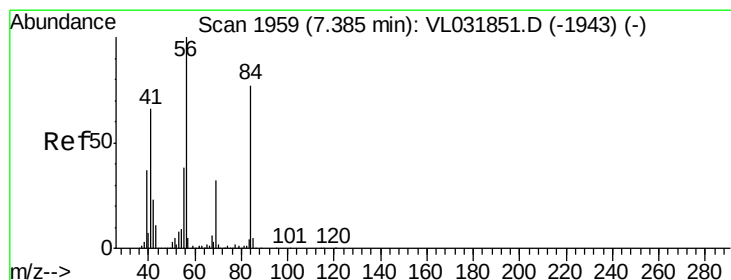
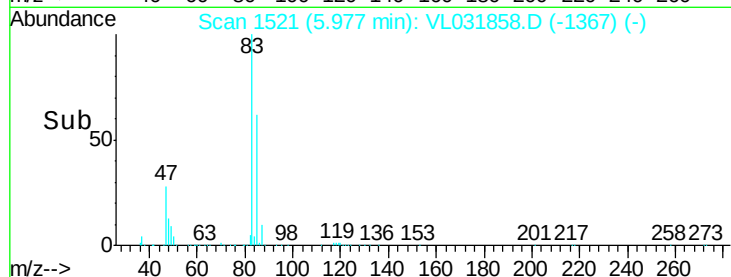
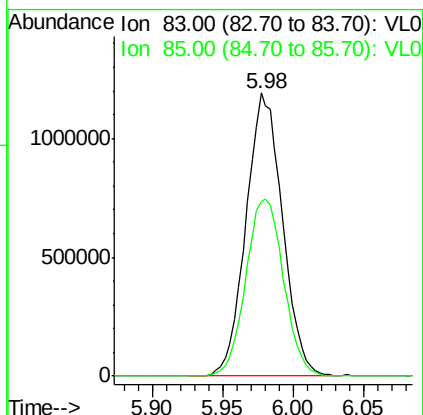
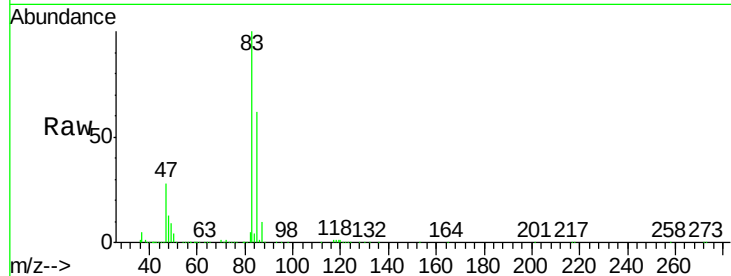




#29
Chloroform
Concen: 8.17 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

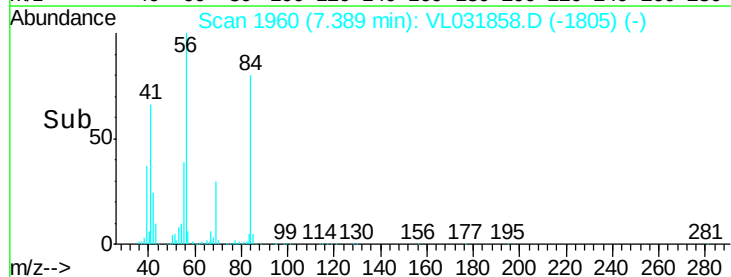
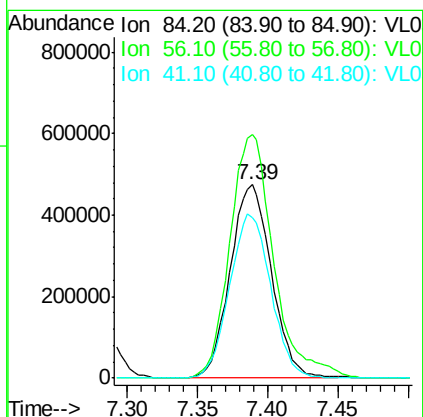
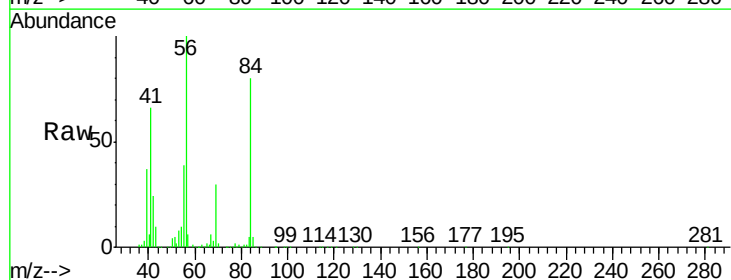
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

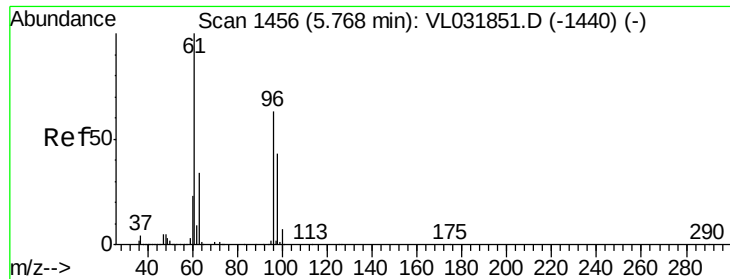
Tgt Ion: 83 Resp: 2161750
Ion Ratio Lower Upper
83 100
85 61.8 51.4 77.0



#30
Cyclohexane
Concen: 8.64 ppbv
RT: 7.39 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 84 Resp: 963647
Ion Ratio Lower Upper
84 100
56 135.1 107.7 161.5
41 85.6 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 8.80 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

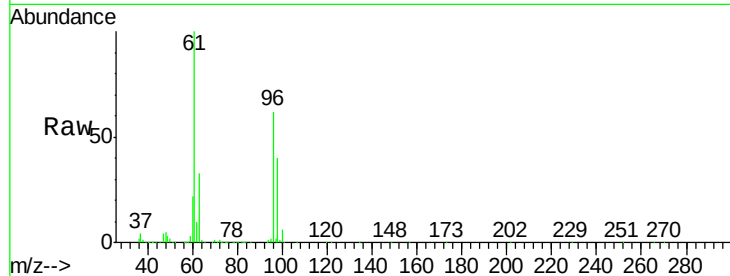
Tgt Ion: 61 Resp: 1245130

Ion Ratio Lower Upper

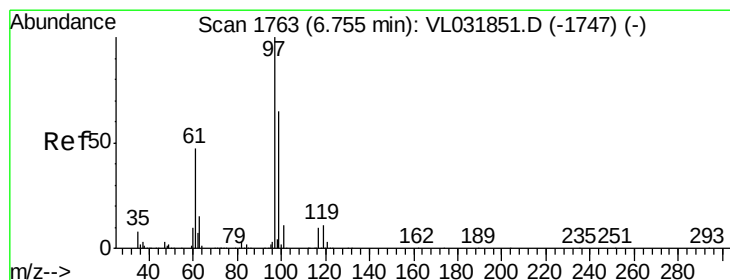
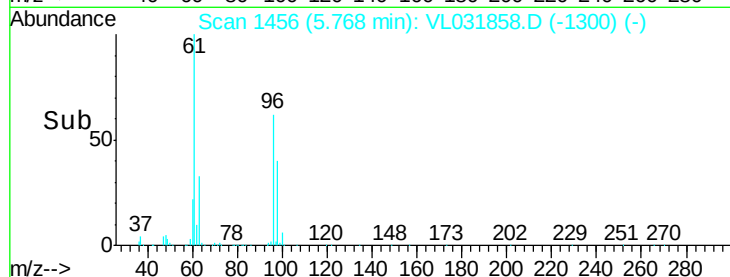
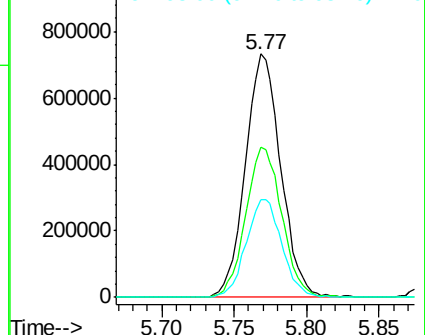
61 100

96 61.6 47.6 71.4

98 40.2 30.3 45.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 7.70 ppbv

RT: 6.76 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

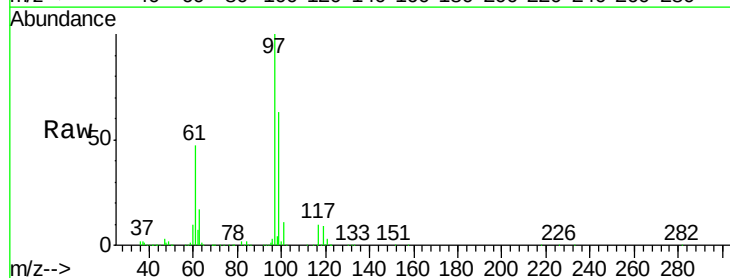
Tgt Ion: 97 Resp: 1984375

Ion Ratio Lower Upper

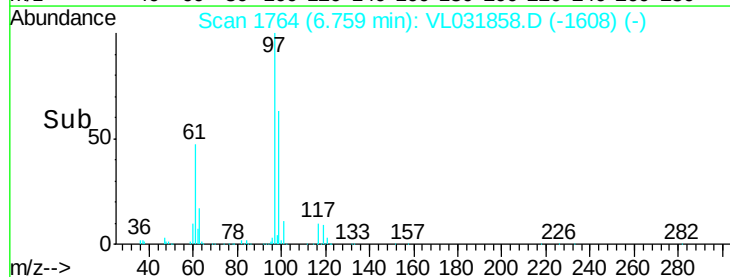
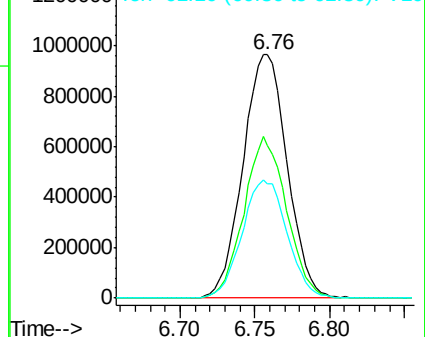
97 100

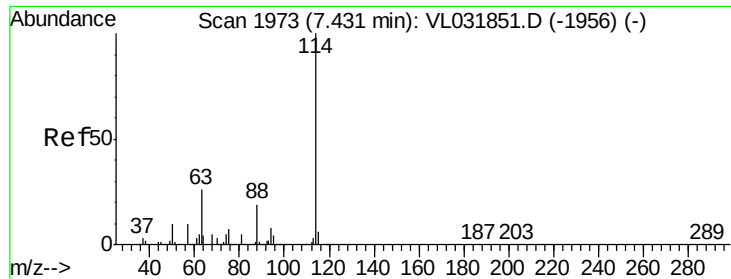
99 63.9 51.5 77.3

61 49.6 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

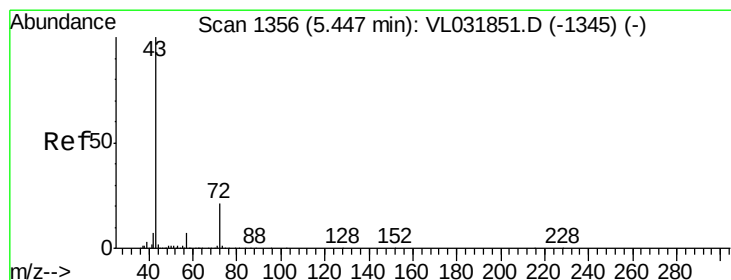
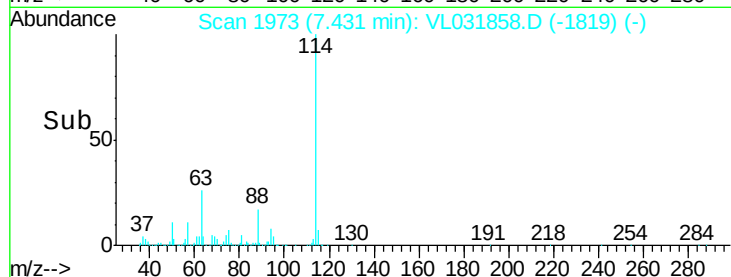
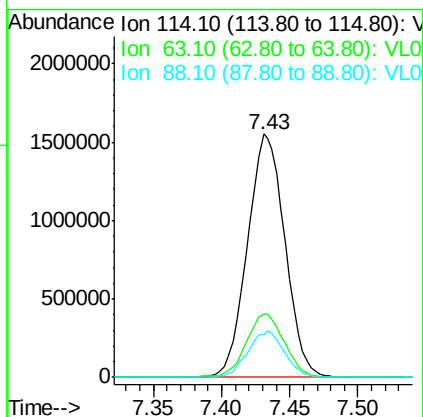
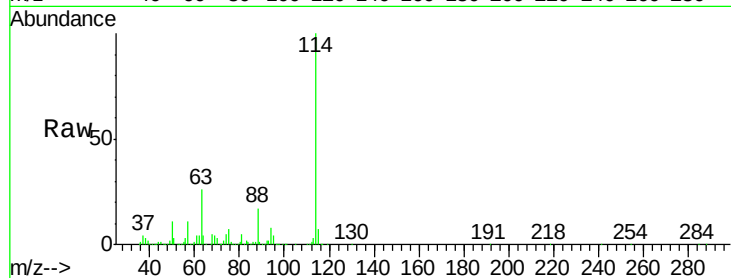




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.43 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

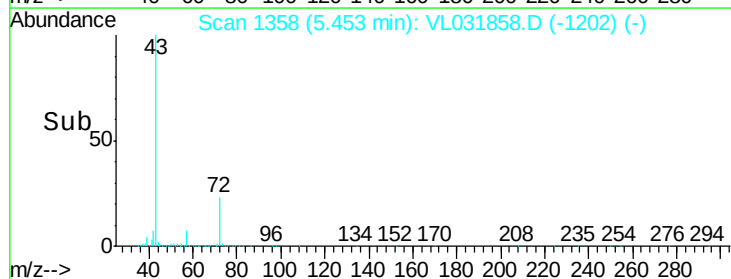
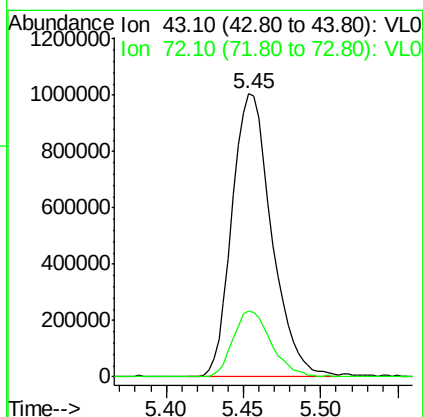
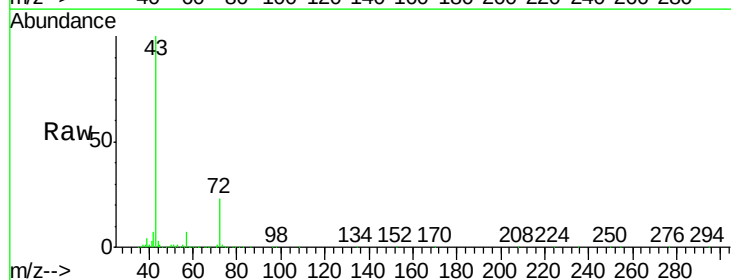
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

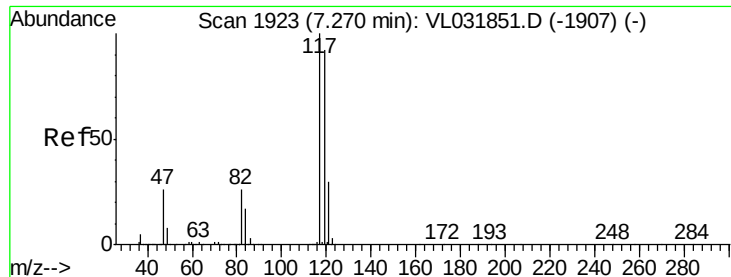
Tgt Ion: 114 Resp: 2947375
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.8 32.6
 88 18.5 14.6 22.0



#34
 2-Butanone
 Concen: 8.73 ppbv
 RT: 5.45 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 43 Resp: 1785952
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.6 27.8





#35

Carbon Tetrachloride

Concen: 7.98 ppbv

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

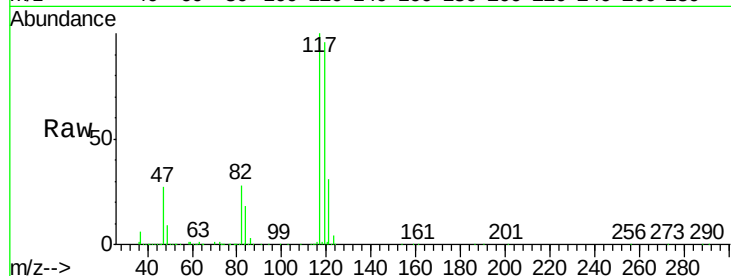
Tgt Ion:117 Resp: 2041536

Ion Ratio Lower Upper

117 100

119 96.3 76.9 115.3

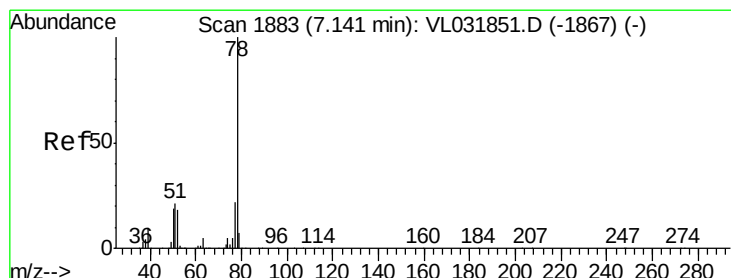
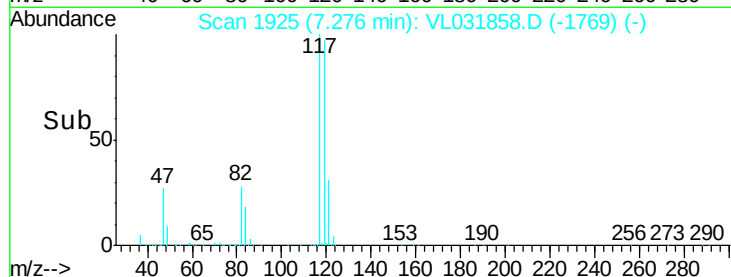
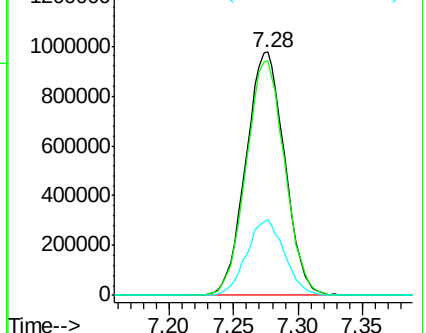
121 31.0 24.5 36.7



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: 8.77 ppbv

RT: 7.14 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

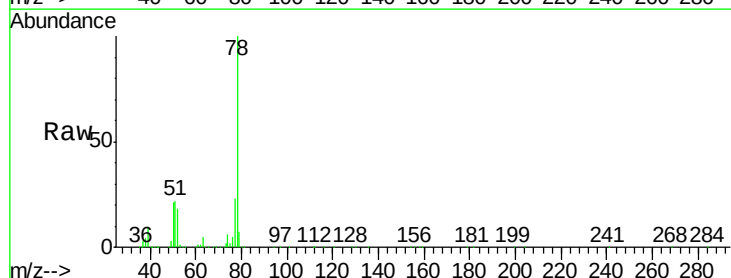
Tgt Ion: 78 Resp: 2325473

Ion Ratio Lower Upper

78 100

77 22.7 19.2 28.8

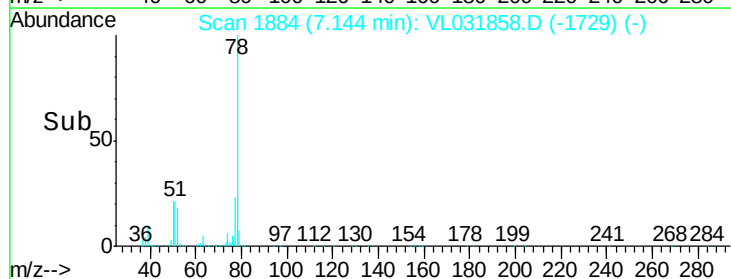
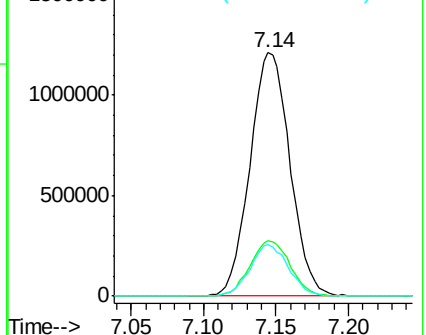
50 21.1 16.7 25.1

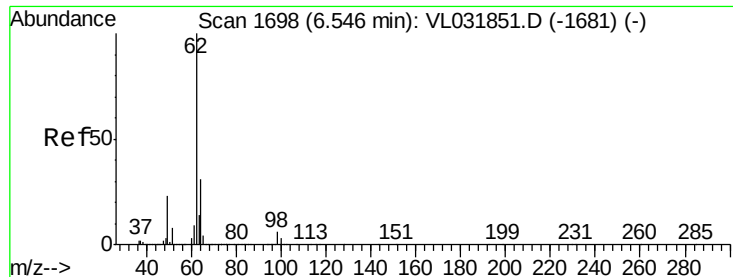


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

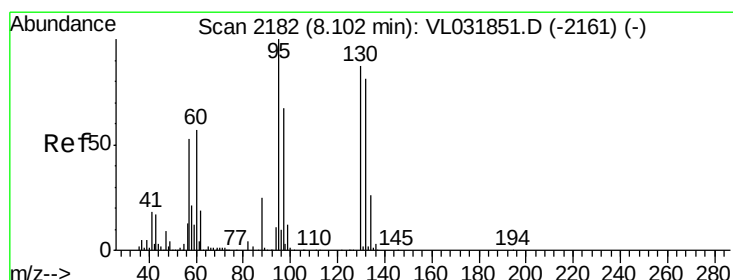
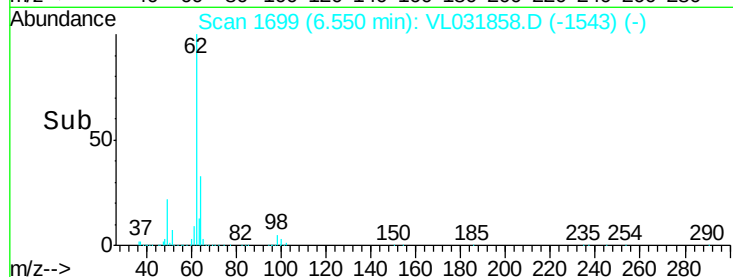
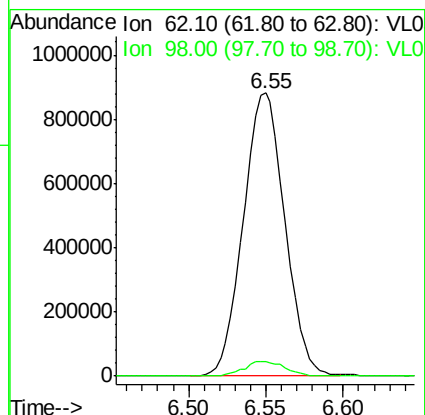
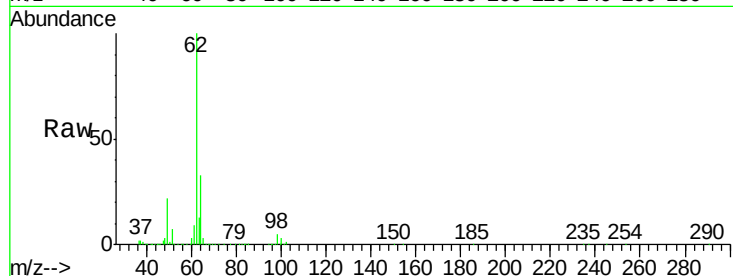




#37
 1,2-Dichloroethane
 Concen: 8.32 ppbv
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

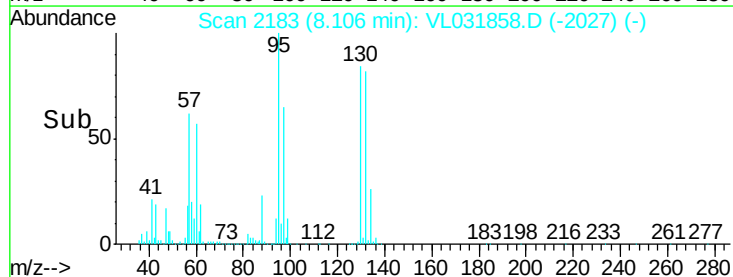
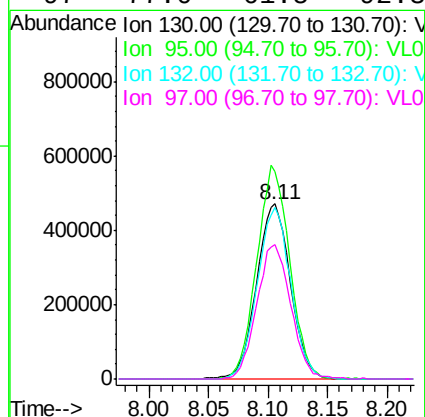
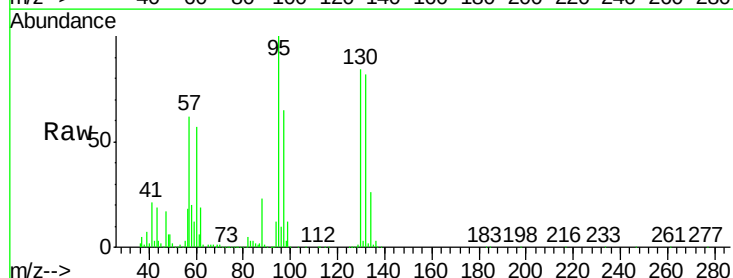
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

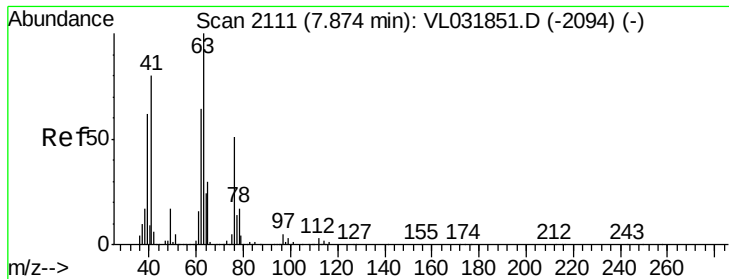
Tgt Ion: 62 Resp: 1642039
 Ion Ratio Lower Upper
 62 100
 98 5.3 4.0 6.0



#38
 Trichloroethene
 Concen: 8.61 ppbv
 RT: 8.11 min Scan# 2183
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 130 Resp: 926320
 Ion Ratio Lower Upper
 130 100
 95 118.5 96.6 144.8
 132 97.7 79.1 118.7
 97 77.0 61.5 92.3

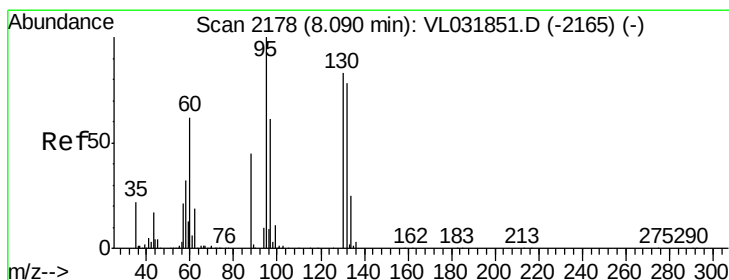
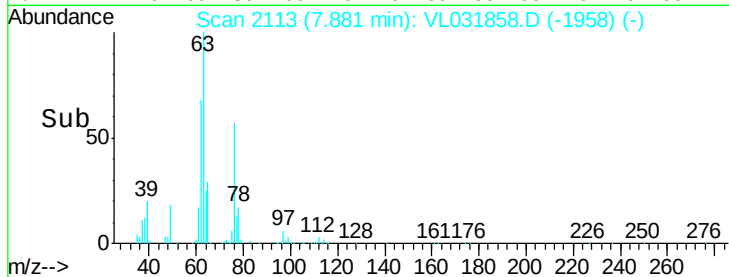
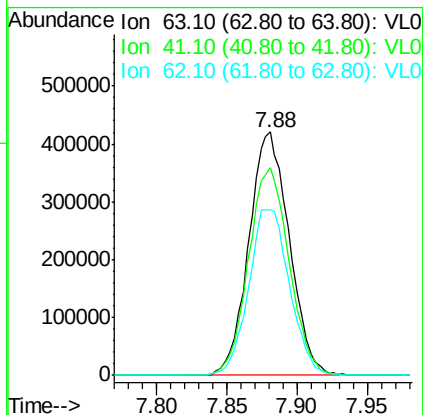
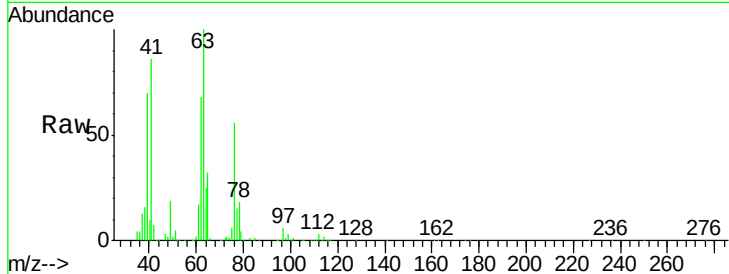




#39
 1,2-Dichloropropane
 Concen: 8.54 ppbv
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

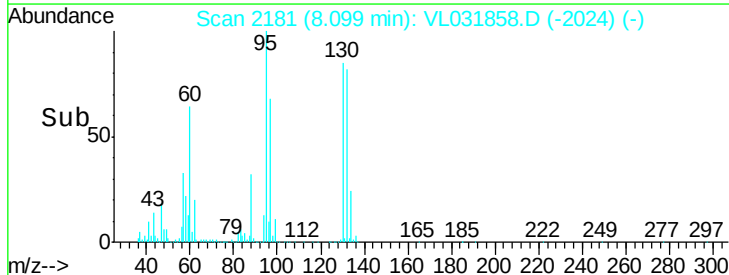
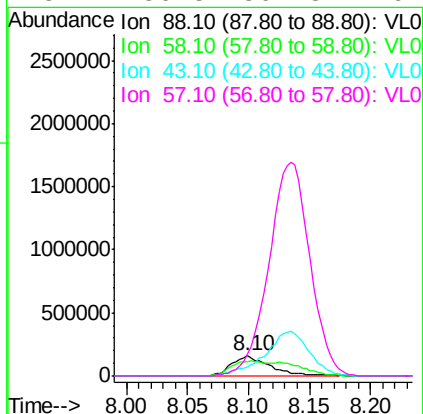
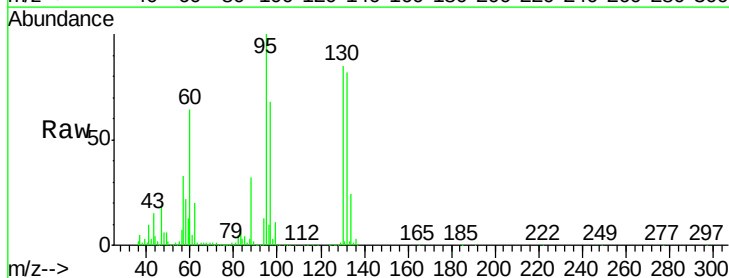
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

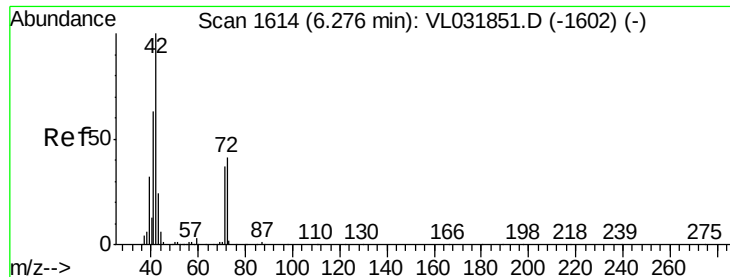
Tgt Ion: 63 Resp: 841789
 Ion Ratio Lower Upper
 63 100
 41 85.6 65.8 98.6
 62 67.8 55.0 82.6



#40
 1,4-Dioxane
 Concen: 8.68 ppbv
 RT: 8.10 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 88 Resp: 347079
 Ion Ratio Lower Upper
 88 100
 58 127.9 98.5 147.7
 43 261.5 194.3 291.5
 57 1150.8 861.8 1292.6

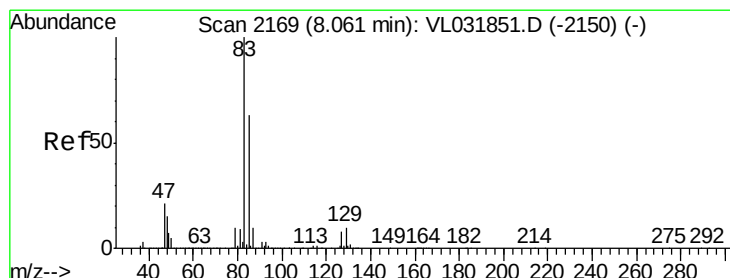
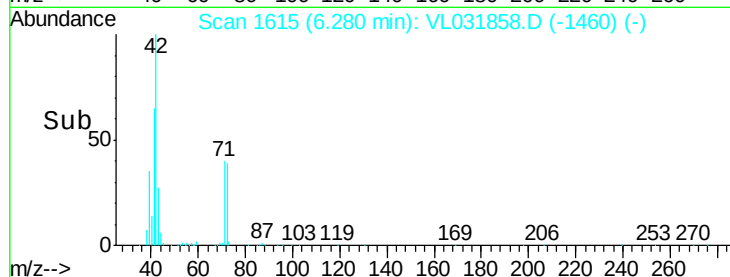
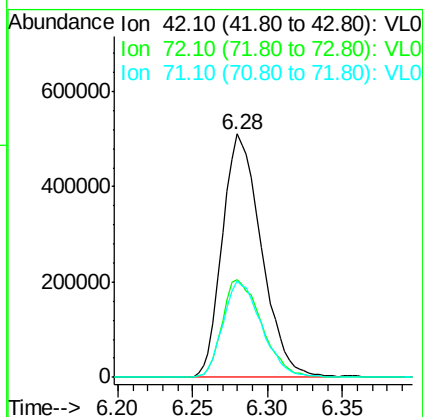
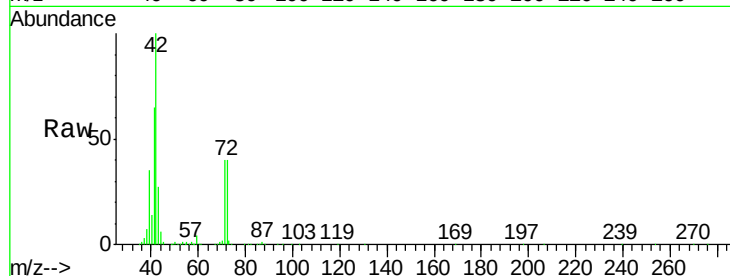




#41
Tetrahydrofuran
Concen: 9.75 ppbv
RT: 6.28 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

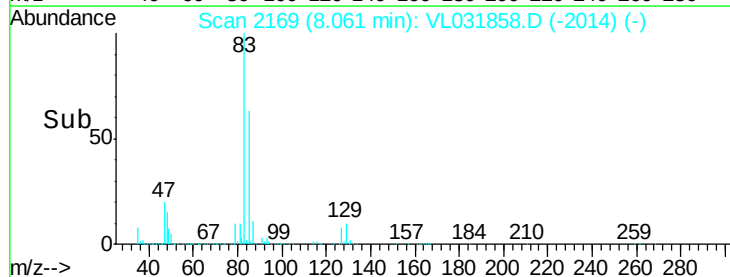
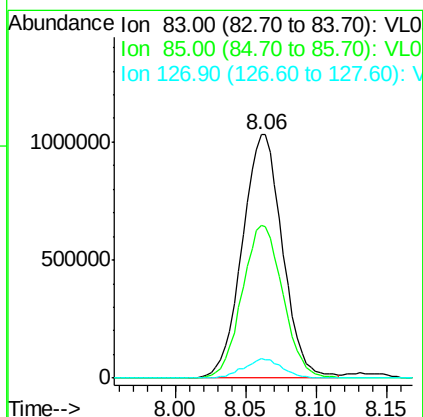
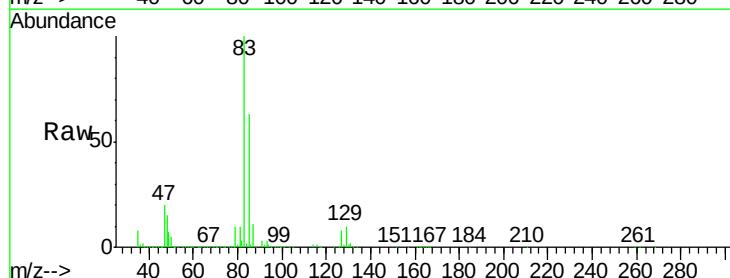
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

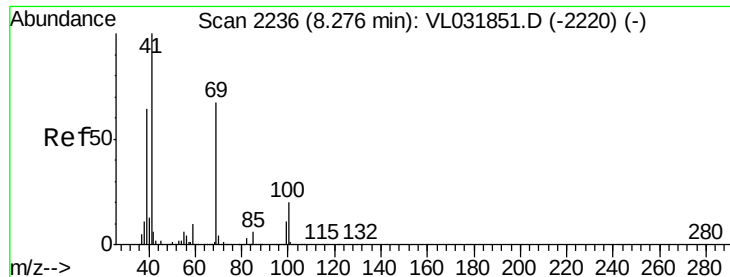
Tgt Ion: 42 Resp: 922352
Ion Ratio Lower Upper
42 100
72 41.0 33.2 49.8
71 39.3 31.5 47.3



#42
Bromodichloromethane
Concen: 8.70 ppbv
RT: 8.06 min Scan# 2169
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 83 Resp: 2053740
Ion Ratio Lower Upper
83 100
85 62.8 50.5 75.7
127 8.0 6.0 9.0

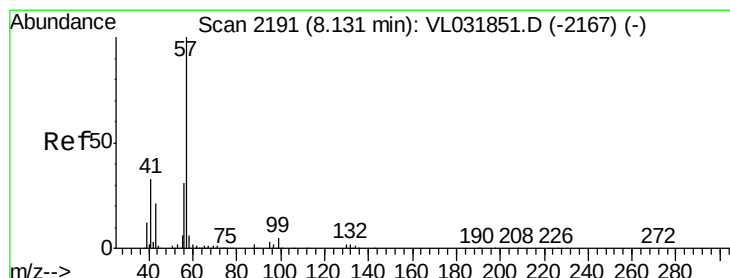
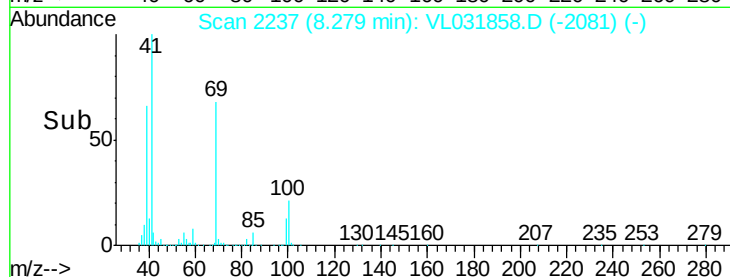
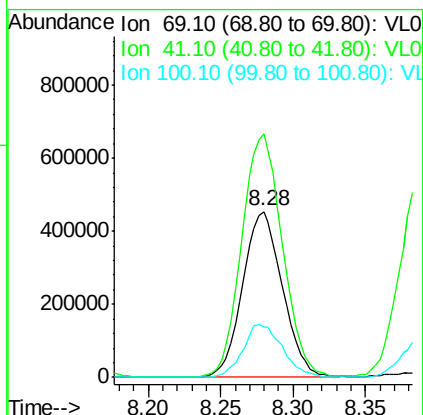
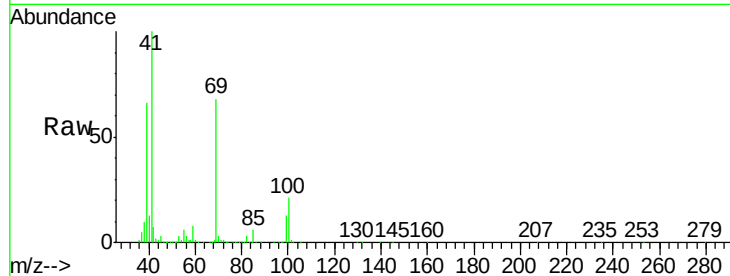




#43
Methyl Methacrylate
Concen: 9.31 ppbv
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

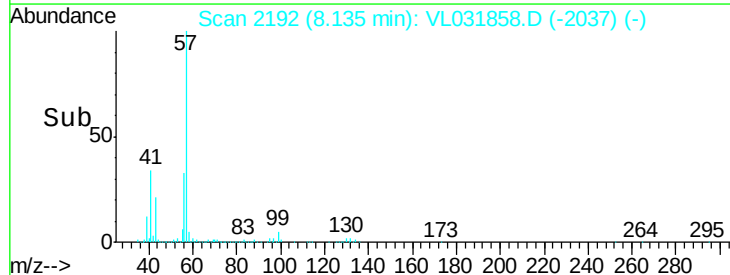
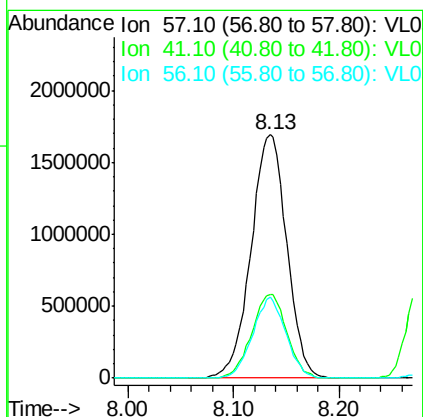
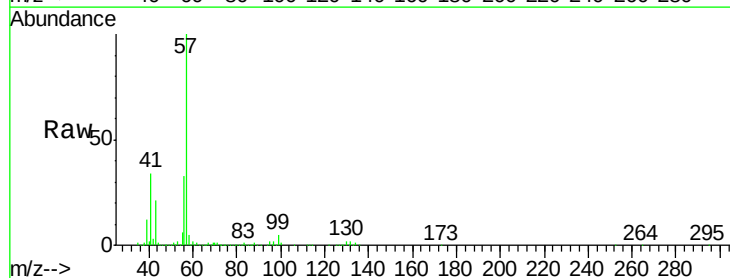
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

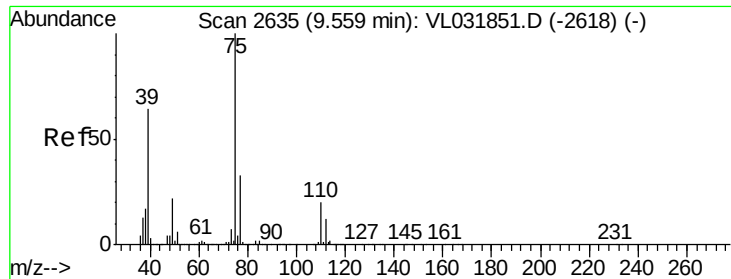
Tgt Ion: 69 Resp: 868391
Ion Ratio Lower Upper
69 100
41 149.8 117.8 176.8
100 31.8 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 8.74 ppbv
RT: 8.13 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 57 Resp: 3989559
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.6
56 31.0 24.1 36.1

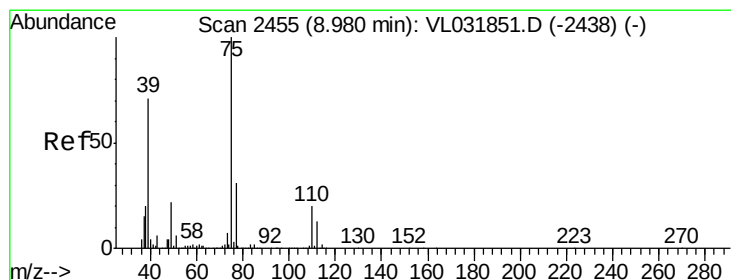
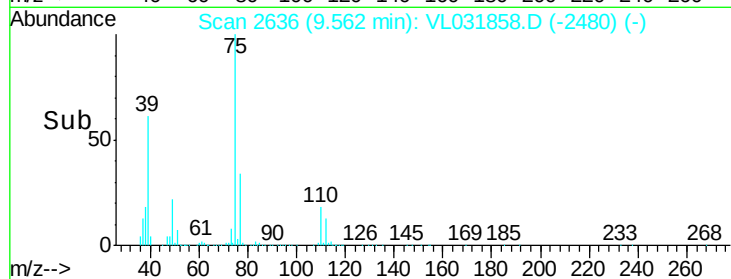
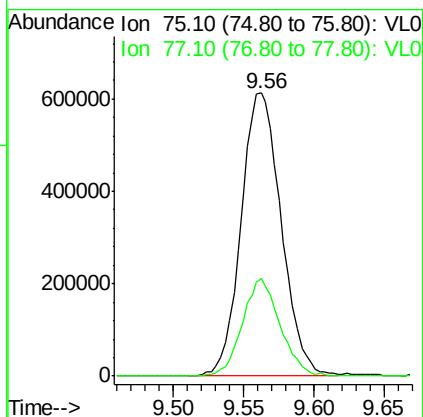
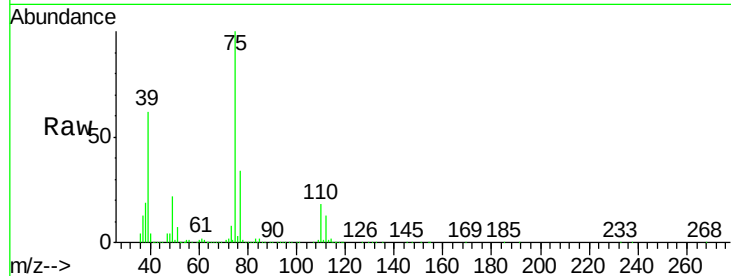




#45
 t-1,3-Dichloropropene
 Concen: 10.09 ppbv
 RT: 9.56 min Scan# 2636
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

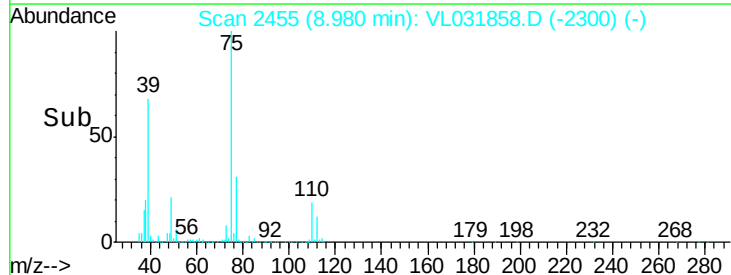
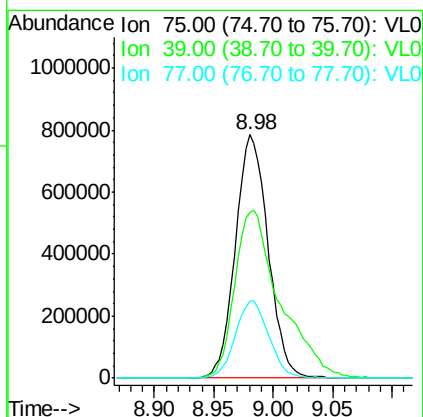
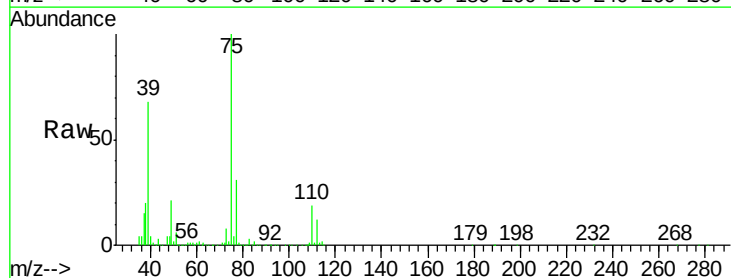
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

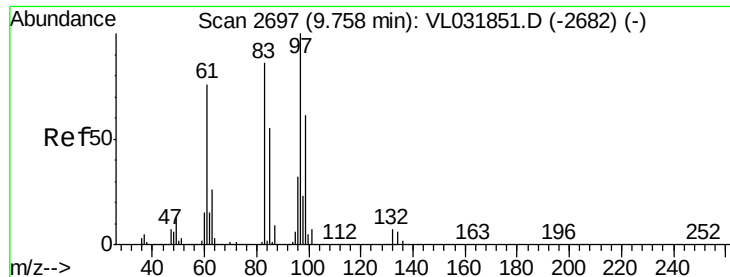
Tgt Ion: 75 Resp: 1221184
 Ion Ratio Lower Upper
 75 100
 77 34.4 25.1 37.7



#46
 cis-1,3-Dichloropropene
 Concen: 9.65 ppbv
 RT: 8.98 min Scan# 2455
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 75 Resp: 1491998
 Ion Ratio Lower Upper
 75 100
 39 68.1 58.6 87.8
 77 31.5 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 8.47 ppbv

RT: 9.76 min Scan# 2698

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tgt Ion: 97 Resp: 992370

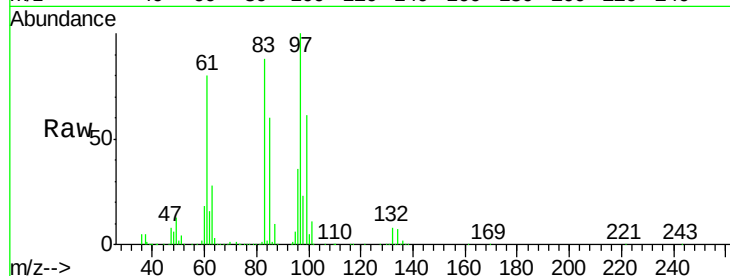
Ion Ratio Lower Upper

97 100

83 87.4 69.1 103.7

85 59.3 43.7 65.5

99 60.7 49.4 74.2

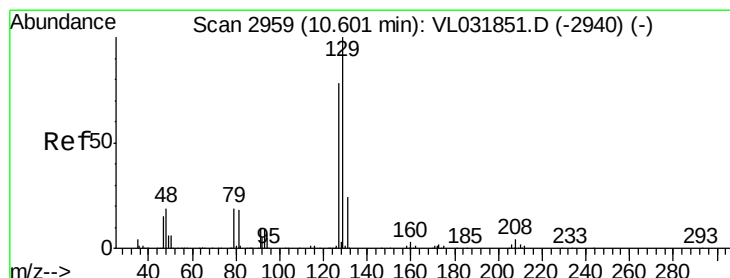
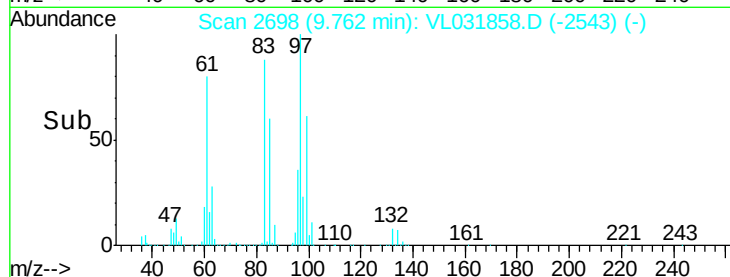
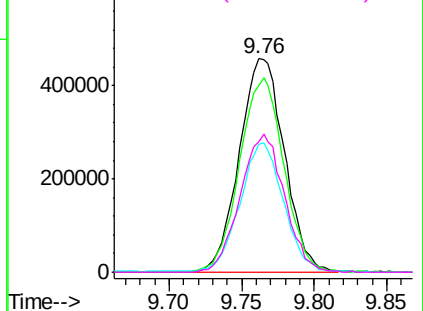


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.02 ppbv

RT: 10.60 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VL031858.D

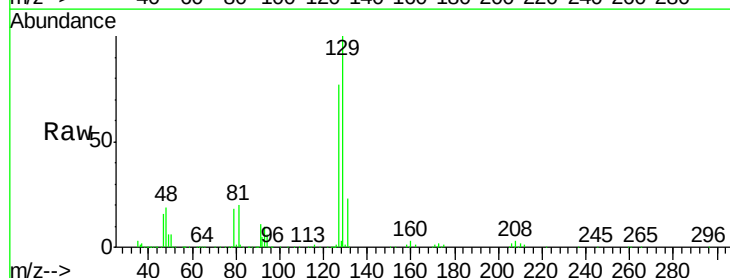
Acq: 12 Apr 2018 5:26

Tgt Ion: 129 Resp: 1707084

Ion Ratio Lower Upper

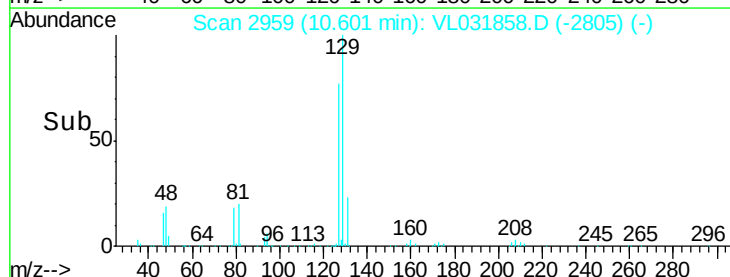
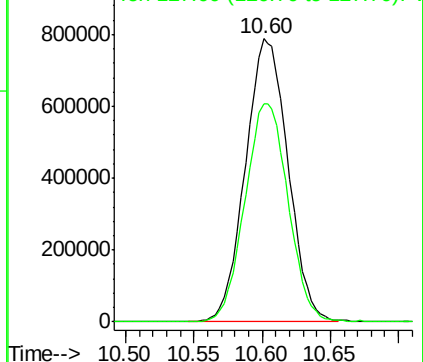
129 100

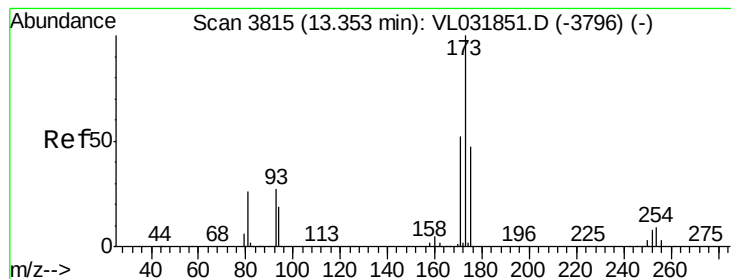
127 78.3 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.04 ppbv

RT: 13.36 min Scan# 3816

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

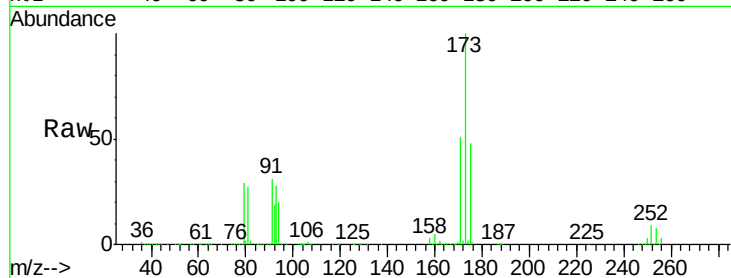
Tgt Ion:173 Resp: 1318005

Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.6

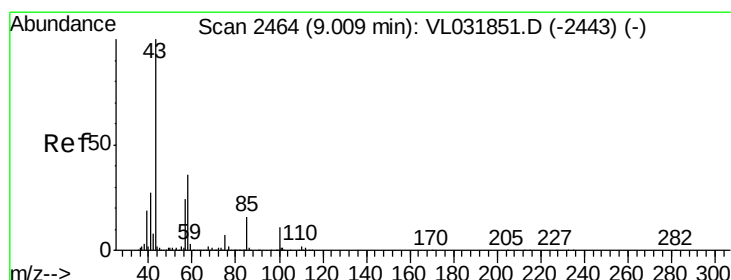
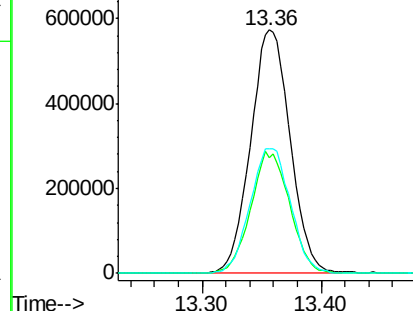
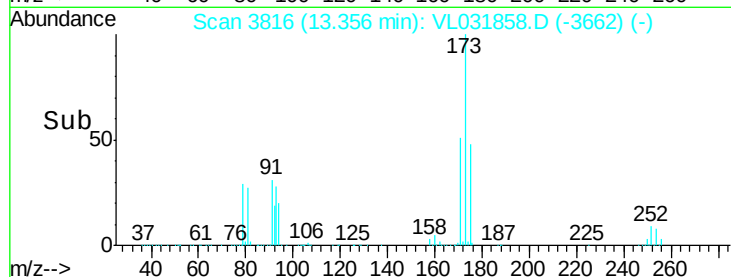
171 52.5 41.4 62.0



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: 8.77 ppbv

RT: 9.01 min Scan# 2465

Delta R.T. -0.00 min

Lab File: VL031858.D

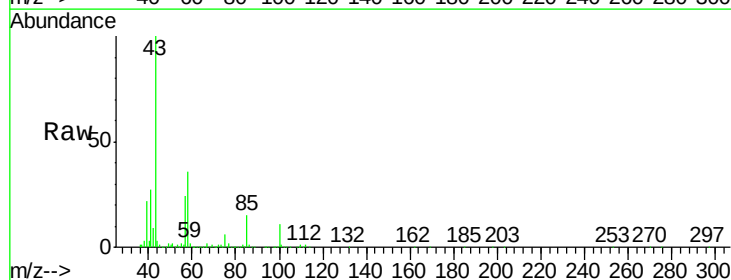
Acq: 12 Apr 2018 5:26

Tgt Ion: 43 Resp: 2053464

Ion Ratio Lower Upper

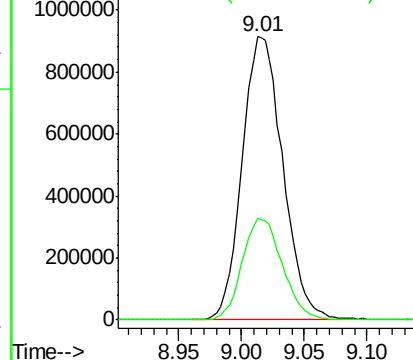
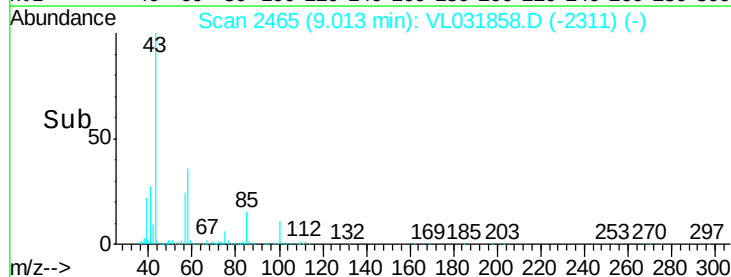
43 100

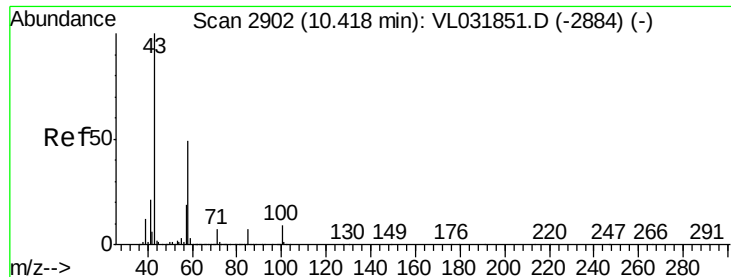
58 35.6 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.97 ppbv

RT: 10.42 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

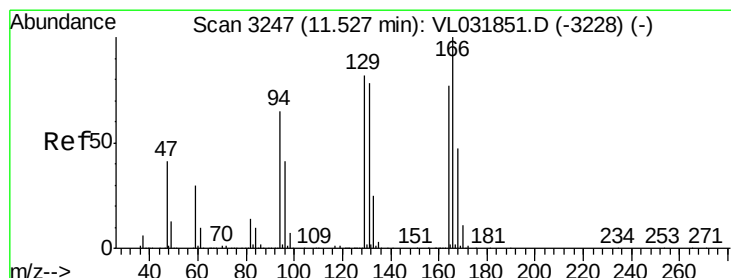
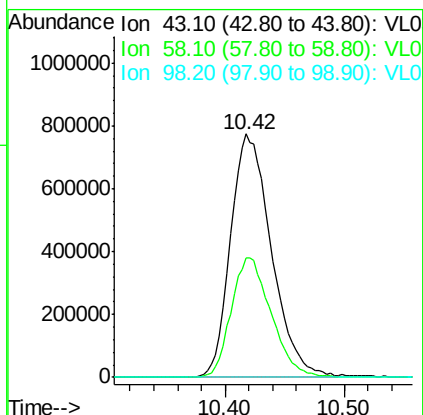
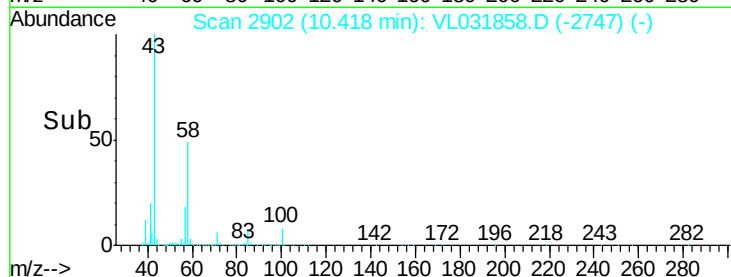
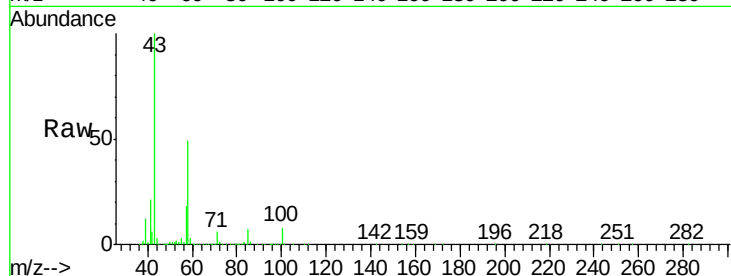
Tgt Ion: 43 Resp: 1835860

Ion Ratio Lower Upper

43 100

58 48.2 38.5 57.7

98 0.5 0.2 0.4#



#52

Tetrachloroethene

Concen: 8.48 ppbv

RT: 11.52 min Scan# 3246

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 164 Resp: 876095

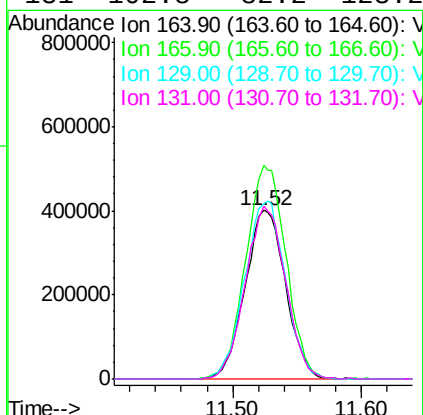
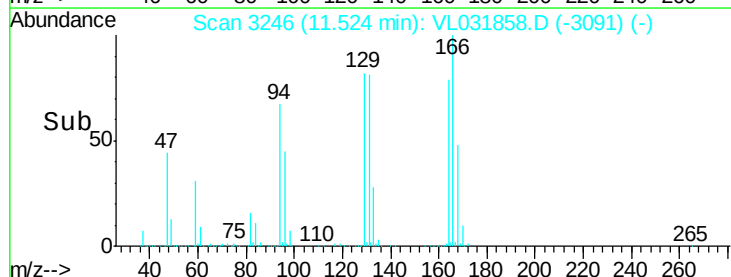
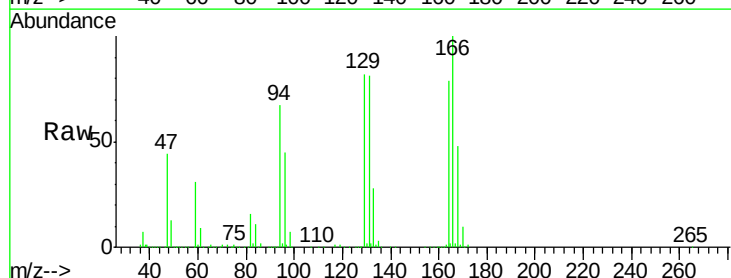
Ion Ratio Lower Upper

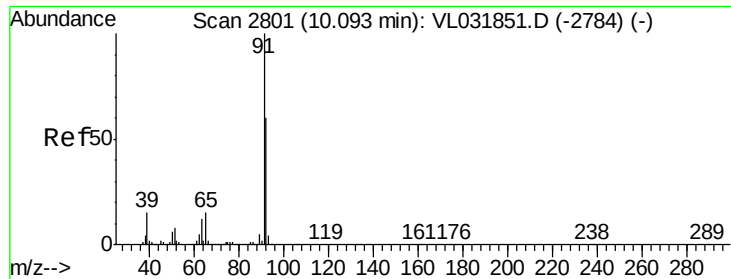
164 100

166 126.8 98.2 147.4

129 104.3 86.5 129.7

131 102.8 82.2 123.2





#53

Toluene

Concen: 9.47 ppbv

RT: 10.10 min Scan# 2802

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

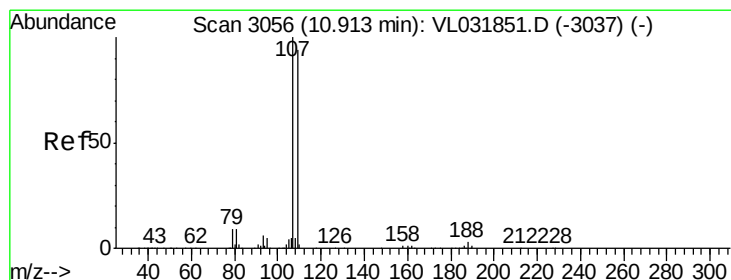
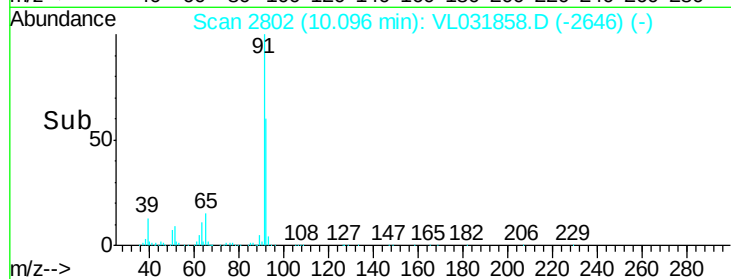
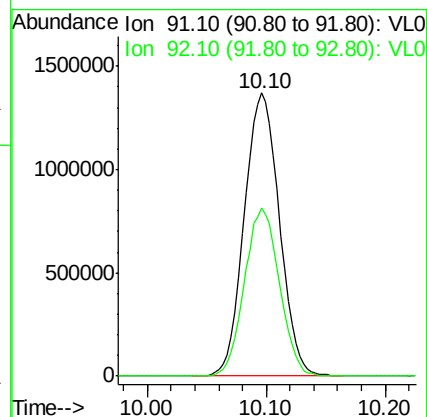
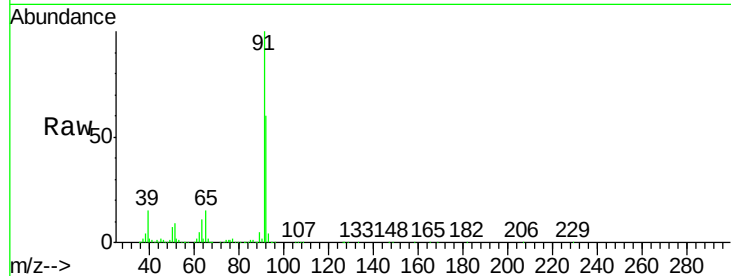
ICVVL041218

Tgt Ion: 91 Resp: 2799335

Ion Ratio Lower Upper

91 100

92 59.1 47.4 71.2



#54

1,2-Dibromoethane

Concen: 8.87 ppbv

RT: 10.91 min Scan# 3056

Delta R.T. 0.00 min

Lab File: VL031858.D

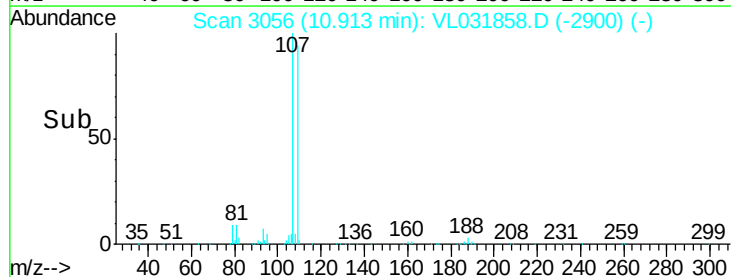
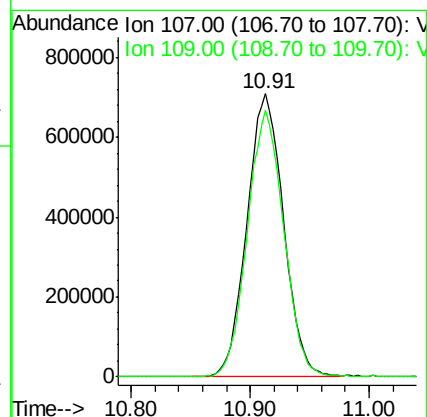
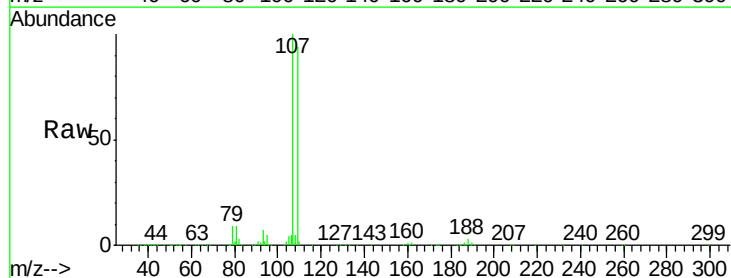
Acq: 12 Apr 2018 5:26

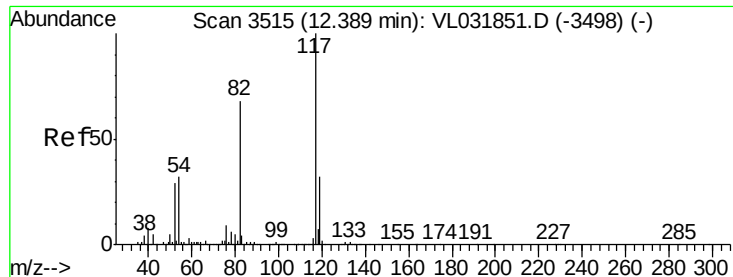
Tgt Ion: 107 Resp: 1508627

Ion Ratio Lower Upper

107 100

109 94.3 74.6 112.0





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.40 min Scan# 3517

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

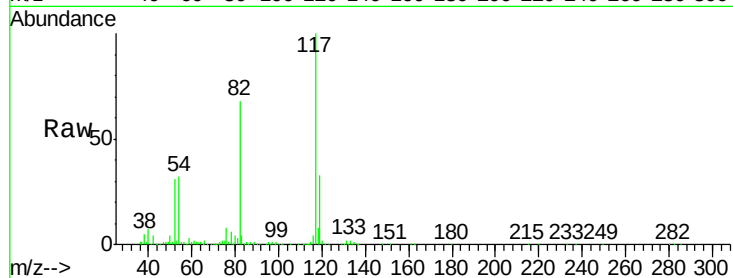
Tgt Ion:117 Resp: 3096024

Ion Ratio Lower Upper

117 100

82 65.3 54.6 81.8

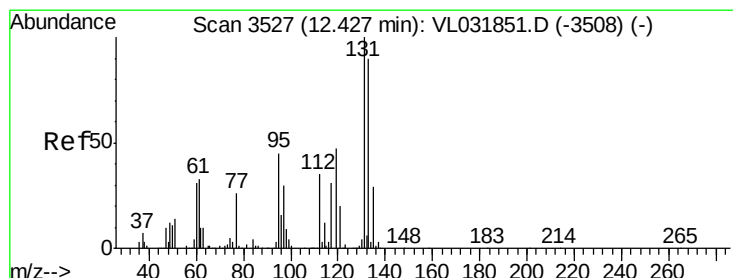
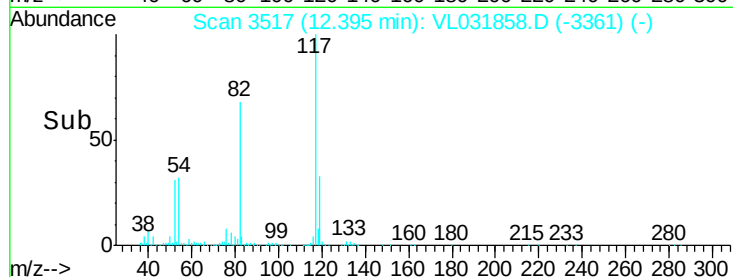
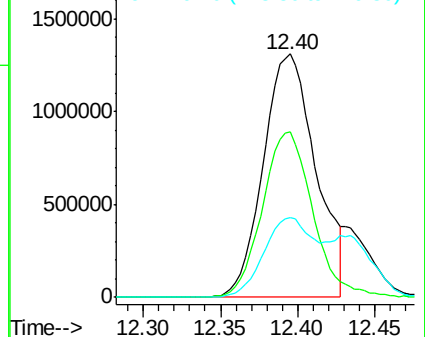
119 52.8 26.0 39.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.09 ppbv

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

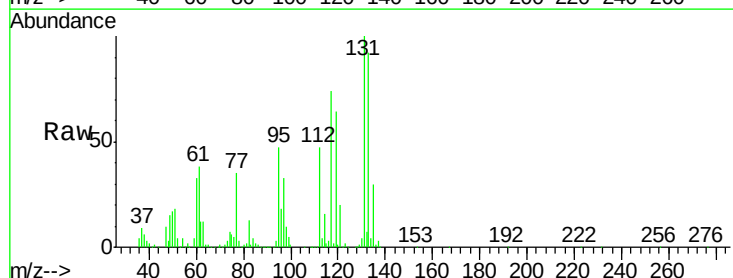
Tgt Ion:131 Resp: 1178260

Ion Ratio Lower Upper

131 100

133 94.6 76.1 114.1

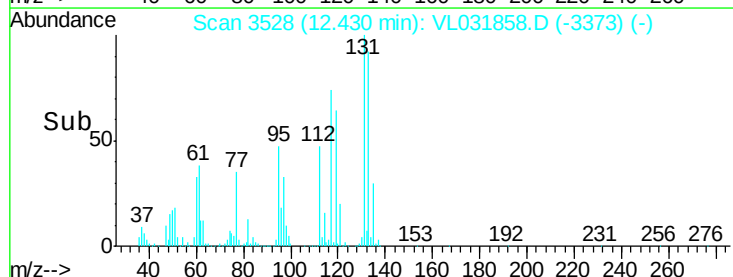
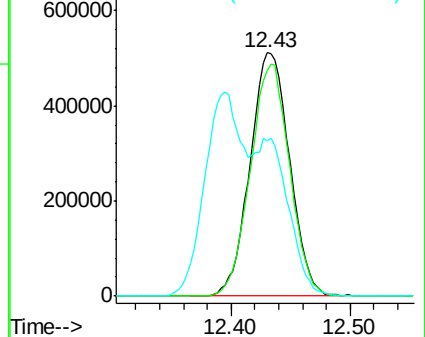
119 139.1 106.3 159.5

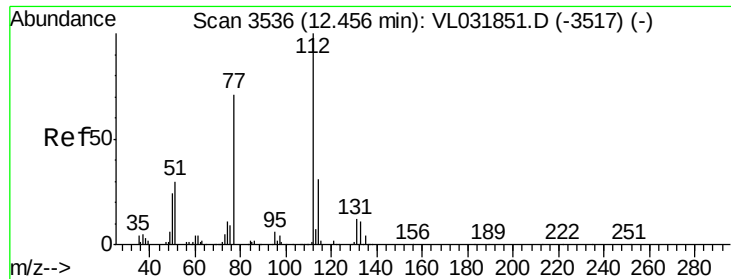


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.00 ppbv

RT: 12.46 min Scan# 3536

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

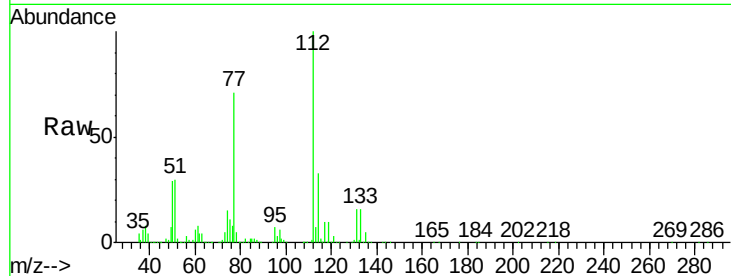
Tgt Ion: 112 Resp: 2100841

Ion Ratio Lower Upper

112 100

77 71.1 57.0 85.6

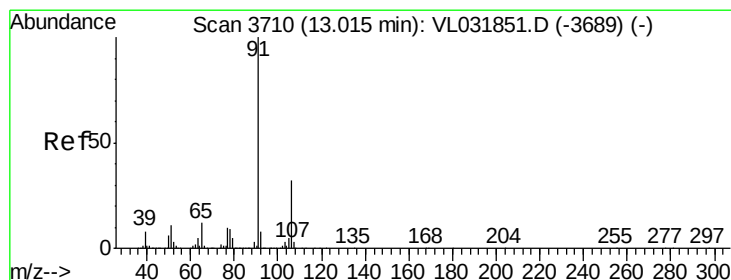
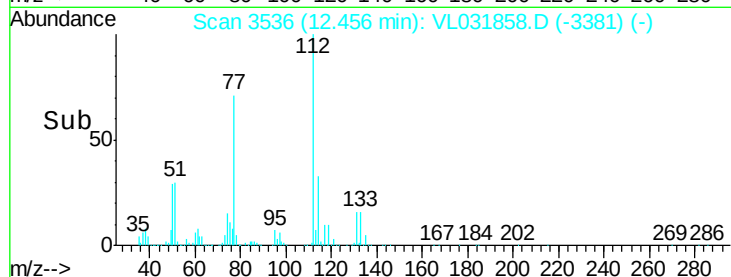
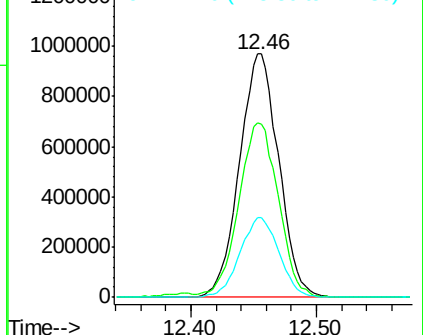
114 32.9 28.5 34.9



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: 9.02 ppbv

RT: 13.02 min Scan# 3710

Delta R.T. -0.00 min

Lab File: VL031858.D

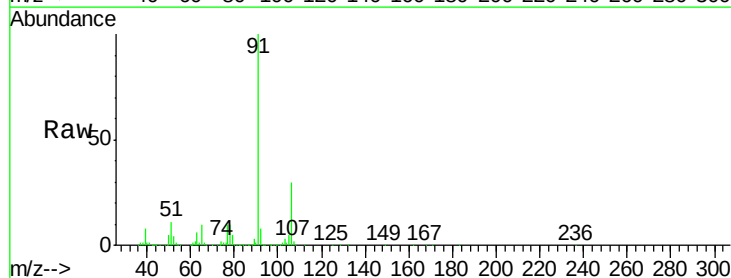
Acq: 12 Apr 2018 5:26

Tgt Ion: 91 Resp: 3878081

Ion Ratio Lower Upper

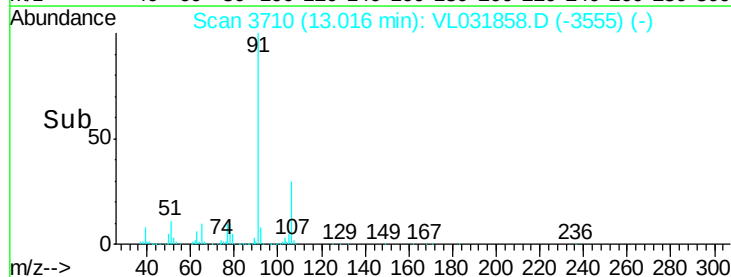
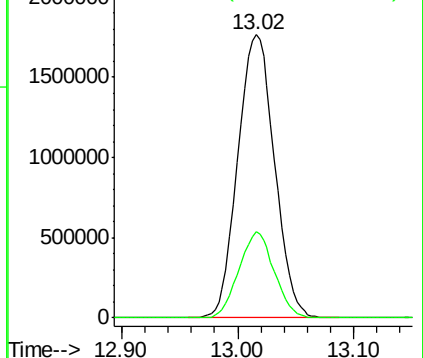
91 100

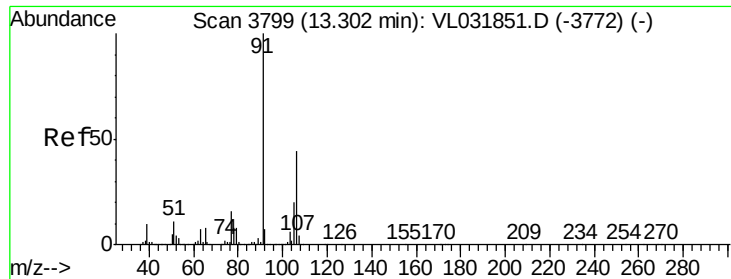
106 30.5 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

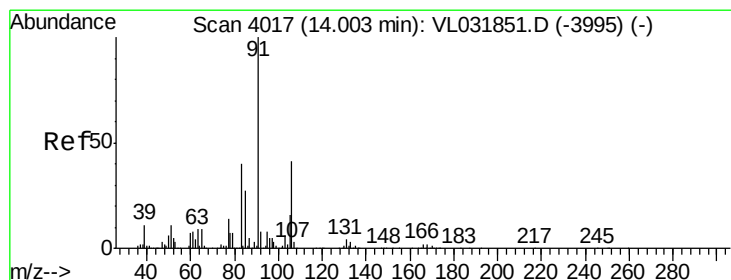
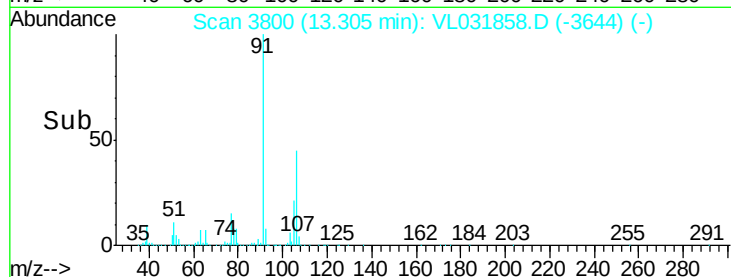
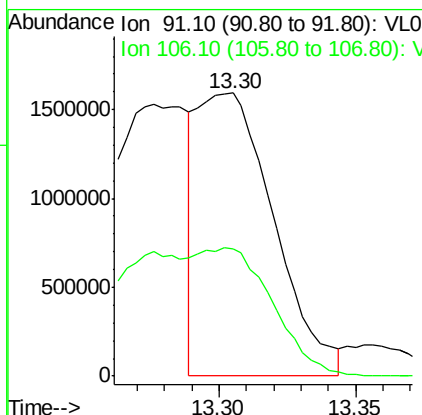
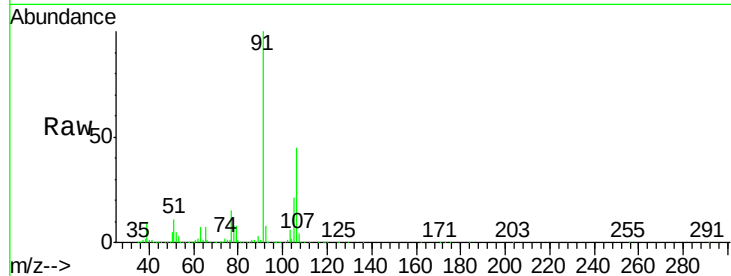




#59
m/p-Xylene
Concen: 8.22 ppbv
RT: 13.30 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

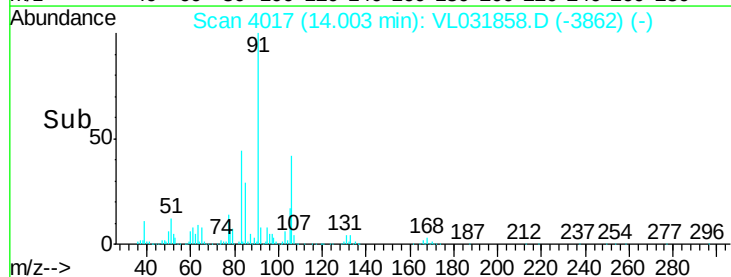
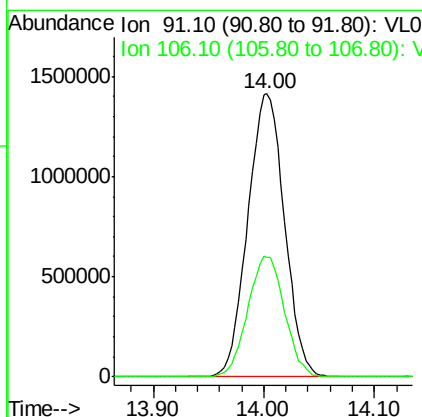
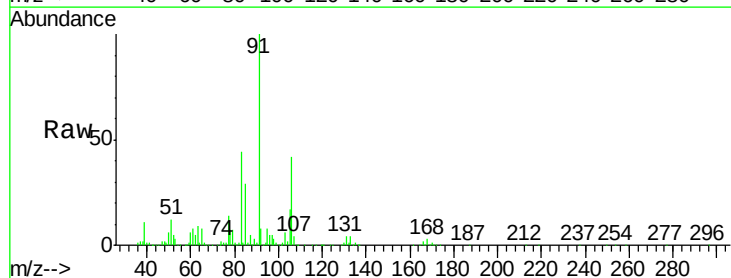
Instrument :
MSVOA_L
ClientSampleId :
ICVVL041218

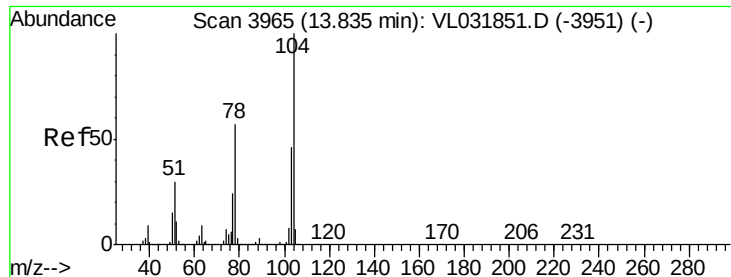
Tgt Ion: 91 Resp: 3069433
Ion Ratio Lower Upper
91 100
106 91.9 35.5 53.3#



#60
o-Xylene
Concen: 8.74 ppbv
RT: 14.00 min Scan# 4017
Delta R.T. -0.00 min
Lab File: VL031858.D
Acq: 12 Apr 2018 5:26

Tgt Ion: 91 Resp: 3260800
Ion Ratio Lower Upper
91 100
106 42.7 21.3 63.9





#61

Styrene

Concen: 10.27 ppbv

RT: 13.84 min Scan# 3965

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

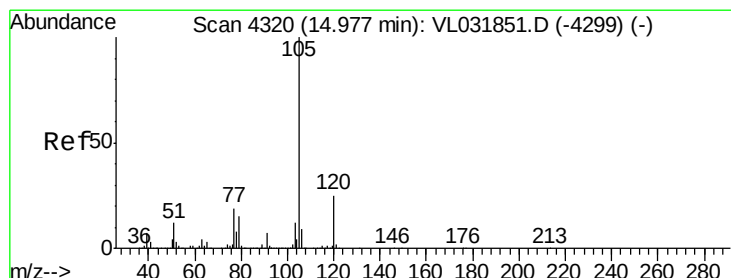
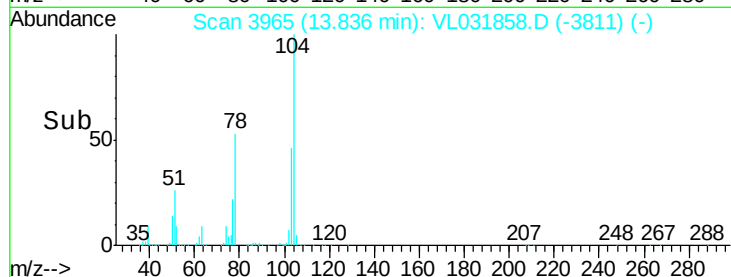
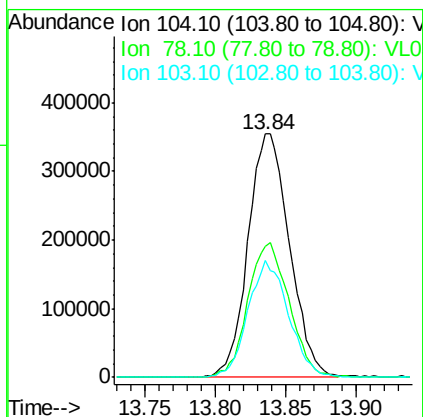
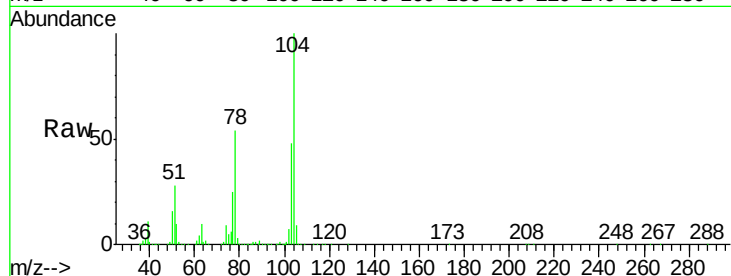
Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

Tgt Ion:	104	Resp:	729837
Ion	Ratio	Lower	Upper
104	100		
78	55.3	44.4	66.6
103	47.0	37.9	56.9



#62

Isopropylbenzene

Concen: 8.64 ppbv

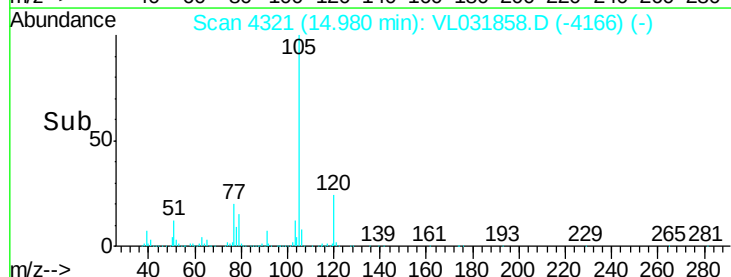
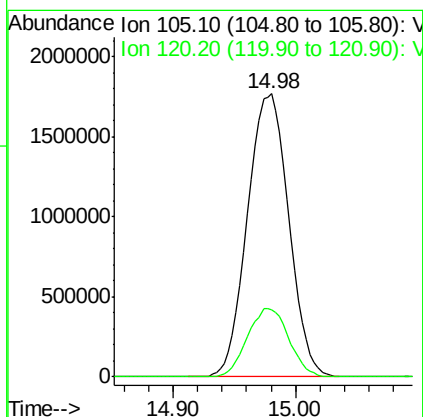
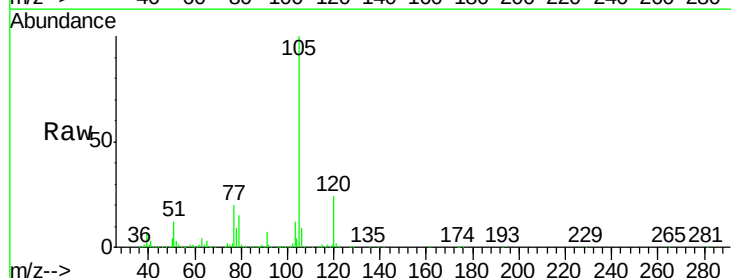
RT: 14.98 min Scan# 4321

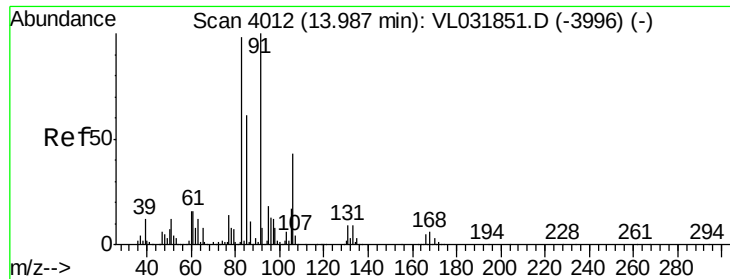
Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:	105	Resp:	4142963
Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.4	29.2

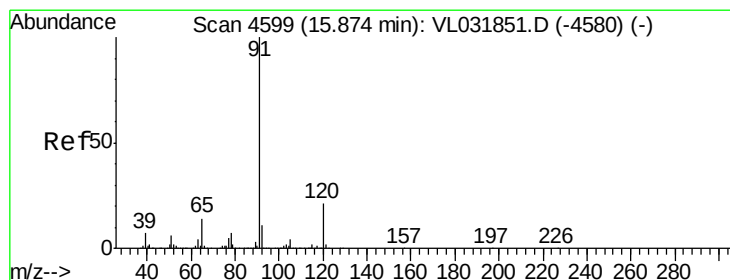
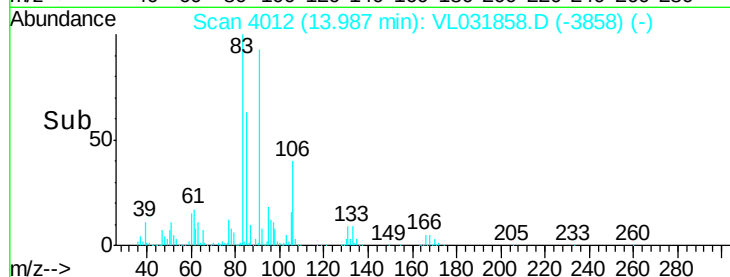
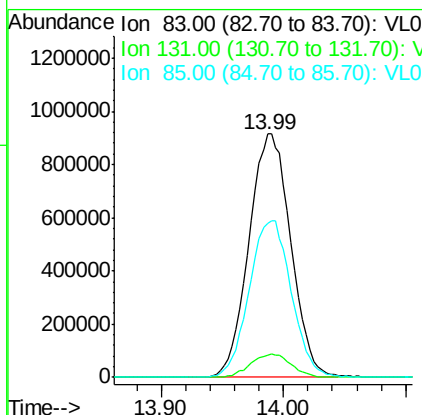
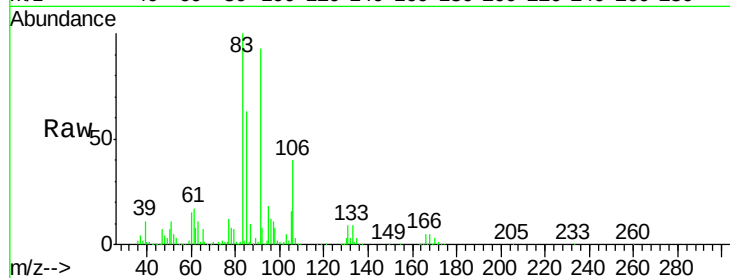




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.55 ppbv
 RT: 13.99 min Scan# 4012
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

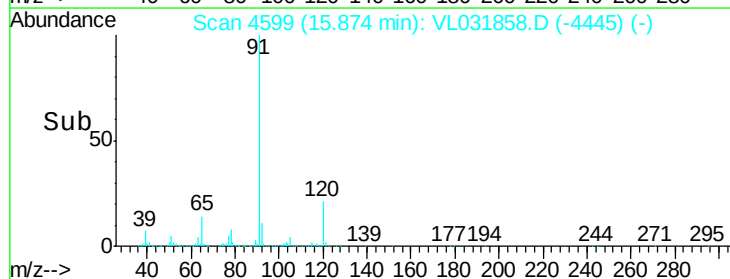
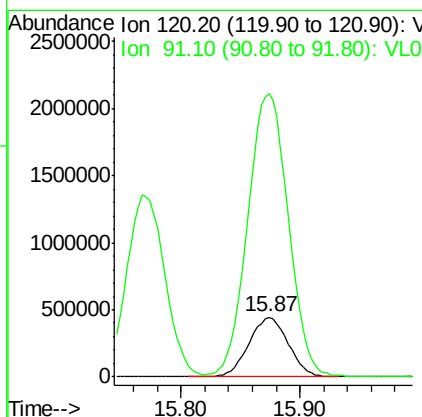
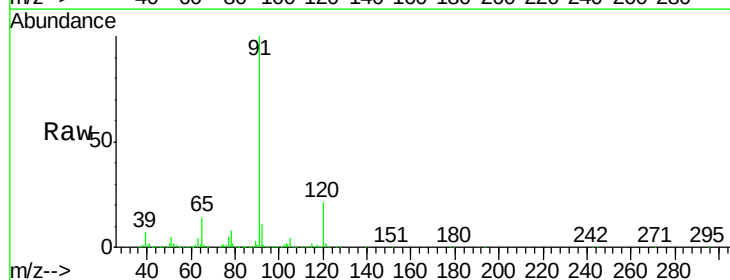
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

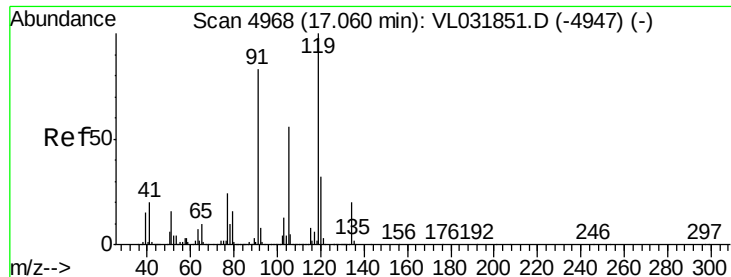
Tgt Ion: 83 Resp: 2166378
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.9 14.6
 85 65.2 32.2 96.6



#64
 n-propylbenzene
 Concen: 8.75 ppbv
 RT: 15.87 min Scan# 4599
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 120 Resp: 1019114
 Ion Ratio Lower Upper
 120 100
 91 489.3 393.7 590.5



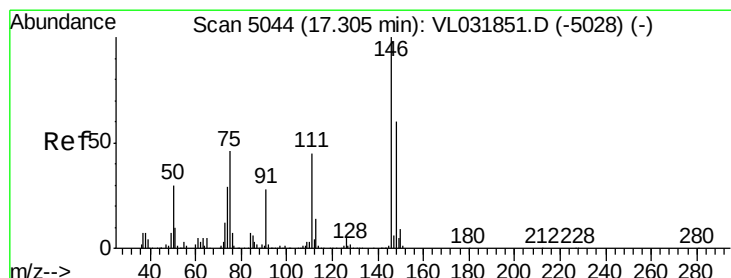
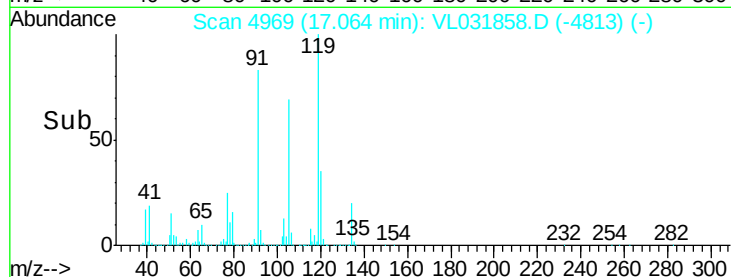
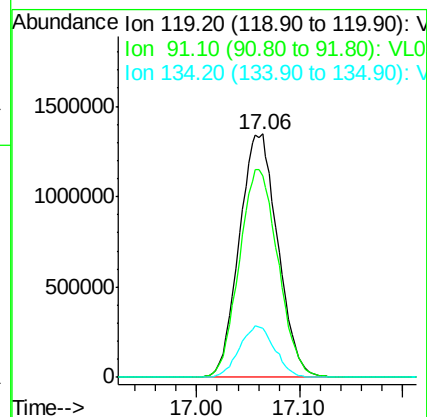
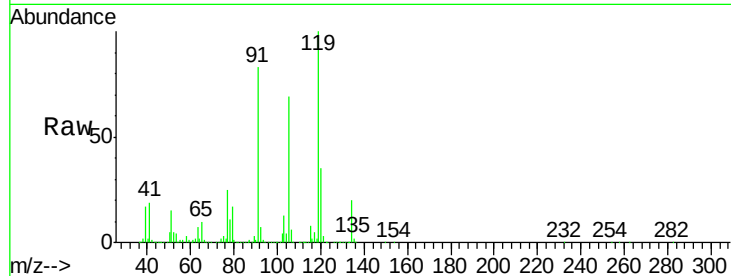


#65
 tert-Butylbenzene
 Concen: 8.46 ppbv
 RT: 17.06 min Scan# 4969
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tgt Ion: 119 Resp: 3486857

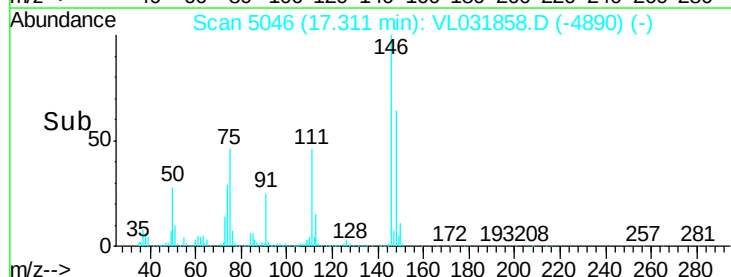
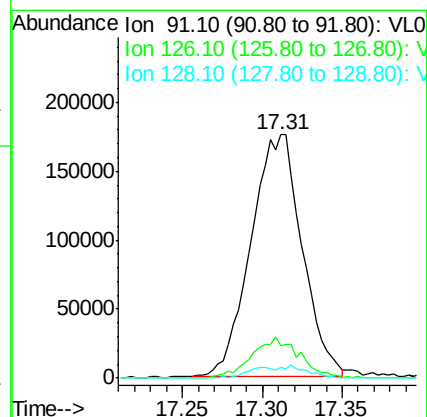
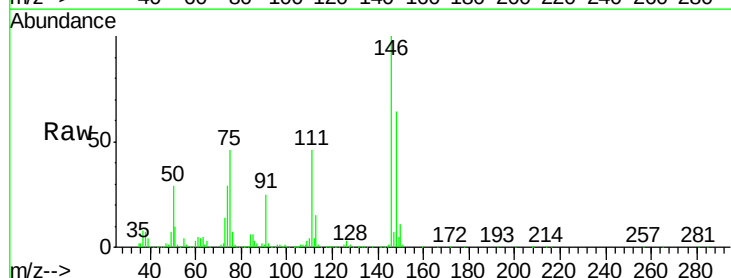
Ion	Ratio	Lower	Upper
119	100		
91	86.5	69.4	104.0
134	19.4	15.4	23.2

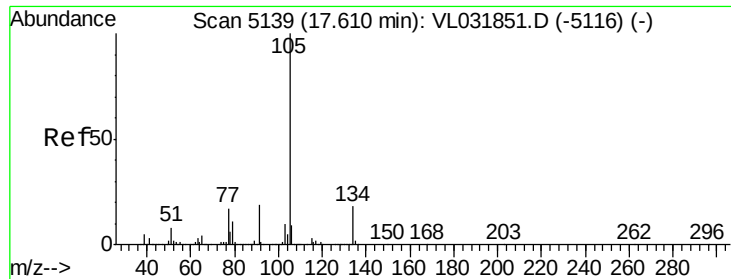


#66
 Benzyl Chloride
 Concen: 10.34 ppbv
 RT: 17.31 min Scan# 5046
 Delta R.T. 0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 91 Resp: 384076

Ion	Ratio	Lower	Upper
91	100		
126	16.0	12.6	19.0
128	5.4	4.0	6.0





#67

sec-Butylbenzene

Concen: 8.31 ppbv

RT: 17.61 min Scan# 5139

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

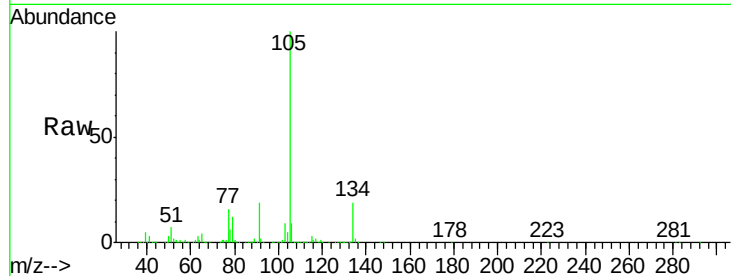
ICVVL041218

Tgt Ion: 105 Resp: 4936765

Ion Ratio Lower Upper

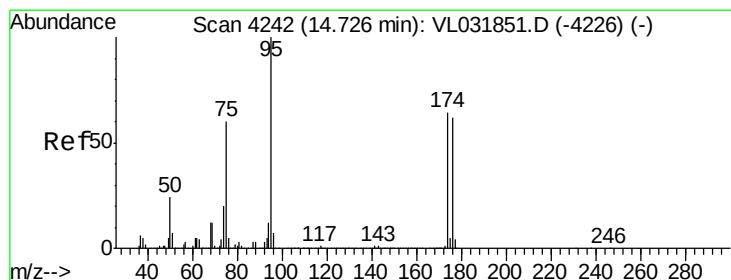
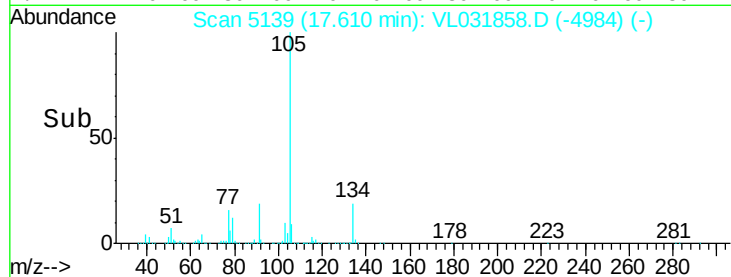
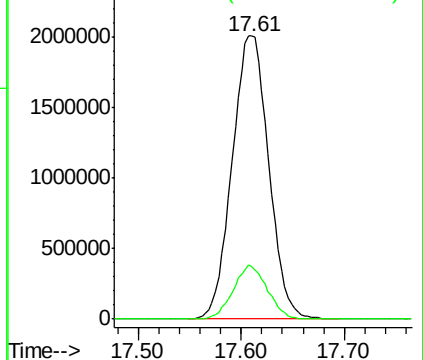
105 100

134 18.0 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.78 ppbv

RT: 14.73 min Scan# 4243

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

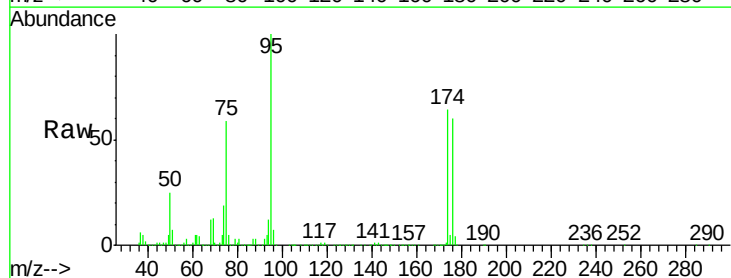
Tgt Ion: 95 Resp: 2434983

Ion Ratio Lower Upper

95 100

174 65.0 52.3 78.5

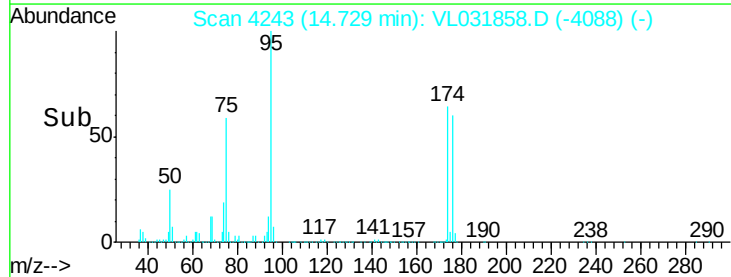
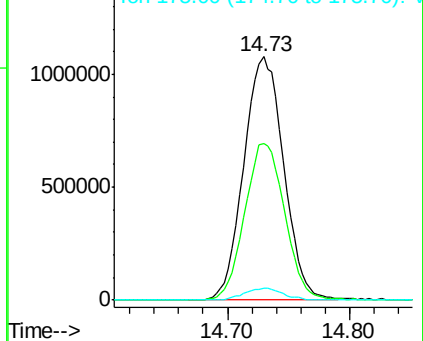
175 4.7 3.9 5.9

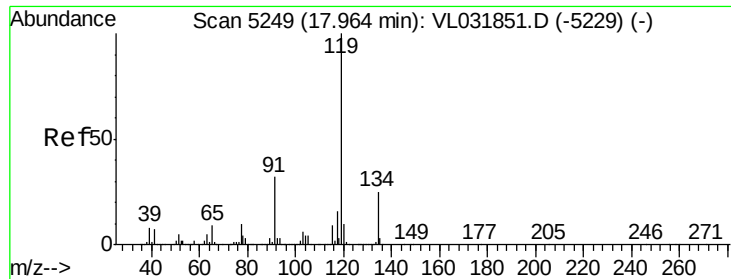


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

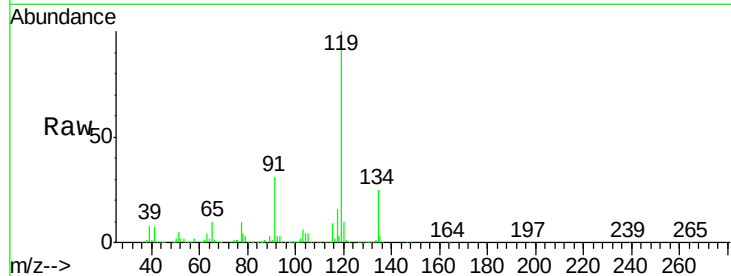




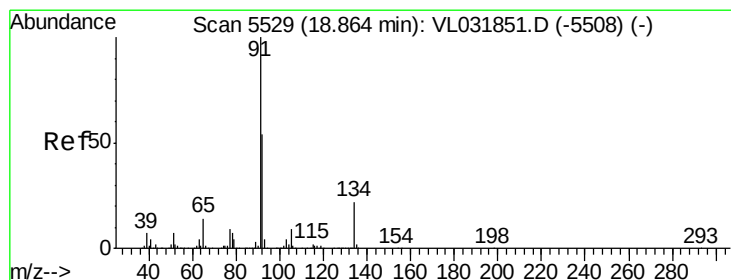
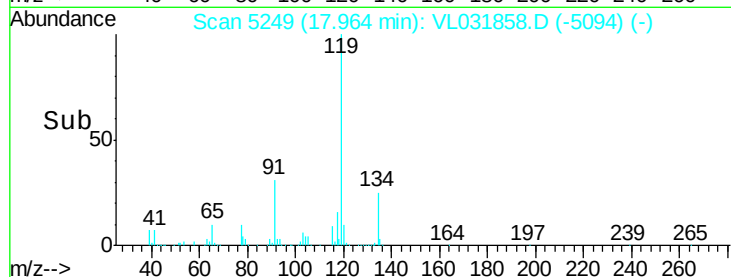
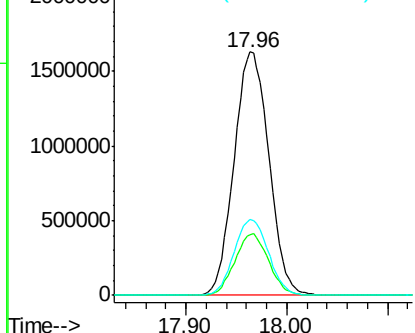
#69
 p-Isopropyltoluene
 Concen: 8.47 ppbv
 RT: 17.96 min Scan# 5249
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tgt Ion: 119 Resp: 3901397
 Ion Ratio Lower Upper
 119 100
 134 24.6 20.0 30.0
 91 30.9 24.9 37.3

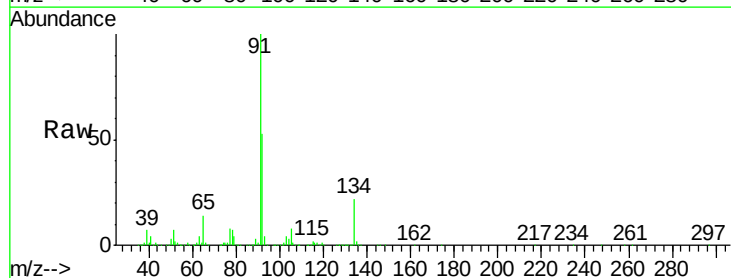


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

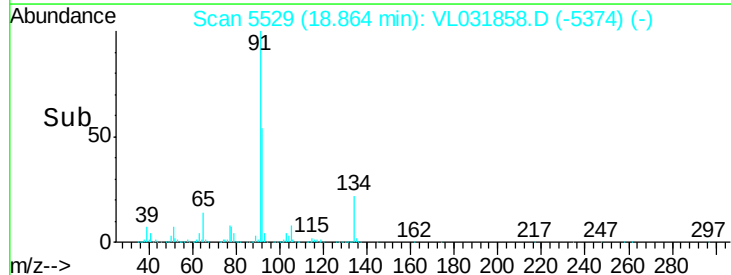
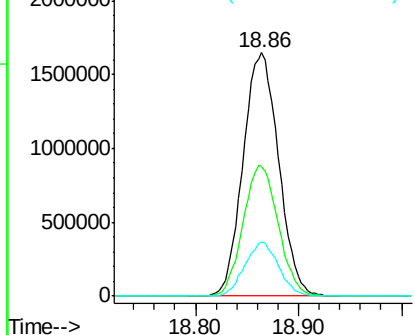


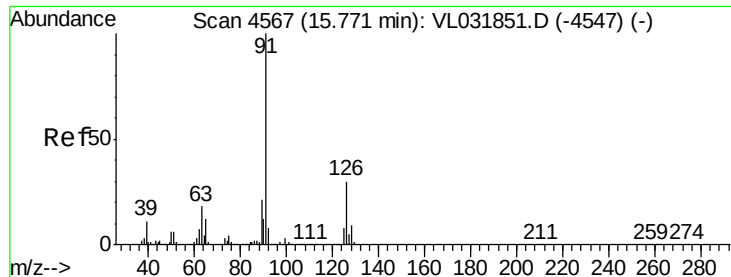
#70
 n-Butylbenzene
 Concen: 8.25 ppbv
 RT: 18.86 min Scan# 5529
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion: 91 Resp: 3953088
 Ion Ratio Lower Upper
 91 100
 92 53.0 42.2 63.4
 134 21.2 17.4 26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.87 ppbv

RT: 15.77 min Scan# 4566

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

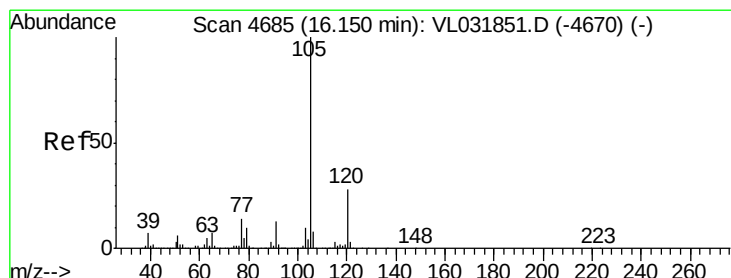
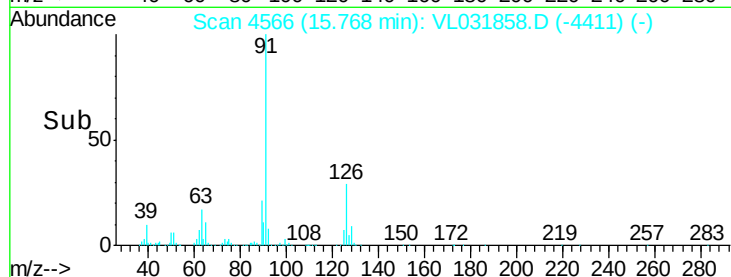
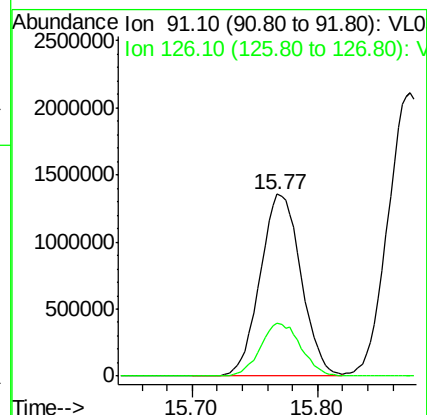
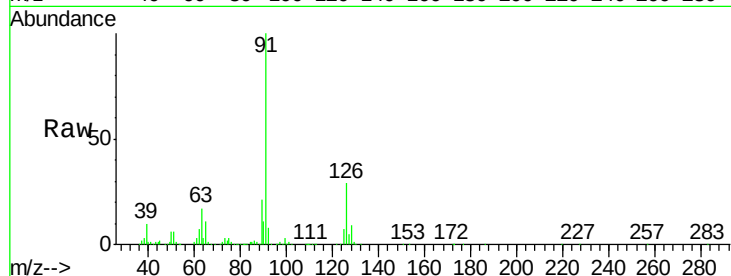
ICVVL041218

Tgt Ion: 91 Resp: 3073928

Ion Ratio Lower Upper

91 100

126 29.0 11.6 46.2



#72

4-Ethyltoluene

Concen: 8.69 ppbv

RT: 16.15 min Scan# 4685

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion: 105 Resp: 3314206

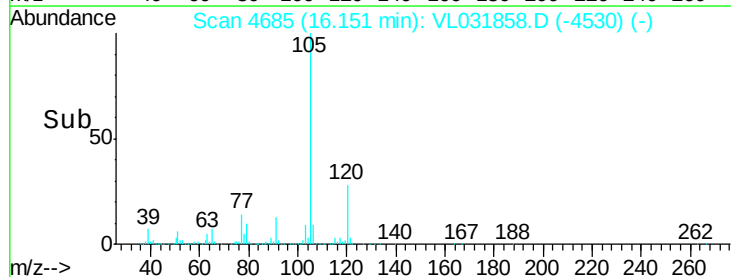
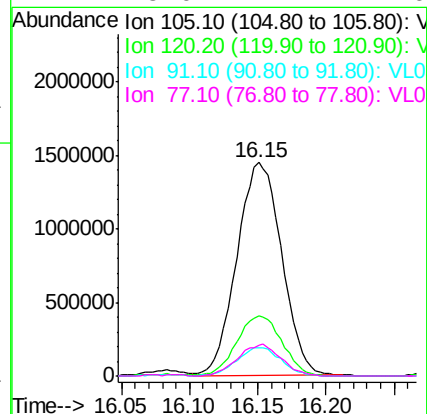
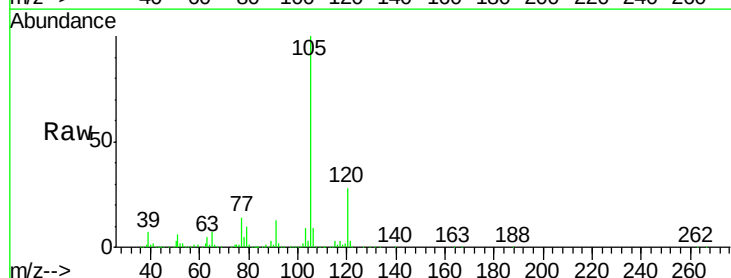
Ion Ratio Lower Upper

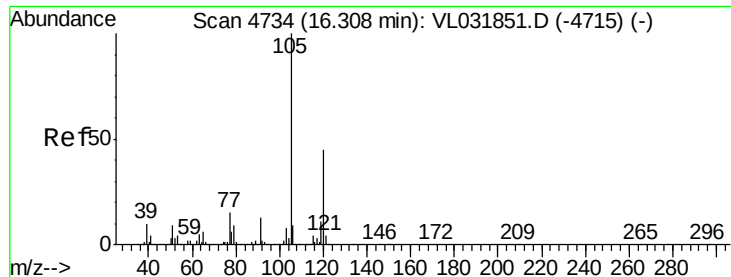
105 100

120 28.6 22.7 34.1

91 13.2 10.6 16.0

77 15.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 8.61 ppbv

RT: 16.31 min Scan# 4735

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

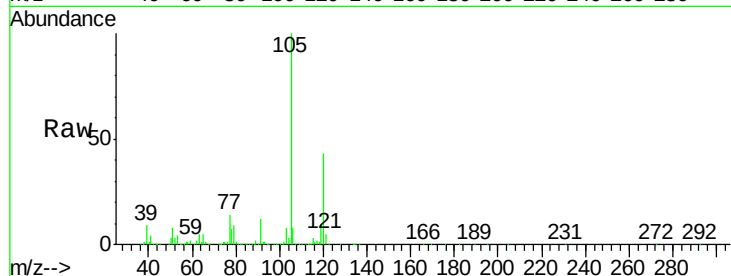
ICVVL041218

Tgt Ion:105 Resp: 3006159

Ion Ratio Lower Upper

105 100

120 42.6 35.3 52.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.31

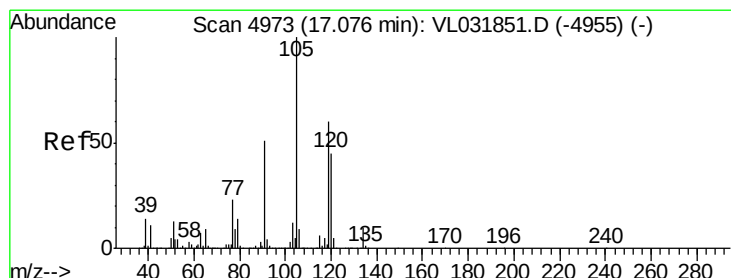
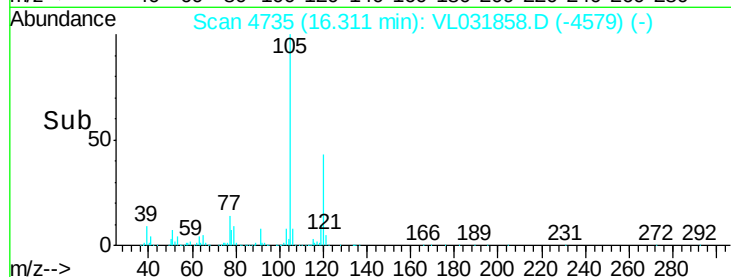
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.06 ppbv

RT: 17.08 min Scan# 4974

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Tgt Ion:105 Resp: 3141934

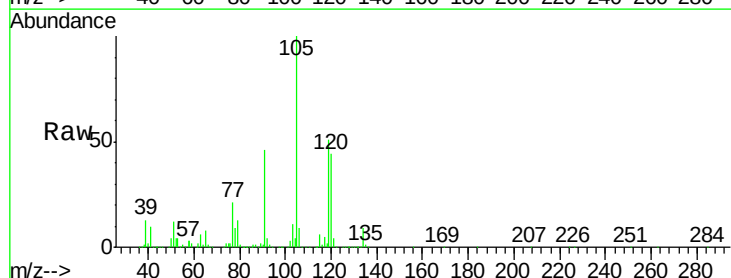
Ion Ratio Lower Upper

105 100

120 44.3 37.0 55.4

91 45.7 43.0 64.4

77 20.7 18.7 28.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

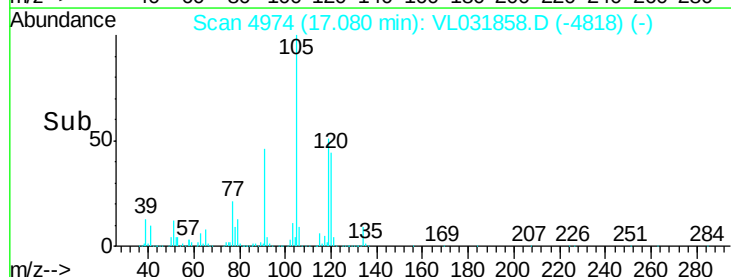
1500000

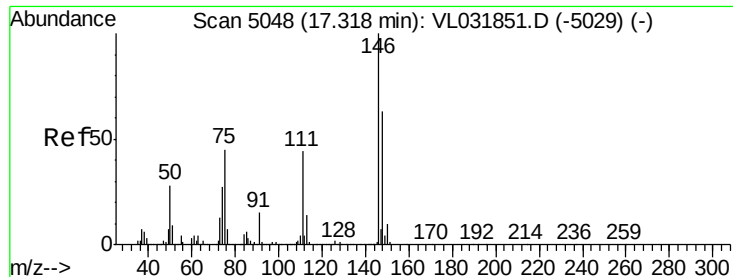
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.79 ppbv

RT: 17.32 min Scan# 5048

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

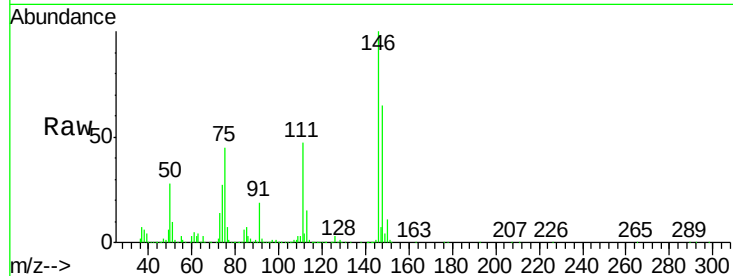
Tgt Ion:146 Resp: 1861251

Ion Ratio Lower Upper

146 100

111 47.1 23.8 71.4

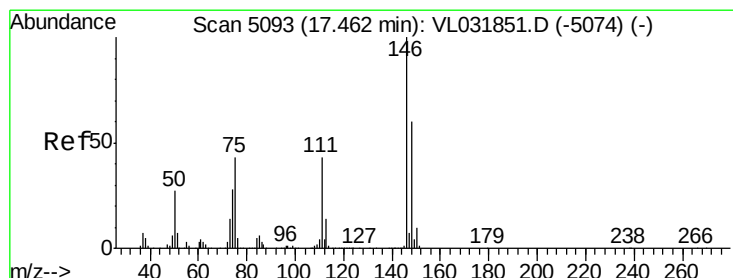
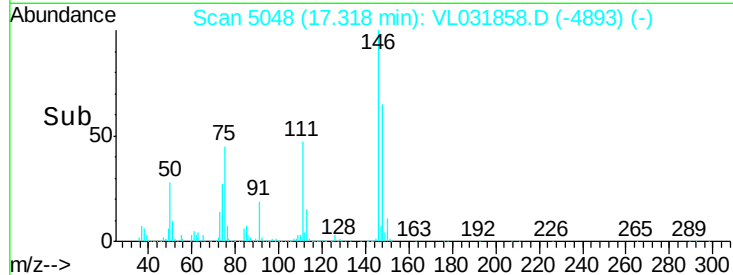
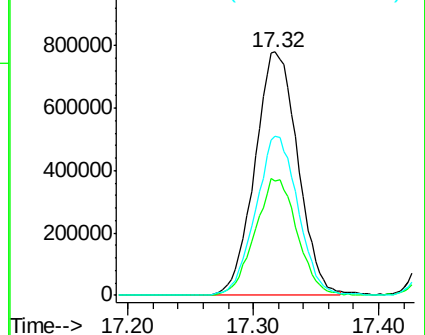
148 64.4 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.14 ppbv

RT: 17.46 min Scan# 5092

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

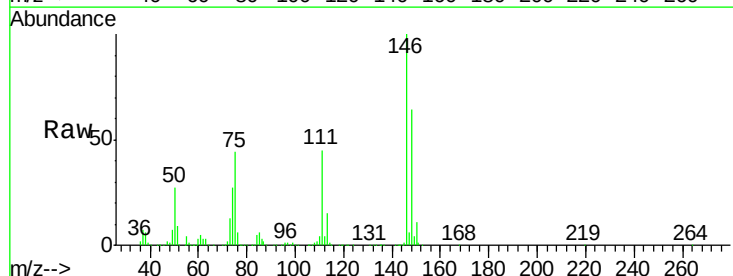
Tgt Ion:146 Resp: 1887549

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

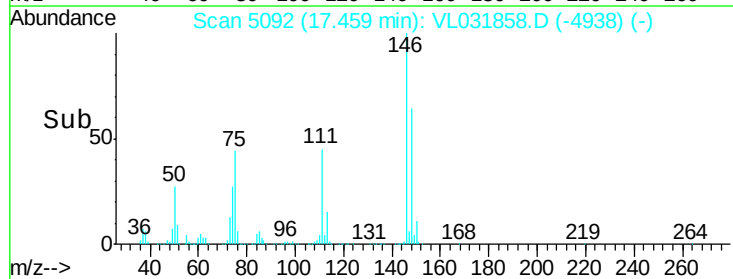
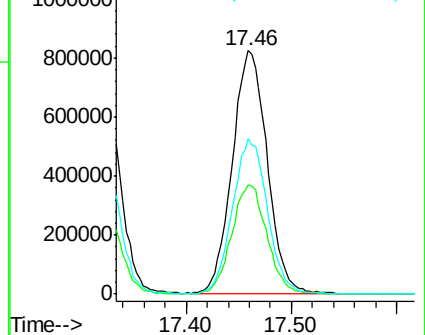
148 64.1 32.0 96.0

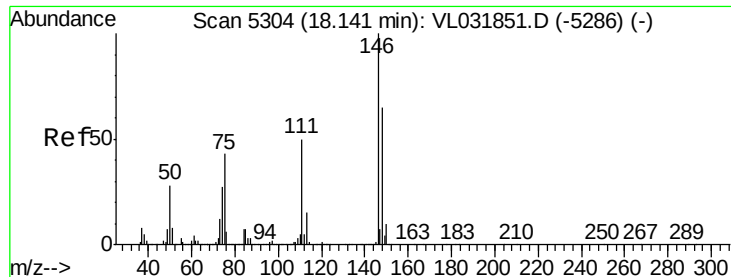


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

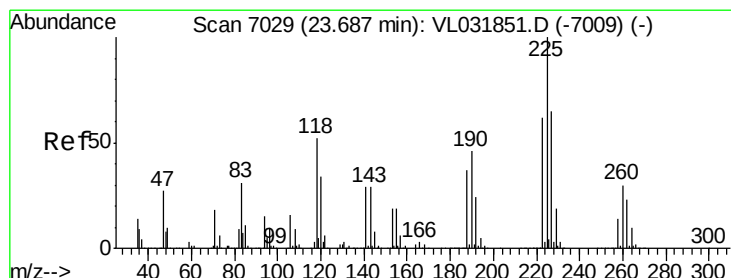
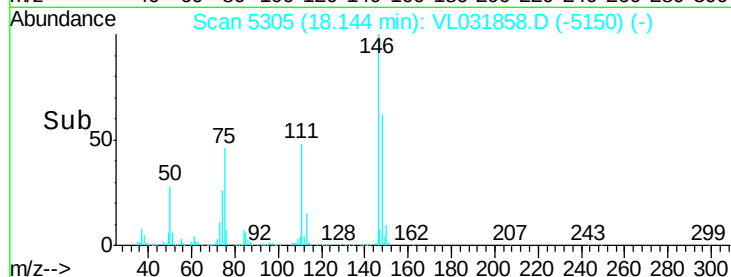
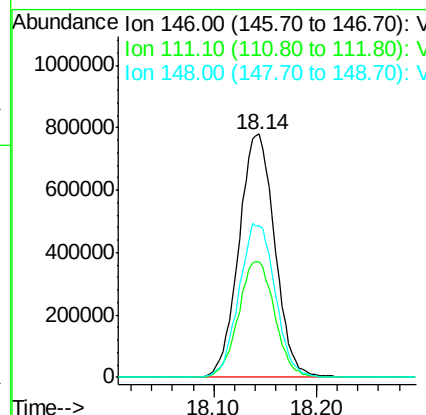
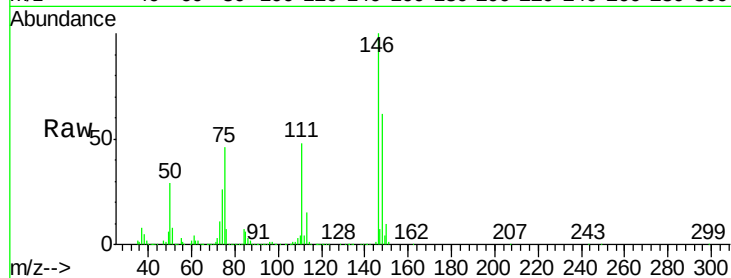




#77
 1,2-Dichlorobenzene
 Concen: 8.01 ppbv
 RT: 18.14 min Scan# 5305
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

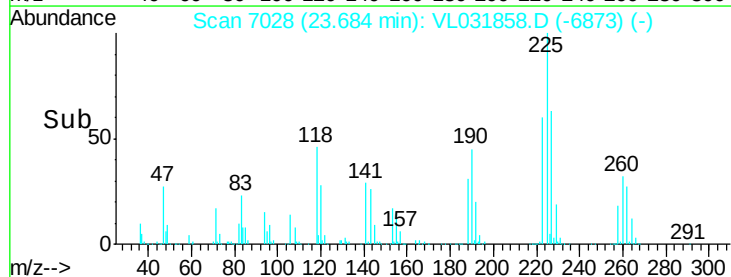
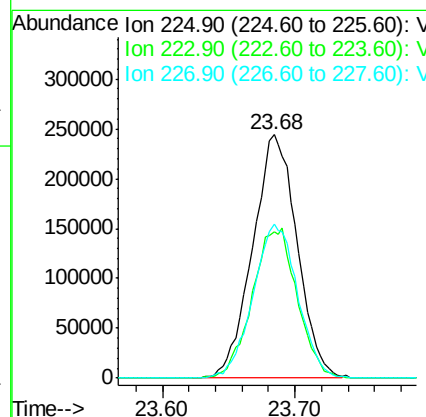
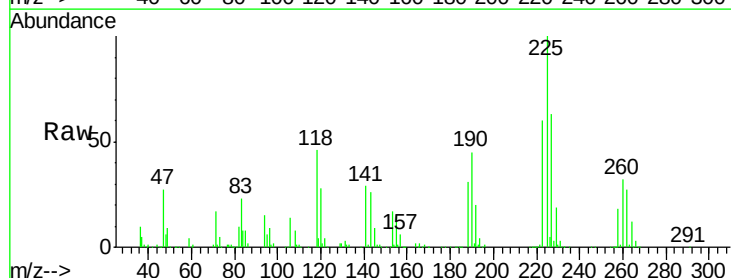
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

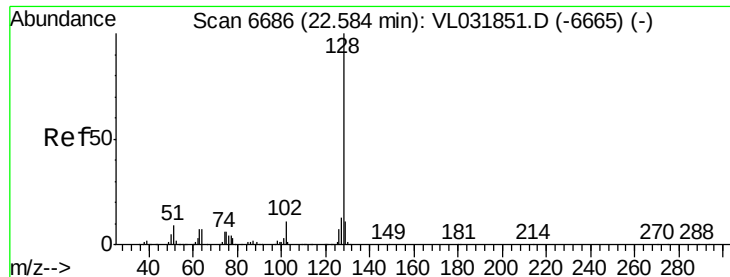
Tgt Ion:146 Resp: 1886088
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.3 72.8
 148 63.9 31.8 95.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.32 ppbv
 RT: 23.68 min Scan# 7028
 Delta R.T. -0.00 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Tgt Ion:225 Resp: 571067
 Ion Ratio Lower Upper
 225 100
 223 62.1 50.6 76.0
 227 63.6 52.2 78.4





#79

Naphthalene

Concen: 8.42 ppbv

RT: 22.59 min Scan# 6688

Delta R.T. -0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL041218

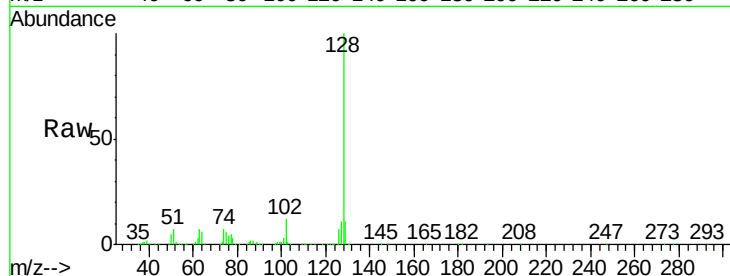
Tgt Ion:128 Resp: 1847448

Ion Ratio Lower Upper

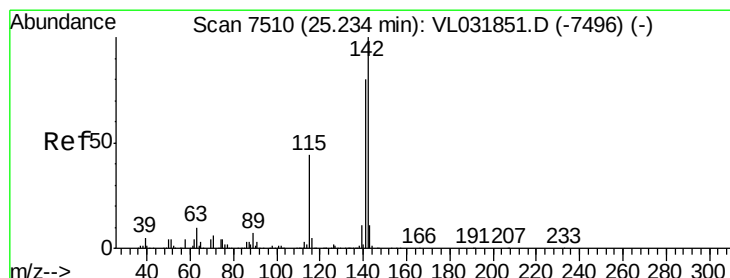
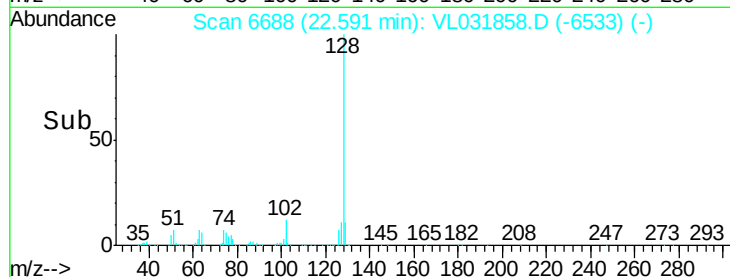
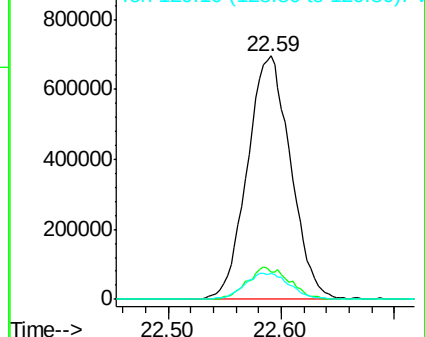
128 100

127 11.3 10.2 15.4

129 10.5 9.4 14.2



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: 5.79 ppbv

RT: 25.23 min Scan# 7510

Delta R.T. 0.00 min

Lab File: VL031858.D

Acq: 12 Apr 2018 5:26

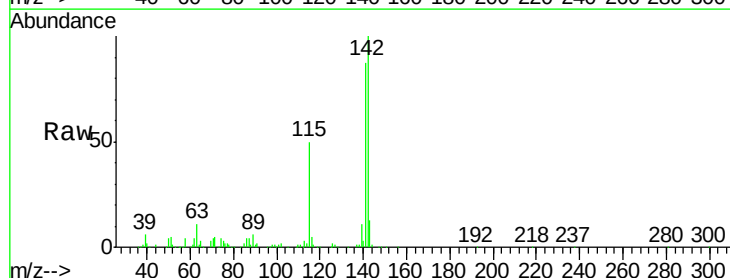
Tgt Ion:142 Resp: 248075

Ion Ratio Lower Upper

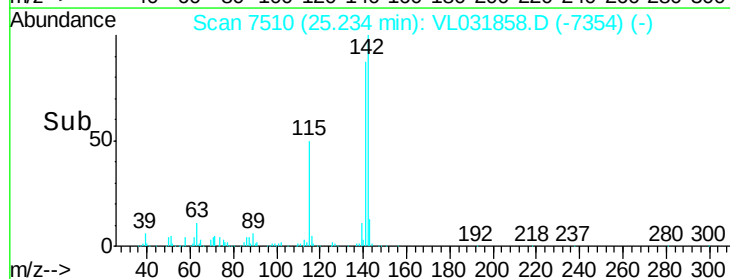
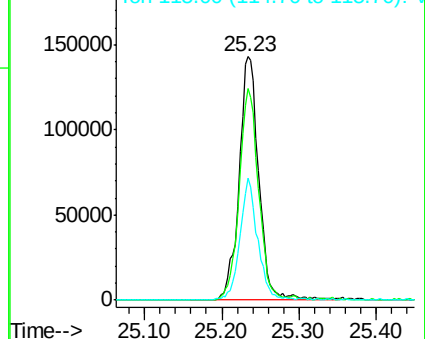
142 100

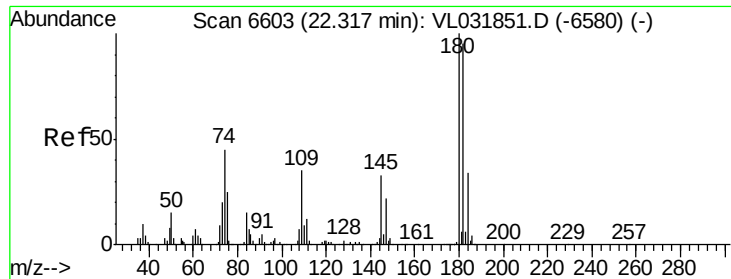
141 86.5 67.0 100.4

115 45.1 35.3 52.9



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: 7.52 ppbv
 RT: 22.32 min Scan# 6603
 Delta R.T. 0.01 min
 Lab File: VL031858.D
 Acq: 12 Apr 2018 5:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL041218

Tgt Ion:180 Resp: 914952
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.3 114.5
 184 30.3 24.2 36.2

