

Data File : VL031860.D

Acq On : 12 Apr 2018 10:07

Operator : SY/AP

Sample : VL0412ABS01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Quant Time: Apr 14 01:33:25 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	1391504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2829564	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	3530535	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2346853	8.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	2043271	7.12	ppbv	99
3) Chlorodifluoromethane	3.10	51	1279769	7.91	ppbv	100
4) Chloromethane	3.26	50	626049	7.58	ppbv	95
5) Vinyl Chloride	3.38	62	675221	7.26	ppbv	99
6) Bromomethane	3.61	94	487355	7.97	ppbv	99
7) Chloroethane	3.70	64	282825	7.63	ppbv	95
8) Dichlorotetrafluoroethane	3.31	85	1786213	7.58	ppbv	99
9) Propene	3.12	41	471971	8.43	ppbv	99
10) Heptane	8.39	43	1612926	8.88	ppbv	100
11) Trichlorofluoromethane	4.11	101	2118800	7.53	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.67	101	1549908	8.48	ppbv	99
13) Ethanol	3.75	45	139726	7.36	ppbv	98
14) Bromoethene	3.89	108	554066	8.04	ppbv	98
15) Acetone	4.01	43	1413249	6.60	ppbv	98
16) 1,3-Butadiene	3.46	39	633869	8.00	ppbv	94
17) tert-Butyl alcohol	4.47	59	840997	9.50	ppbv	100
18) 1,1-Dichloroethene	4.46	96	691560	8.80	ppbv	98
19) Isopropyl Alcohol	4.13	45	939436	7.85	ppbv	100
20) Methylene Chloride	4.52	84	662487	8.49	ppbv	93
21) Allyl Chloride	4.59	41	1119529	9.15	ppbv	100
22) trans-1,2-Dichloroethene	5.08	96	723691	8.89	ppbv	99
23) Vinyl Acetate	5.28	43	2001175	9.21	ppbv	99
24) 1,1-Dichloroethane	5.21	63	1797285	8.31	ppbv	99
25) Ethyl Acetate	5.89	43	3053151	9.14	ppbv	100
26) Hexane	5.90	57	1430309	9.18	ppbv	99
27) Carbon Disulfide	4.74	76	1933308	9.56	ppbv	99
28) Methyl tert-Butyl Ether	5.23	73	1741419	9.09	ppbv	100
29) Chloroform	5.98	83	2325167	8.81	ppbv	99
30) Cyclohexane	7.38	84	992801	8.93	ppbv	99
31) cis-1,2-Dichloroethene	5.77	61	1357038	9.62	ppbv	97
32) 1,1,1-Trichloroethane	6.76	97	2272540	8.84	ppbv	100
34) 2-Butanone	5.45	43	1849990	9.42	ppbv	100
35) Carbon Tetrachloride	7.27	117	2146898	8.74	ppbv	98
36) Benzene	7.14	78	2398980	9.43	ppbv	98
37) 1,2-Dichloroethane	6.55	62	1935453	10.22	ppbv	100
38) Trichloroethene	8.10	130	976274	9.45	ppbv	97
39) 1,2-Dichloropropane	7.88	63	850781	8.99	ppbv	100
40) 1,4-Dioxane	8.09	88	392040	10.21	ppbv #	1
41) Tetrahydrofuran	6.28	42	962883	10.60	ppbv	100
42) Bromodichloromethane	8.06	83	2151554	9.50	ppbv	99
43) Methyl Methacrylate	8.28	69	927274	10.35	ppbv	99

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

Response via : Initial Calibration

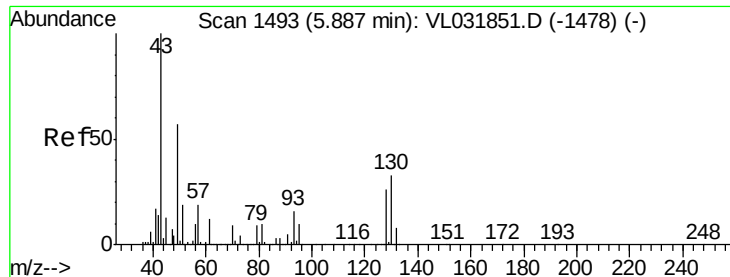
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	4111389	9.38	ppbv	99
45) t-1,3-Dichloropropene	9.56	75	1351359	11.63	ppbv	100
46) cis-1,3-Dichloropropene	8.98	75	1640640	11.05	ppbv	98
47) 1,1,2-Trichloroethane	9.76	97	1040048	9.25	ppbv	98
48) Dibromochloromethane	10.60	129	1780260	9.80	ppbv	99
49) Bromoform	13.35	173	1372109	9.81	ppbv	100
50) 4-Methyl-2-Pentanone	9.02	43	2226345	9.91	ppbv	100
51) 2-Hexanone	10.41	43	2102733	10.71	ppbv	99
52) Tetrachloroethene	11.52	164	926025	9.34	ppbv	97
53) Toluene	10.10	91	2937579	10.35	ppbv	100
54) 1,2-Dibromoethane	10.91	107	1577867	9.67	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.43	131	1220712	7.35	ppbv	100
57) Chlorobenzene	12.45	112	2255606	7.54	ppbv	97
58) Ethyl Benzene	13.02	91	4098289	8.36	ppbv	100
59) m/p-Xylene	13.30	91	3169984	7.45	ppbv #	22
60) o-Xylene	14.00	91	3429525	8.06	ppbv	100
61) Styrene	13.84	104	799691	9.87	ppbv	100
62) Isopropylbenzene	14.98	105	4242179	7.76	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.99	83	2206390	6.74	ppbv	99
64) n-propylbenzene	15.87	120	1061684	7.99	ppbv	100
65) tert-Butylbenzene	17.06	119	3555261	7.56	ppbv	100
66) Benzyl Chloride	17.31	91	347715	8.21	ppbv	100
67) sec-Butylbenzene	17.61	105	5002240	7.39	ppbv	100
69) p-Isopropyltoluene	17.96	119	3898405	7.43	ppbv	100
70) n-Butylbenzene	18.86	91	3898026	7.13	ppbv	100
71) 2-Chlorotoluene	15.77	91	3179947	8.05	ppbv	100
72) 4-Ethyltoluene	16.15	105	3518415	8.09	ppbv	100
73) 1,3,5-Trimethylbenzene	16.31	105	3097936	7.78	ppbv	100
74) 1,2,4-Trimethylbenzene	17.08	105	3220775	7.25	ppbv	96
75) 1,3-Dichlorobenzene	17.32	146	1942197	7.13	ppbv	100
76) 1,4-Dichlorobenzene	17.46	146	1959889	7.41	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	1846382	6.88	ppbv	100
78) Hexachloro-1,3-Butadiene	23.69	225	995944	9.66	ppbv	98
79) Naphthalene	22.59	128	2125757	8.50	ppbv	98
80) Naphthalene,2-methyl-	25.23	142	641803	13.14	ppbv	98
81) 1,2,4-Trichlorobenzene	22.32	180	1050217	7.57	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

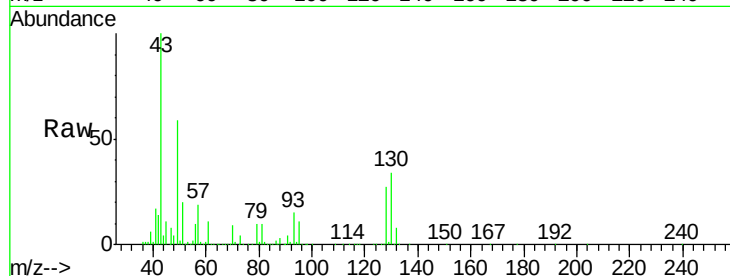
MSVOA_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 49 Resp: 1391504

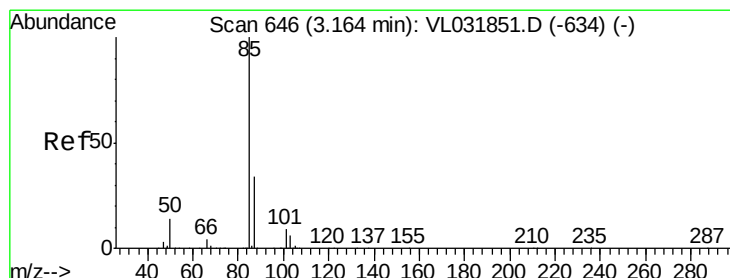
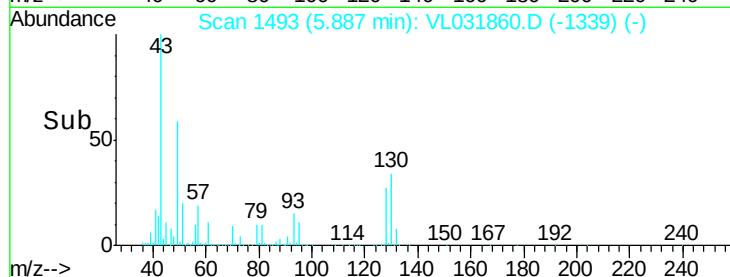
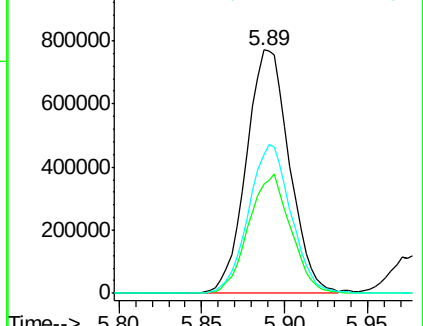
Ion	Ratio	Lower	Upper
49	100		
128	48.3	23.9	71.7
130	60.9	30.9	92.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.12 ppbv

RT: 3.16 min Scan# 646

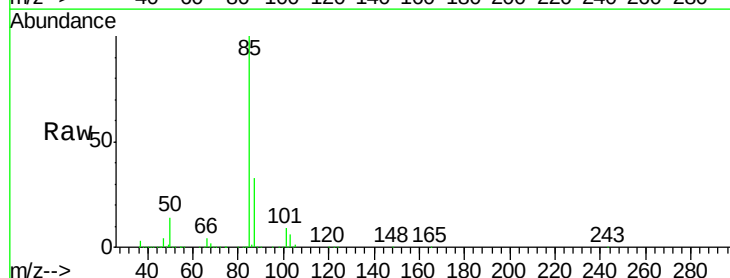
Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

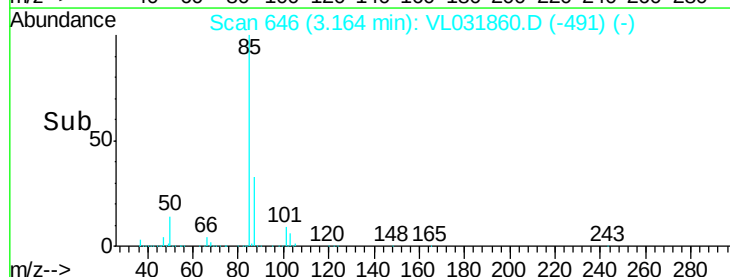
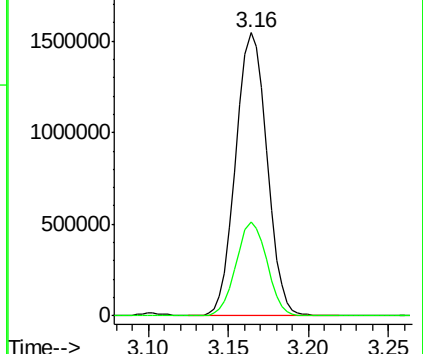
Tgt Ion: 85 Resp: 2043271

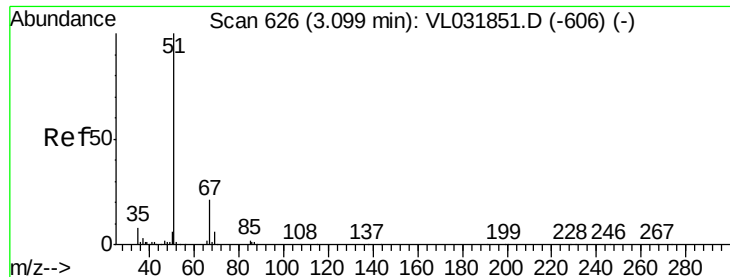
Ion	Ratio	Lower	Upper
85	100		
87	33.2	25.9	38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.91 ppbv

RT: 3.10 min Scan# 626

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

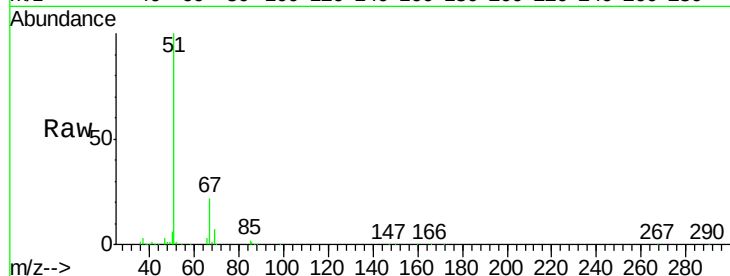
VL0412ABS01

Tgt Ion: 51 Resp: 1279769

Ion Ratio Lower Upper

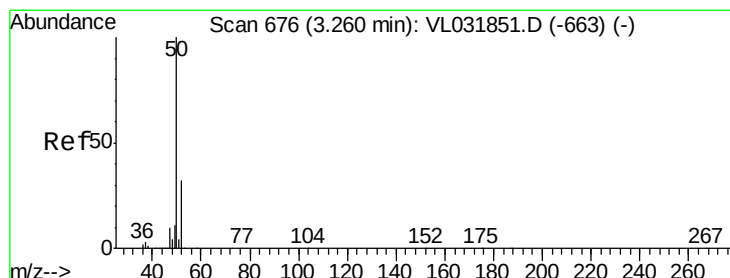
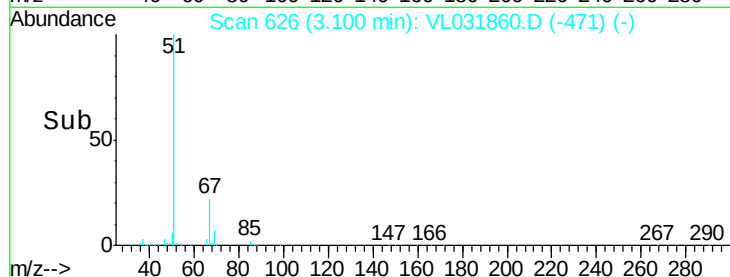
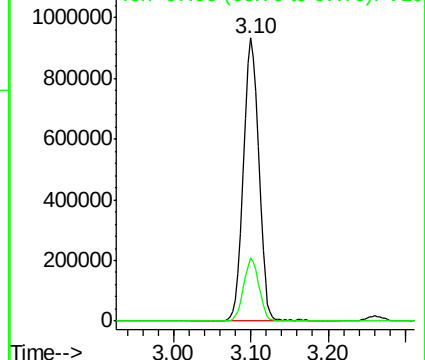
51 100

67 21.9 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: 7.58 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031860.D

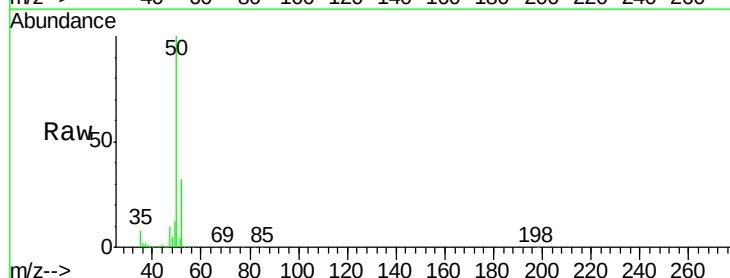
Acq: 12 Apr 2018 10:07

Tgt Ion: 50 Resp: 626049

Ion Ratio Lower Upper

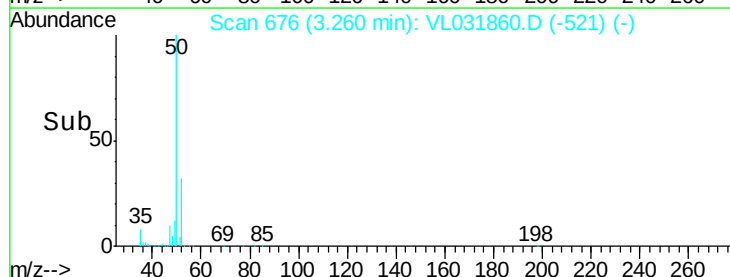
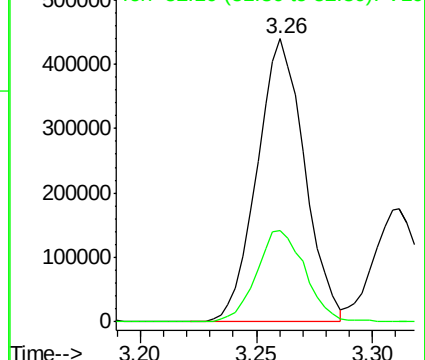
50 100

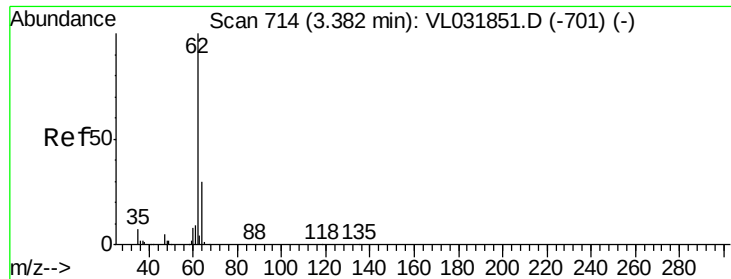
52 32.3 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.26 ppbv

RT: 3.38 min Scan# 714

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

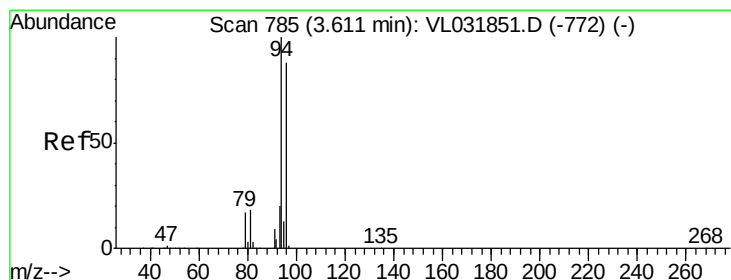
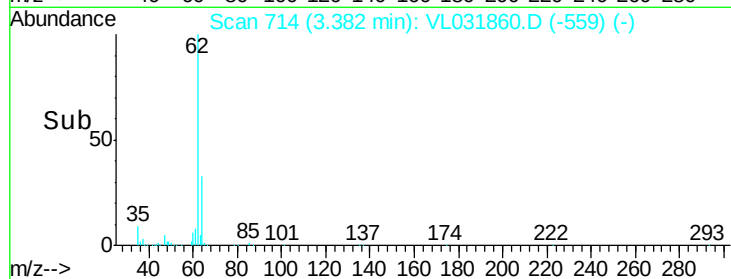
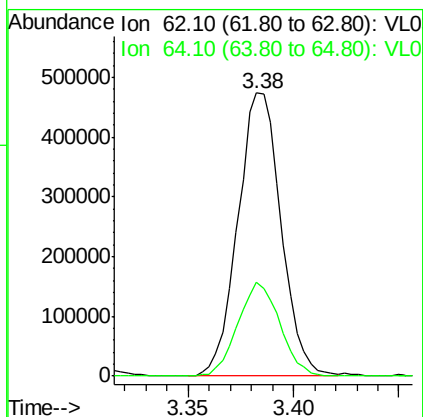
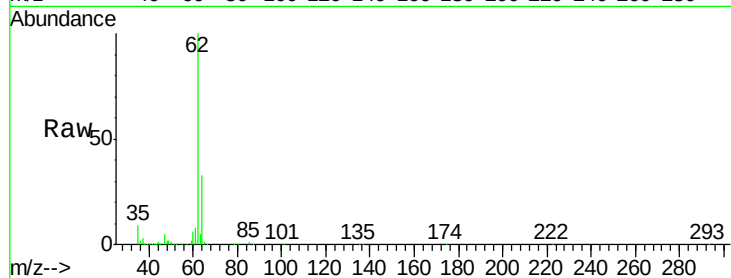
VL0412ABS01

Tgt Ion: 62 Resp: 675221

Ion Ratio Lower Upper

62 100

64 33.1 25.9 38.9



#6

Bromomethane

Concen: 7.97 ppbv

RT: 3.61 min Scan# 785

Delta R.T. -0.00 min

Lab File: VL031860.D

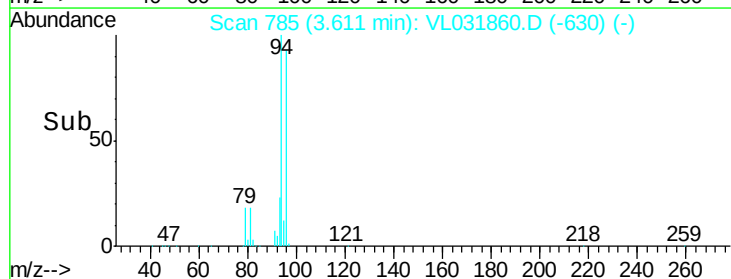
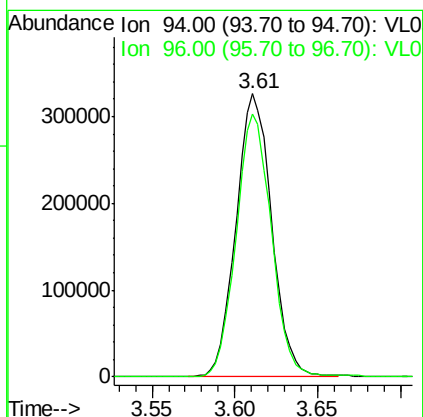
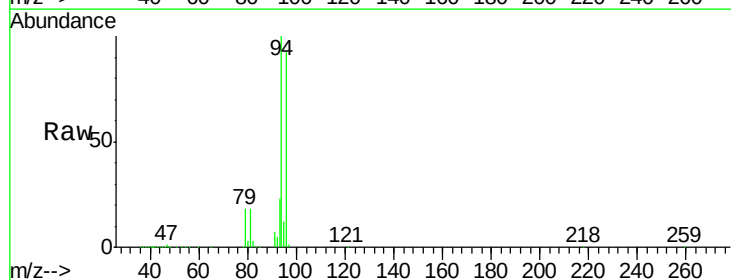
Acq: 12 Apr 2018 10:07

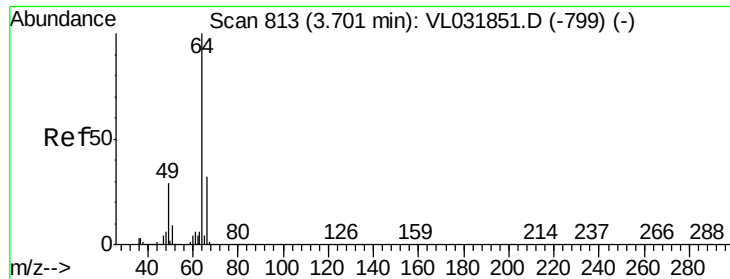
Tgt Ion: 94 Resp: 487355

Ion Ratio Lower Upper

94 100

96 92.8 73.8 110.6





#7

Chloroethane

Concen: 7.63 ppbv

RT: 3.70 min Scan# 812

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

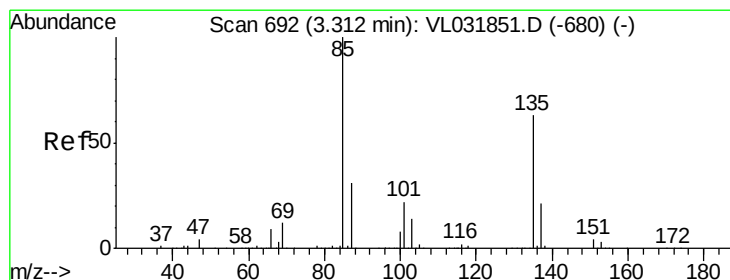
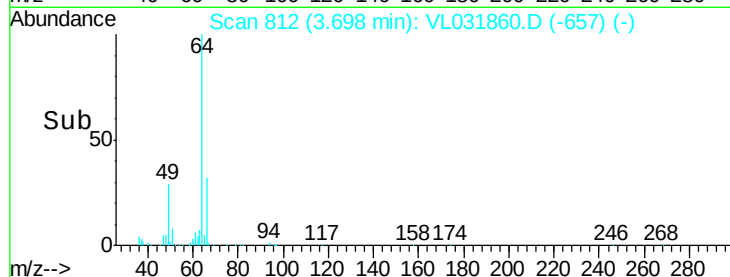
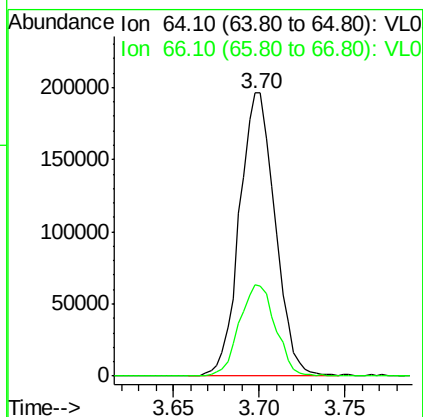
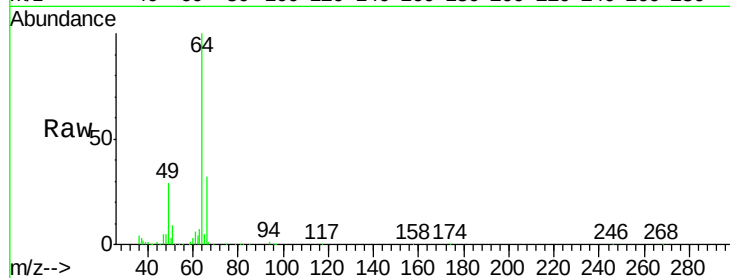
VL0412ABS01

Tgt Ion: 64 Resp: 282825

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.0



#8

Dichlorotetrafluoroethane

Concen: 7.58 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031860.D

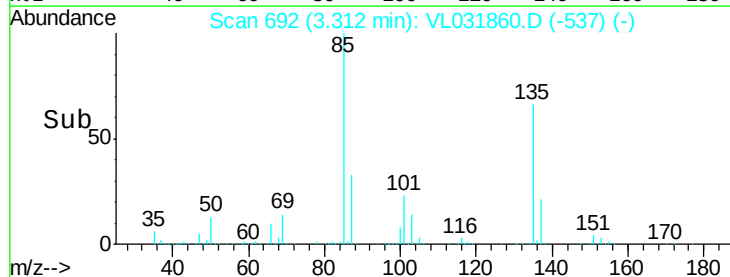
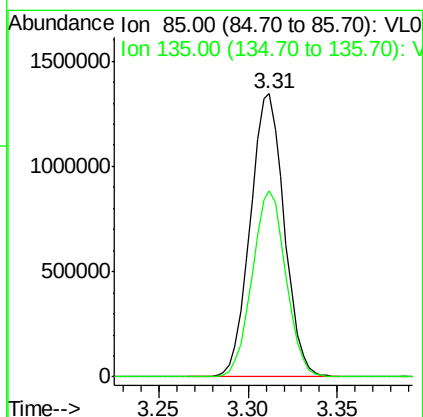
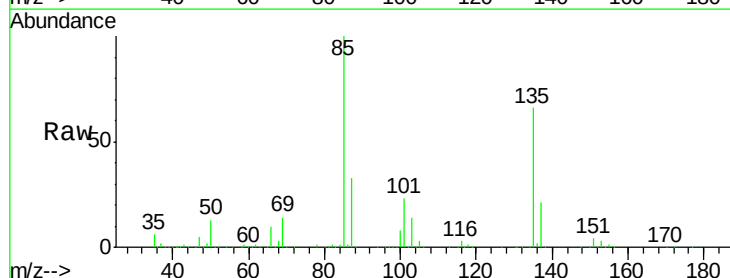
Acq: 12 Apr 2018 10:07

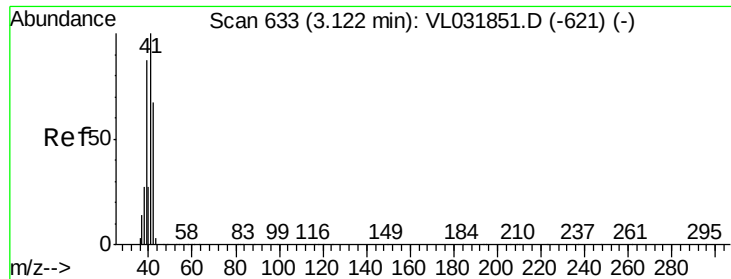
Tgt Ion: 85 Resp: 1786213

Ion Ratio Lower Upper

85 100

135 65.3 52.7 79.1





#9

Propene

Concen: 8.43 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

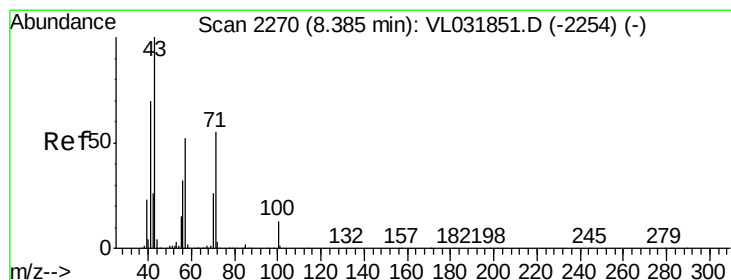
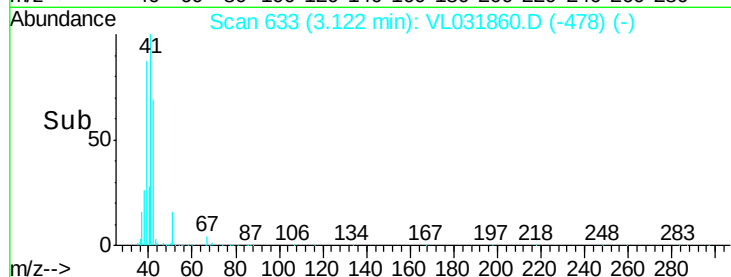
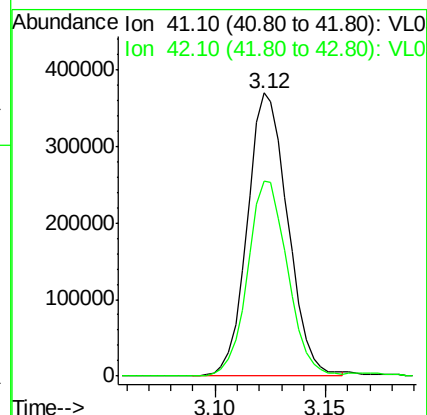
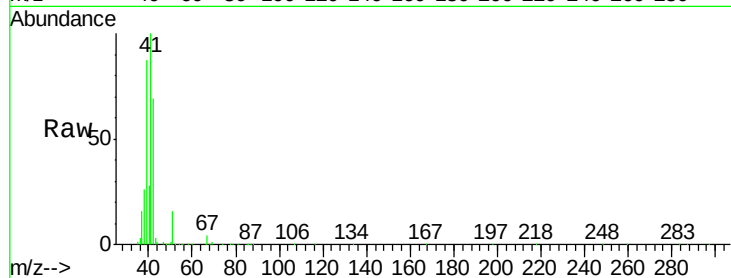
VL0412ABS01

Tgt Ion: 41 Resp: 471971

Ion Ratio Lower Upper

41 100

42 69.5 55.0 82.4



#10

Heptane

Concen: 8.88 ppbv

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VL031860.D

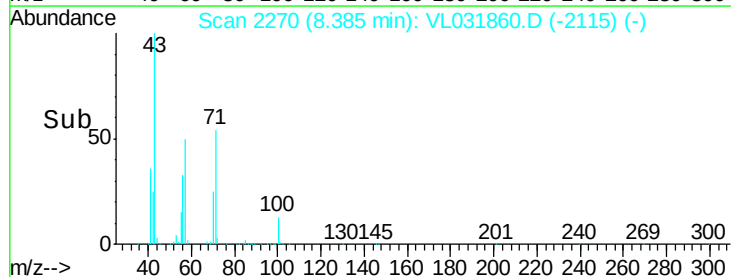
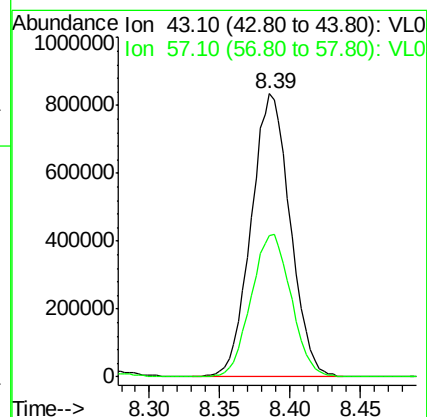
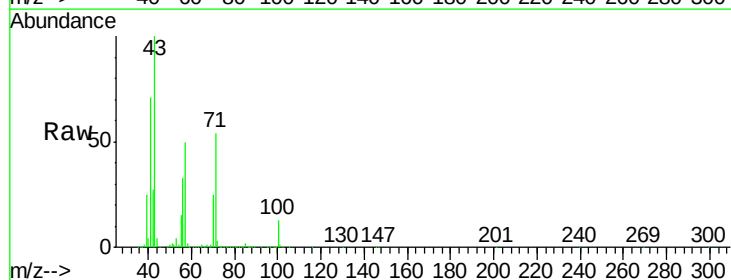
Acq: 12 Apr 2018 10:07

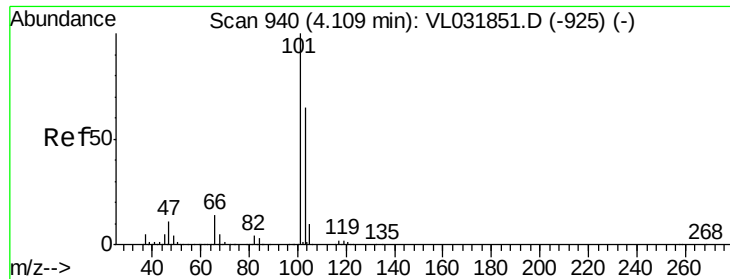
Tgt Ion: 43 Resp: 1612926

Ion Ratio Lower Upper

43 100

57 51.8 41.5 62.3

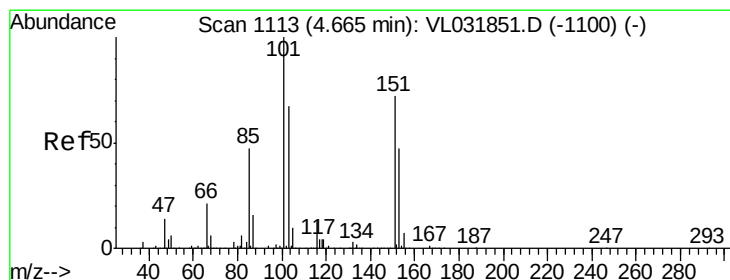
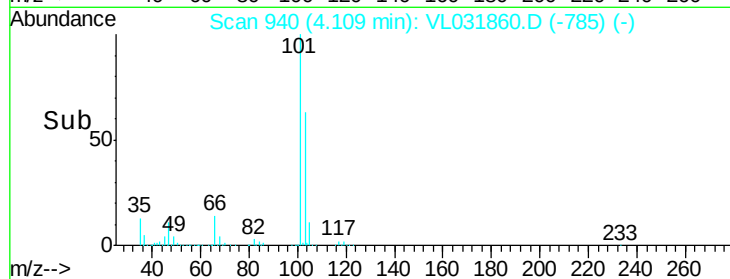
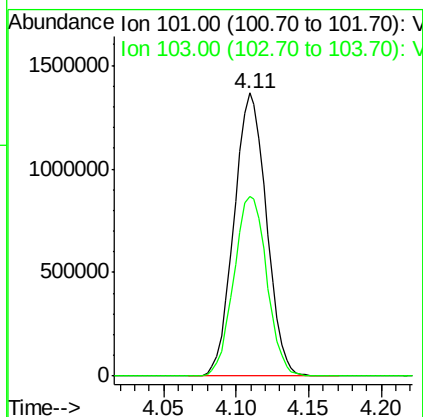
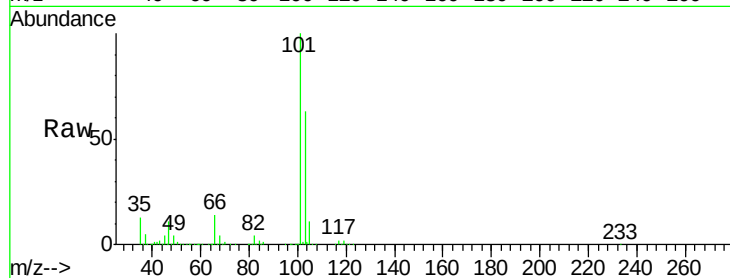




#11
 Trichlorofluoromethane
 Concen: 7.53 ppbv
 RT: 4.11 min Scan# 940
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

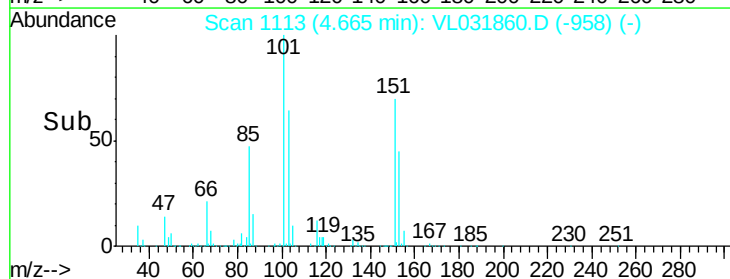
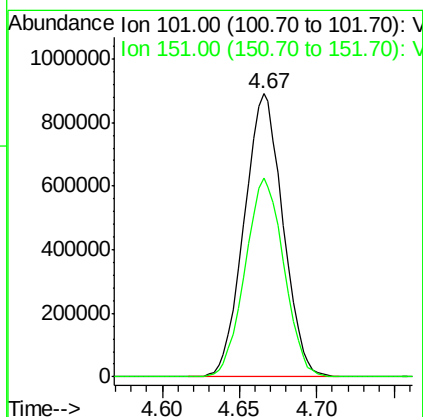
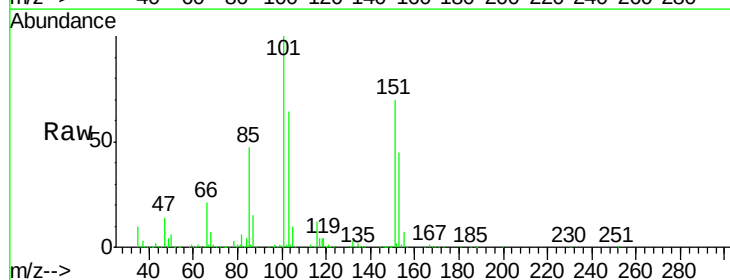
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

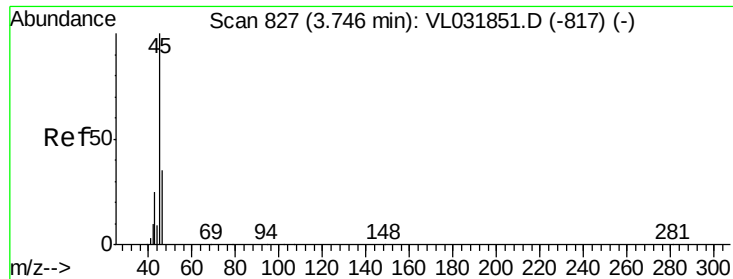
Tgt Ion:101 Resp: 2118800
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.48 ppbv
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion:101 Resp: 1549908
 Ion Ratio Lower Upper
 101 100
 151 70.5 57.0 85.6

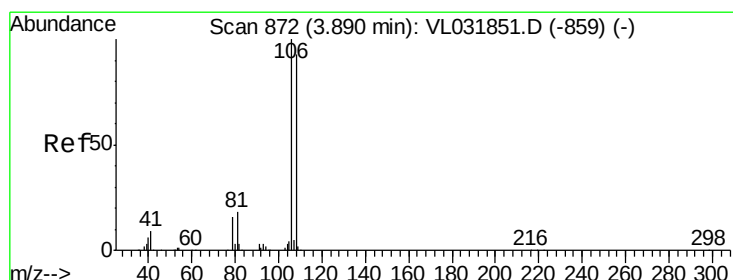
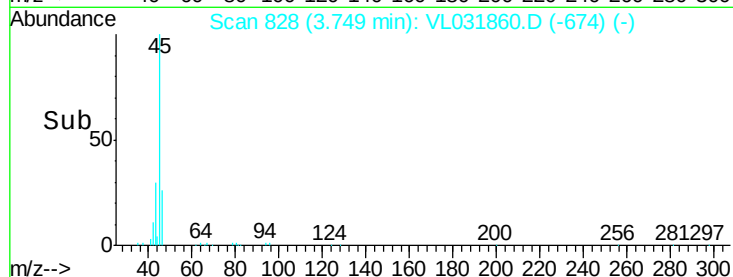
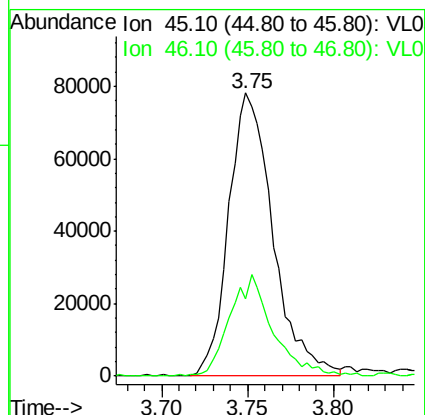
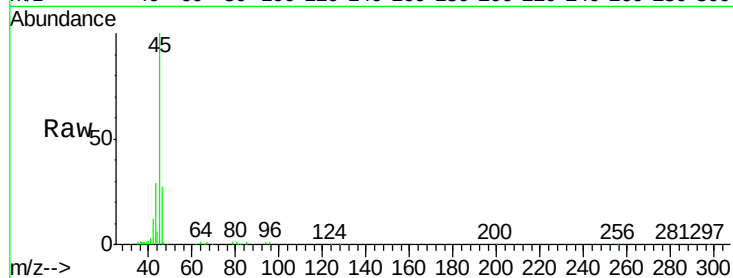




#13
Ethanol
Concen: 7.36 ppbv
RT: 3.75 min Scan# 828
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

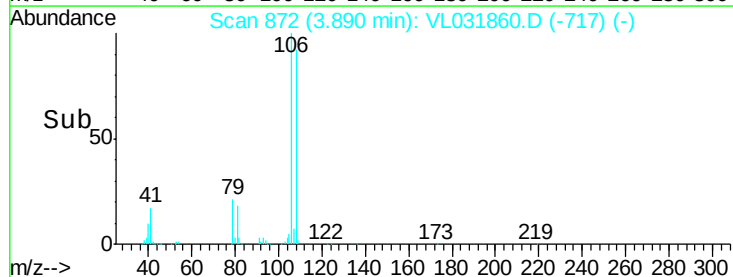
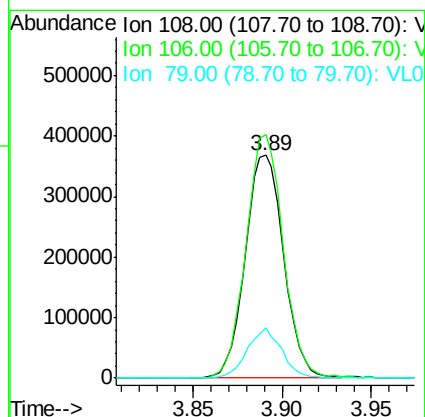
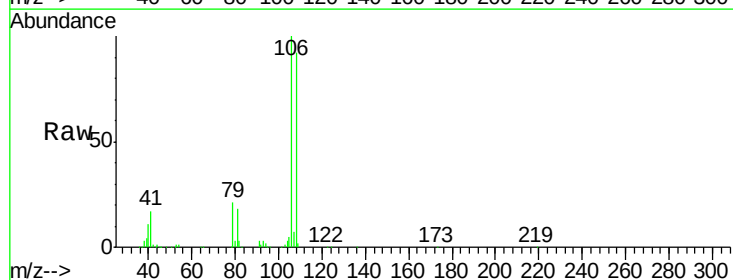
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

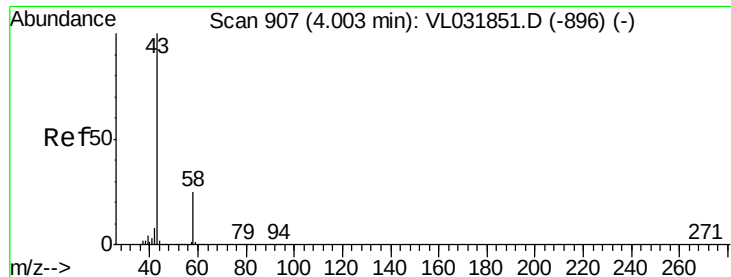
Tgt Ion: 45 Resp: 139726
Ion Ratio Lower Upper
45 100
46 35.2 14.6 58.6



#14
Bromoethene
Concen: 8.04 ppbv
RT: 3.89 min Scan# 872
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion: 108 Resp: 554066
Ion Ratio Lower Upper
108 100
106 106.6 86.6 130.0
79 20.5 15.5 23.3





#15

Acetone

Concen: 6.60 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

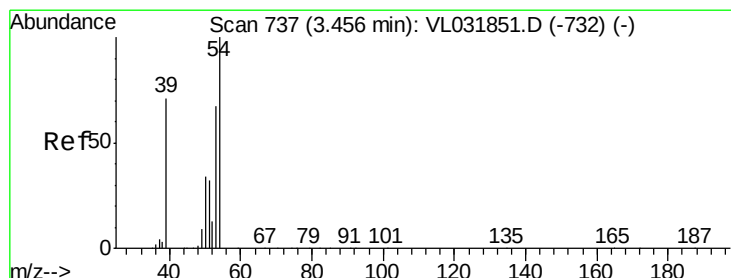
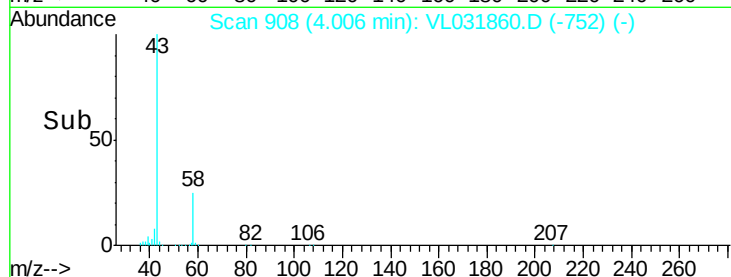
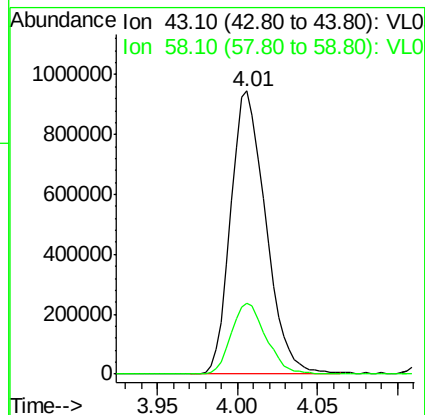
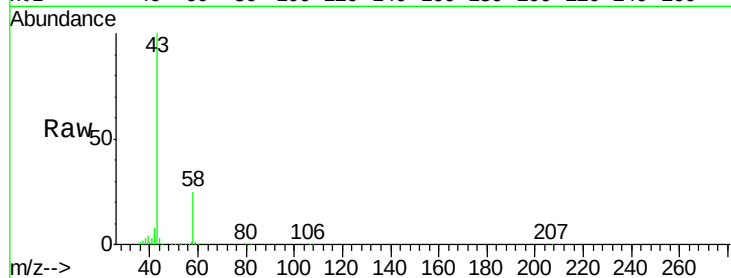
VL0412ABS01

Tgt Ion: 43 Resp: 1413249

Ion Ratio Lower Upper

43 100

58 24.9 20.9 31.3



#16

1,3-Butadiene

Concen: 8.00 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.00 min

Lab File: VL031860.D

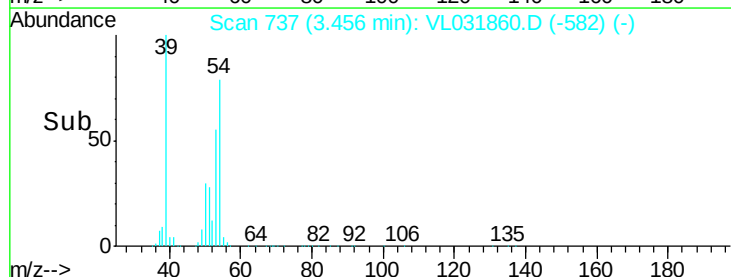
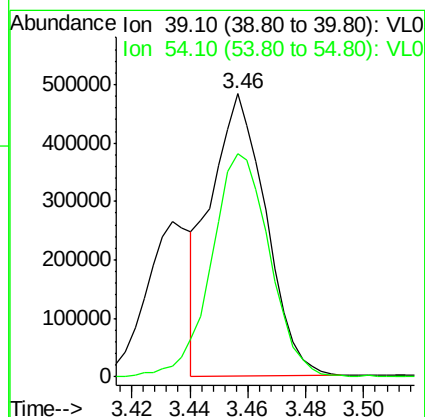
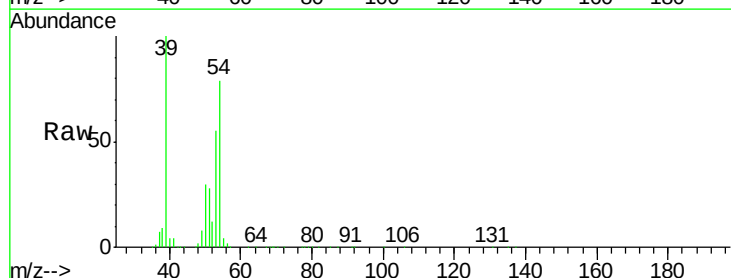
Acq: 12 Apr 2018 10:07

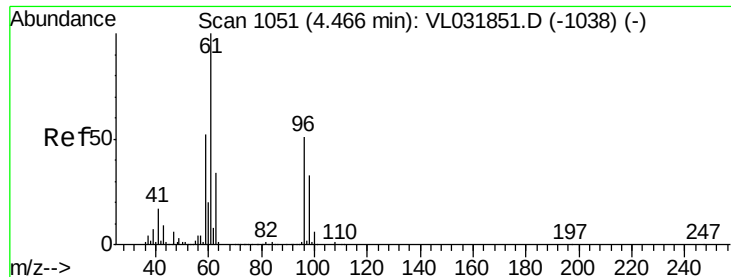
Tgt Ion: 39 Resp: 633869

Ion Ratio Lower Upper

39 100

54 84.1 63.3 94.9

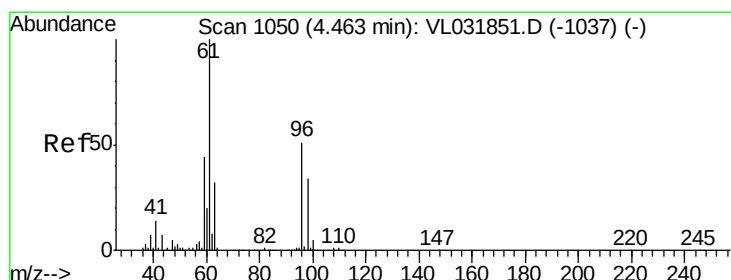
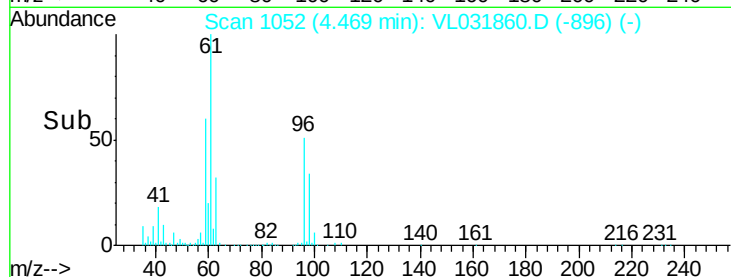
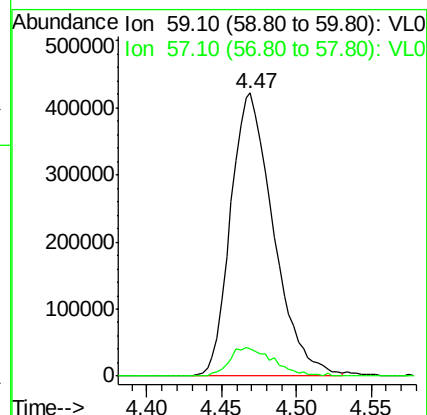
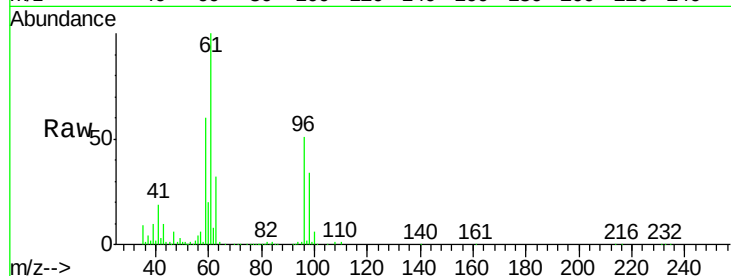




#17
 tert-Butyl alcohol
 Concen: 9.50 ppbv
 RT: 4.47 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

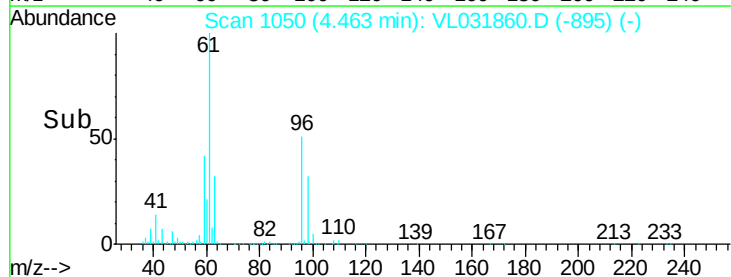
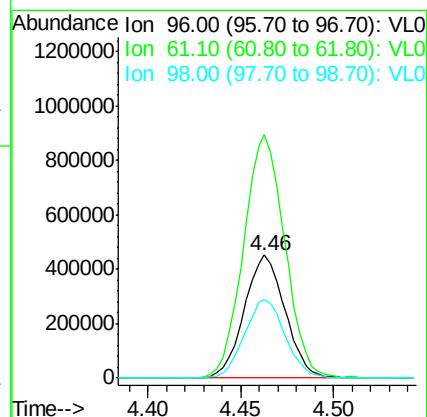
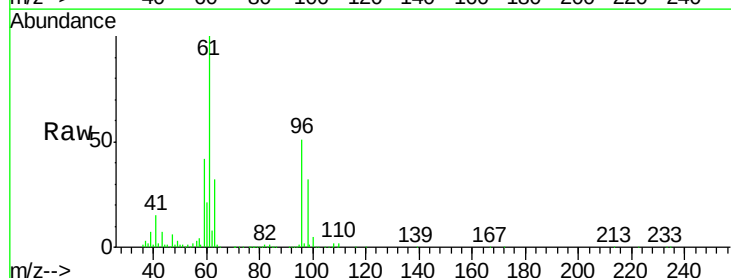
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

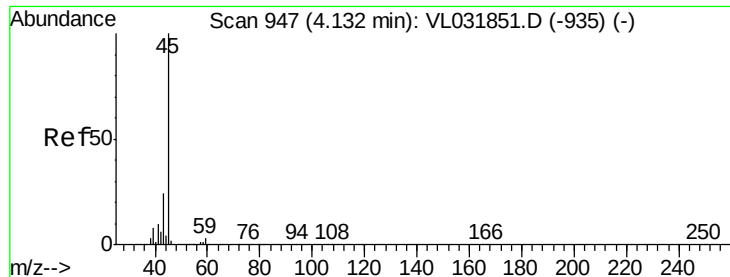
Tgt Ion: 59 Resp: 840997
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.5 12.7



#18
 1,1-Dichloroethene
 Concen: 8.80 ppbv
 RT: 4.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion: 96 Resp: 691560
 Ion Ratio Lower Upper
 96 100
 61 197.8 161.0 241.6
 98 64.2 52.7 79.1





#19

Isopropyl Alcohol

Concen: 7.85 ppbv

RT: 4.13 min Scan# 947

Delta R.T. 0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

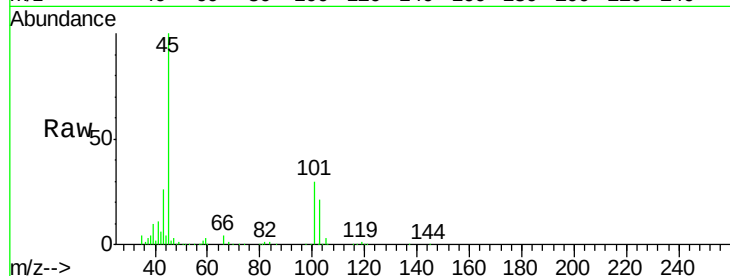
VL0412ABS01

Tgt Ion: 45 Resp: 939436

Ion Ratio Lower Upper

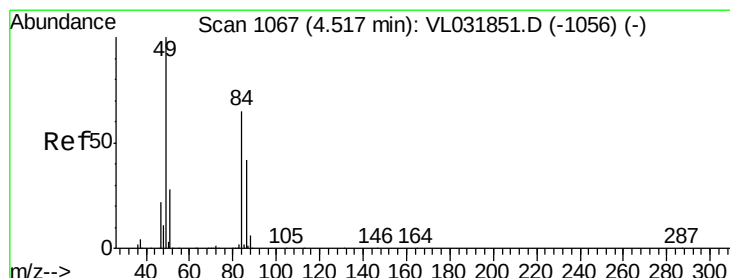
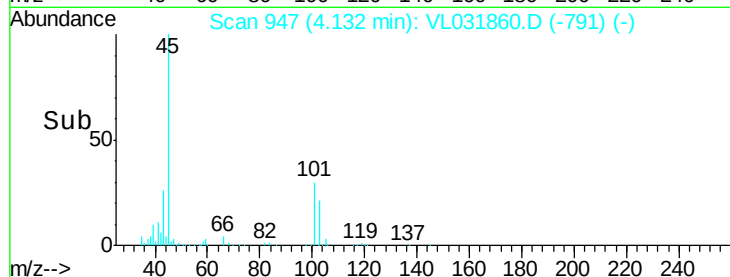
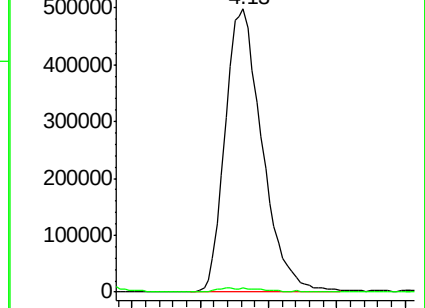
45 100

58 2.0 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.49 ppbv

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Tgt Ion: 84 Resp: 662487

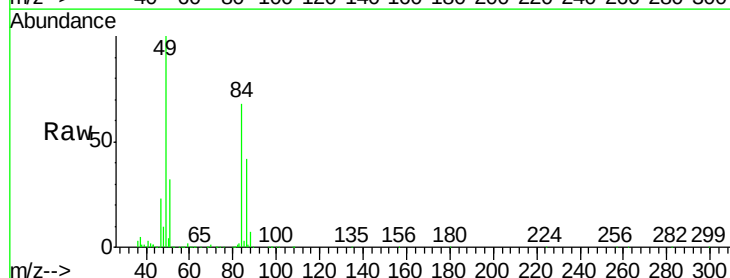
Ion Ratio Lower Upper

84 100

49 146.4 125.6 188.4

51 45.9 36.4 54.6

86 61.6 53.7 80.5

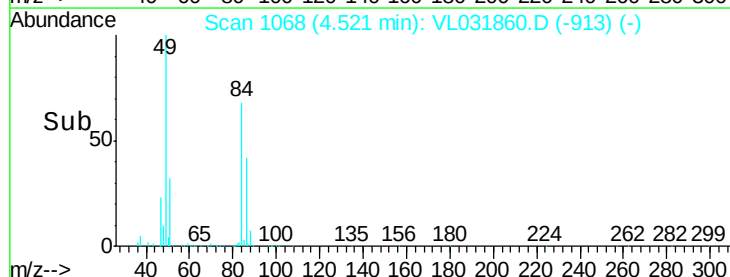
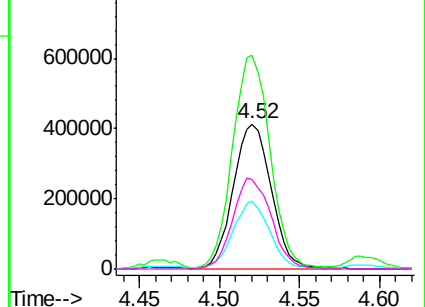


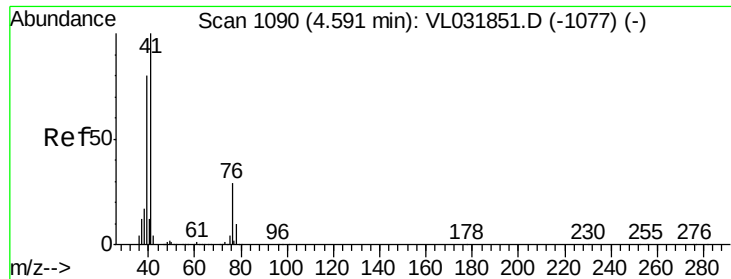
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

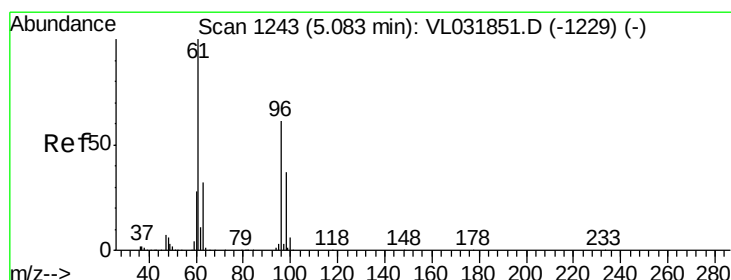
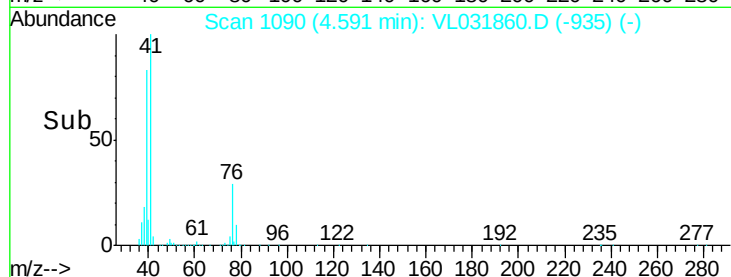
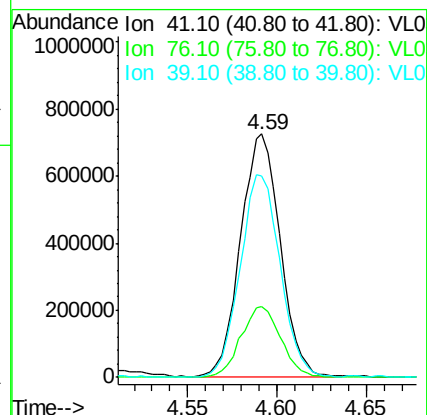
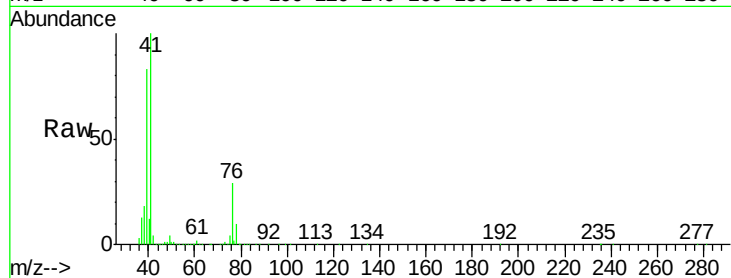




#21
 Allyl Chloride
 Concen: 9.15 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

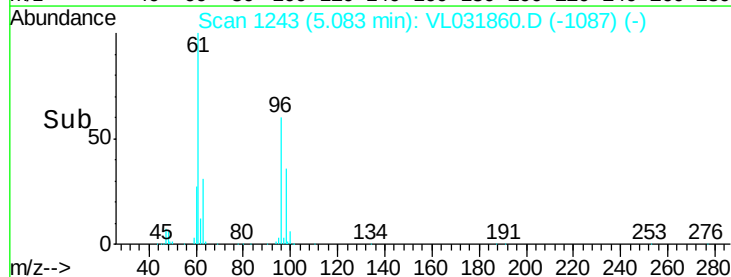
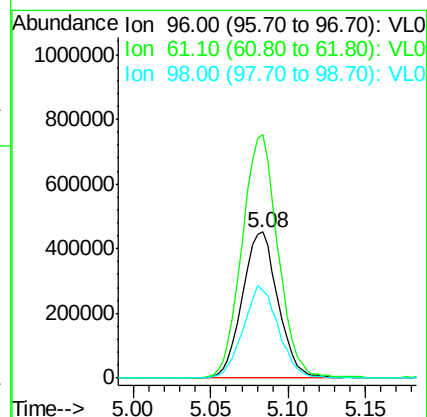
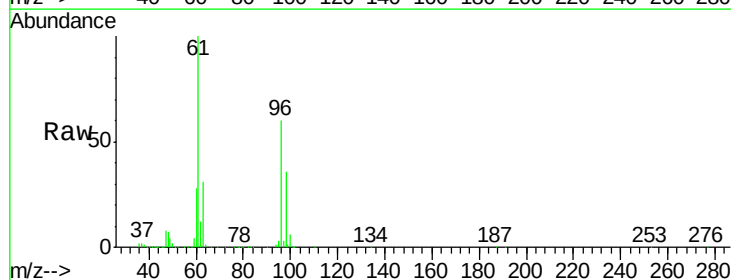
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

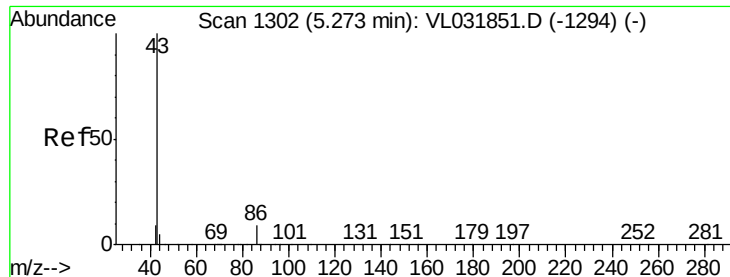
Tgt Ion: 41 Resp: 1119529
 Ion Ratio Lower Upper
 41 100
 76 29.6 23.4 35.2
 39 84.7 67.6 101.4



#22
 trans-1,2-Dichloroethene
 Concen: 8.89 ppbv
 RT: 5.08 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion: 96 Resp: 723691
 Ion Ratio Lower Upper
 96 100
 61 166.5 131.1 196.7
 98 59.6 47.6 71.4





#23

Vinyl Acetate

Concen: 9.21 ppbv

RT: 5.28 min Scan# 1303

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 43 Resp: 2001175

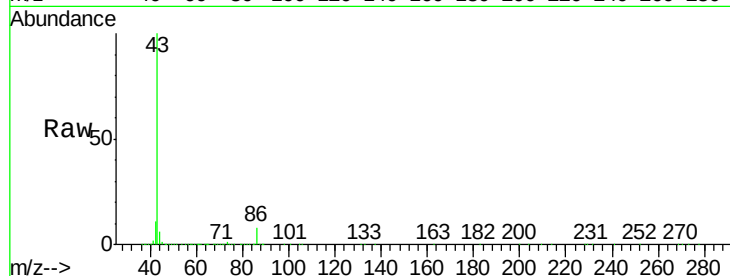
Ion Ratio Lower Upper

43 100

86 7.8 5.8 8.8

42 11.1 8.5 12.7

44 5.9 4.2 6.4

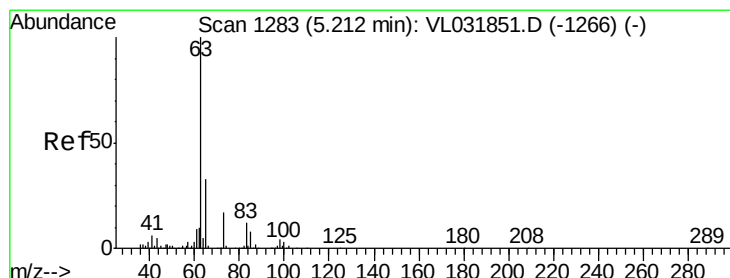
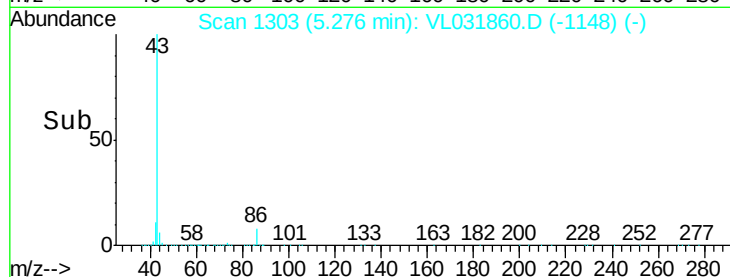
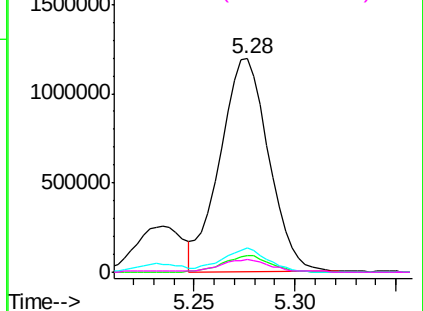


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.31 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

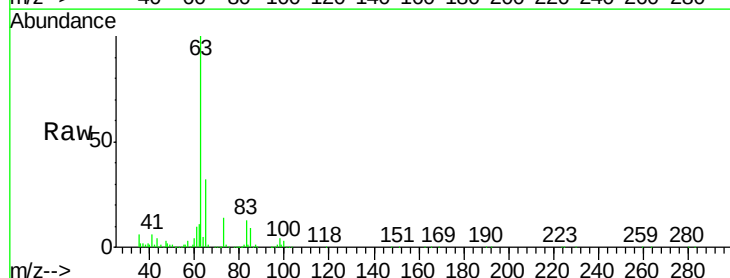
Tgt Ion: 63 Resp: 1797285

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.2

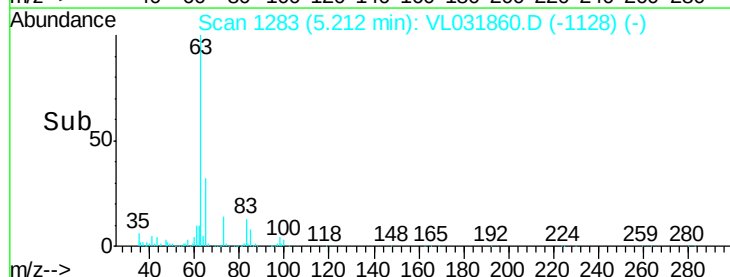
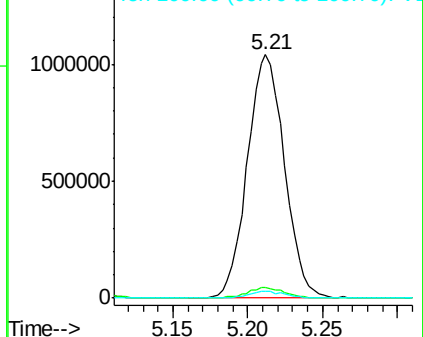
100 2.8 1.5 4.4

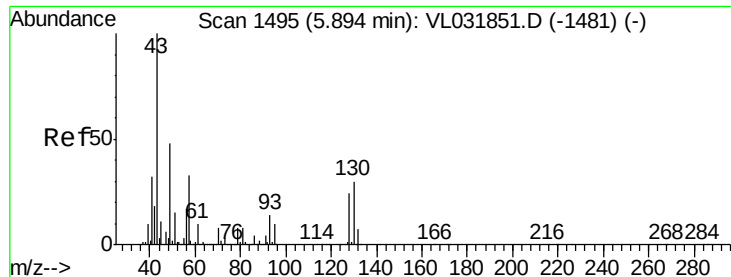


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



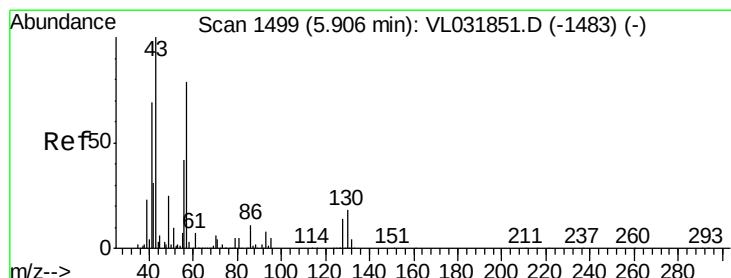
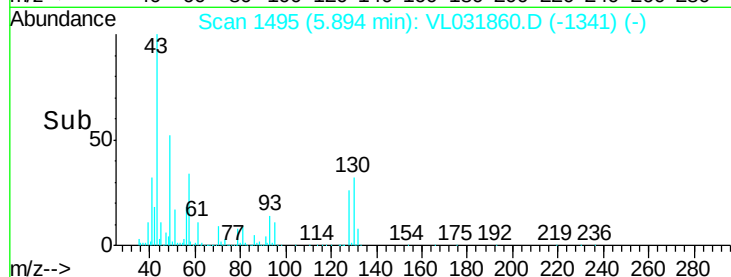
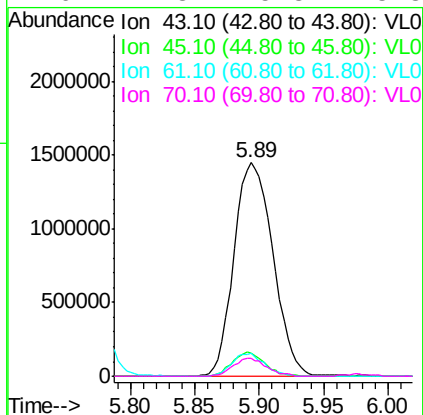
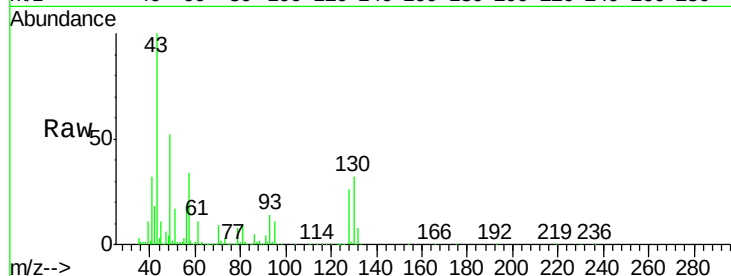


#25
Ethyl Acetate
Concen: 9.14 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

Tgt Ion: 43 Resp: 3053151

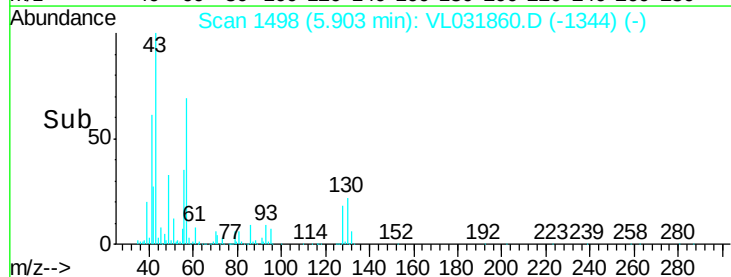
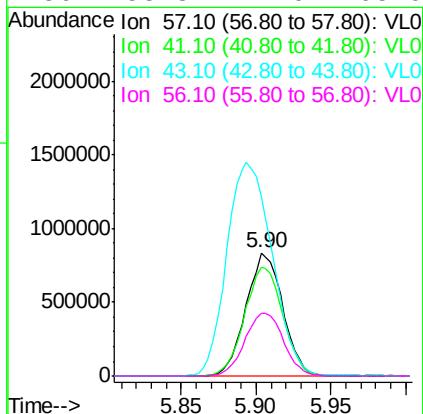
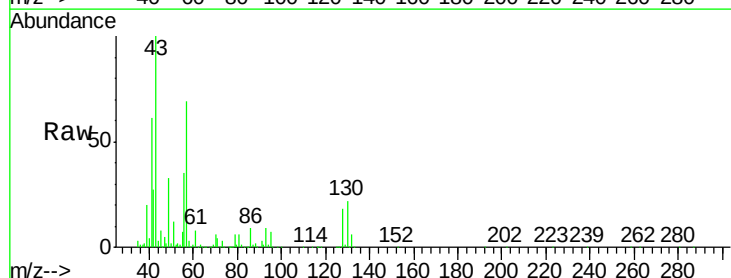
Ion	Ratio	Lower	Upper
43	100		
45	9.4	7.8	11.8
61	8.9	7.2	10.8
70	7.3	5.8	8.8

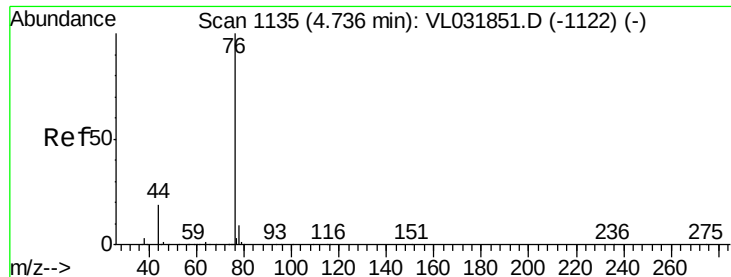


#26
Hexane
Concen: 9.18 ppbv
RT: 5.90 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion: 57 Resp: 1430309

Ion	Ratio	Lower	Upper
57	100		
41	92.0	72.0	108.0
43	214.1	169.8	254.8
56	53.8	42.0	63.0





#27

Carbon Disulfide

Concen: 9.56 ppbv

RT: 4.74 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

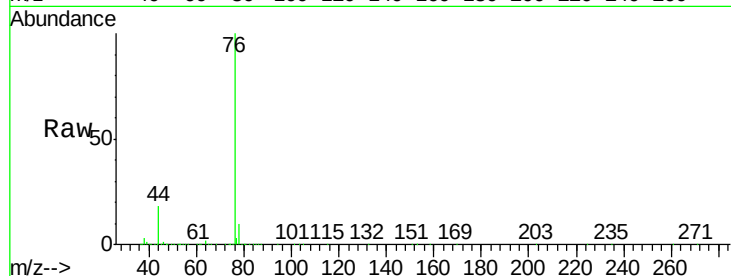
Tgt Ion: 76 Resp: 1933308

Ion Ratio Lower Upper

76 100

44 19.3 15.6 23.4

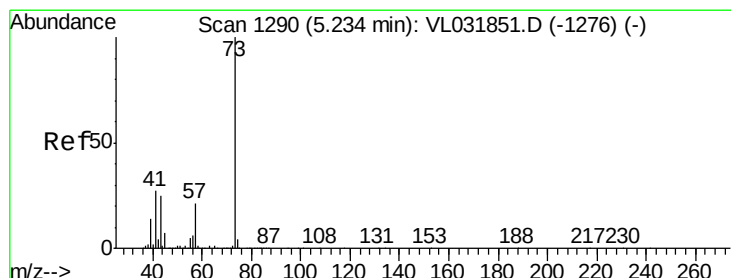
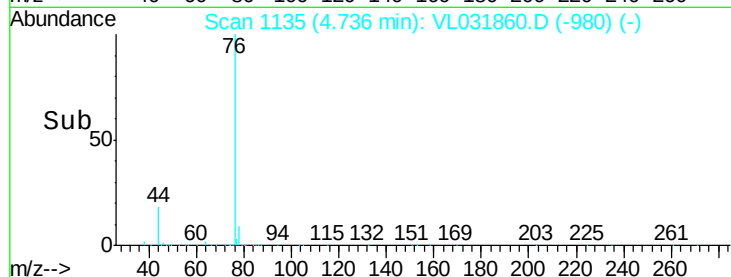
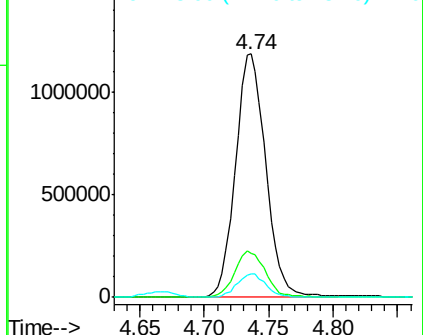
78 9.3 7.6 11.4



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: 9.09 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VL031860.D

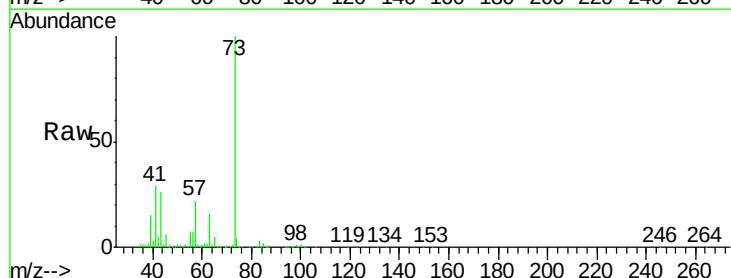
Acq: 12 Apr 2018 10:07

Tgt Ion: 73 Resp: 1741419

Ion Ratio Lower Upper

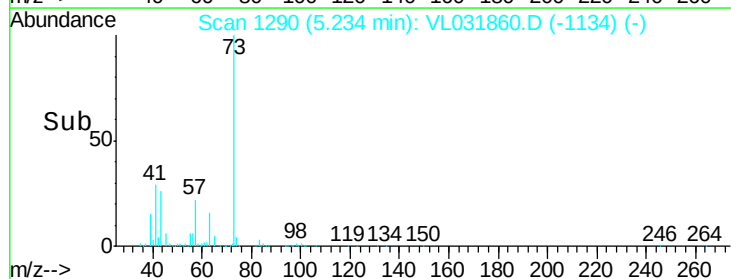
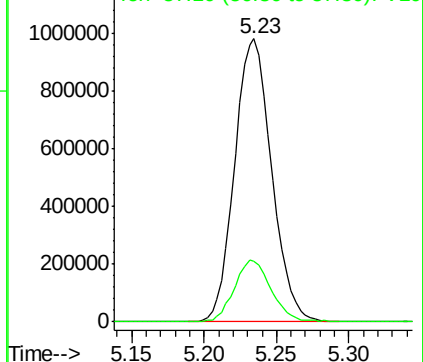
73 100

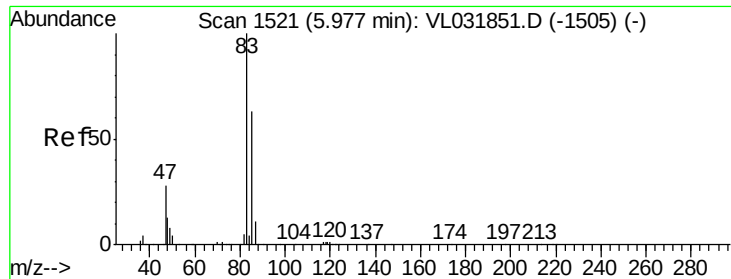
57 22.0 17.6 26.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

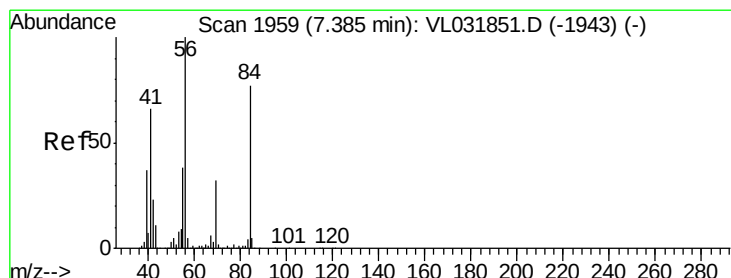
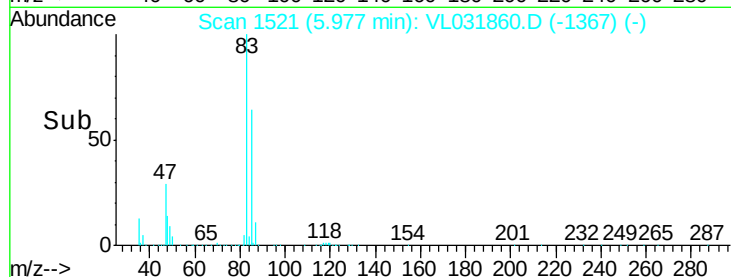
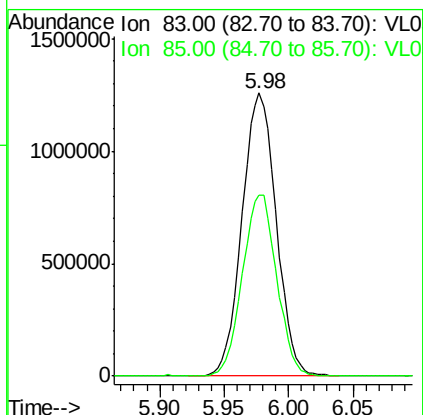
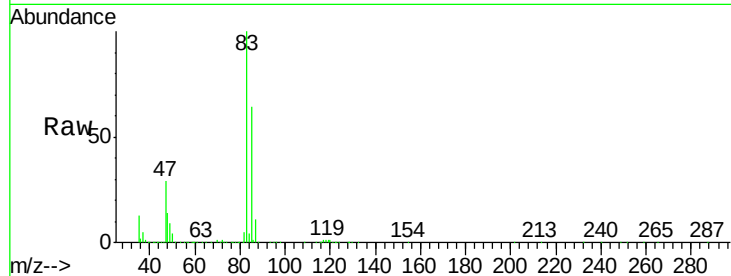




#29
Chloroform
Concen: 8.81 ppbv
RT: 5.98 min Scan# 1521
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

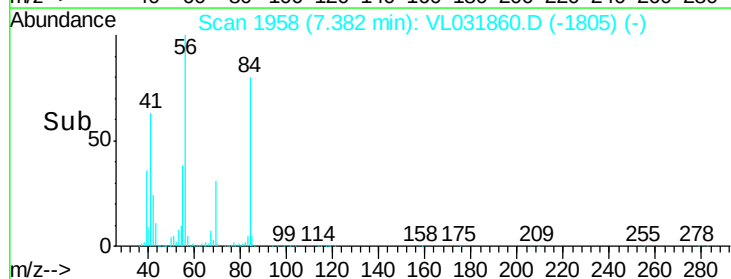
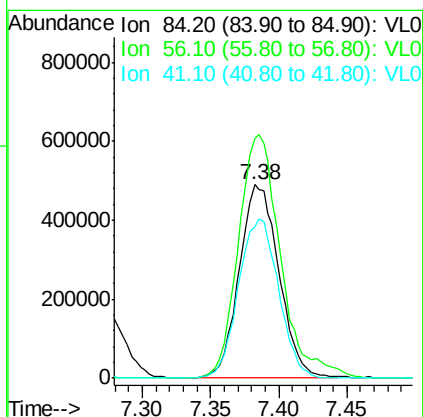
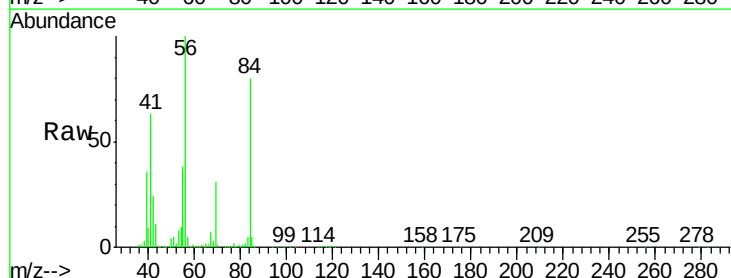
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

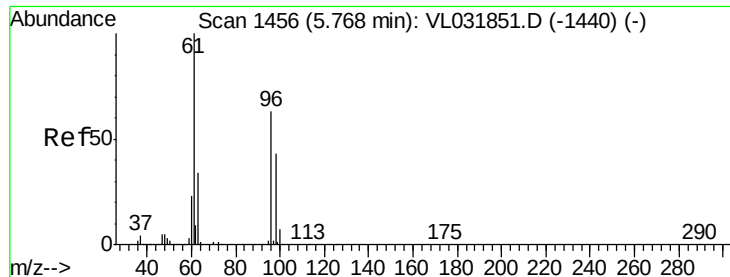
Tgt Ion: 83 Resp: 2325167
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.0



#30
Cyclohexane
Concen: 8.93 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.01 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion: 84 Resp: 992801
Ion Ratio Lower Upper
84 100
56 133.5 107.7 161.5
41 83.4 68.2 102.2

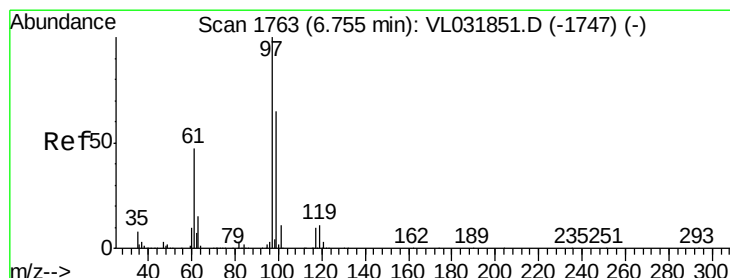
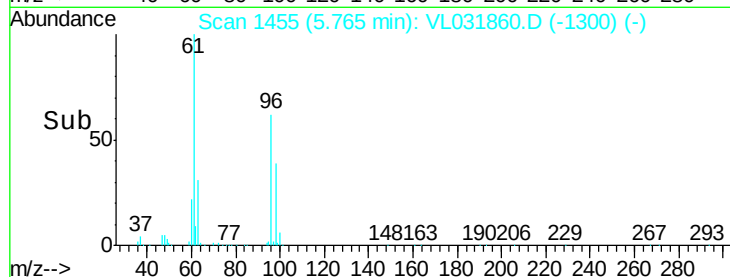
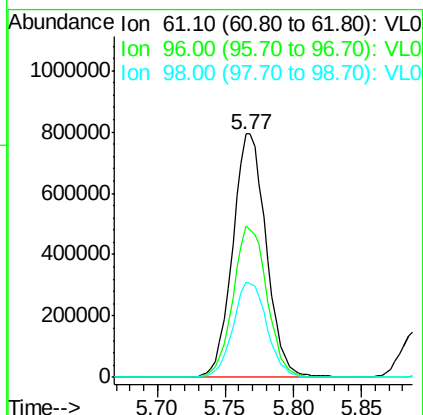
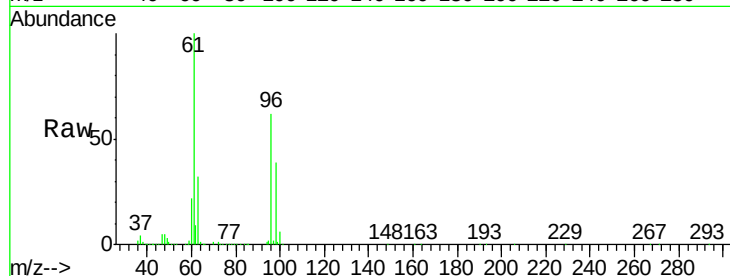




#31
 cis-1,2-Dichloroethene
 Concen: 9.62 ppbv
 RT: 5.77 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

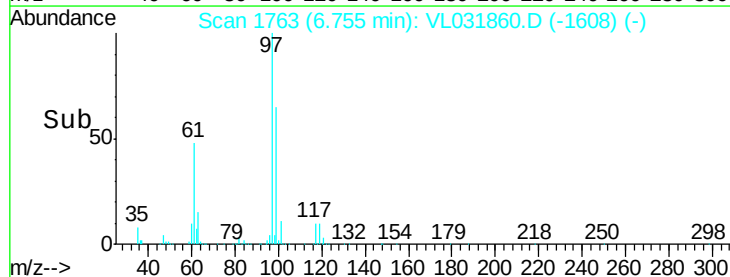
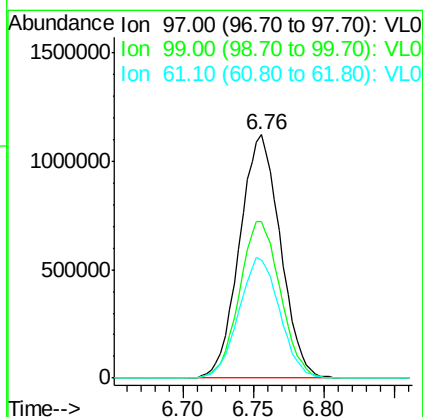
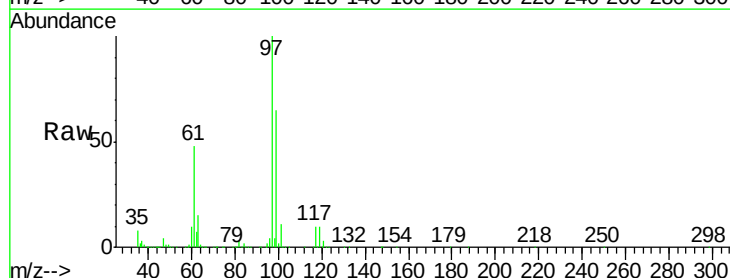
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

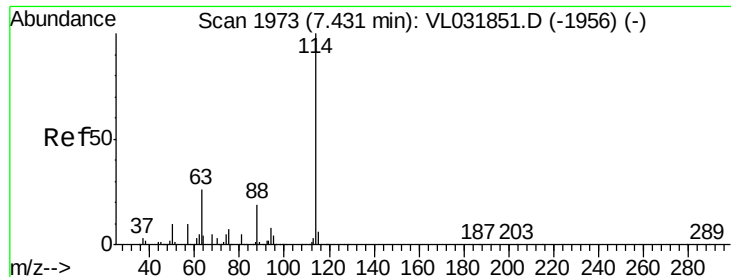
Tgt Ion: 61 Resp: 1357038
 Ion Ratio Lower Upper
 61 100
 96 62.2 47.6 71.4
 98 39.1 30.3 45.5



#32
 1,1,1-Trichloroethane
 Concen: 8.84 ppbv
 RT: 6.76 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion: 97 Resp: 2272540
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.5 77.3
 61 49.6 40.0 60.0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

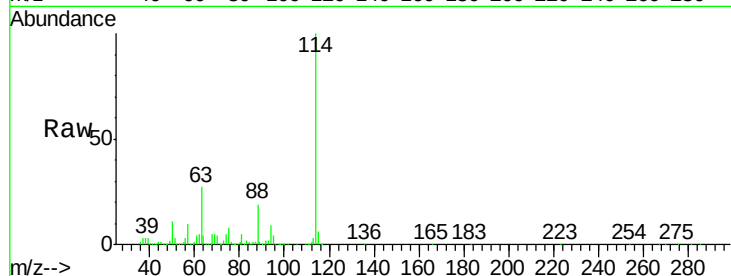
Tgt Ion:114 Resp: 2829564

Ion Ratio Lower Upper

114 100

63 27.1 21.8 32.6

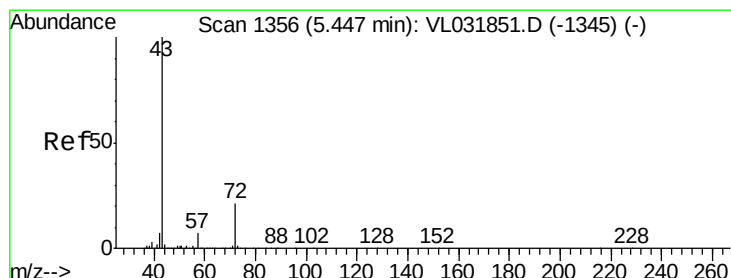
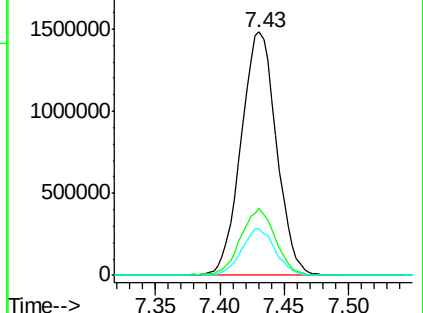
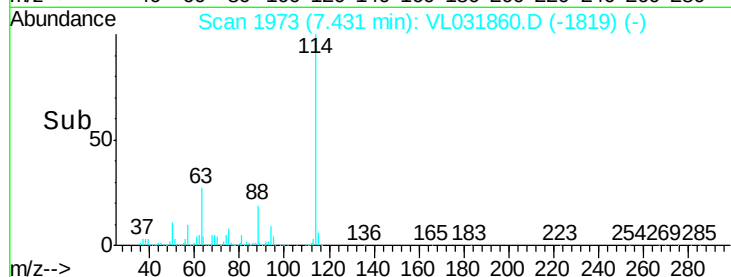
88 18.4 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.42 ppbv

RT: 5.45 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VL031860.D

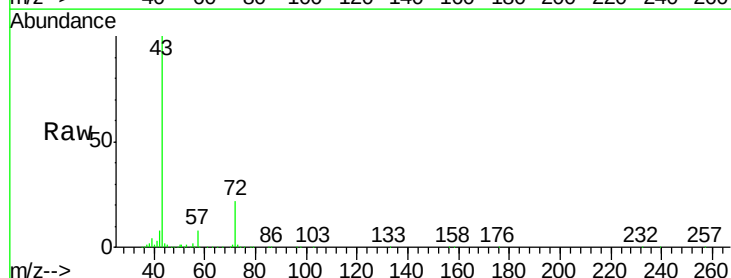
Acq: 12 Apr 2018 10:07

Tgt Ion: 43 Resp: 1849990

Ion Ratio Lower Upper

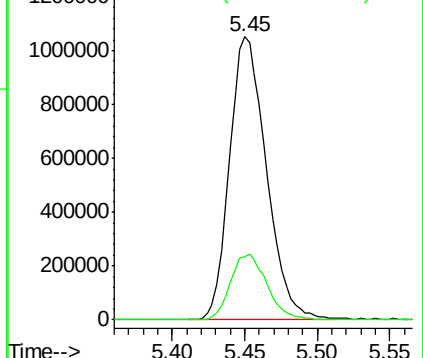
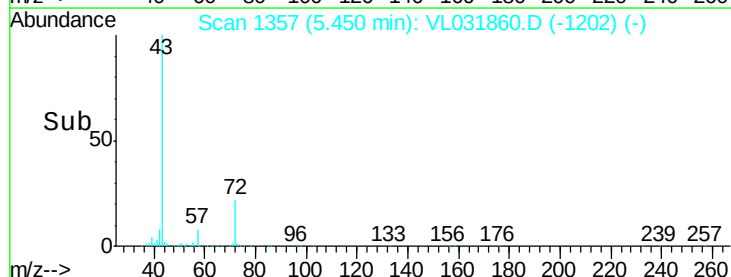
43 100

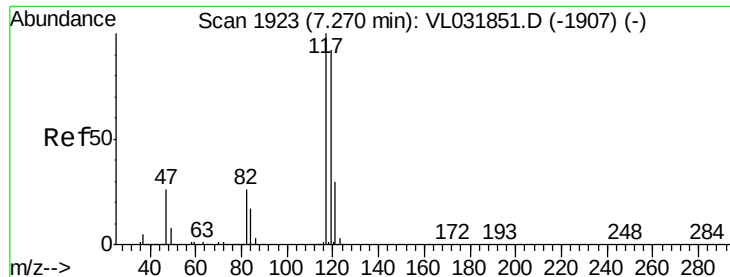
72 23.0 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

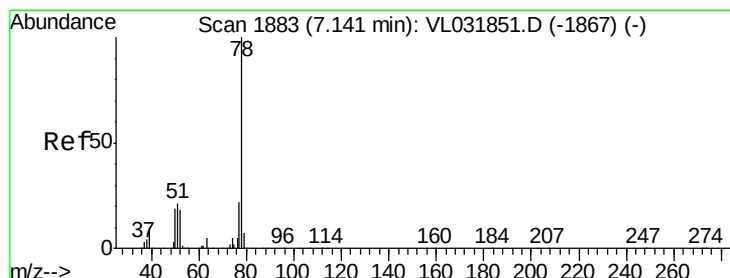
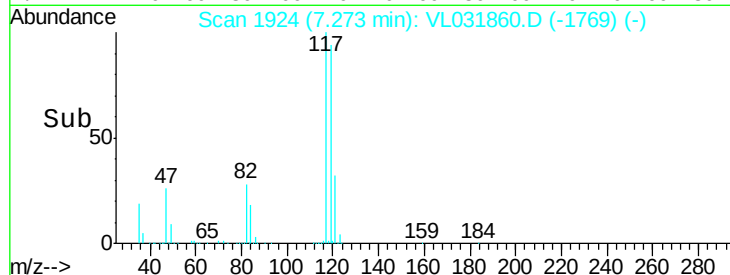
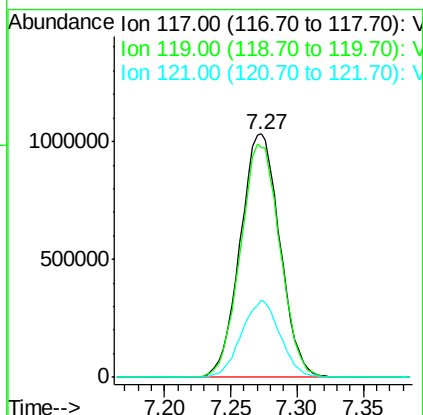
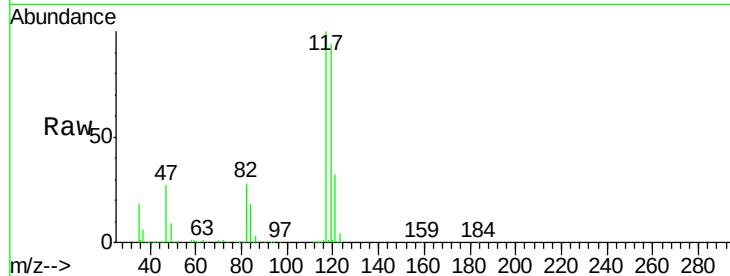




#35
Carbon Tetrachloride
Concen: 8.74 ppbv
RT: 7.27 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

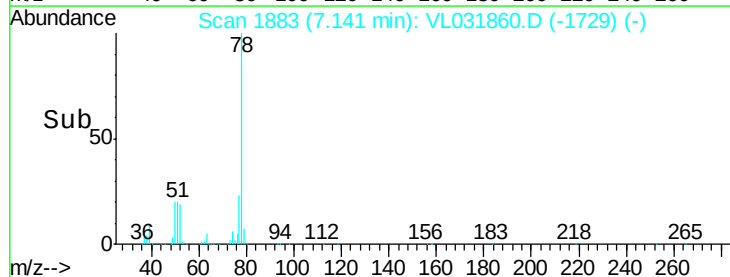
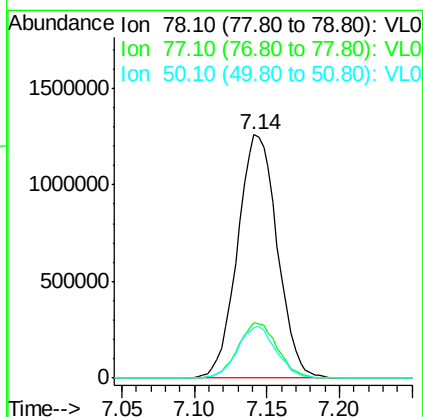
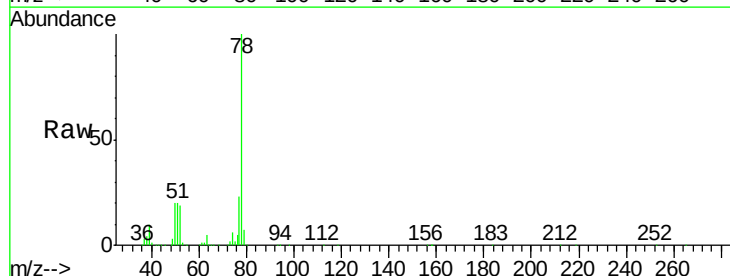
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

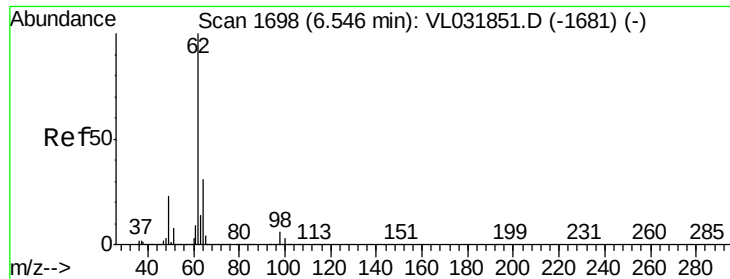
Tgt Ion: 117 Resp: 2146898
Ion Ratio Lower Upper
117 100
119 94.4 76.9 115.3
121 31.6 24.5 36.7



#36
Benzene
Concen: 9.43 ppbv
RT: 7.14 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion: 78 Resp: 2398980
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8
50 20.4 16.7 25.1

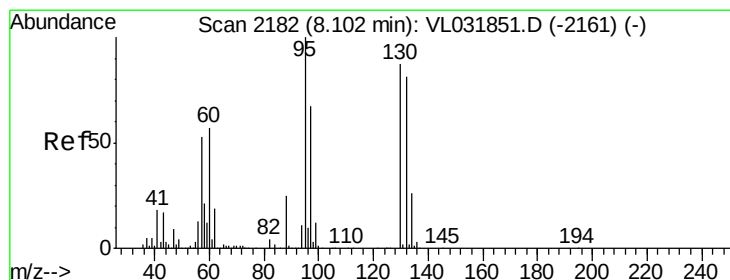
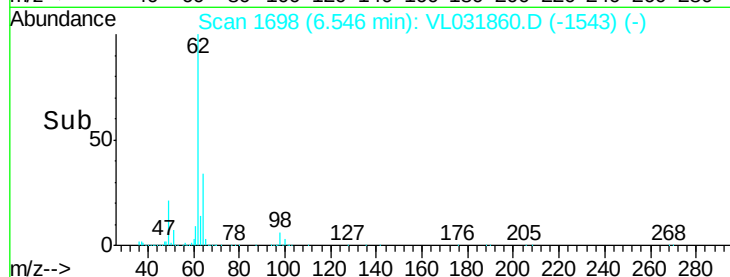
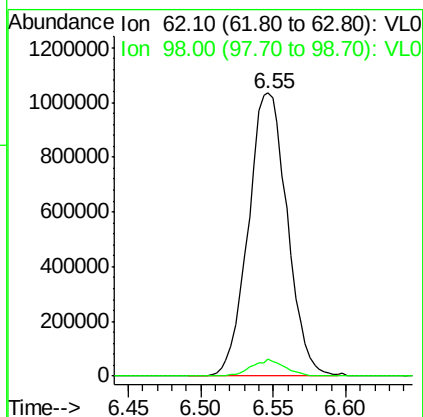
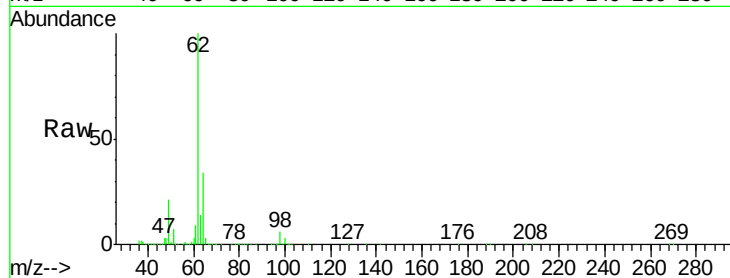




#37
 1,2-Dichloroethane
 Concen: 10.22 ppbv
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

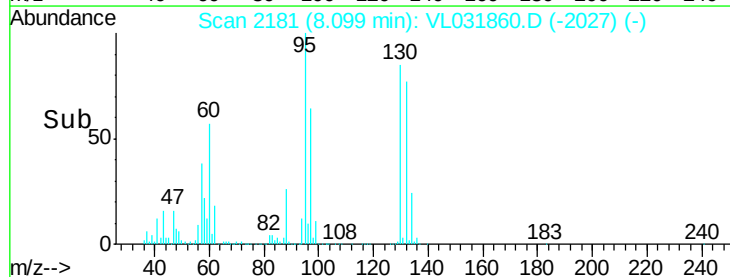
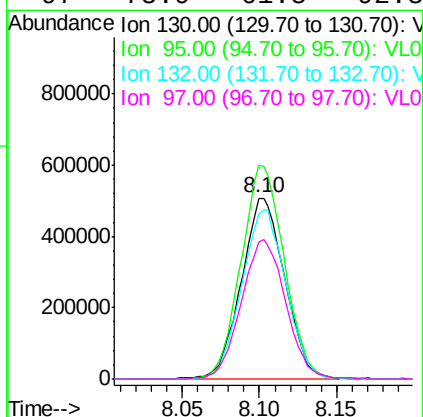
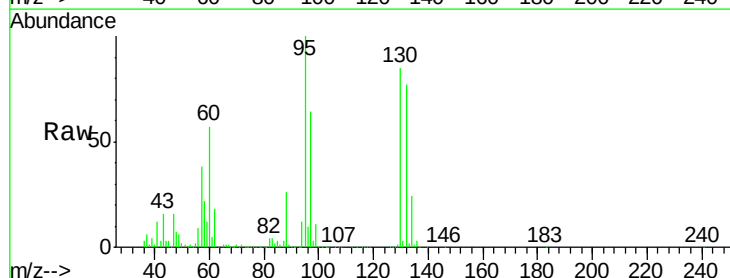
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

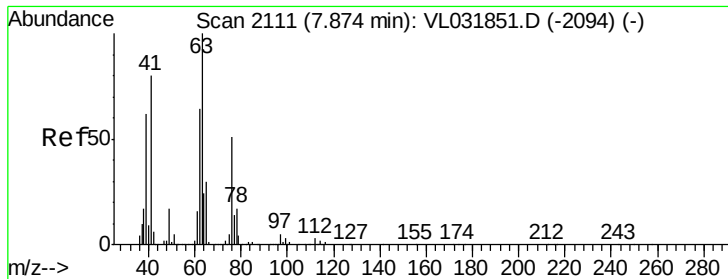
Tgt Ion: 62 Resp: 1935453
 Ion Ratio Lower Upper
 62 100
 98 5.1 4.0 6.0



#38
 Trichloroethene
 Concen: 9.45 ppbv
 RT: 8.10 min Scan# 2181
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion: 130 Resp: 976274
 Ion Ratio Lower Upper
 130 100
 95 118.5 96.6 144.8
 132 91.8 79.1 118.7
 97 75.9 61.5 92.3





#39

1,2-Dichloropropane

Concen: 8.99 ppbv

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

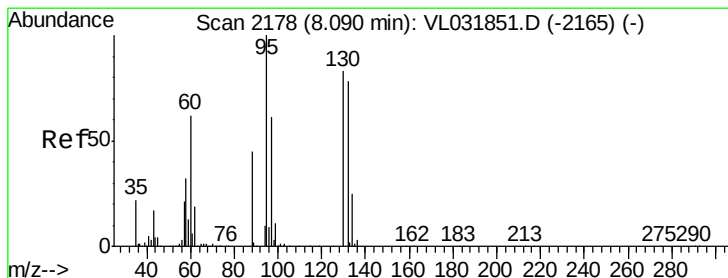
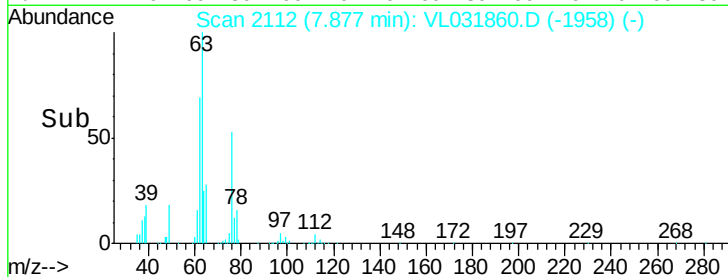
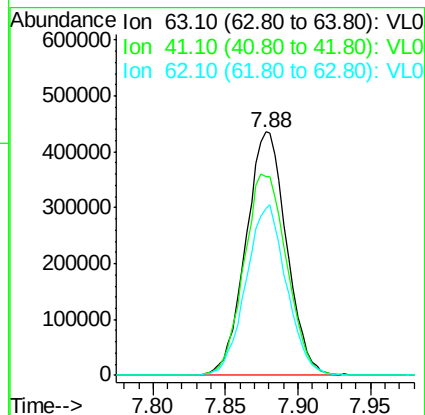
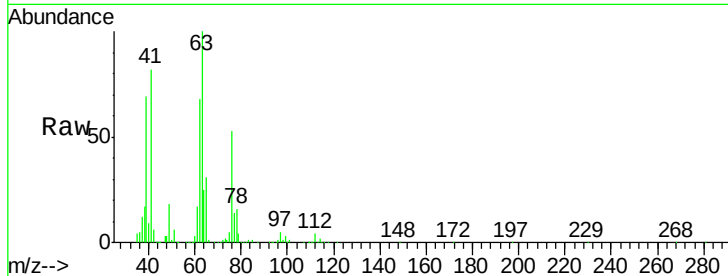
Tgt Ion: 63 Resp: 850781

Ion Ratio Lower Upper

63 100

41 81.8 65.8 98.6

62 68.4 55.0 82.6



#40

1,4-Dioxane

Concen: 10.21 ppbv

RT: 8.09 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Tgt Ion: 88 Resp: 392040

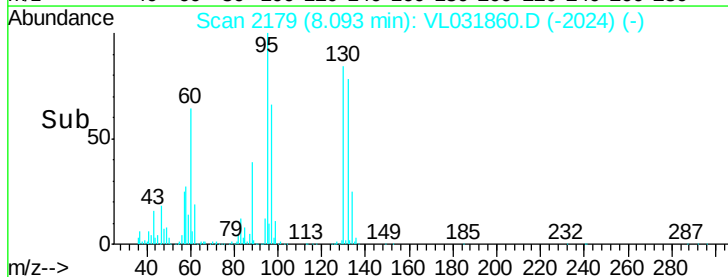
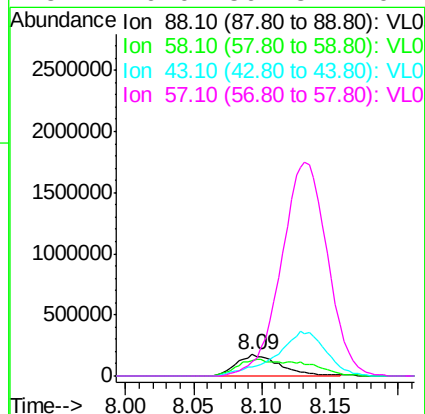
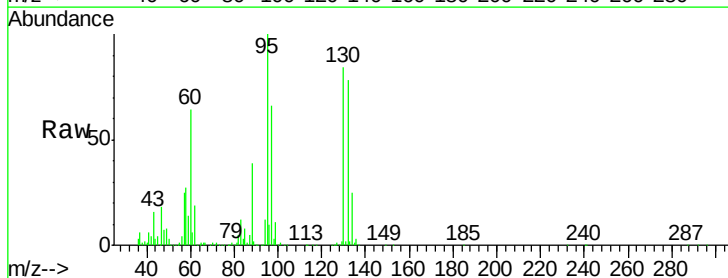
Ion Ratio Lower Upper

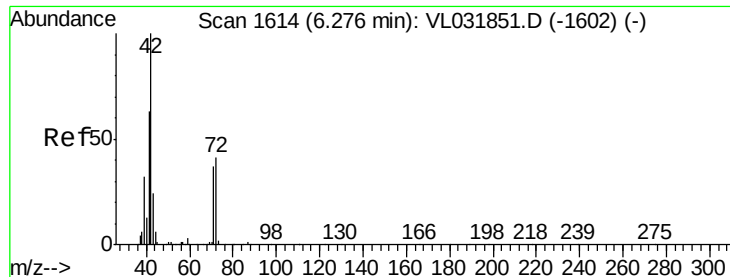
88 100

58 126.4 98.5 147.7

43 0.0 194.3 291.5#

57 0.0 861.8 1292.6#





#41

Tetrahydrofuran

Concen: 10.60 ppbv

RT: 6.28 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

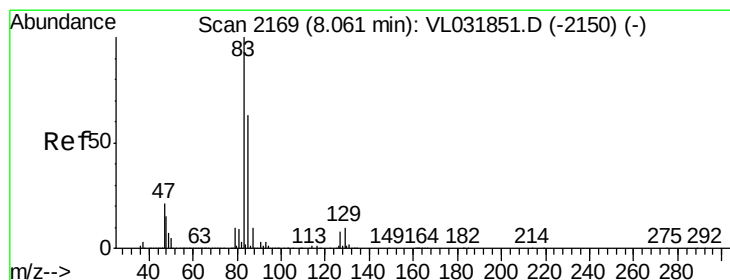
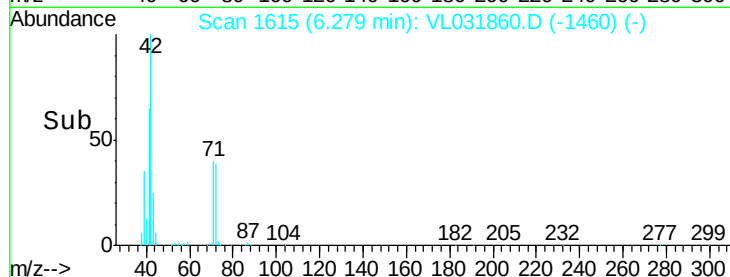
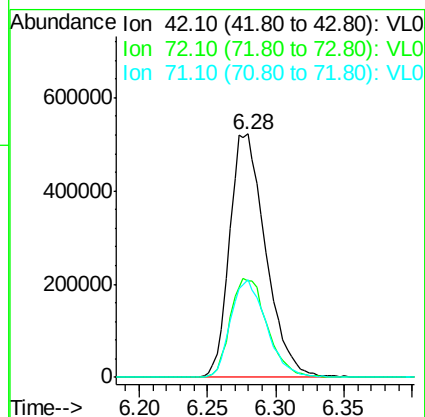
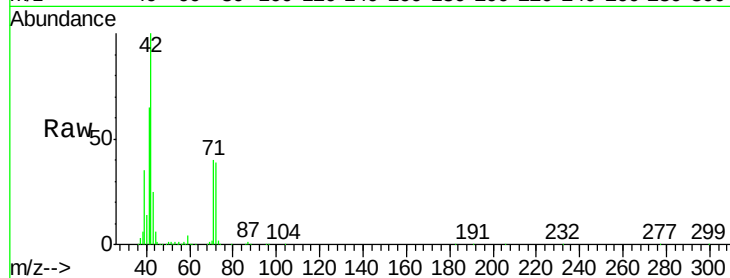
Tgt Ion: 42 Resp: 962883

Ion Ratio Lower Upper

42 100

72 41.5 33.2 49.8

71 39.8 31.5 47.3



#42

Bromodichloromethane

Concen: 9.50 ppbv

RT: 8.06 min Scan# 2169

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

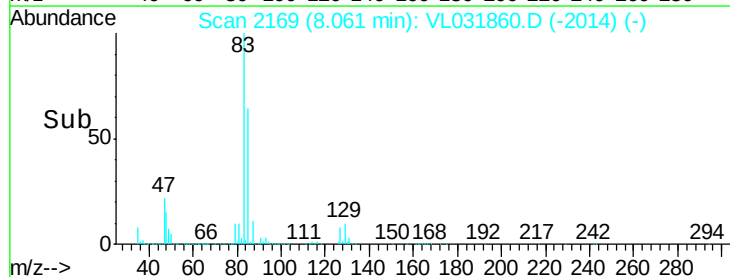
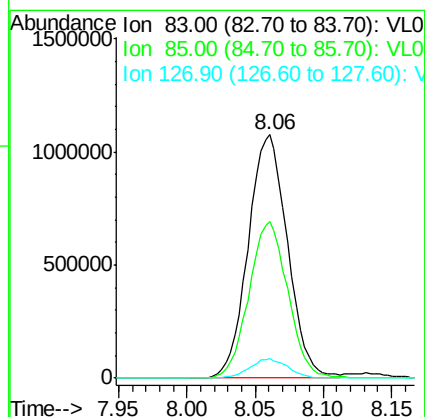
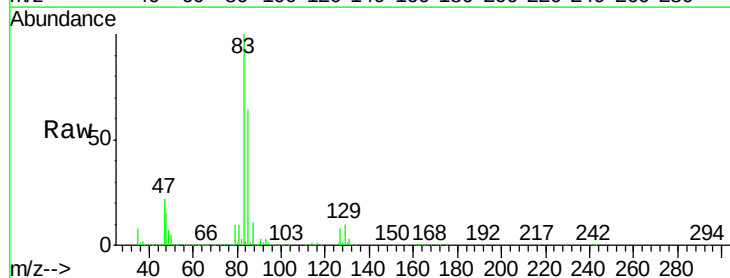
Tgt Ion: 83 Resp: 2151554

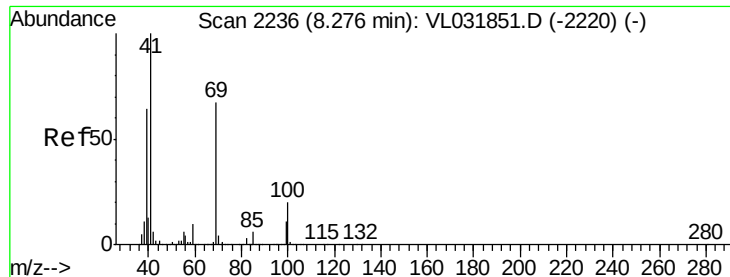
Ion Ratio Lower Upper

83 100

85 64.1 50.5 75.7

127 8.0 6.0 9.0

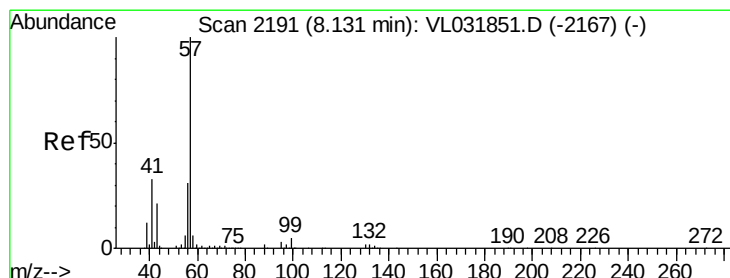
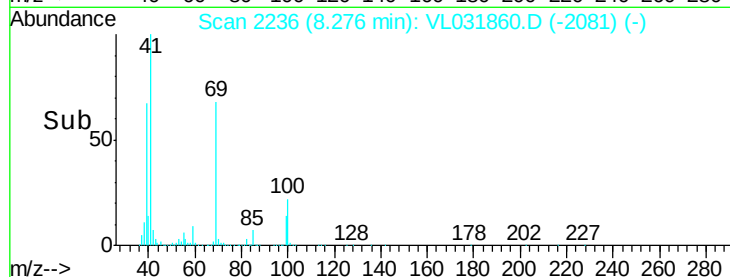
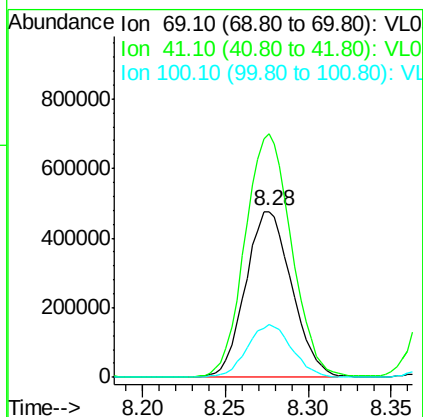
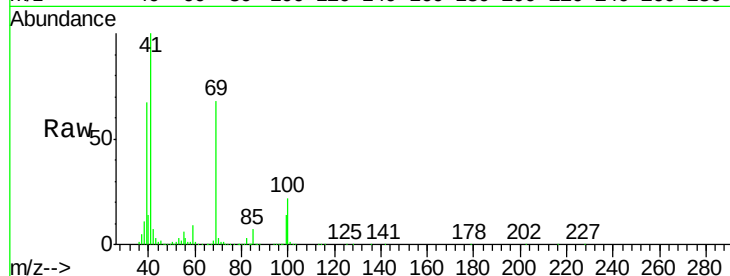




#43
Methyl Methacrylate
Concen: 10.35 ppbv
RT: 8.28 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

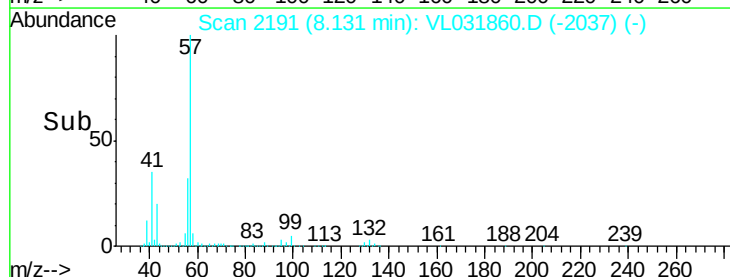
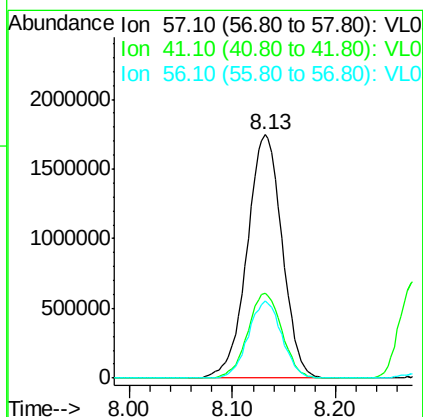
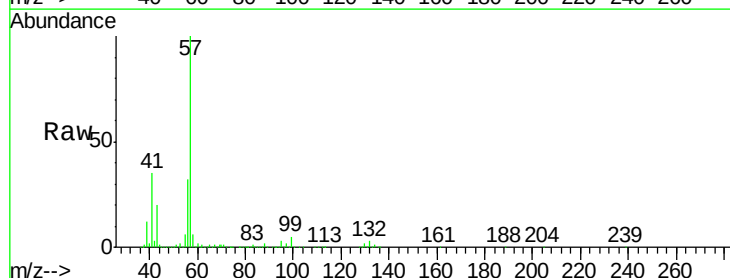
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

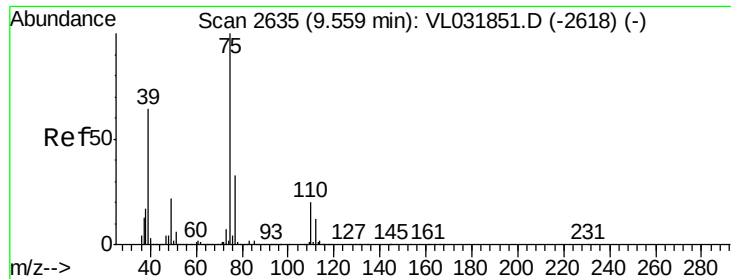
Tgt Ion: 69 Resp: 927274
Ion Ratio Lower Upper
69 100
41 148.0 117.8 176.8
100 31.2 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 9.38 ppbv
RT: 8.13 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion: 57 Resp: 4111389
Ion Ratio Lower Upper
57 100
41 34.1 27.0 40.6
56 30.4 24.1 36.1





#45

t-1,3-Dichloropropene

Concen: 11.63 ppbv

RT: 9.56 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

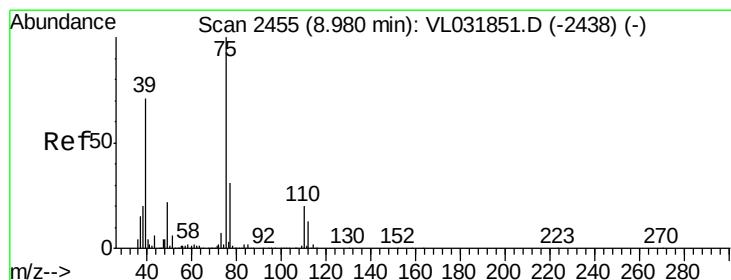
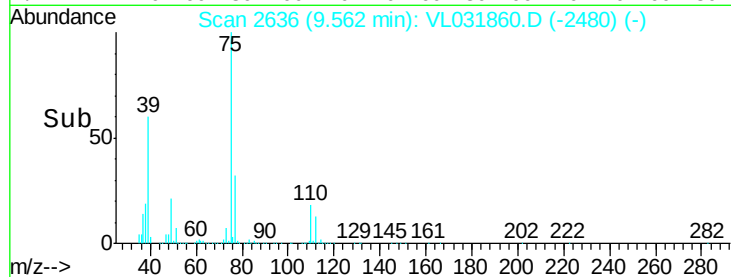
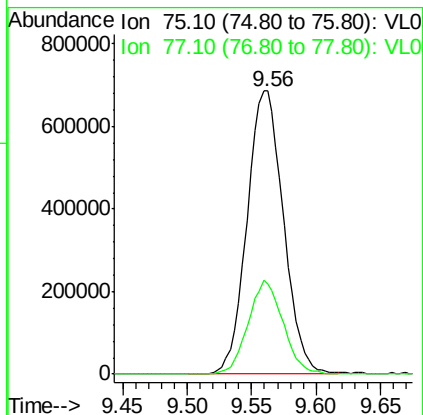
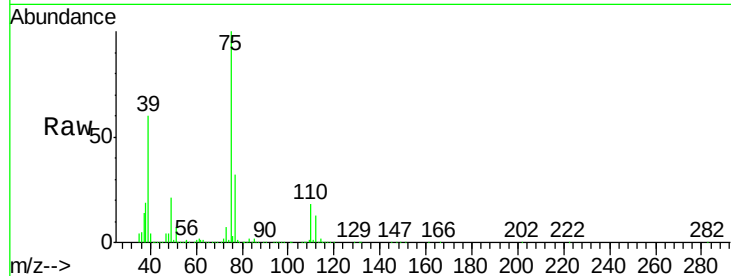
VL0412ABS01

Tgt Ion: 75 Resp: 1351359

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



#46

cis-1,3-Dichloropropene

Concen: 11.05 ppbv

RT: 8.98 min Scan# 2455

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

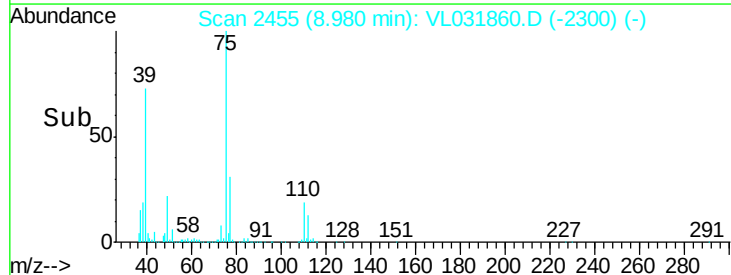
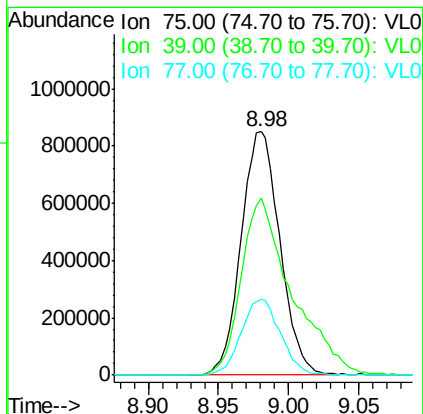
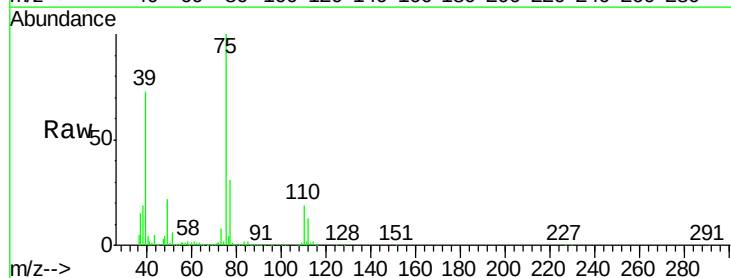
Tgt Ion: 75 Resp: 1640640

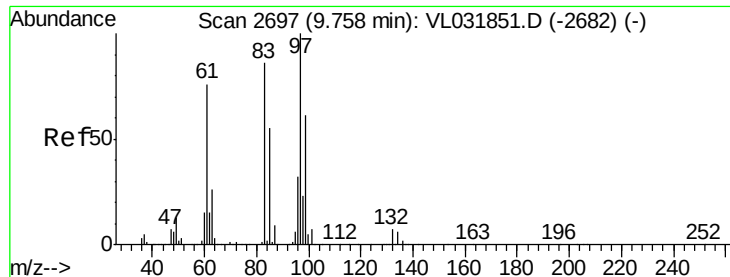
Ion Ratio Lower Upper

75 100

39 72.6 58.6 87.8

77 31.1 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 9.25 ppbv

RT: 9.76 min Scan# 2698

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

Tgt Ion: 97 Resp: 1040048

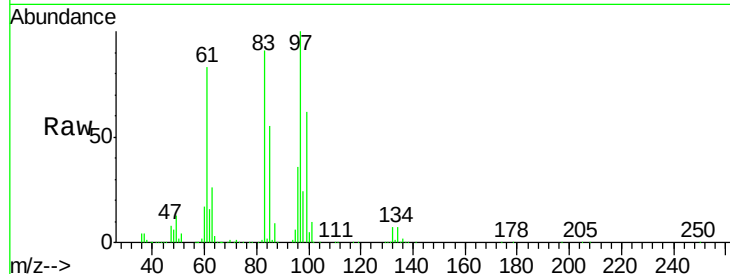
Ion Ratio Lower Upper

97 100

83 90.8 69.1 103.7

85 55.0 43.7 65.5

99 61.6 49.4 74.2

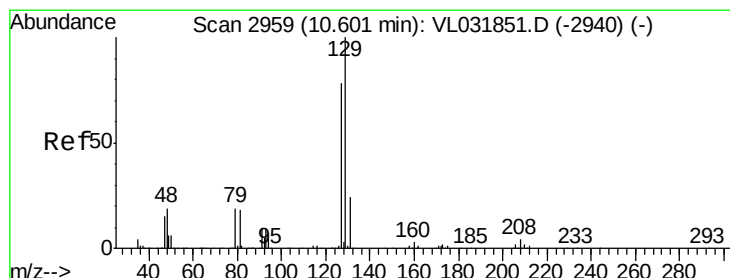
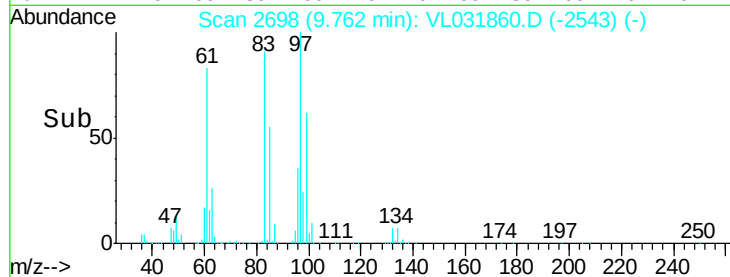
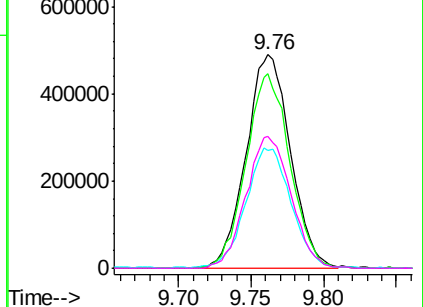


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.80 ppbv

RT: 10.60 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VL031860.D

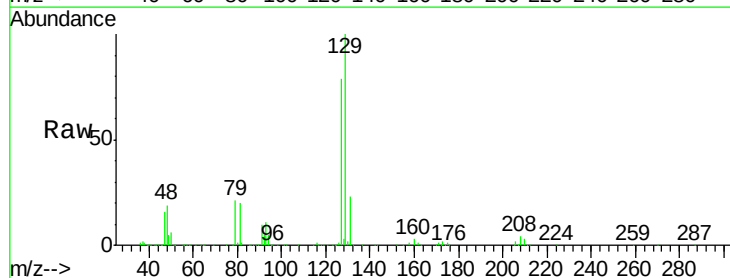
Acq: 12 Apr 2018 10:07

Tgt Ion: 129 Resp: 1780260

Ion Ratio Lower Upper

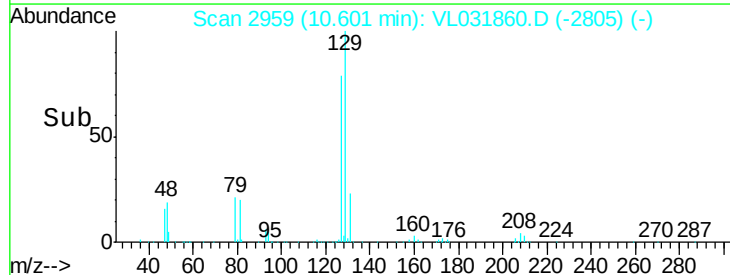
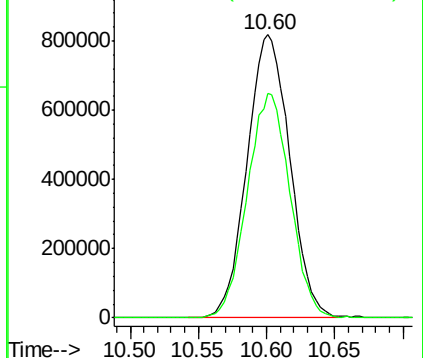
129 100

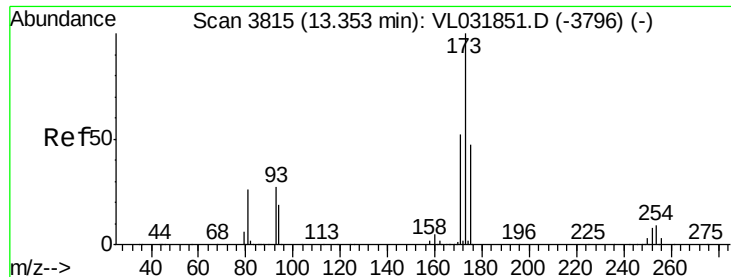
127 79.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.81 ppbv

RT: 13.35 min Scan# 3815

Delta R.T. -0.01 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

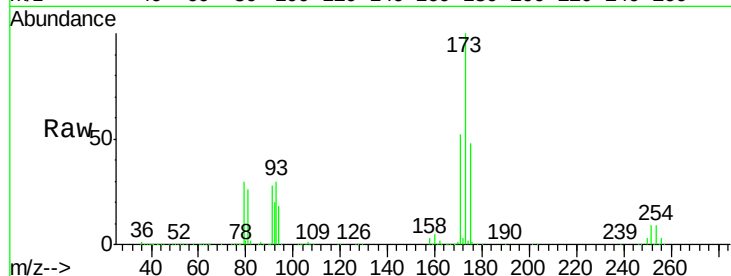
Tgt Ion:173 Resp: 1372109

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

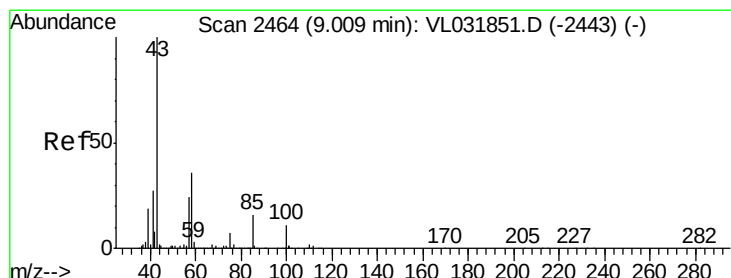
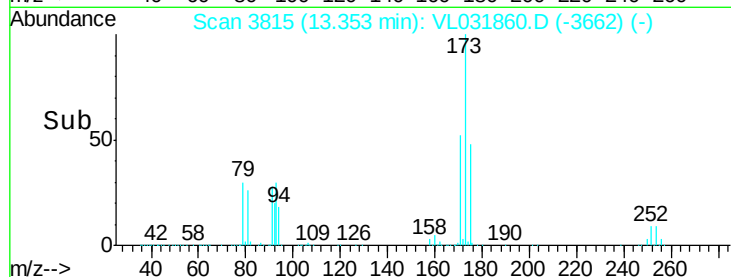
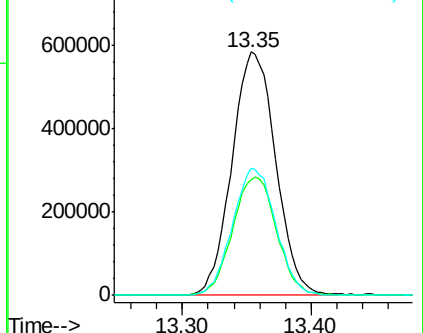
171 52.0 41.4 62.0



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: 9.91 ppbv

RT: 9.02 min Scan# 2466

Delta R.T. -0.00 min

Lab File: VL031860.D

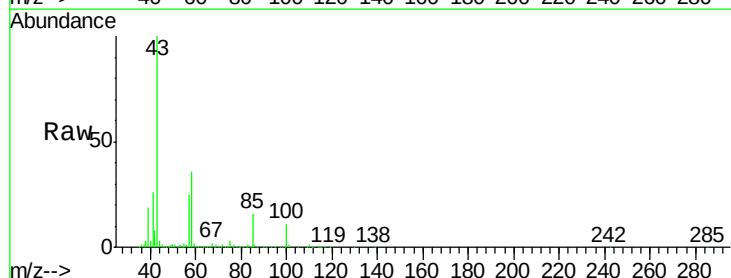
Acq: 12 Apr 2018 10:07

Tgt Ion: 43 Resp: 2226345

Ion Ratio Lower Upper

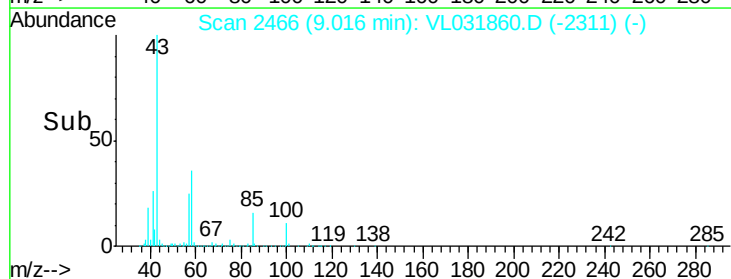
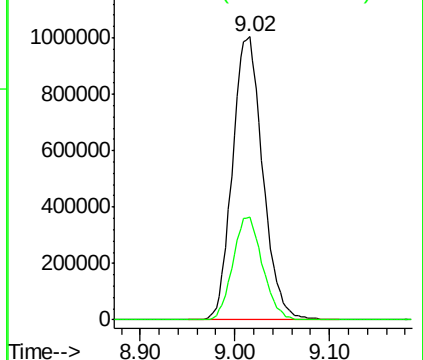
43 100

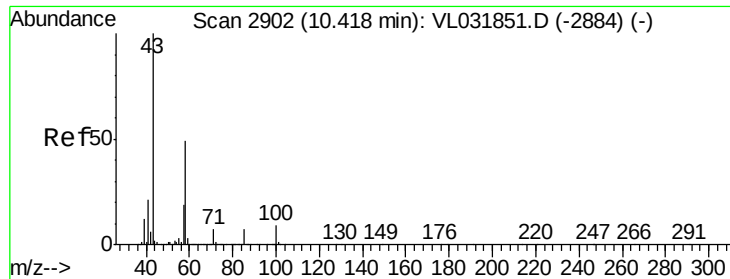
58 35.9 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.71 ppbv

RT: 10.41 min Scan# 2901

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

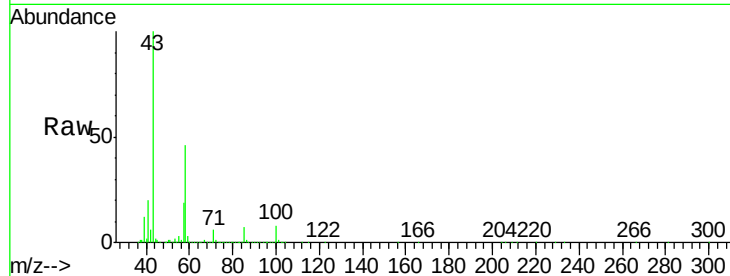
Tgt Ion: 43 Resp: 2102733

Ion Ratio Lower Upper

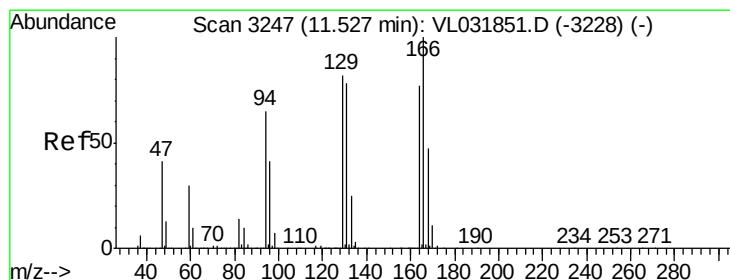
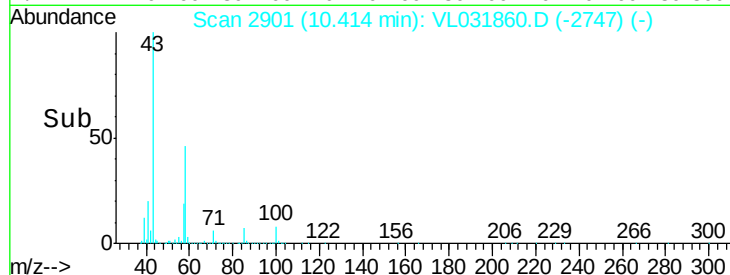
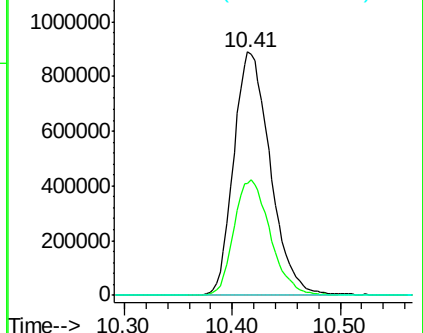
43 100

58 47.3 38.5 57.7

98 0.4 0.2 0.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.34 ppbv

RT: 11.52 min Scan# 3246

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Tgt Ion: 164 Resp: 926025

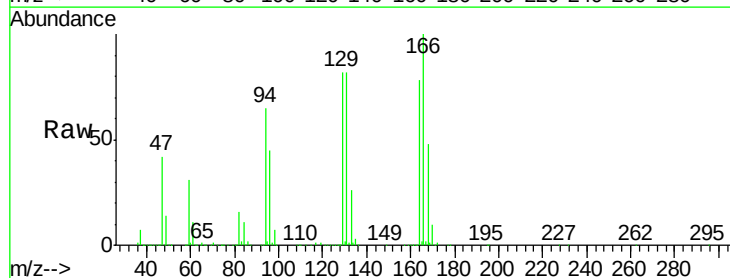
Ion Ratio Lower Upper

164 100

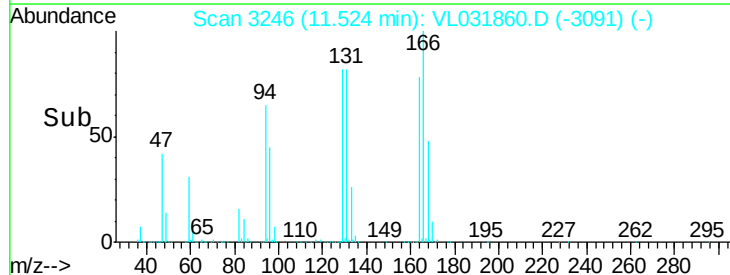
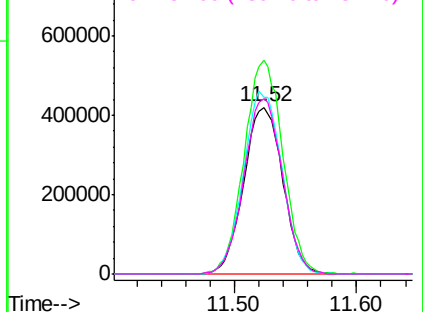
166 127.8 98.2 147.4

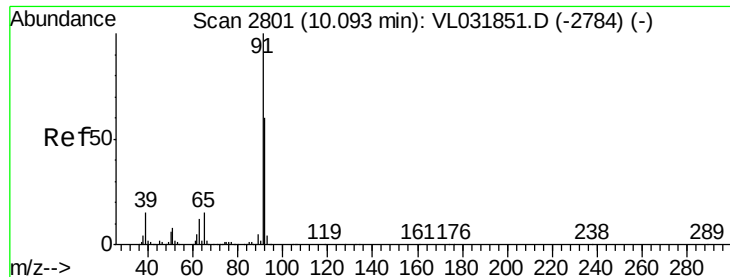
129 105.4 86.5 129.7

131 105.1 82.2 123.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.35 ppbv

RT: 10.10 min Scan# 2802

Delta R.T. 0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

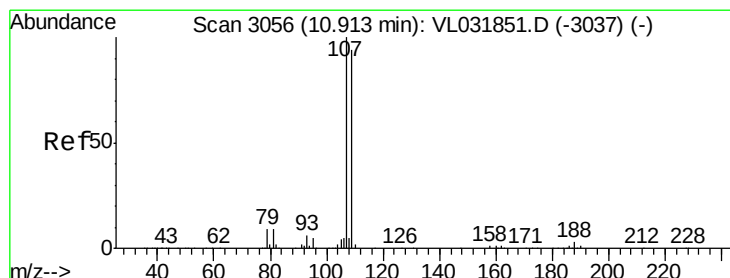
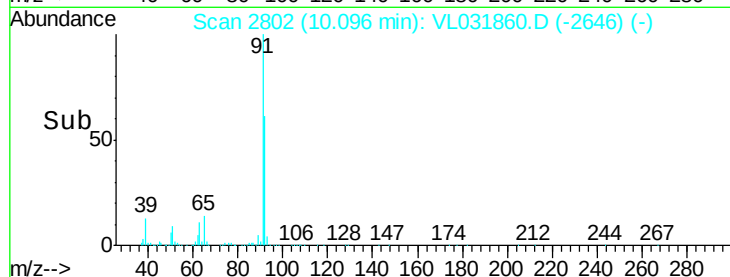
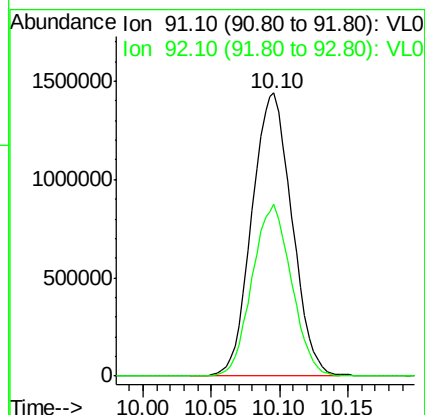
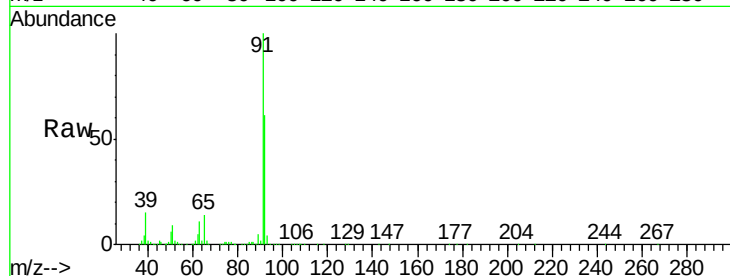
VL0412ABS01

Tgt Ion: 91 Resp: 2937579

Ion Ratio Lower Upper

91 100

92 59.7 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.67 ppbv

RT: 10.91 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VL031860.D

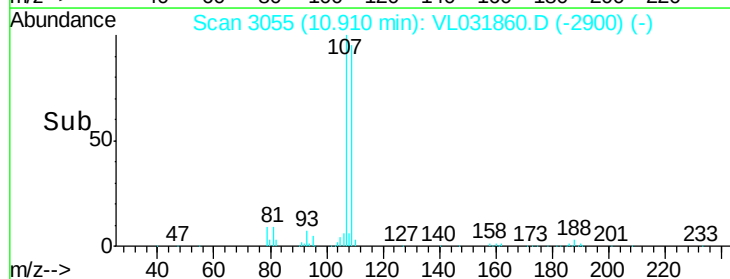
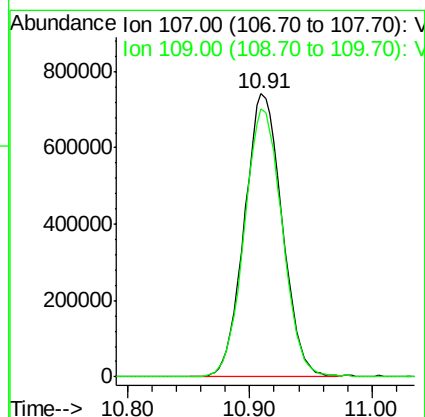
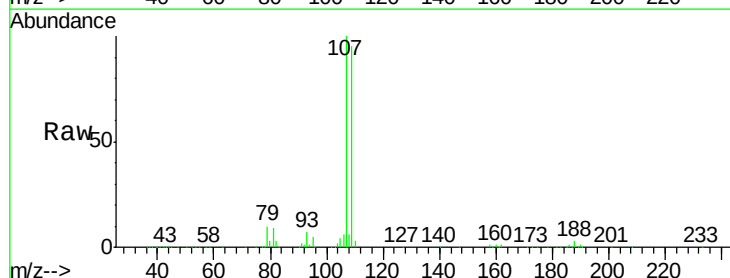
Acq: 12 Apr 2018 10:07

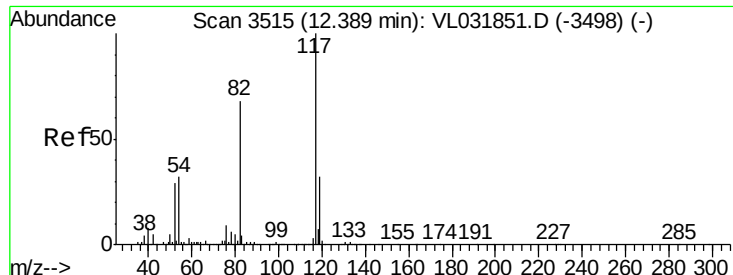
Tgt Ion: 107 Resp: 1577867

Ion Ratio Lower Upper

107 100

109 94.9 74.6 112.0

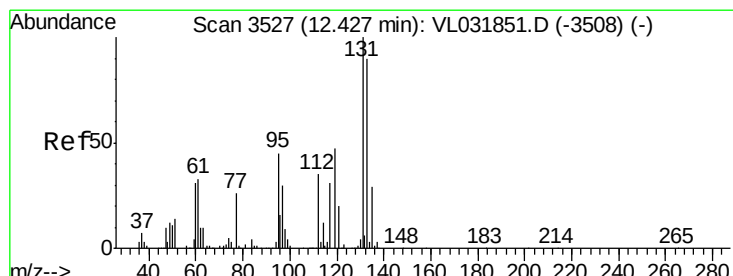
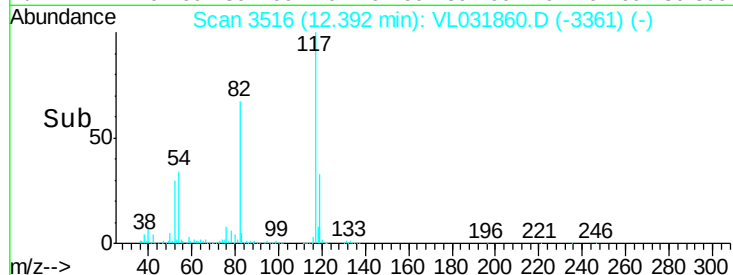
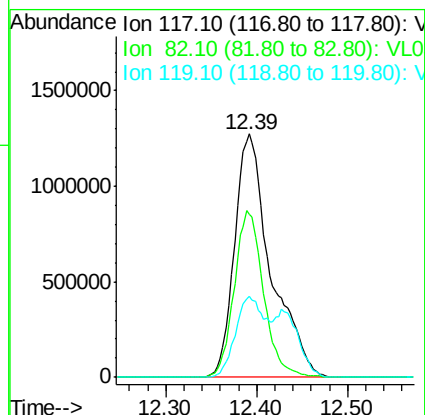
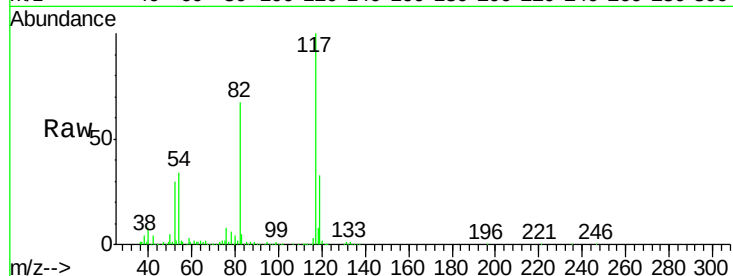




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

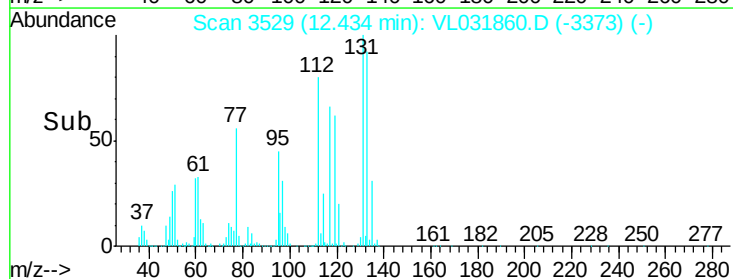
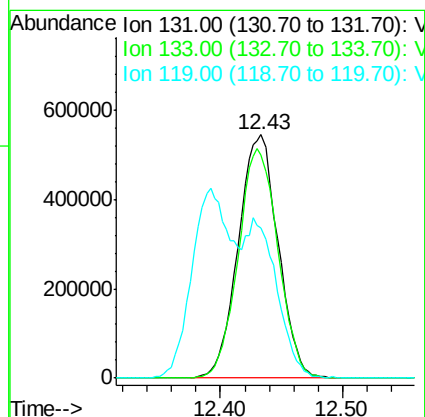
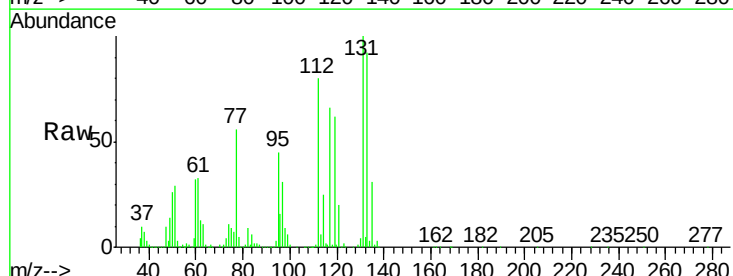
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

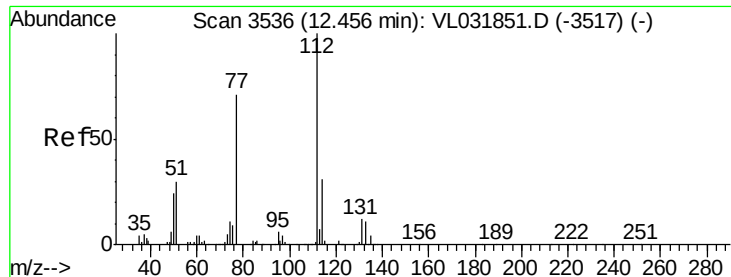
Tgt Ion:117 Resp: 3530535
Ion Ratio Lower Upper
117 100
82 55.5 54.6 81.8
119 28.5 26.0 39.0



#56
1,1,1,2-Tetrachloroethane
Concen: 7.35 ppbv
RT: 12.43 min Scan# 3529
Delta R.T. 0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion:131 Resp: 1220712
Ion Ratio Lower Upper
131 100
133 95.0 76.1 114.1
119 133.7 106.3 159.5





#57

Chlorobenzene

Concen: 7.54 ppbv

RT: 12.45 min Scan# 3535

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

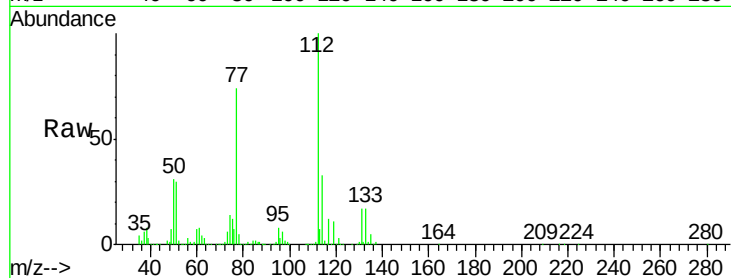
Tgt Ion: 112 Resp: 2255606

Ion Ratio Lower Upper

112 100

77 73.6 57.0 85.6

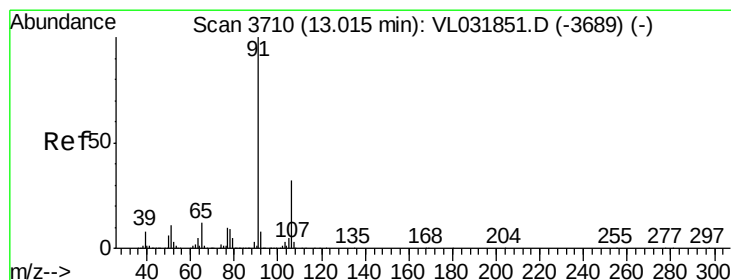
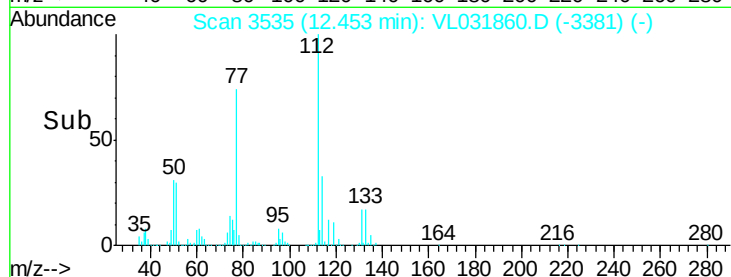
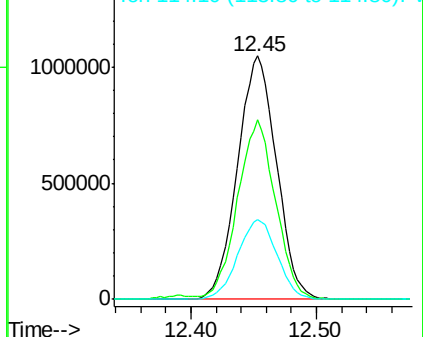
114 32.9 28.5 34.9



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: 8.36 ppbv

RT: 13.02 min Scan# 3710

Delta R.T. -0.00 min

Lab File: VL031860.D

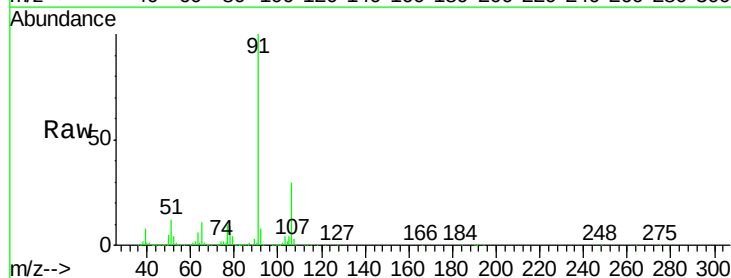
Acq: 12 Apr 2018 10:07

Tgt Ion: 91 Resp: 4098289

Ion Ratio Lower Upper

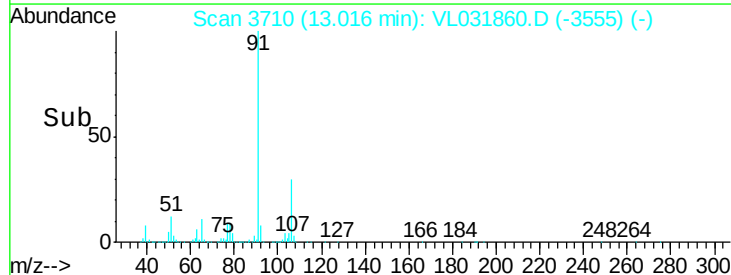
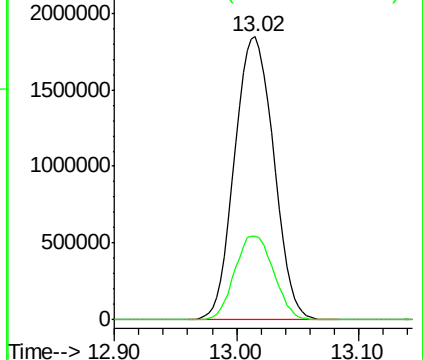
91 100

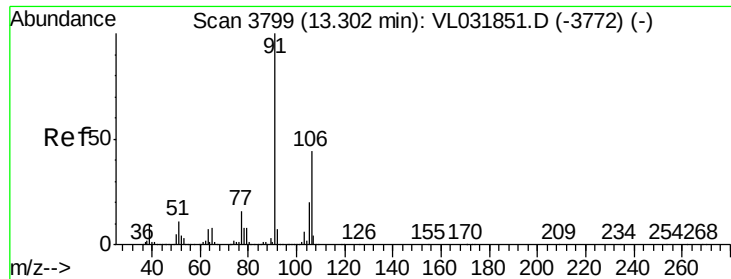
106 29.6 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

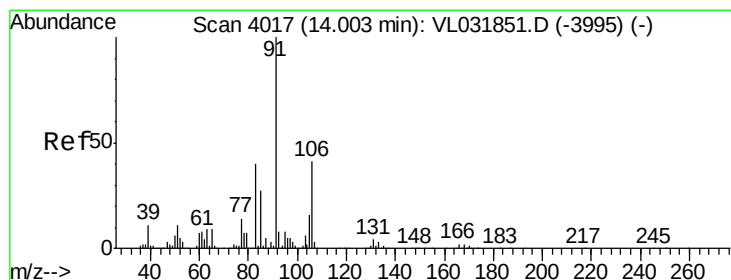
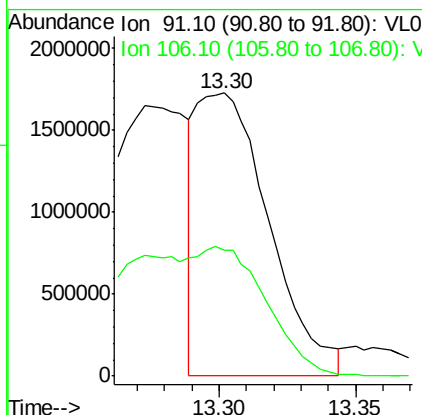
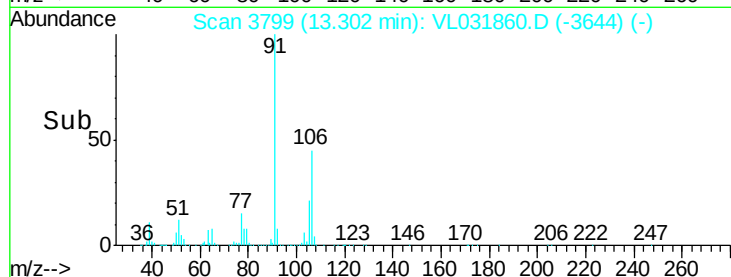
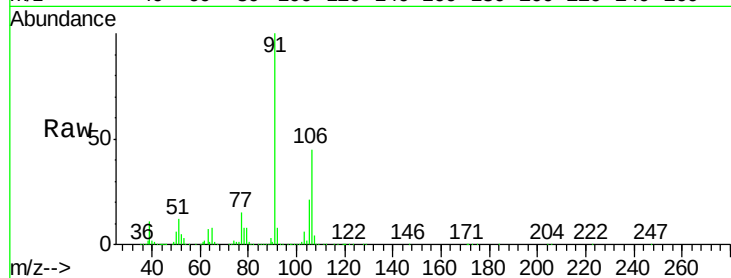




#59
m/p-Xylene
Concen: 7.45 ppbv
RT: 13.30 min Scan# 3799
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

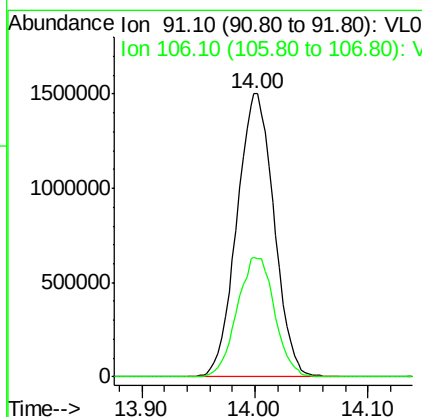
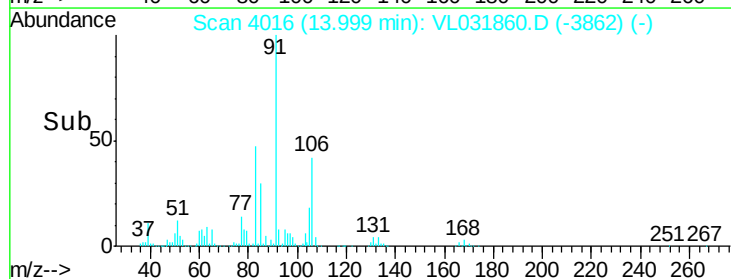
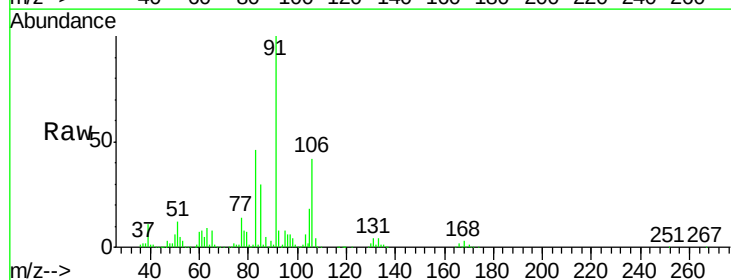
Instrument :
MSVOA_L
ClientSampleId :
VL0412ABS01

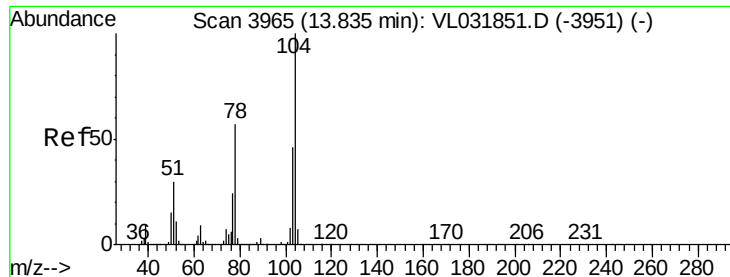
Tgt Ion: 91 Resp: 3169984
Ion Ratio Lower Upper
91 100
106 95.3 35.5 53.3#



#60
o-Xylene
Concen: 8.06 ppbv
RT: 14.00 min Scan# 4016
Delta R.T. -0.00 min
Lab File: VL031860.D
Acq: 12 Apr 2018 10:07

Tgt Ion: 91 Resp: 3429525
Ion Ratio Lower Upper
91 100
106 42.7 21.3 63.9

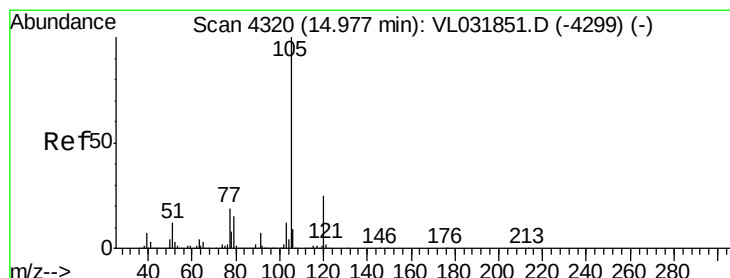
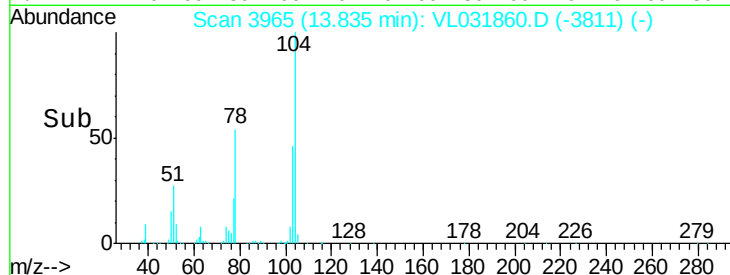
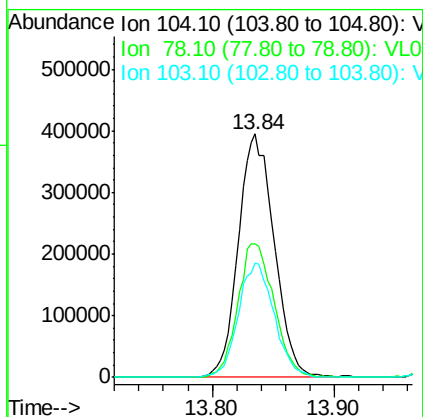
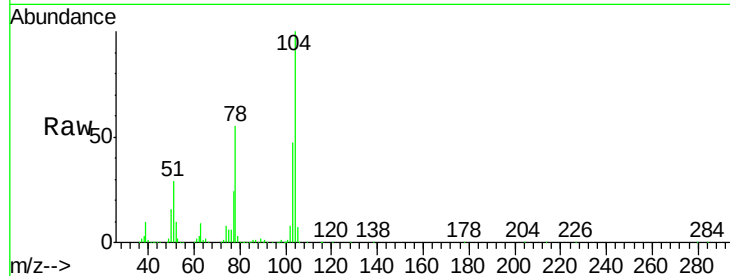




#61
 Styrene
 Concen: 9.87 ppbv
 RT: 13.84 min Scan# 3965
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

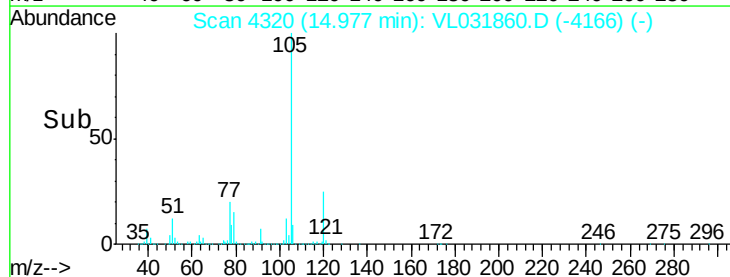
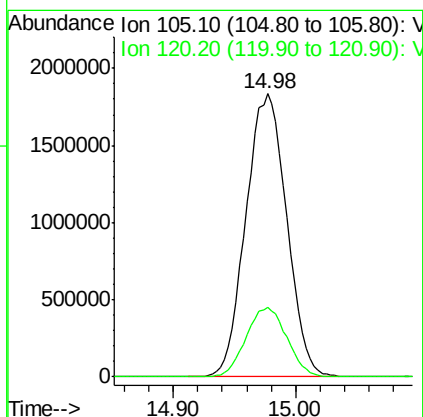
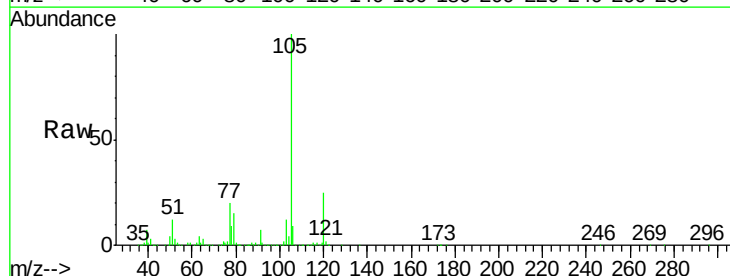
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

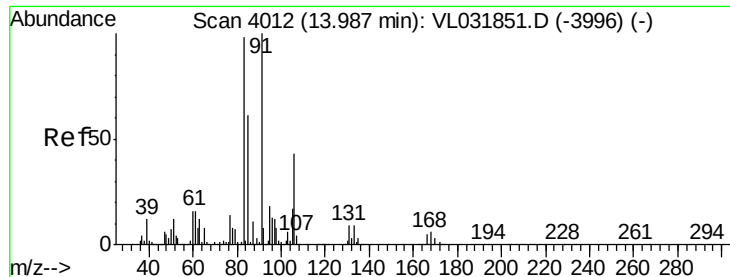
Tgt Ion:104 Resp: 799691
 Ion Ratio Lower Upper
 104 100
 78 55.9 44.4 66.6
 103 47.2 37.9 56.9



#62
 Isopropylbenzene
 Concen: 7.76 ppbv
 RT: 14.98 min Scan# 4320
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion:105 Resp: 4242179
 Ion Ratio Lower Upper
 105 100
 120 24.6 19.4 29.2





#63

1,1,2,2-Tetrachloroethane

Concen: 6.74 ppbv

RT: 13.99 min Scan# 4013

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

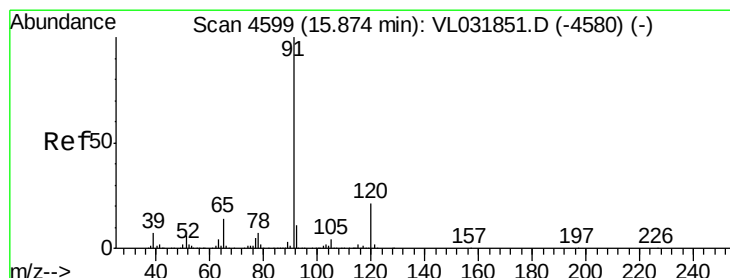
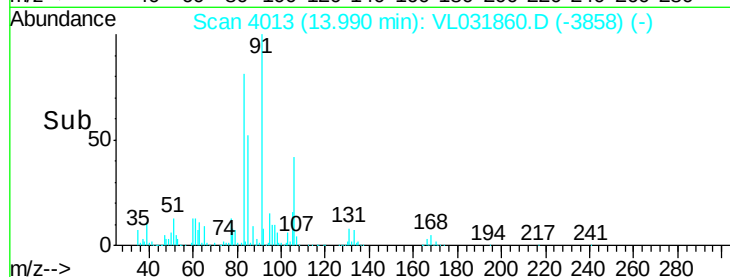
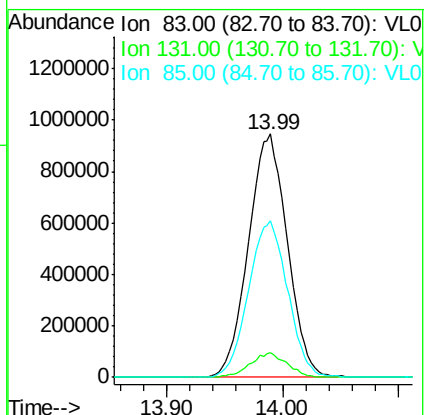
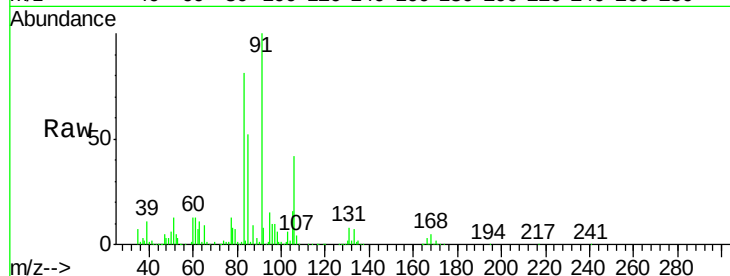
Tgt Ion: 83 Resp: 2206390

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.6
85	64.9	32.2	96.6

83 100

131 9.6 4.9 14.6

85 64.9 32.2 96.6



#64

n-propylbenzene

Concen: 7.99 ppbv

RT: 15.87 min Scan# 4599

Delta R.T. -0.00 min

Lab File: VL031860.D

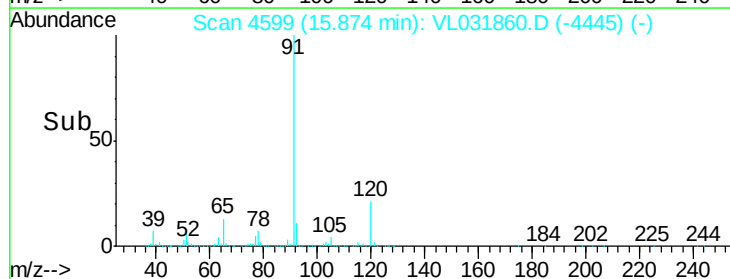
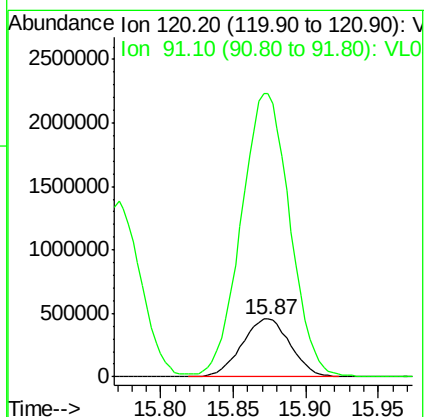
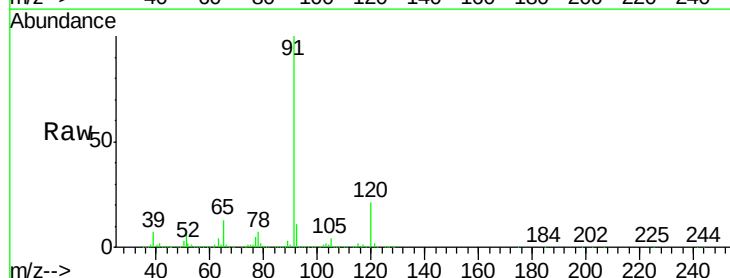
Acq: 12 Apr 2018 10:07

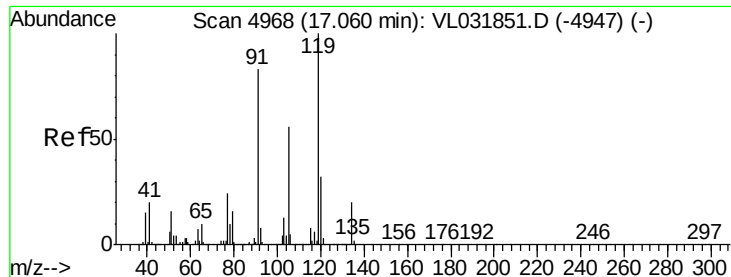
Tgt Ion: 120 Resp: 1061684

Ion	Ratio	Lower	Upper
120	100		
91	492.2	393.7	590.5

120 100

91 492.2 393.7 590.5





#65

tert-Butylbenzene

Concen: 7.56 ppbv

RT: 17.06 min Scan# 4968

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

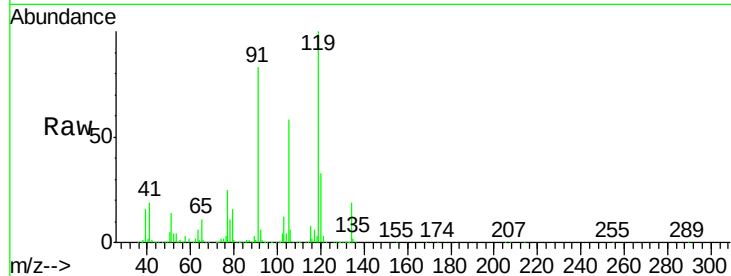
Tgt Ion:119 Resp: 3555261

Ion Ratio Lower Upper

119 100

91 86.3 69.4 104.0

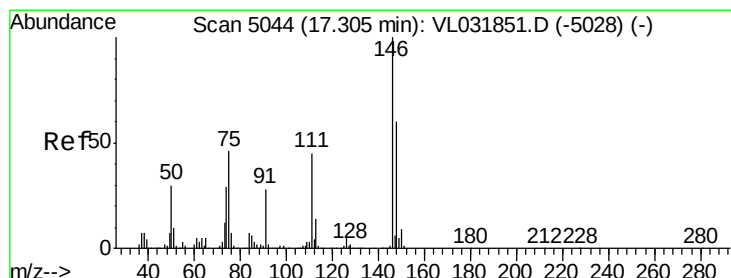
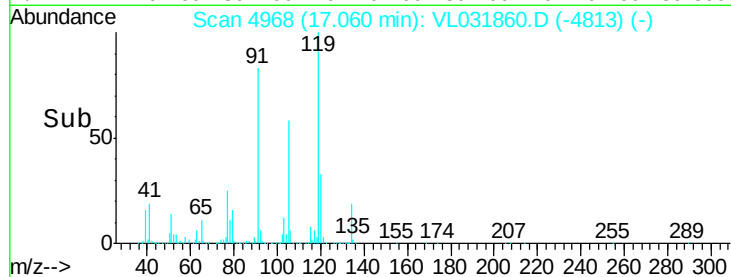
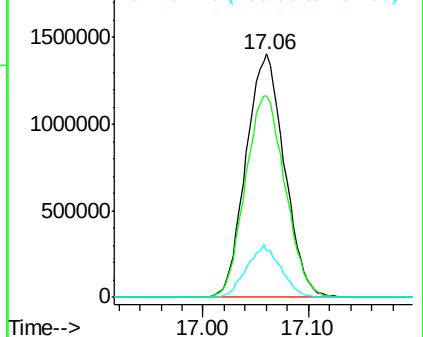
134 19.2 15.4 23.2



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.21 ppbv

RT: 17.31 min Scan# 5045

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

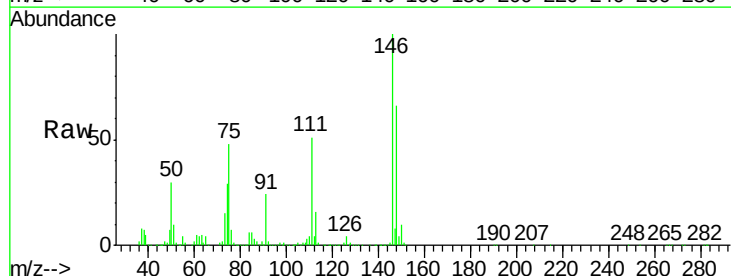
Tgt Ion: 91 Resp: 347715

Ion Ratio Lower Upper

91 100

126 15.7 12.6 19.0

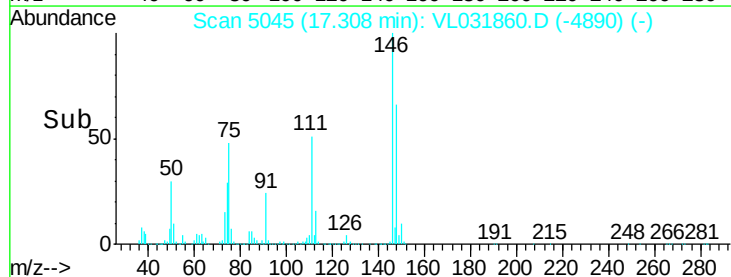
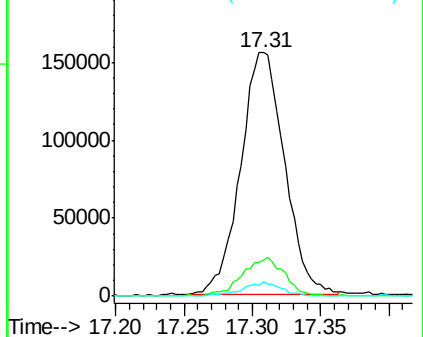
128 5.1 4.0 6.0

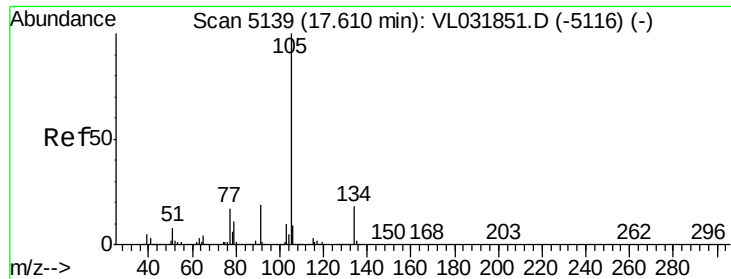


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.39 ppbv

RT: 17.61 min Scan# 5138

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

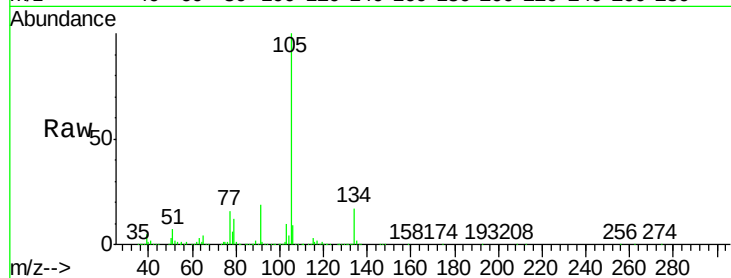
VL0412ABS01

Tgt Ion:105 Resp: 5002240

Ion Ratio Lower Upper

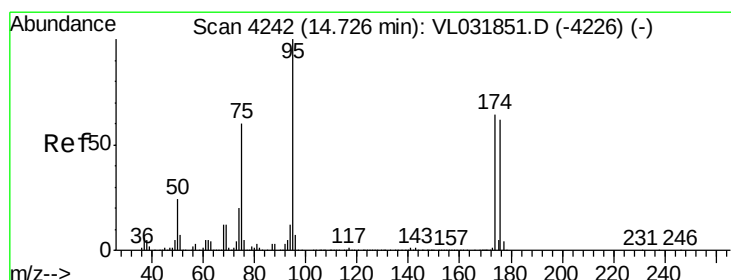
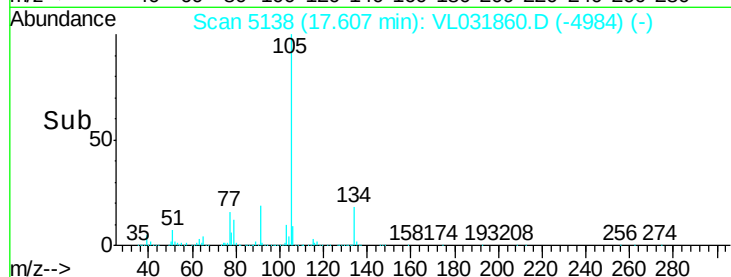
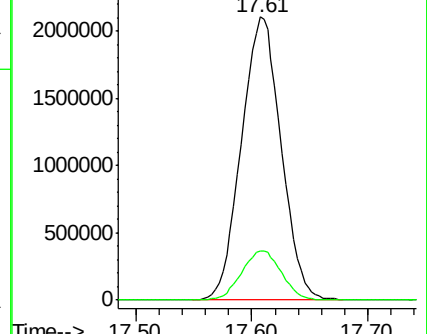
105 100

134 17.7 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: 8.27 ppbv

RT: 14.73 min Scan# 4242

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

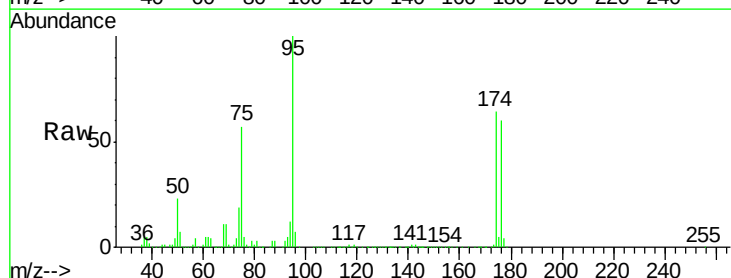
Tgt Ion: 95 Resp: 2346853

Ion Ratio Lower Upper

95 100

174 64.6 52.3 78.5

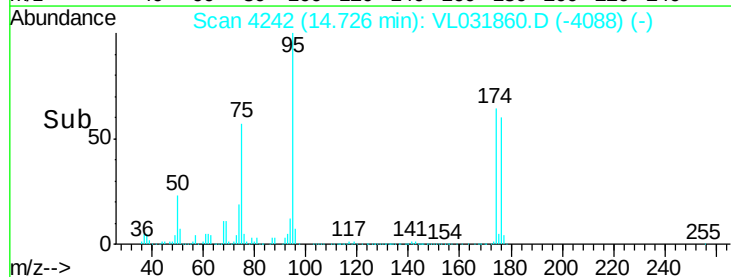
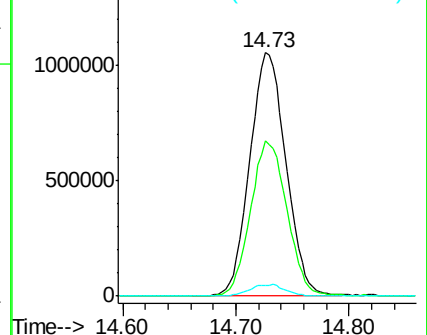
175 4.8 3.9 5.9

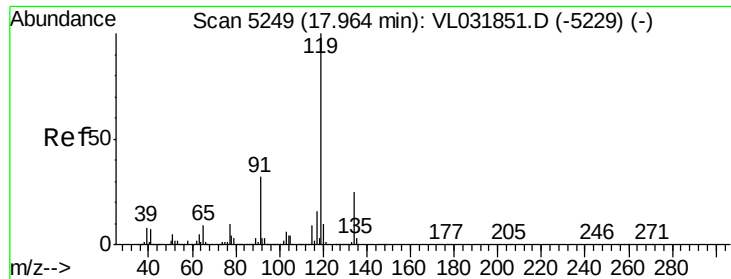


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

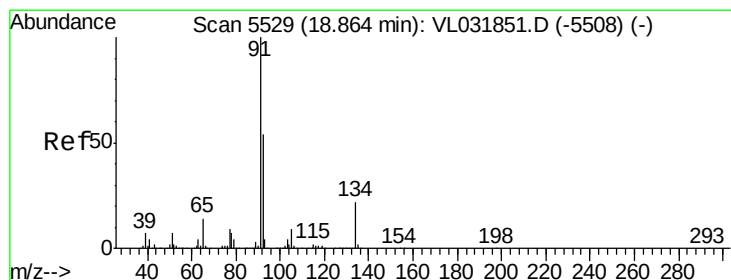
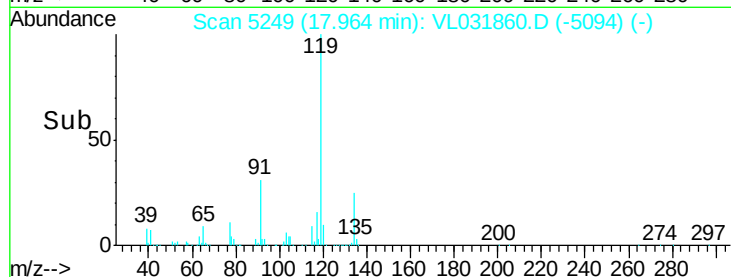
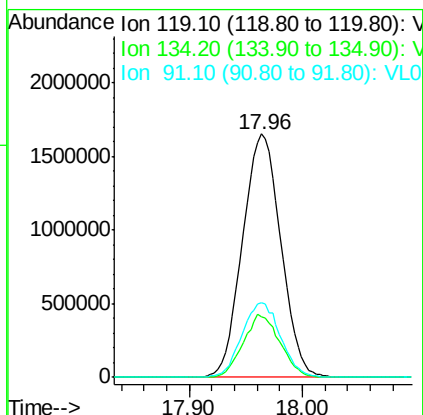
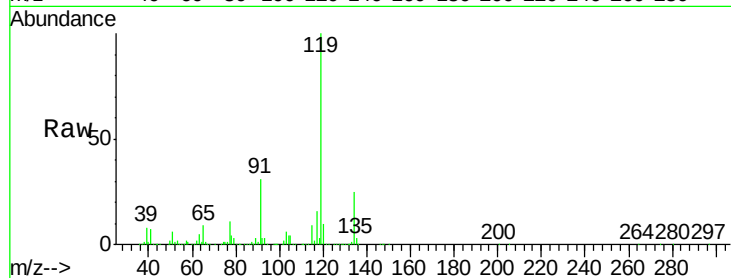




#69
 p-Isopropyltoluene
 Concen: 7.43 ppbv
 RT: 17.96 min Scan# 5249
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

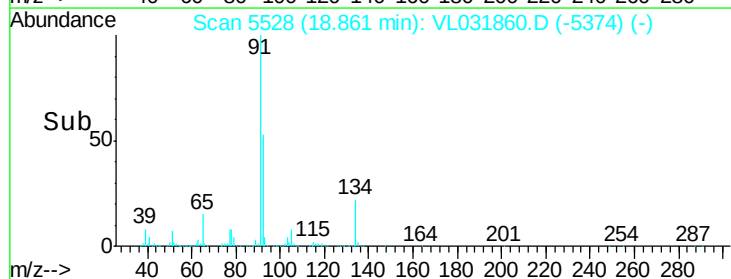
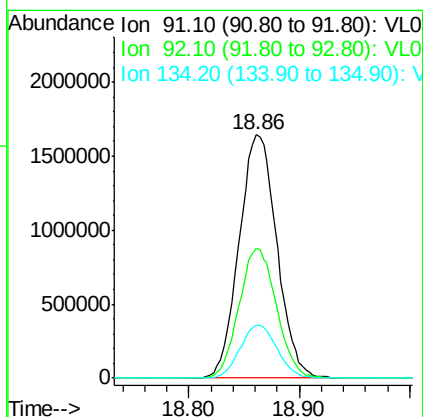
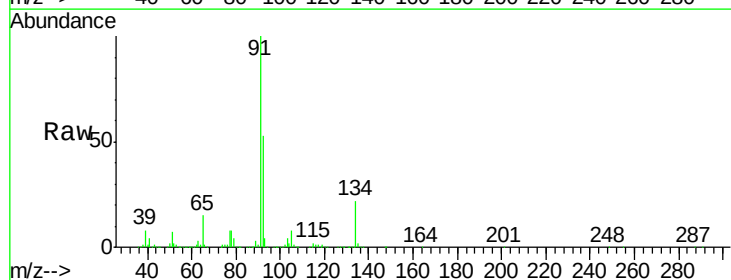
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

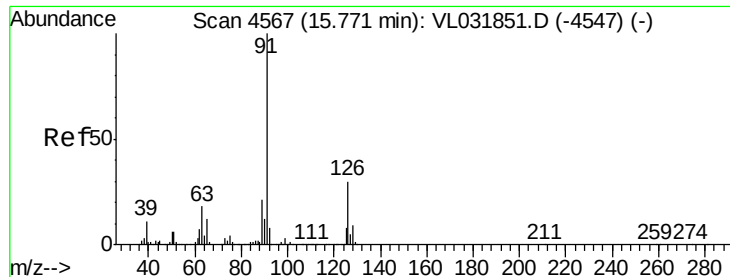
Tgt Ion: 119 Resp: 3898405
 Ion Ratio Lower Upper
 119 100
 134 24.8 20.0 30.0
 91 31.0 24.9 37.3



#70
 n-Butylbenzene
 Concen: 7.13 ppbv
 RT: 18.86 min Scan# 5528
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion: 91 Resp: 3898026
 Ion Ratio Lower Upper
 91 100
 92 52.9 42.2 63.4
 134 21.5 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.05 ppbv

RT: 15.77 min Scan# 4567

Delta R.T. 0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

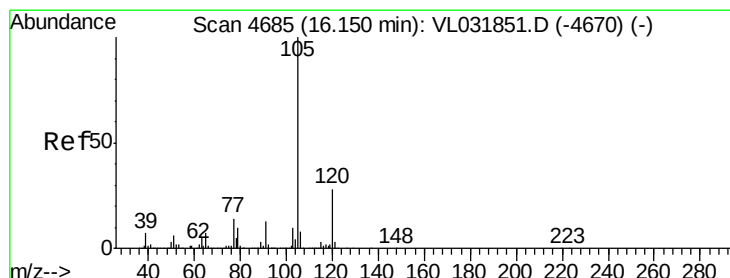
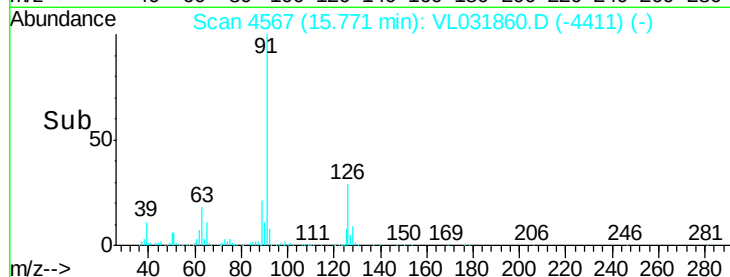
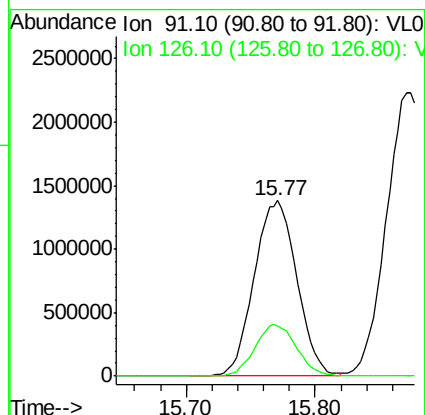
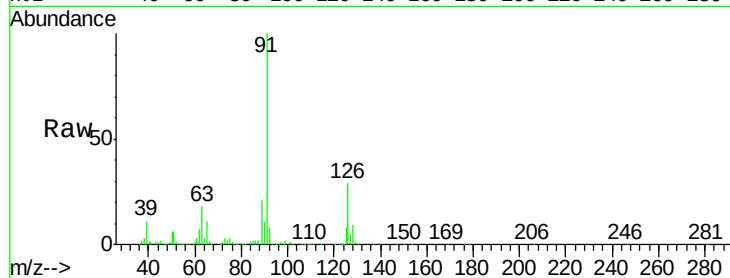
VL0412ABS01

Tgt Ion: 91 Resp: 3179947

Ion Ratio Lower Upper

91 100

126 28.7 11.6 46.2



#72

4-Ethyltoluene

Concen: 8.09 ppbv

RT: 16.15 min Scan# 4684

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Tgt Ion: 105 Resp: 3518415

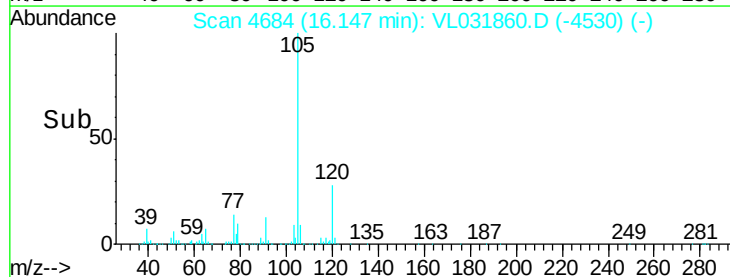
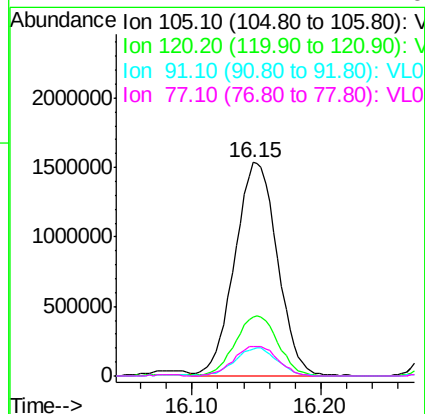
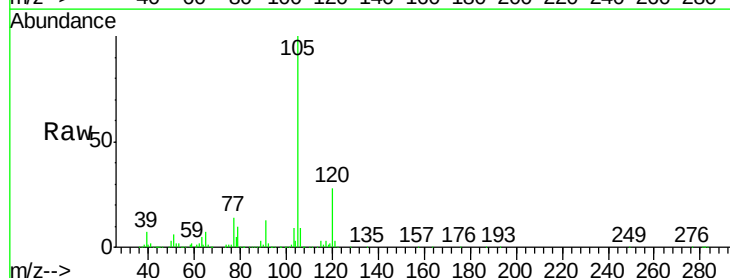
Ion Ratio Lower Upper

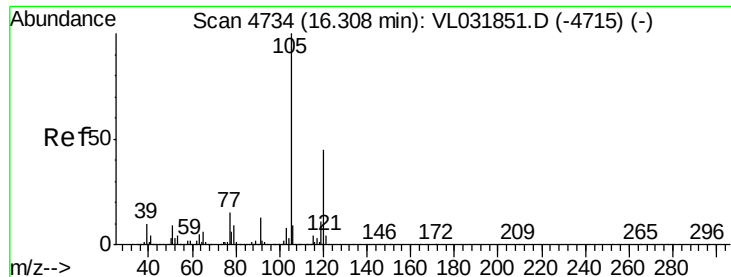
105 100

120 28.3 22.7 34.1

91 13.2 10.6 16.0

77 14.4 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 7.78 ppbv

RT: 16.31 min Scan# 4734

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

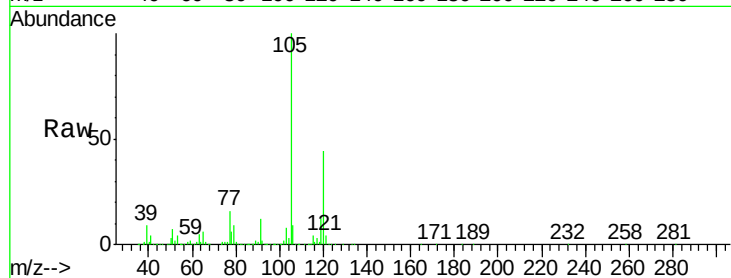
VL0412ABS01

Tgt Ion:105 Resp: 3097936

Ion Ratio Lower Upper

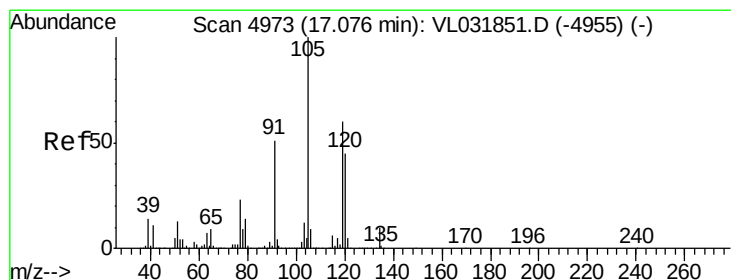
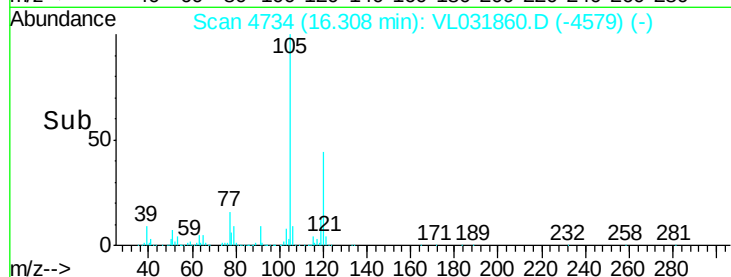
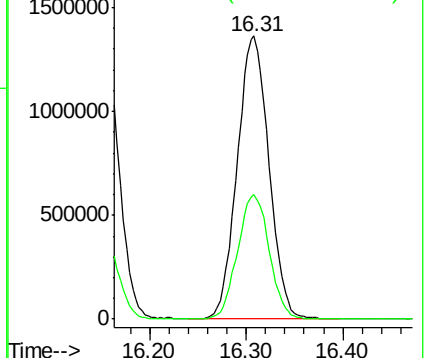
105 100

120 43.9 35.3 52.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.25 ppbv

RT: 17.08 min Scan# 4973

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Tgt Ion:105 Resp: 3220775

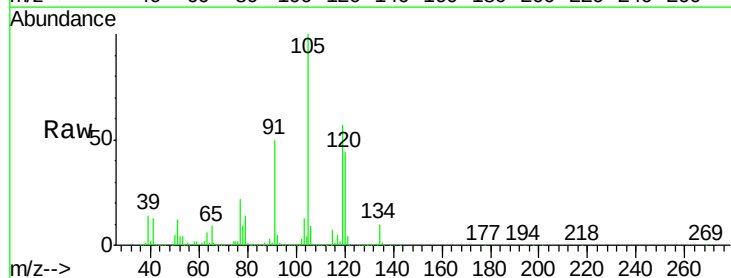
Ion Ratio Lower Upper

105 100

120 43.8 37.0 55.4

91 49.6 43.0 64.4

77 22.3 18.7 28.1

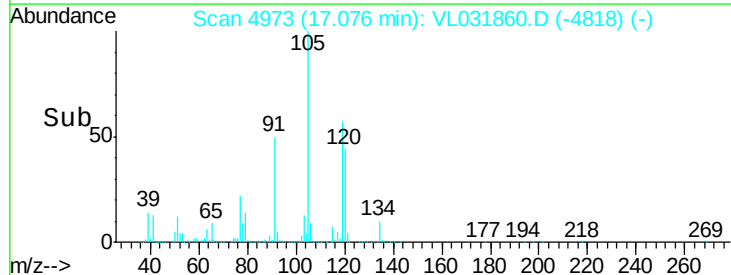
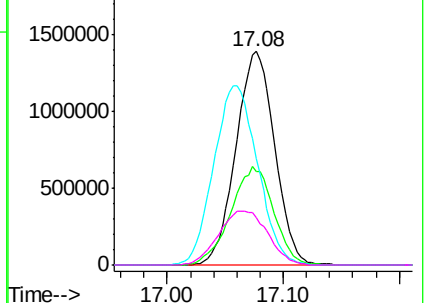


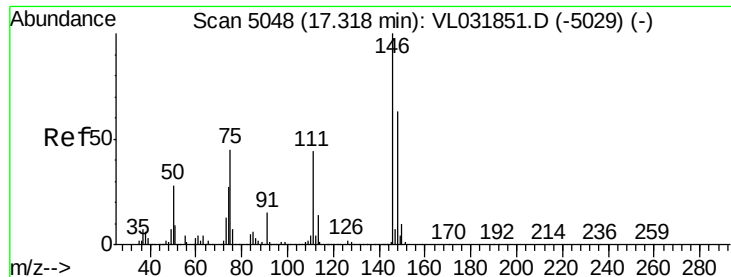
Abundance Ion 105.10 (104.80 to 105.80): V

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

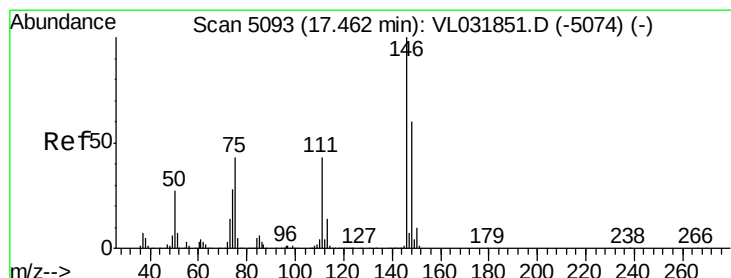
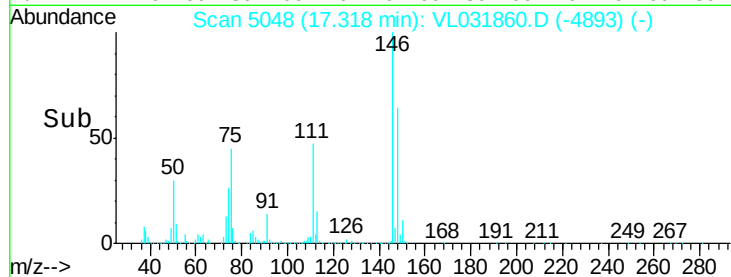
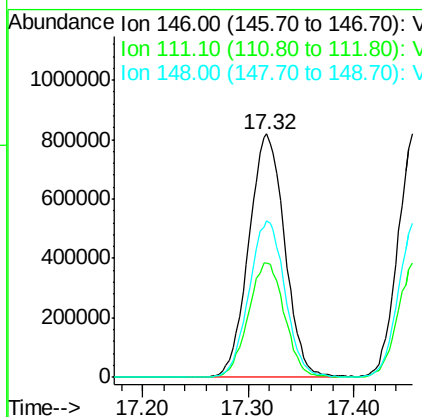
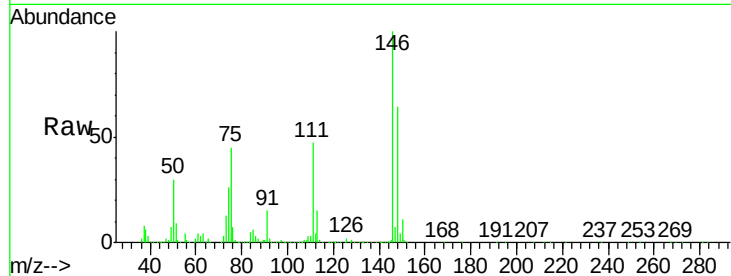




#75
 1,3-Dichlorobenzene
 Concen: 7.13 ppbv
 RT: 17.32 min Scan# 5048
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

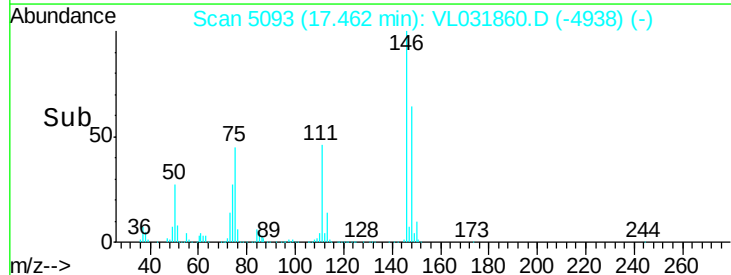
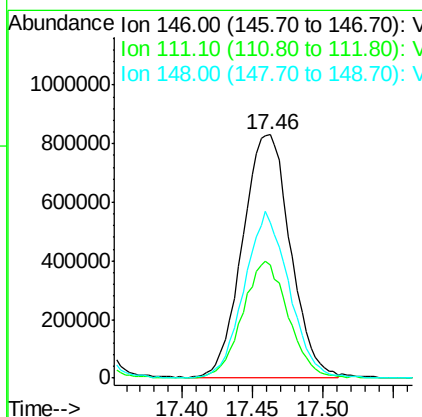
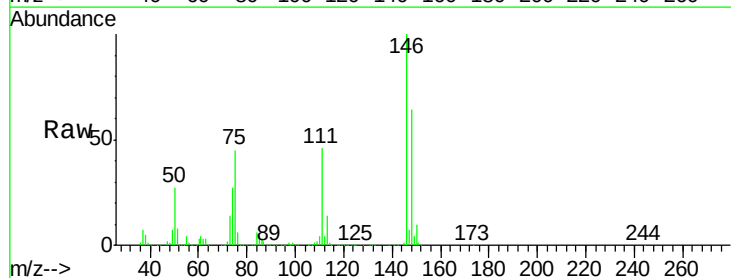
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

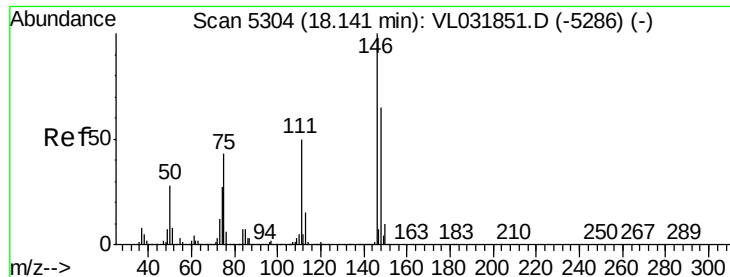
Tgt Ion:146 Resp: 1942197
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.8 71.4
 148 64.3 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.41 ppbv
 RT: 17.46 min Scan# 5093
 Delta R.T. -0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion:146 Resp: 1959889
 Ion Ratio Lower Upper
 146 100
 111 46.4 22.9 68.7
 148 64.7 32.0 96.0

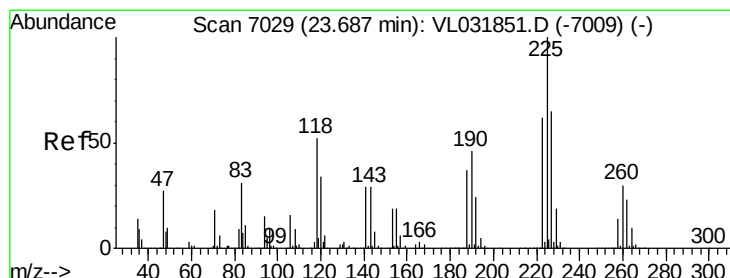
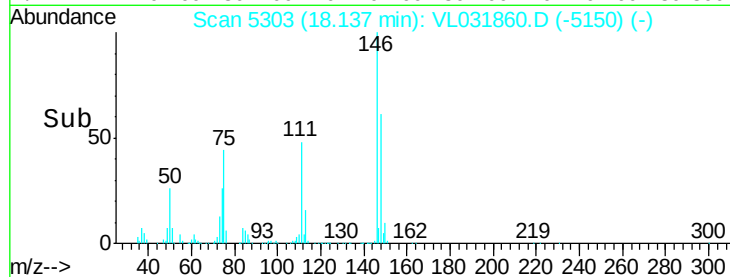
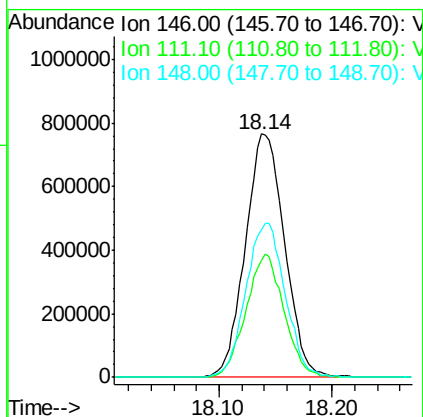
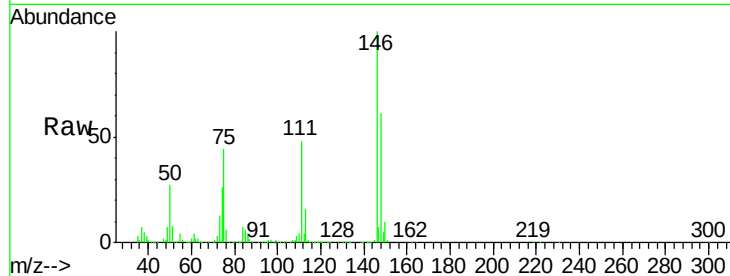




#77
 1,2-Dichlorobenzene
 Concen: 6.88 ppbv
 RT: 18.14 min Scan# 5303
 Delta R.T. -0.01 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

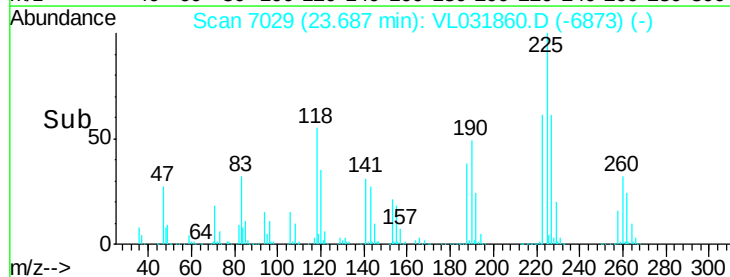
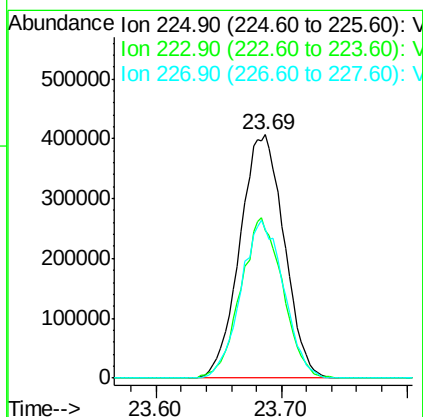
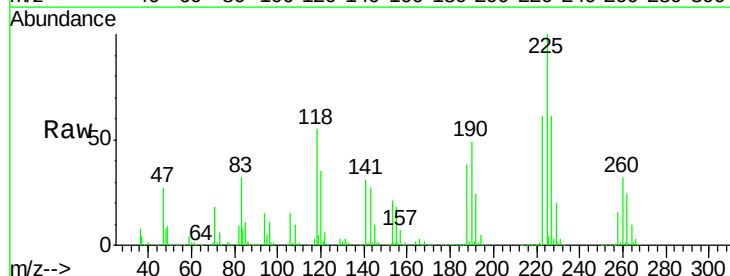
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

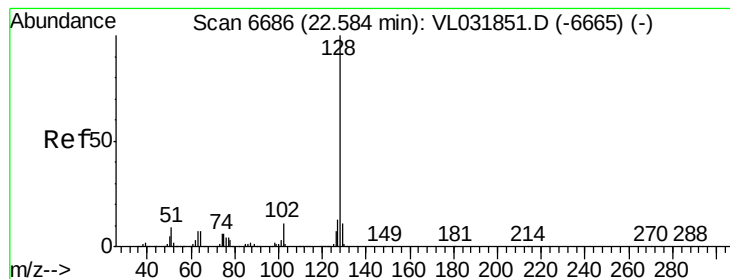
Tgt Ion:146 Resp: 1846382
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.3 72.8
 148 63.7 31.8 95.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.66 ppbv
 RT: 23.69 min Scan# 7029
 Delta R.T. 0.00 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Tgt Ion:225 Resp: 995944
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.6 76.0
 227 63.0 52.2 78.4





#79

Naphthalene

Concen: 8.50 ppbv

RT: 22.59 min Scan# 6687

Delta R.T. -0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

Instrument :

MSVOA_L

ClientSampleId :

VL0412ABS01

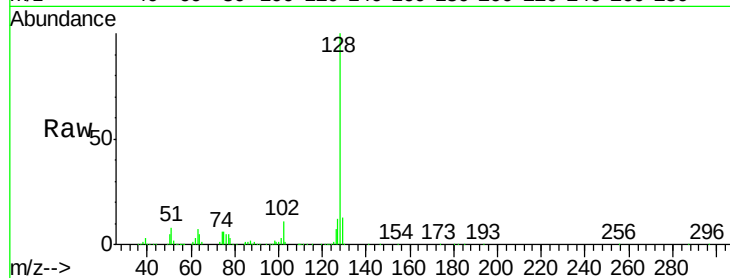
Tgt Ion:128 Resp: 2125757

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

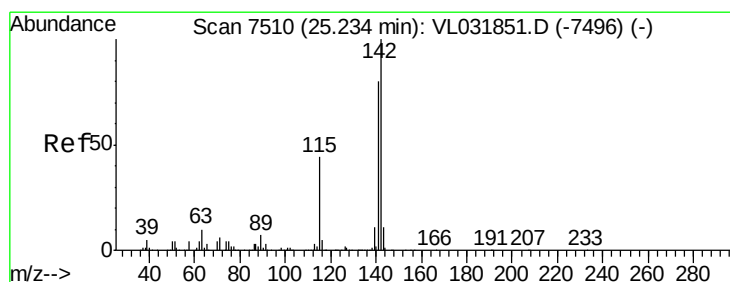
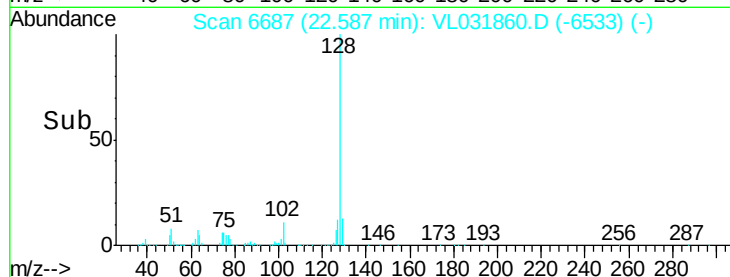
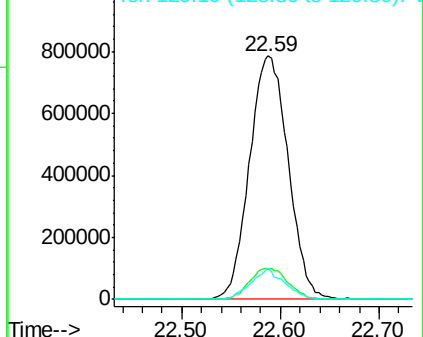
129 12.6 9.4 14.2



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: 13.14 ppbv

RT: 25.23 min Scan# 7510

Delta R.T. 0.00 min

Lab File: VL031860.D

Acq: 12 Apr 2018 10:07

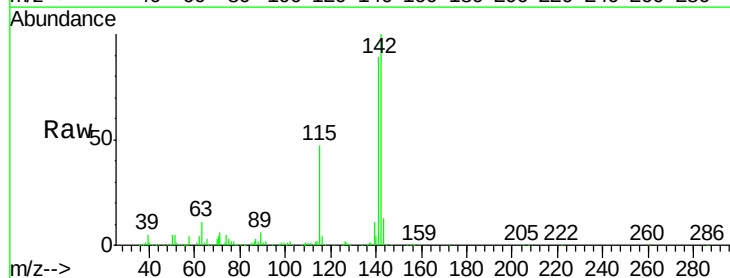
Tgt Ion:142 Resp: 641803

Ion Ratio Lower Upper

142 100

141 85.7 67.0 100.4

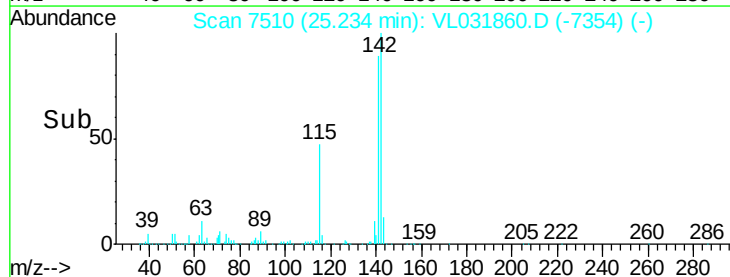
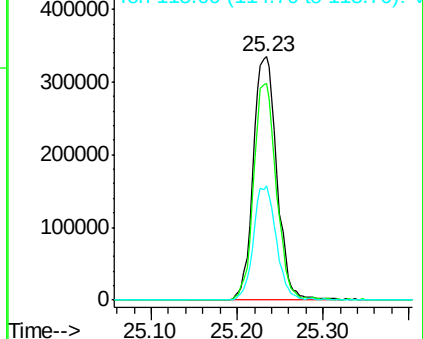
115 45.8 35.3 52.9

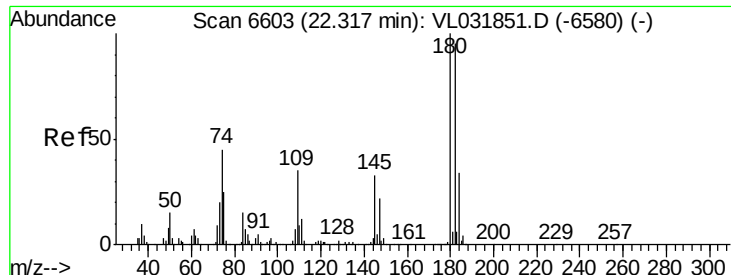


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.57 ppbv
 RT: 22.32 min Scan# 6603
 Delta R.T. 0.01 min
 Lab File: VL031860.D
 Acq: 12 Apr 2018 10:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS01

Tgt Ion:180 Resp: 1050217
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.3 114.5
 184 29.6 24.2 36.2

