

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031240.D
 Acq On : 14 Dec 2017 20:23
 Operator : SY/AP
 Sample : I6907-03DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 05:18:44 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 14 04:29:58 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1552912	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3971910	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	5087214	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2982662	8.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.18	85	1800510	13.724	ppbv 100
3) Chlorodifluoromethane	3.12	51	1915808	10.850	ppbv 98
4) Chloromethane	3.28	50	983635	10.314	ppbv 97
5) Vinyl Chloride	3.40	62	990224	10.036	ppbv 98
6) Bromomethane	3.63	94	619455	10.596	ppbv 96
7) Chloroethane	3.71	64	376384	10.302	ppbv 98
8) Dichlorotetrafluoroethane	3.32	85	2160590	11.866	ppbv 97
9) Propene	3.14	41	871751	10.060	ppbv 98
10) Heptane	8.41	43	2472843	9.374	ppbv 100
11) Trichlorofluoromethane	4.13	101	2329593	10.805	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.68	101	1434571	9.496	ppbv 96
13) Ethanol	3.77	45	197557	7.904	ppbv 99
14) Bromoethene	3.91	108	694705	10.697	ppbv 99
15) Acetone	4.02	43	1709397	8.341	ppbv 100
16) 1,3-Butadiene	3.47	39	875124	9.926	ppbv 96
17) tert-Butyl alcohol	4.49	59	894116	7.773	ppbv 99
18) 1,1-Dichloroethene	4.48	96	695472	10.276	ppbv 94
19) Isopropyl Alcohol	4.15	45	1197127	9.230	ppbv # 43
20) Methylene Chloride	4.54	84	650189	9.586	ppbv 97
21) Allyl Chloride	4.61	41	1125708	9.338	ppbv 97
22) trans-1,2-Dichloroethene	5.10	96	809035	9.723	ppbv 99
23) Vinyl Acetate	5.30	43	2711420	8.212	ppbv 98
24) 1,1-Dichloroethane	5.23	63	2230286	9.301	ppbv 99
25) Ethyl Acetate	5.92	43	3621287	8.649	ppbv 100
26) Hexane	5.93	57	1723416	8.678	ppbv 98
27) Carbon Disulfide	4.76	76	1810282	9.103	ppbv 100
28) Methyl tert-Butyl Ether	5.25	73	2142359	8.249	ppbv 98
29) Chloroform	6.00	83	2633505	9.822	ppbv 99
30) Cyclohexane	7.41	84	1485997	8.495	ppbv 98
31) cis-1,2-Dichloroethene	5.79	61	1663341	9.235	ppbv 98
32) 1,1,1-Trichloroethane	6.78	97	2571765	8.971	ppbv 99
34) 2-Butanone	5.47	43	2556187	9.112	ppbv 99
35) Carbon Tetrachloride	7.30	117	2607385	9.164	ppbv 99
36) Benzene	7.16	78	3599173	8.551	ppbv 99
37) 1,2-Dichloroethane	6.57	62	2160587	9.303	ppbv 99
38) Trichloroethene	8.12	130	1416045	8.623	ppbv 98
39) 1,2-Dichloropropane	7.90	63	1347050	9.051	ppbv 99
40) 1,4-Dioxane	8.12	88	590485	10.993	ppbv # 91
41) Tetrahydrofuran	6.30	42	1486697	9.425	ppbv 100
42) Bromodichloromethane	8.08	83	2739395	10.007	ppbv 98
43) Methyl Methacrylate	8.30	69	1372535	9.735	ppbv 98

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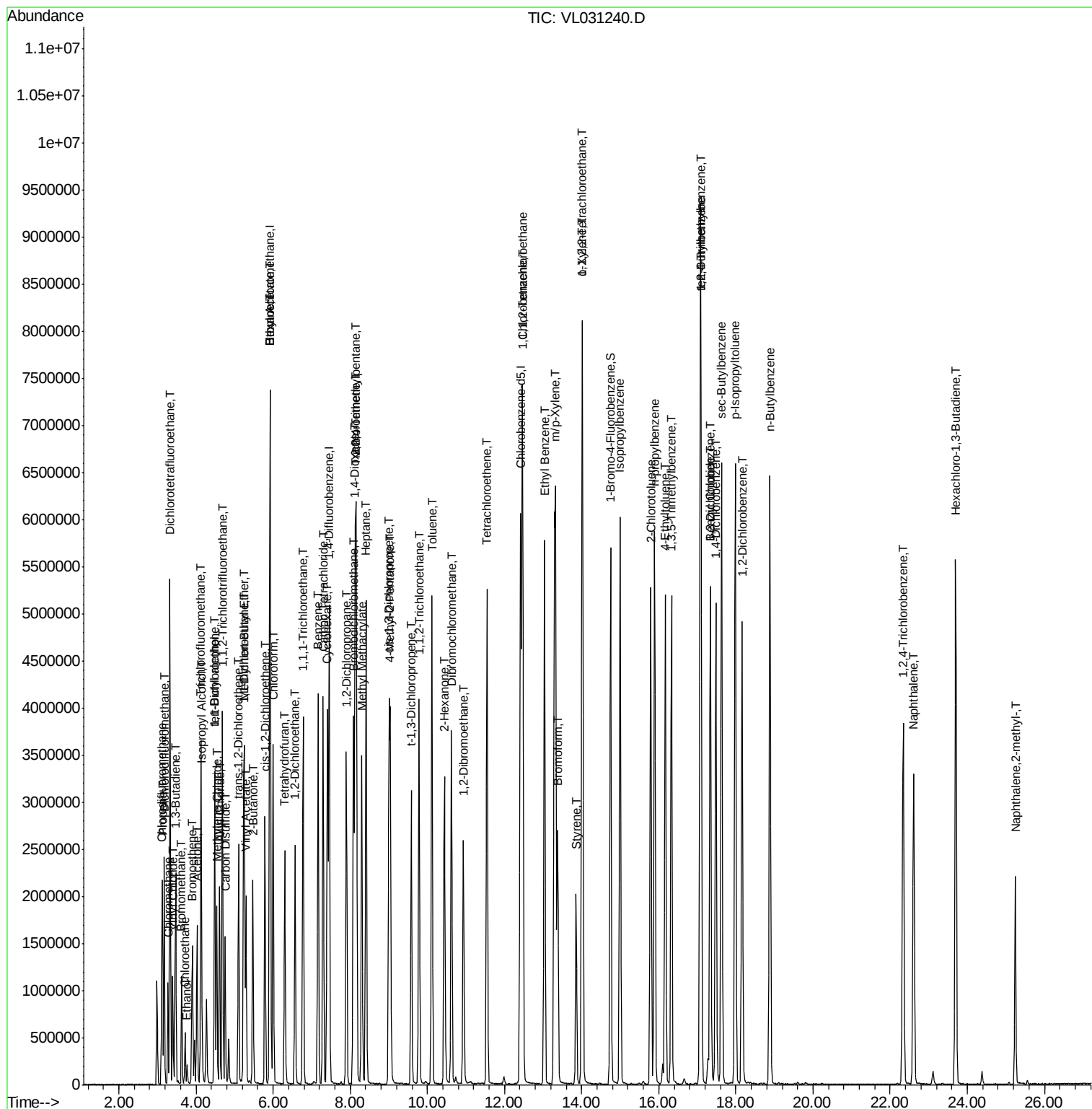
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	5819981	9.155	ppbv	100
45) t-1,3-Dichloropropene	9.58	75	1889230	9.797	ppbv	99
46) cis-1,3-Dichloropropene	9.00	75	2337977	9.642	ppbv	98
47) 1,1,2-Trichloroethane	9.78	97	1518195	9.834	ppbv	99
48) Dibromochloromethane	10.62	129	2418714	10.030	ppbv	100
49) Bromoform	13.38	173	1579397	8.877	ppbv	100
50) 4-Methyl-2-Pentanone	9.03	43	3275095	9.542	ppbv	99
51) 2-Hexanone	10.44	43	3204563	9.781	ppbv #	99
52) Tetrachloroethene	11.55	164	1350538	8.696	ppbv	94
53) Toluene	10.12	91	4385584	9.603	ppbv	99
54) 1,2-Dibromoethane	10.93	107	2303114	9.845	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.45	131	1634370	7.202	ppbv	95
57) Chlorobenzene	12.48	112	3353839	7.072	ppbv	98
58) Ethyl Benzene	13.04	91	5561818	6.622	ppbv	99
59) m/p-Xylene	13.32	91	3914056	5.821	ppbv #	13
60) o-Xylene	14.02	91	4369828	6.447	ppbv	100
61) Styrene	13.86	104	1266793	6.515	ppbv	99
62) Isopropylbenzene	15.00	105	5706557	6.421	ppbv	100
63) 1,1,2,2-Tetrachloroethane	14.01	83	2683925	5.908	ppbv	99
64) n-propylbenzene	15.89	120	1510825	6.405	ppbv	96
65) tert-Butylbenzene	17.08	119	4883471	6.203	ppbv	100
66) Benzyl Chloride	17.33	91	342207	4.034	ppbv	97
67) sec-Butylbenzene	17.63	105	6855571	6.333	ppbv	99
69) p-Isopropyltoluene	17.98	119	5636282	6.243	ppbv	99
70) n-Butylbenzene	18.88	91	5703492	6.552	ppbv	99
71) 2-Chlorotoluene	15.79	91	4220160	6.398	ppbv	100
72) 4-Ethyltoluene	16.17	105	4781271	6.441	ppbv	99
73) 1,3,5-Trimethylbenzene	16.33	105	4188145	6.338	ppbv	100
74) 1,2,4-Trimethylbenzene	17.10	105	4315653	6.208	ppbv #	94
75) 1,3-Dichlorobenzene	17.34	146	2716409	6.164	ppbv	99
76) 1,4-Dichlorobenzene	17.48	146	2759180	6.194	ppbv	99
77) 1,2-Dichlorobenzene	18.16	146	2677893	6.219	ppbv	98
78) Hexachloro-1,3-Butadiene	23.70	225	1372411	13.872	ppbv	99
79) Naphthalene	22.61	128	4249851	7.555	ppbv	99
80) Naphthalene, 2-methyl-	25.25	142	1250323	5.968	ppbv	98
81) 1,2,4-Trichlorobenzene	22.33	180	1912244	7.299	ppbv	100

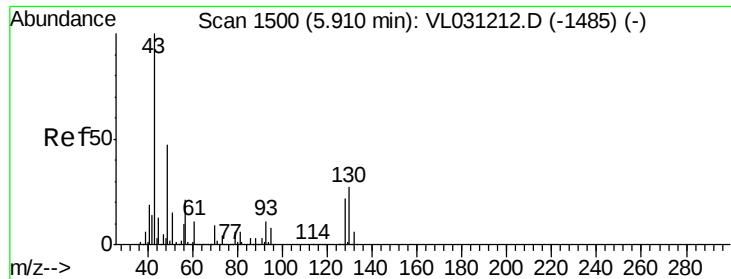
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.91 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampled :

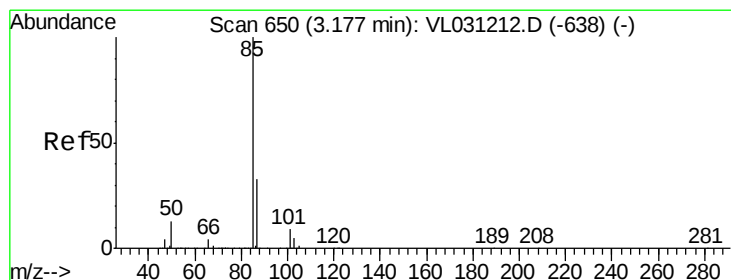
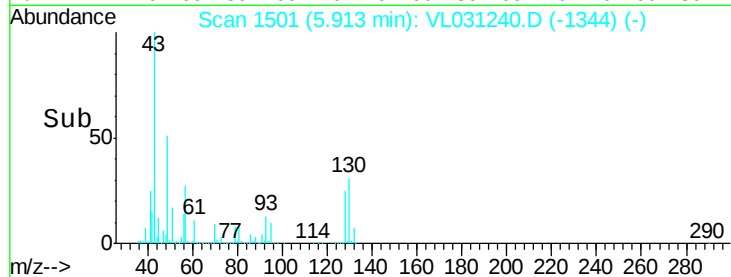
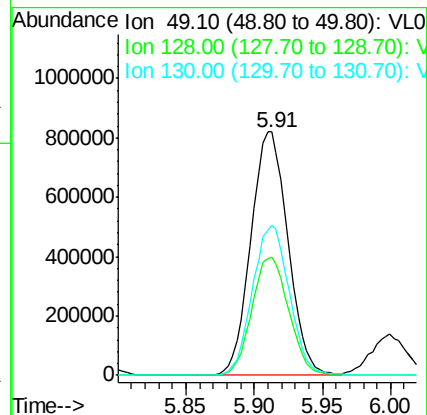
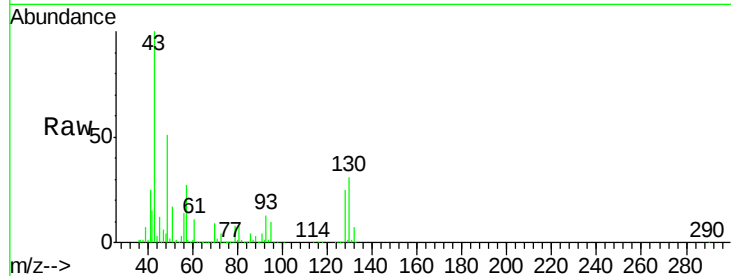
Tot Ion: 49 Resp: 1552912

Ion Ratio Lower Upper

49 100

128 48.5 23.2 69.5

130 61.8 29.6 88.8



#2

Dichlorodifluoromethane

Concen: 13.724 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031240.D

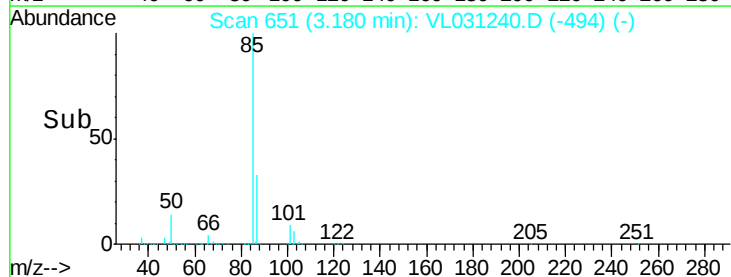
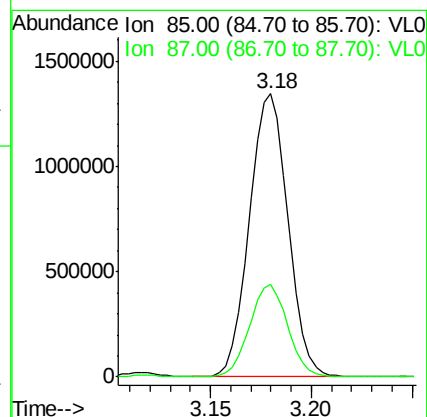
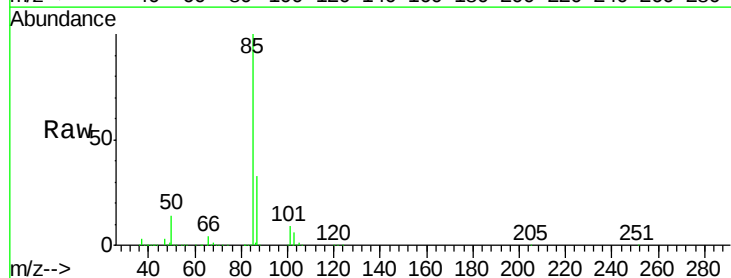
Acq: 14 Dec 2017 20:23

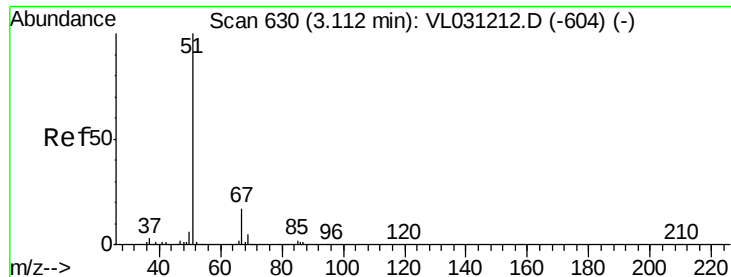
Tgt Ion: 85 Resp: 1800510

Ion Ratio Lower Upper

85 100

87 33.0 26.2 39.2





#3

Chlorodifluoromethane

Concen: 10.850 ppbv

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

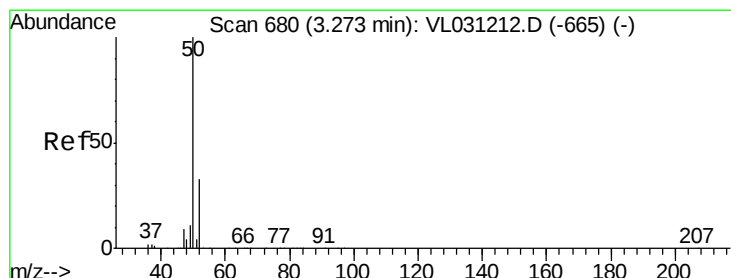
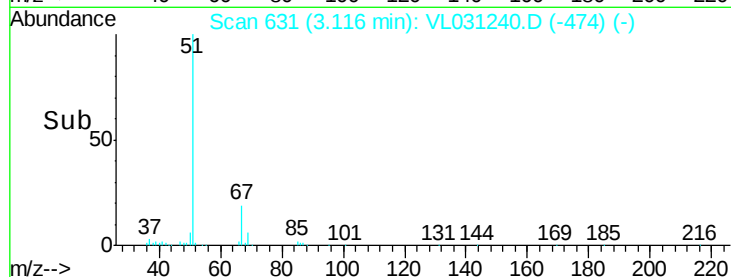
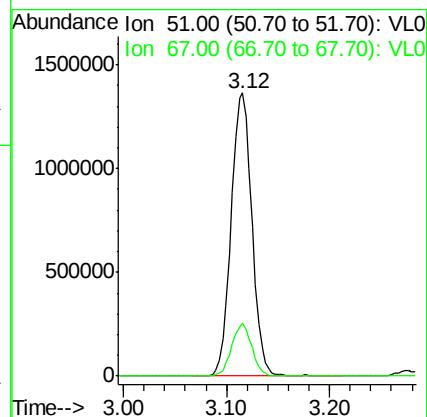
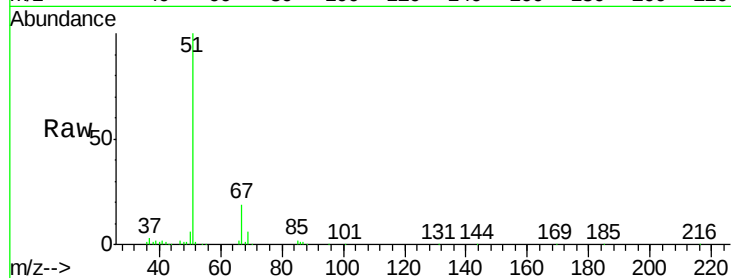
ClientSampled :

Tot Ion: 51 Resp: 1915808

Ion Ratio Lower Upper

51 100

67 18.2 13.8 20.6



#4

Chloromethane

Concen: 10.314 ppbv

RT: 3.28 min Scan# 681

Delta R.T. 0.00 min

Lab File: VL031240.D

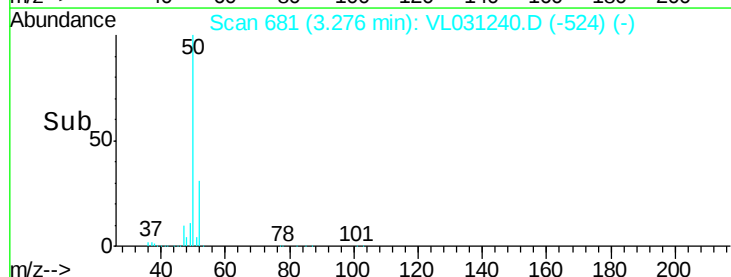
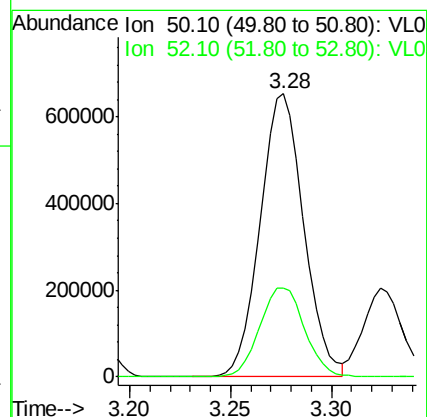
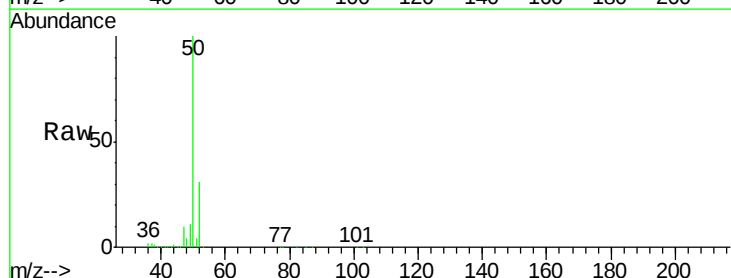
Acq: 14 Dec 2017 20:23

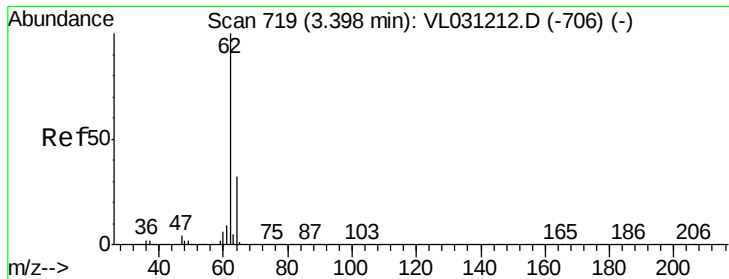
Tgt Ion: 50 Resp: 983635

Ion Ratio Lower Upper

50 100

52 31.4 26.5 39.7





#5

Vinyl Chloride

Concen: 10.036 ppbv

RT: 3.40 min Scan# 719

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

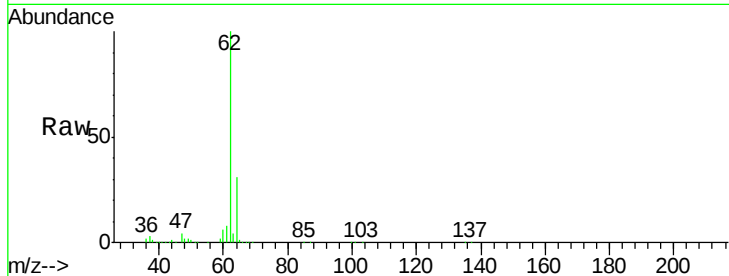
ClientSampleId :

Tot Ion: 62 Resp: 990224

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.40

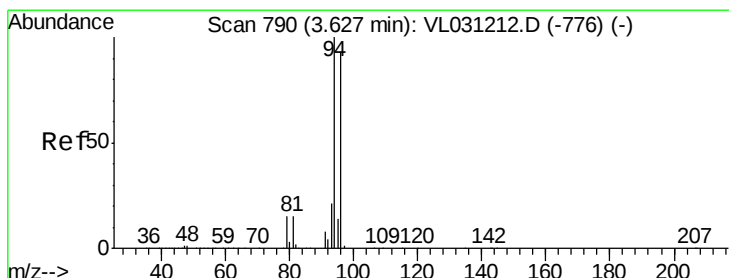
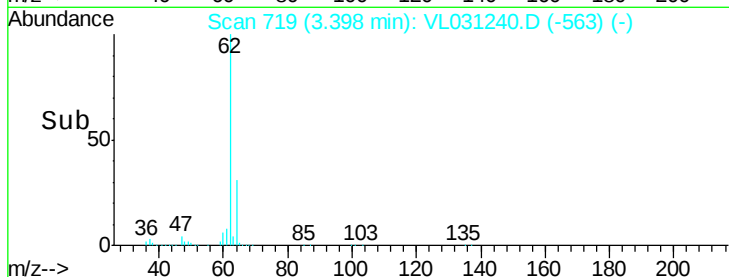
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 10.596 ppbv

RT: 3.63 min Scan# 790

Delta R.T. 0.00 min

Lab File: VL031240.D

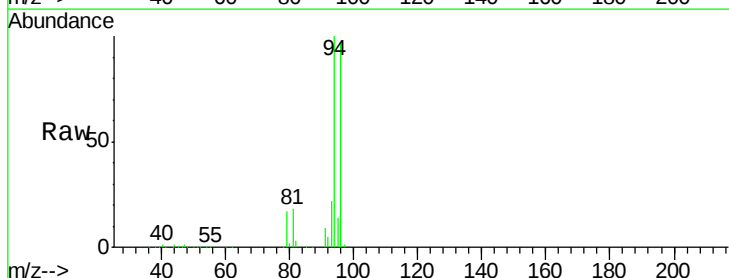
Acq: 14 Dec 2017 20:23

Tgt Ion: 94 Resp: 619455

Ion Ratio Lower Upper

94 100

96 96.8 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.63

400000

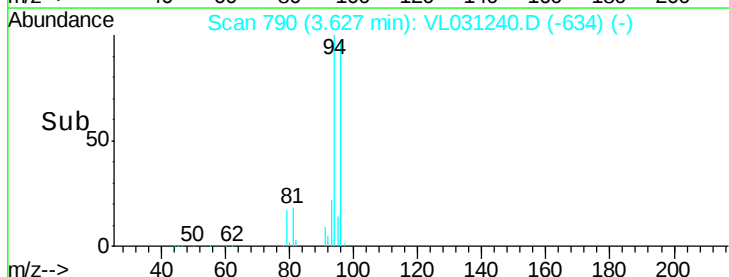
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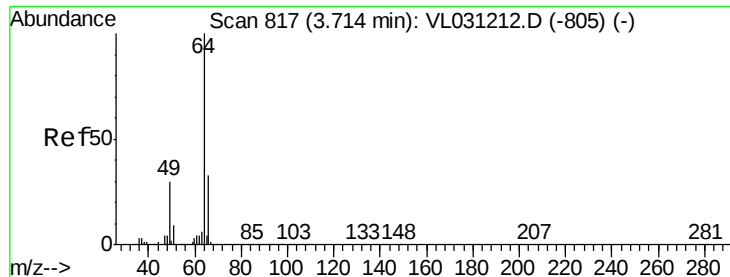
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.302 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

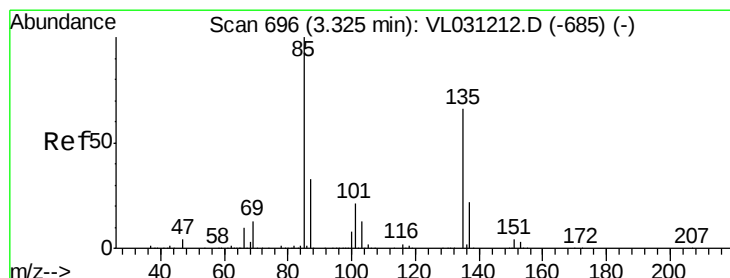
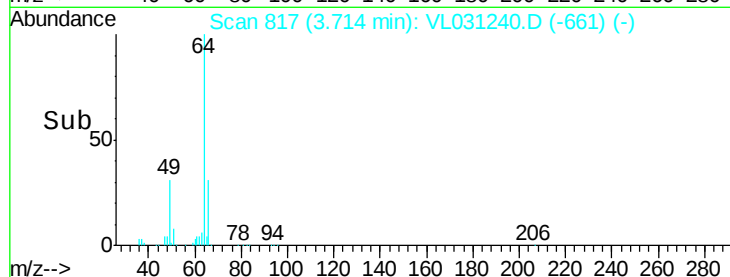
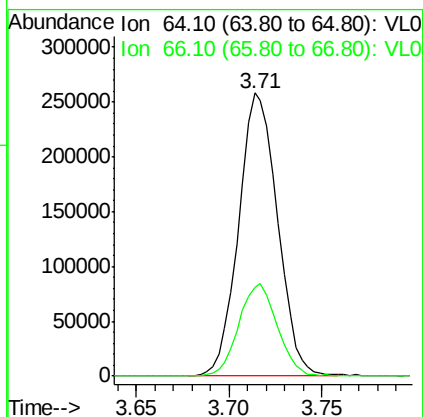
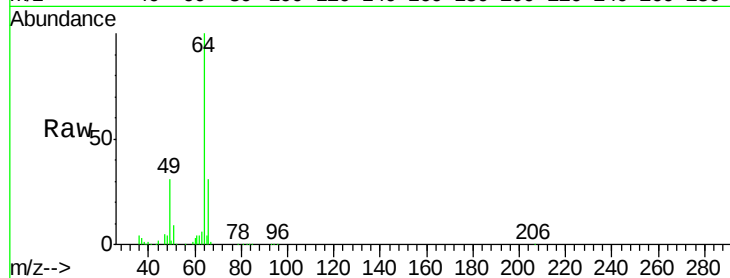
ClientSampled :

Tot Ion: 64 Resp: 376384

Ion Ratio Lower Upper

64 100

66 31.4 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 11.866 ppbv

RT: 3.32 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL031240.D

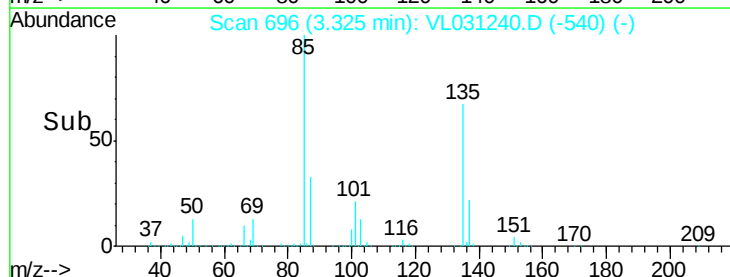
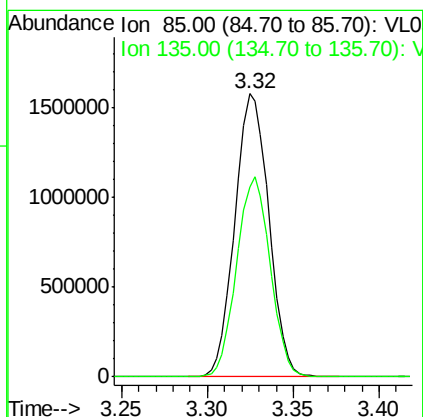
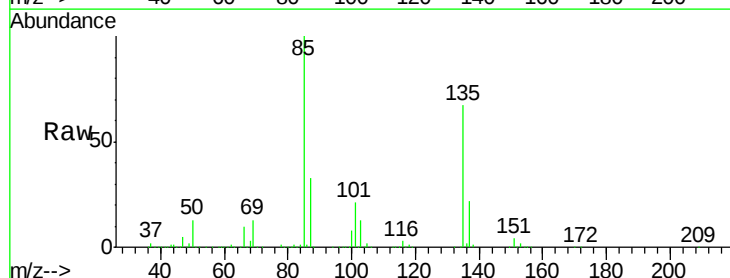
Acq: 14 Dec 2017 20:23

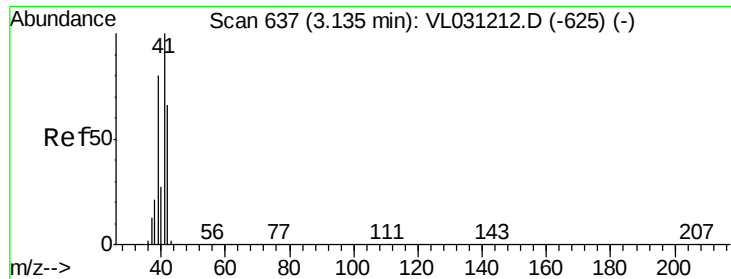
Tgt Ion: 85 Resp: 2160590

Ion Ratio Lower Upper

85 100

135 70.1 54.0 81.0





#9

Propene

Concen: 10.060 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

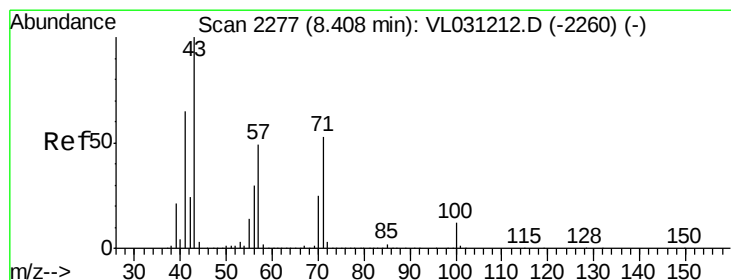
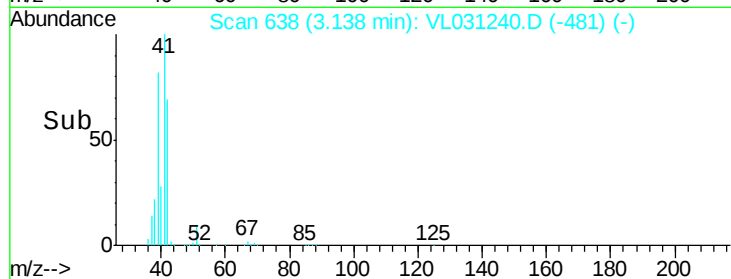
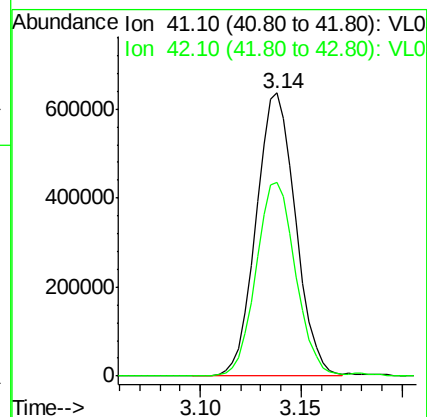
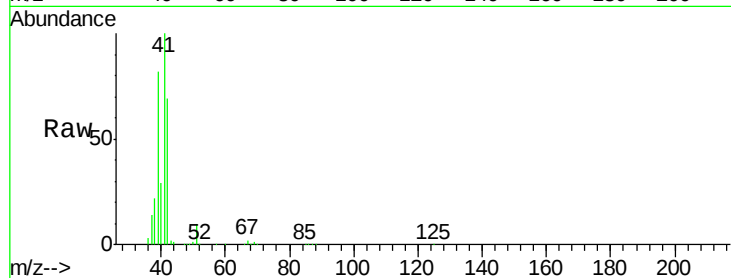
ClientSampleId :

Tot Ion: 41 Resp: 871751

Ion Ratio Lower Upper

41 100

42 69.2 54.3 81.5



#10

Heptane

Concen: 9.374 ppbv

RT: 8.41 min Scan# 2277

Delta R.T. 0.00 min

Lab File: VL031240.D

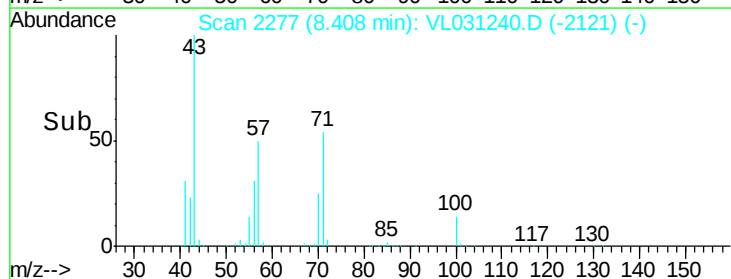
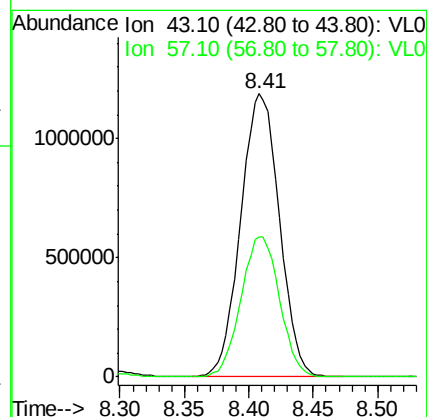
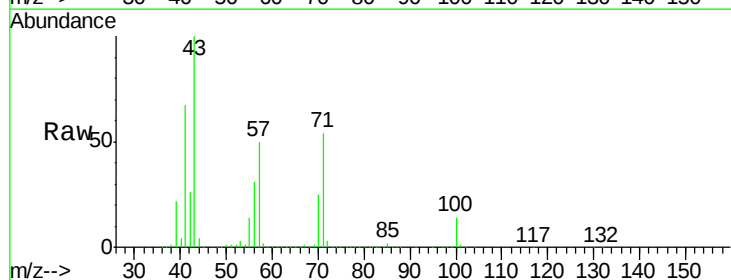
Acq: 14 Dec 2017 20:23

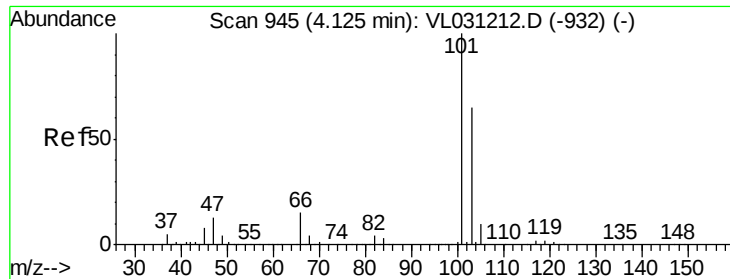
Tgt Ion: 43 Resp: 2472843

Ion Ratio Lower Upper

43 100

57 49.6 39.8 59.8

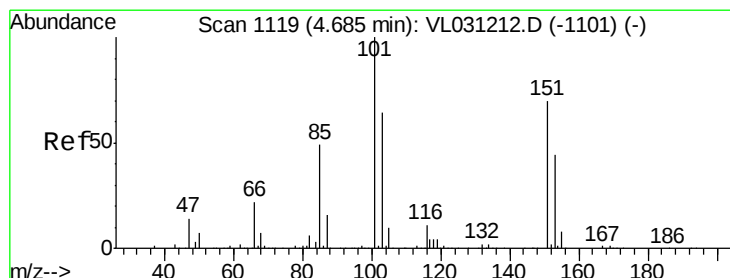
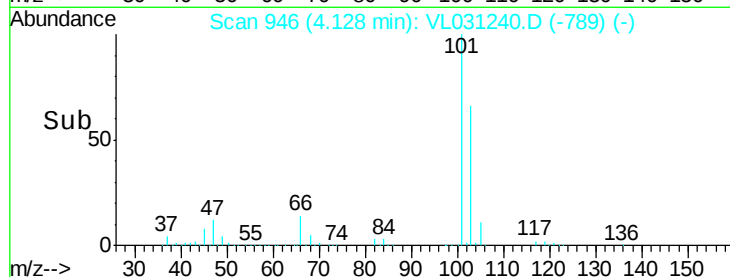
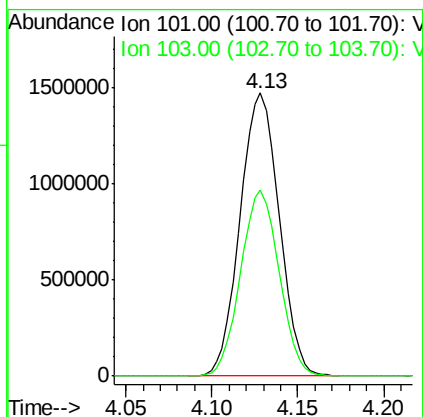
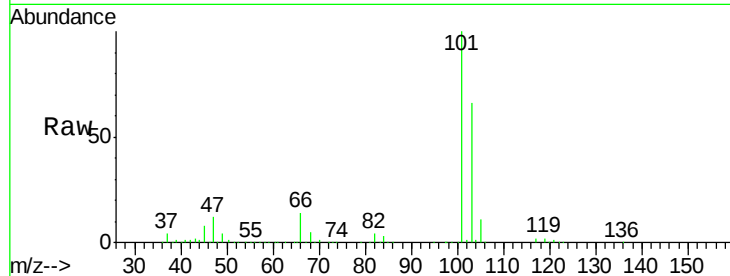




#11
 Trichlorofluoromethane
 Concen: 10.805 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

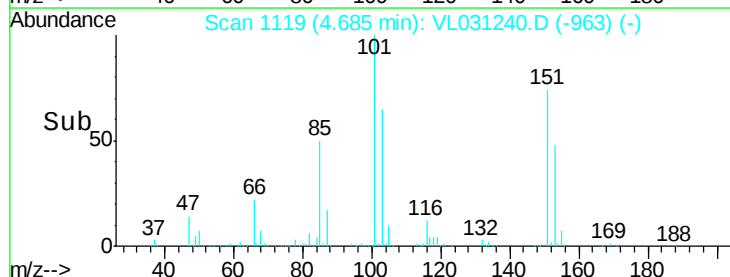
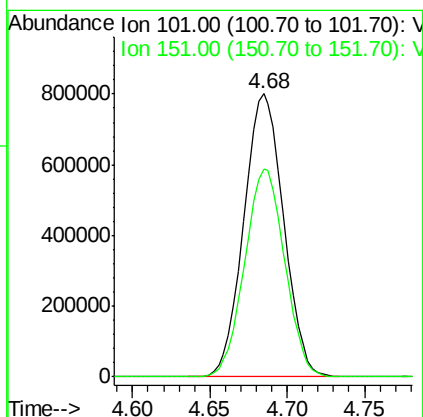
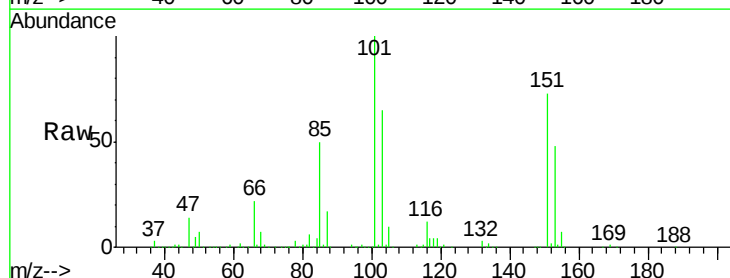
Instrument :
 MSVOA_L
 ClientSampleId :

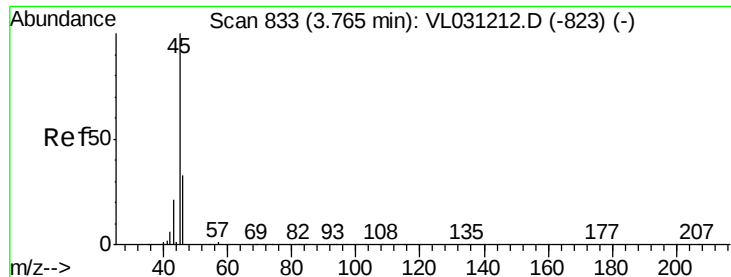
Tot Ion:101 Resp: 2329593
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.496 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion:101 Resp: 1434571
 Ion Ratio Lower Upper
 101 100
 151 74.1 56.5 84.7





#13

Ethanol

Concen: 7.904 ppbv

RT: 3.77 min Scan# 833

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

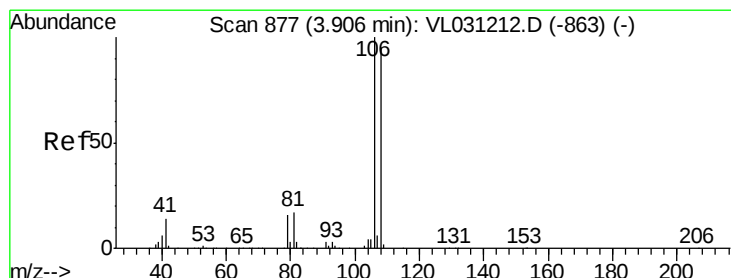
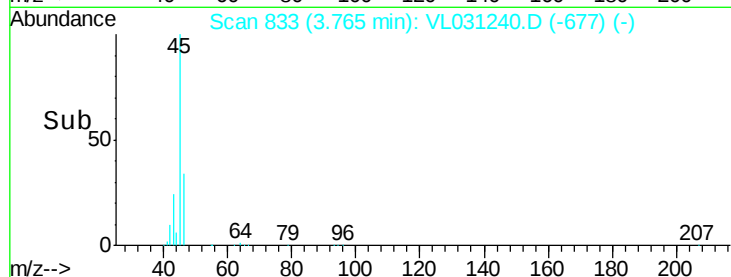
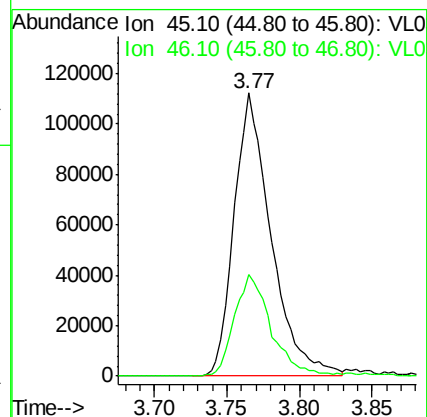
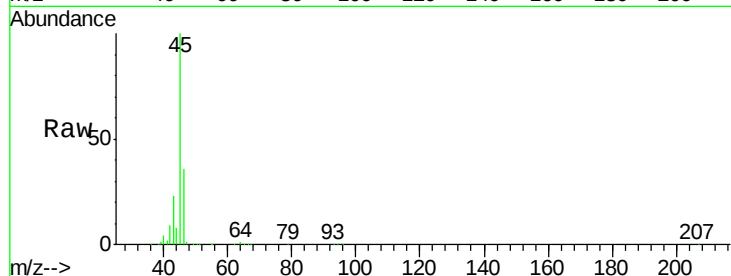
ClientSampleId :

Tot Ion: 45 Resp: 197557

Ion Ratio Lower Upper

45 100

46 37.0 14.6 58.4



#14

Bromoethene

Concen: 10.697 ppbv

RT: 3.91 min Scan# 877

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

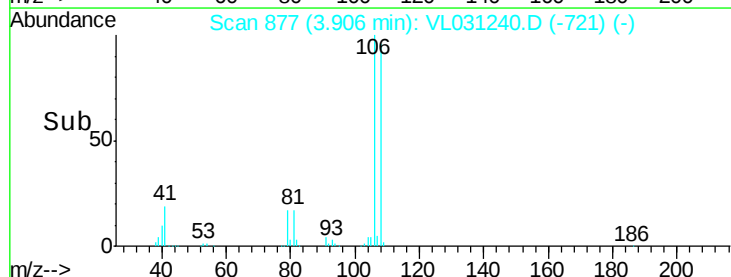
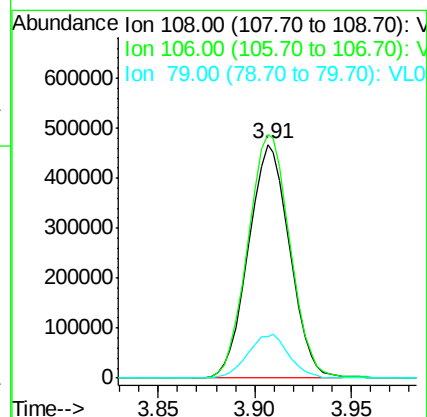
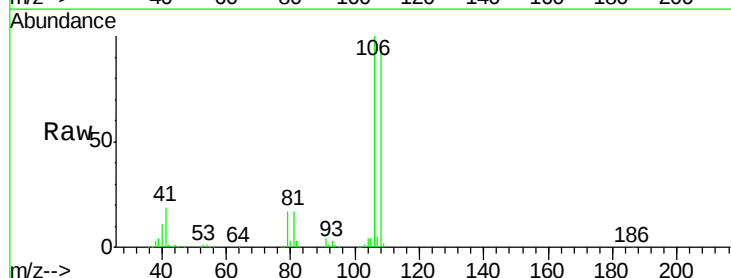
Tgt Ion: 108 Resp: 694705

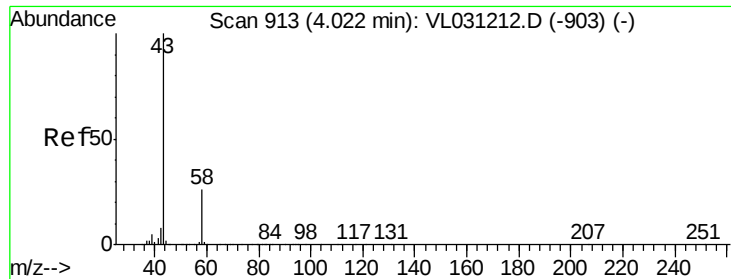
Ion Ratio Lower Upper

108 100

106 106.9 86.5 129.7

79 18.9 14.2 21.4





#15

Acetone

Concen: 8.341 ppbv

RT: 4.02 min Scan# 913

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

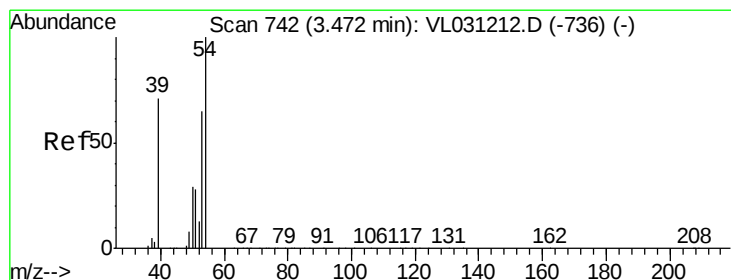
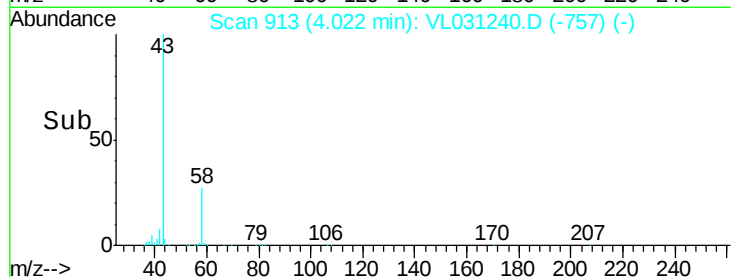
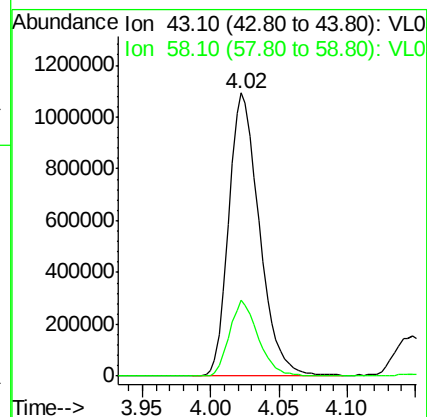
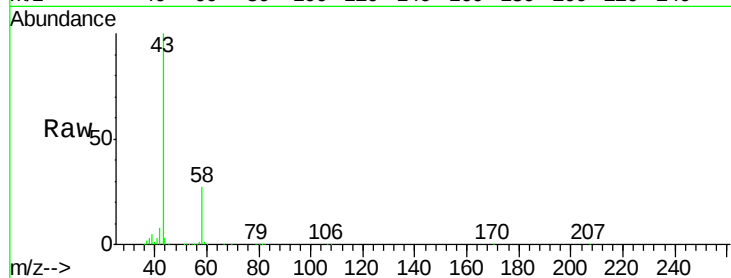
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 1709397

Ion Ratio Lower Upper

43 100

58 25.3 20.3 30.5



#16

1,3-Butadiene

Concen: 9.926 ppbv

RT: 3.47 min Scan# 742

Delta R.T. 0.00 min

Lab File: VL031240.D

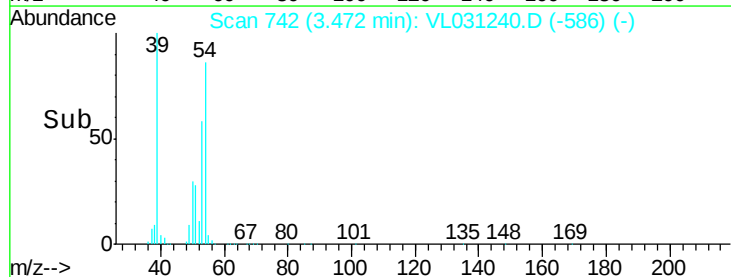
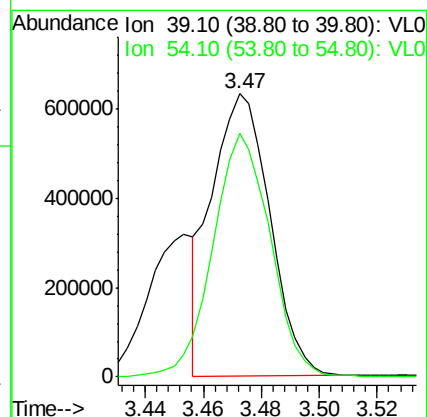
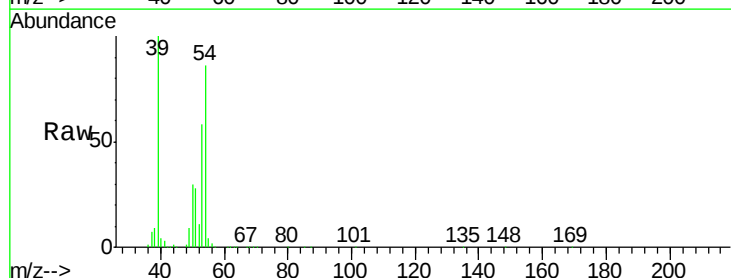
Acq: 14 Dec 2017 20:23

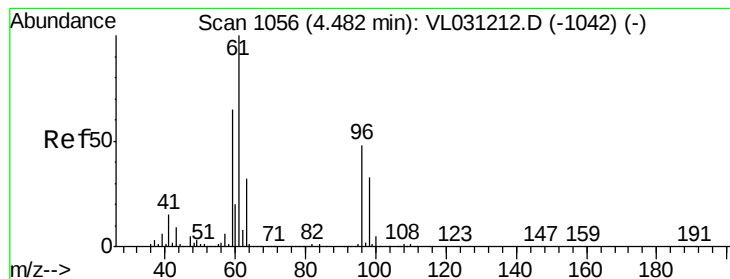
Tgt Ion: 39 Resp: 875124

Ion Ratio Lower Upper

39 100

54 86.2 66.4 99.6





#17

tert-Butyl alcohol

Concen: 7.773 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

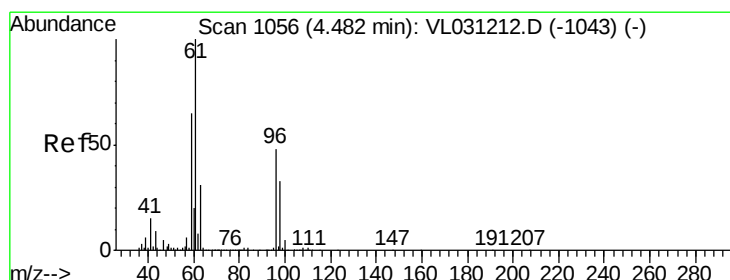
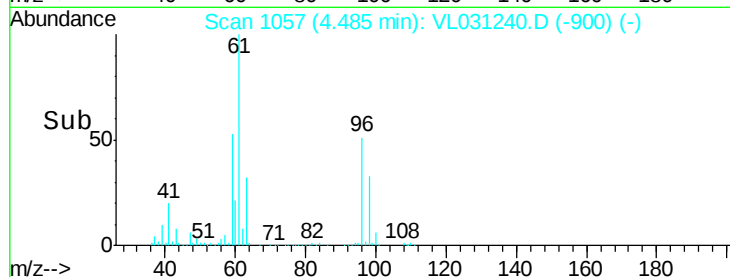
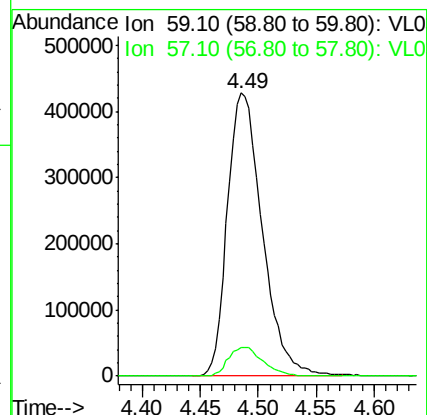
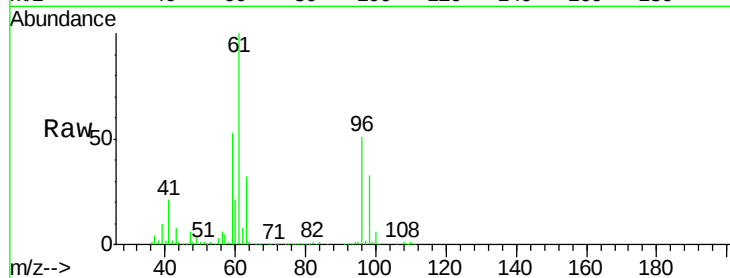
ClientSampled :

Tot Ion: 59 Resp: 894116

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.2



#18

1,1-Dichloroethene

Concen: 10.276 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

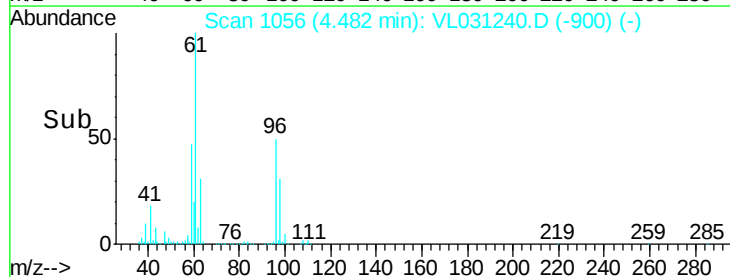
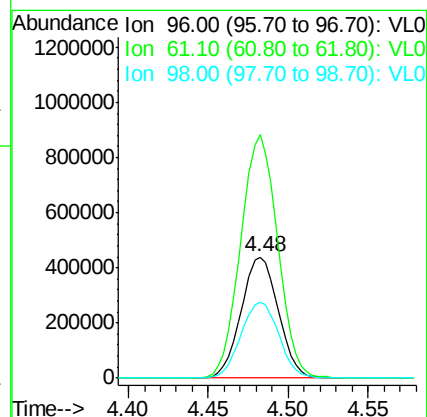
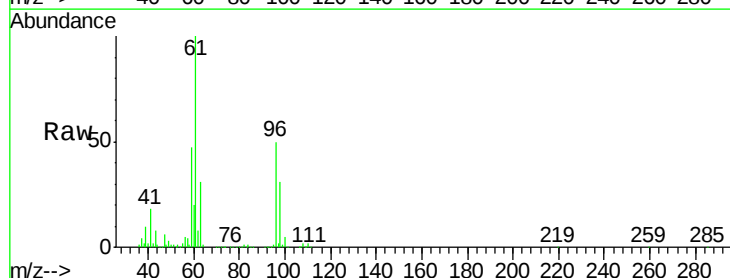
Tgt Ion: 96 Resp: 695472

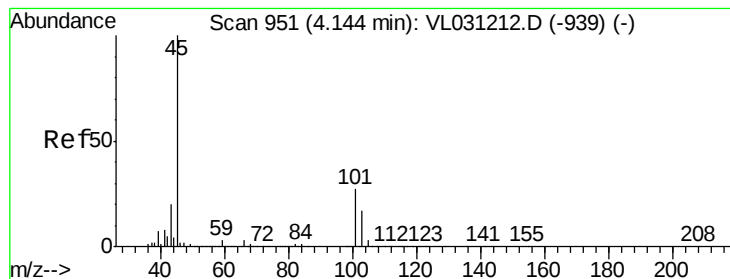
Ion Ratio Lower Upper

96 100

61 200.6 166.8 250.2

98 62.2 55.0 82.6





#19

Isopropyl Alcohol

Concen: 9.230 ppbv

RT: 4.15 min Scan# 952

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

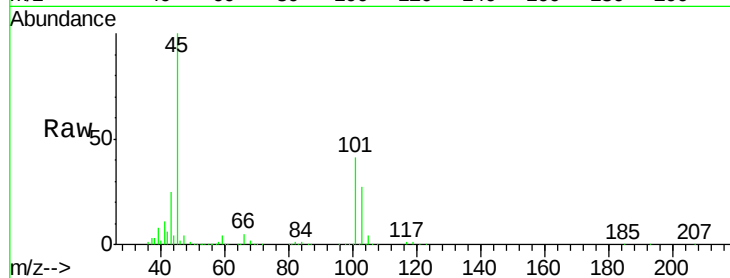
ClientSampleId :

Tot Ion: 45 Resp: 1197127

Ion Ratio Lower Upper

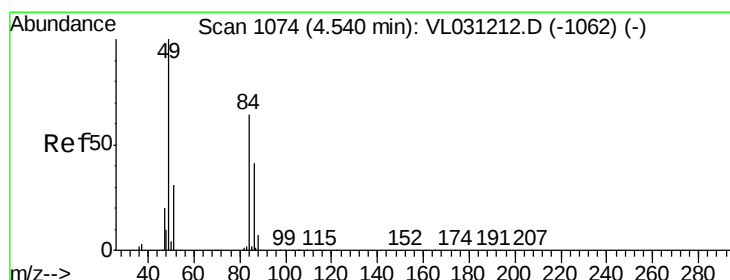
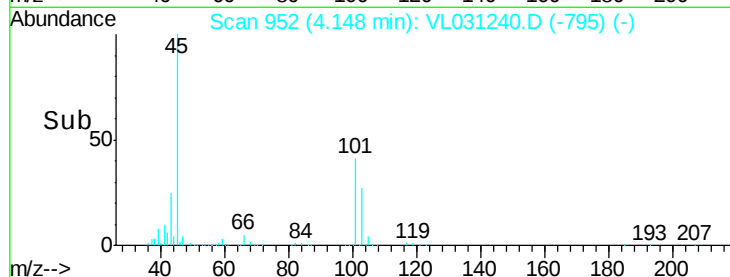
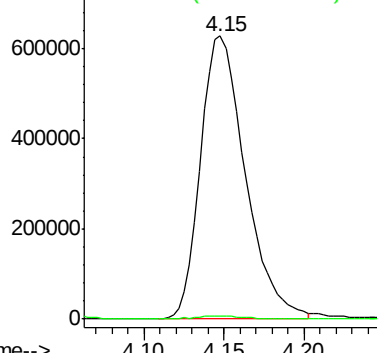
45 100

58 1.4 27.2 40.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.586 ppbv

RT: 4.54 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Tgt Ion: 84 Resp: 650189

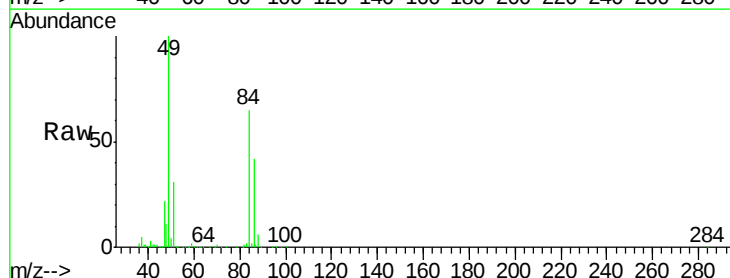
Ion Ratio Lower Upper

84 100

49 153.1 125.8 188.6

51 46.1 39.3 58.9

86 65.5 51.1 76.7

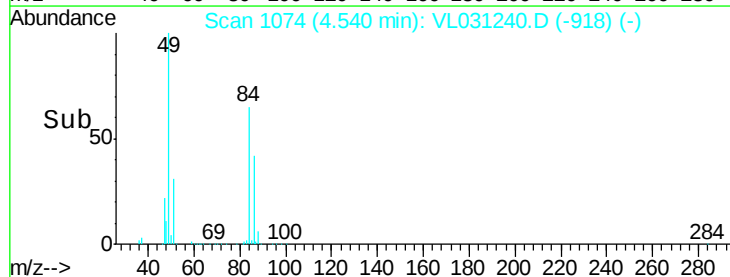
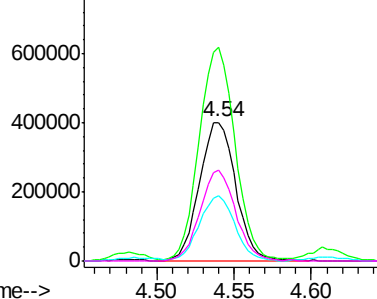


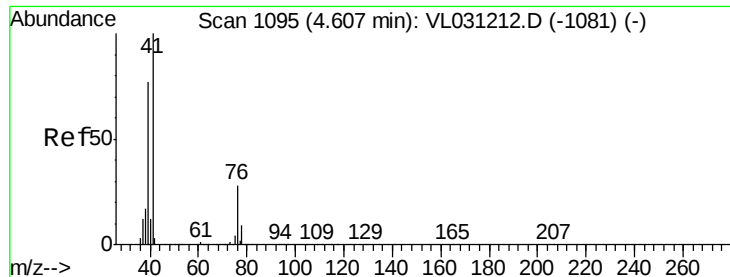
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

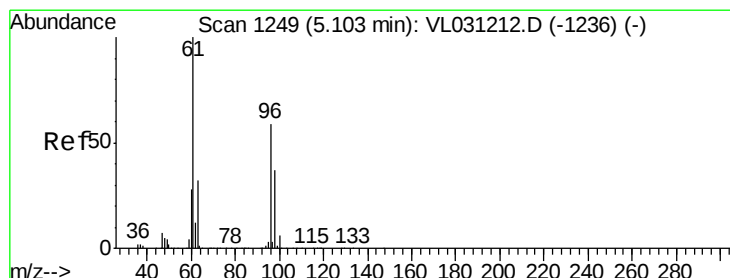
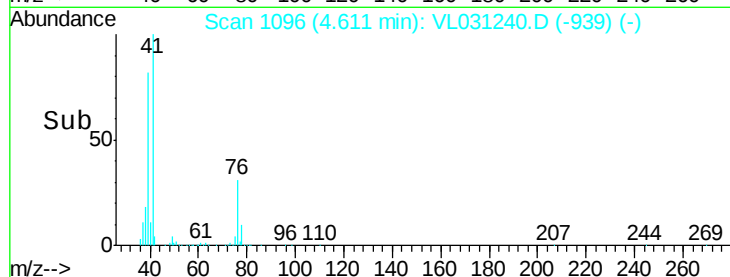
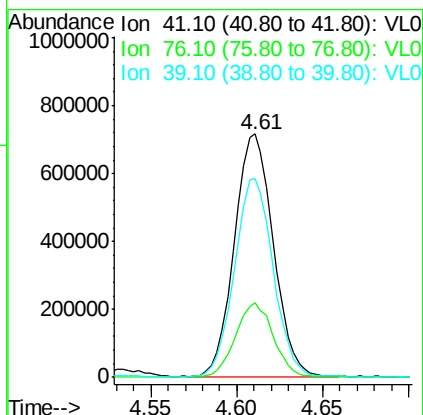
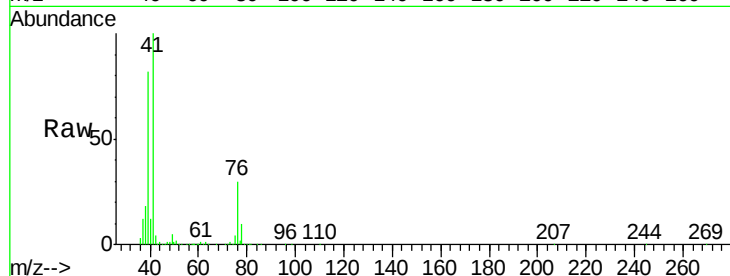




#21
Allvl Chloride
Concen: 9.338 ppbv
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

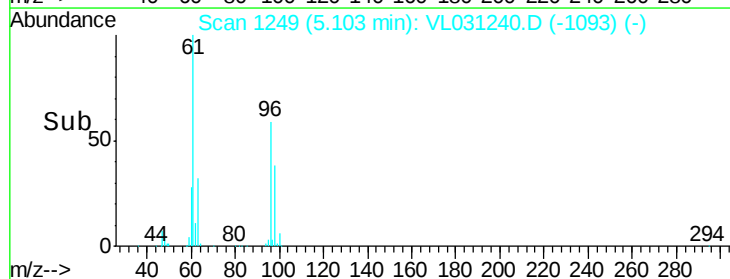
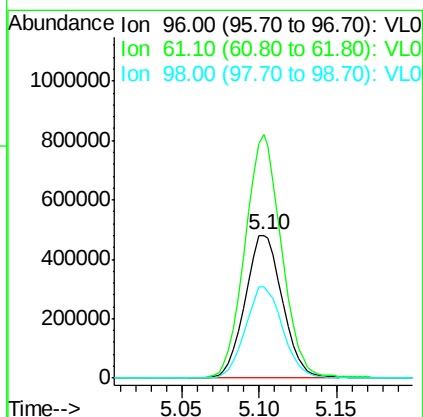
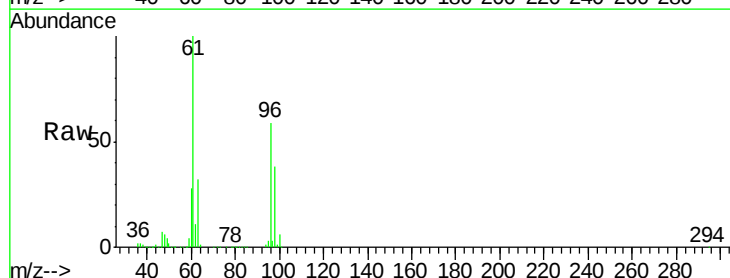
Instrument :
MSVOA_L
ClientSampleId :

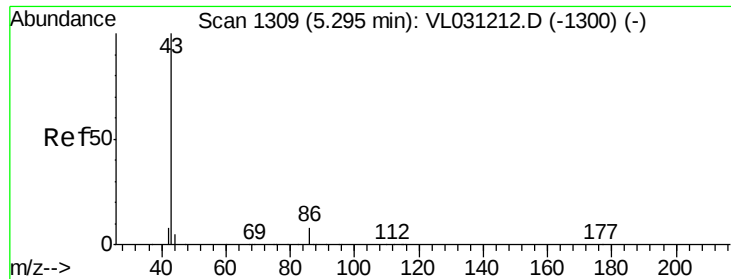
Tot Ion: 41 Resp: 1125708
Ion Ratio Lower Upper
41 100
76 30.1 22.9 34.3
39 81.5 62.6 93.8



#22
trans-1,2-Dichloroethene
Concen: 9.723 ppbv
RT: 5.10 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion: 96 Resp: 809035
Ion Ratio Lower Upper
96 100
61 170.7 135.0 202.4
98 64.1 50.5 75.7



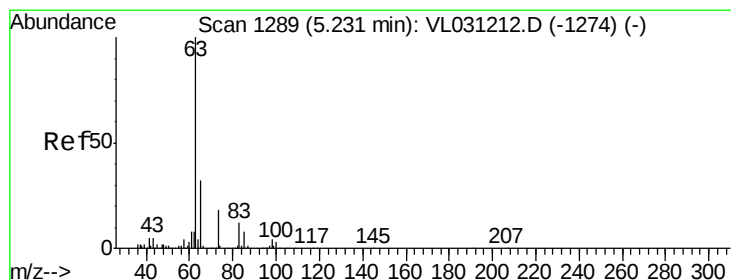
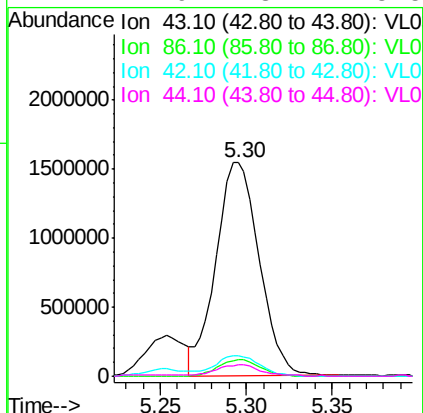
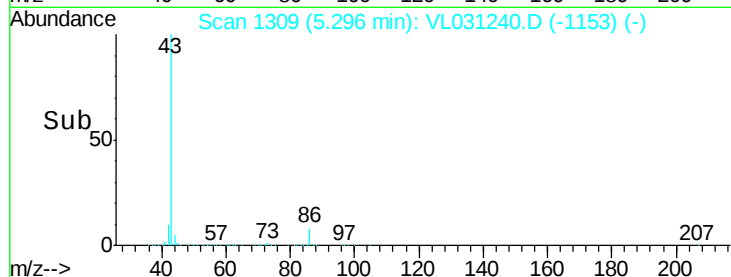
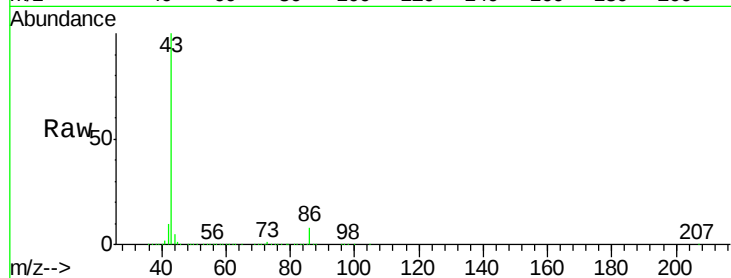


#23
 Vinyl Acetate
 Concen: 8.212 ppbv
 RT: 5.30 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 43 Resp: 2711420

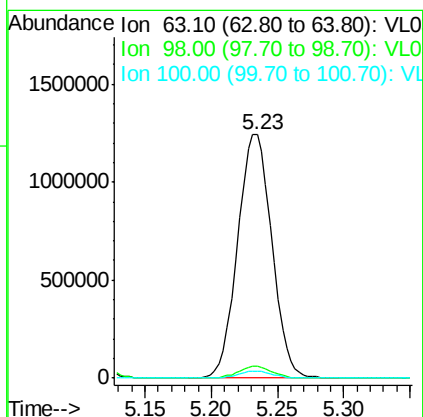
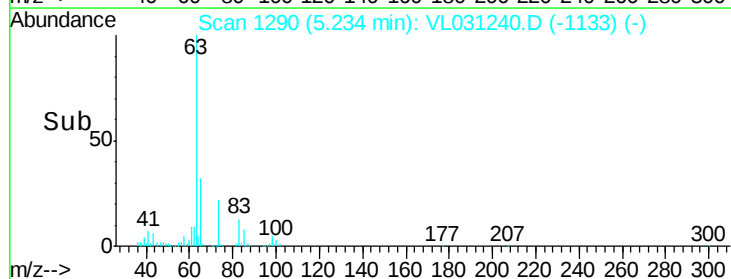
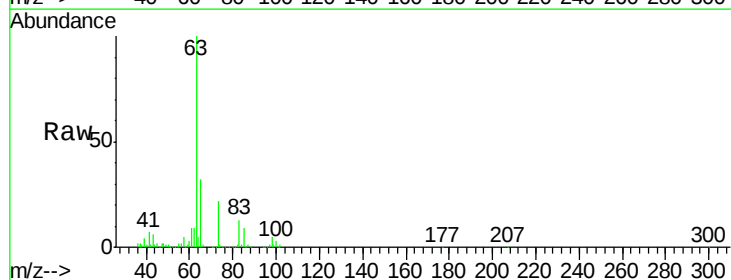
Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.9	8.9
42	9.7	7.3	10.9
44	4.9	3.7	5.5

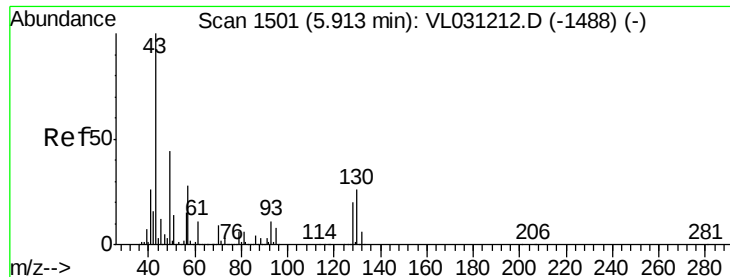


#24
 1,1-Dichloroethane
 Concen: 9.301 ppbv
 RT: 5.23 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion: 63 Resp: 2230286

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	2.9	1.4	4.2



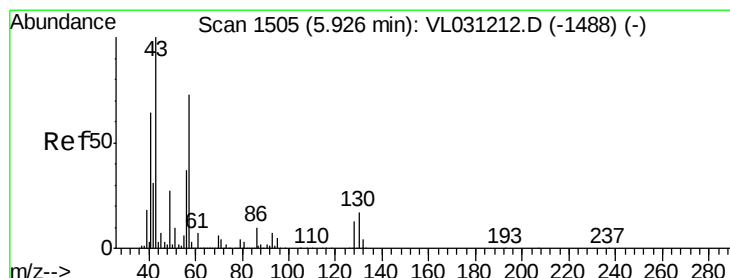
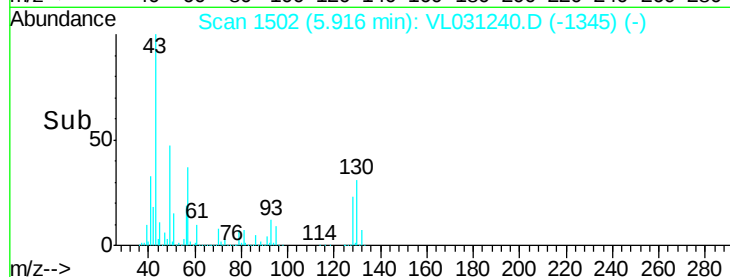
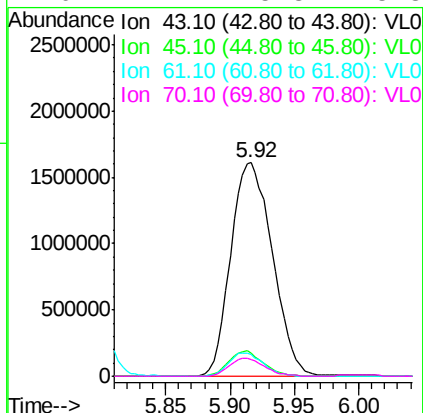
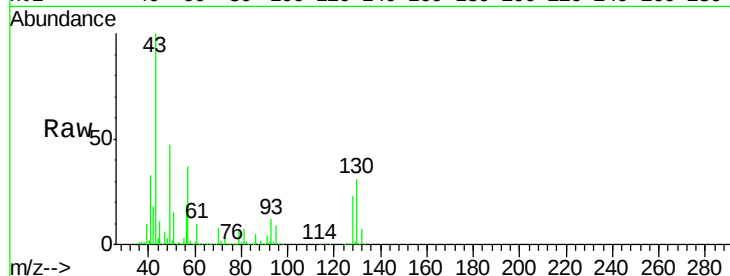


#25
Ethyl Acetate
Concen: 8.649 ppbv
RT: 5.92 min Scan# 1502
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3621287

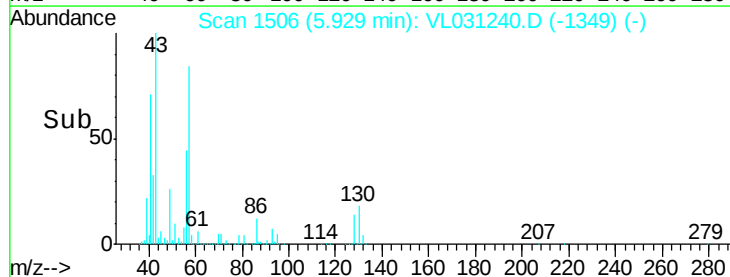
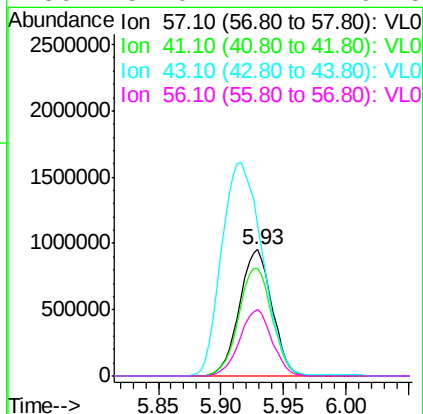
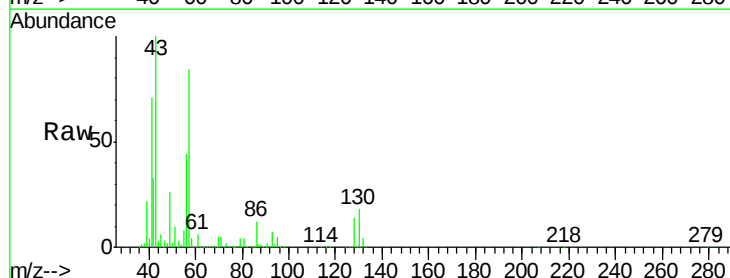
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.0	7.4	11.0
70	7.1	5.8	8.8

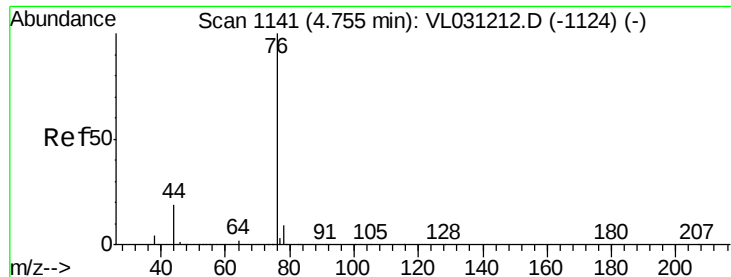


#26
Hexane
Concen: 8.678 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion: 57 Resp: 1723416

Ion	Ratio	Lower	Upper
57	100		
41	87.8	70.3	105.5
43	211.3	173.8	260.8
56	52.0	41.7	62.5

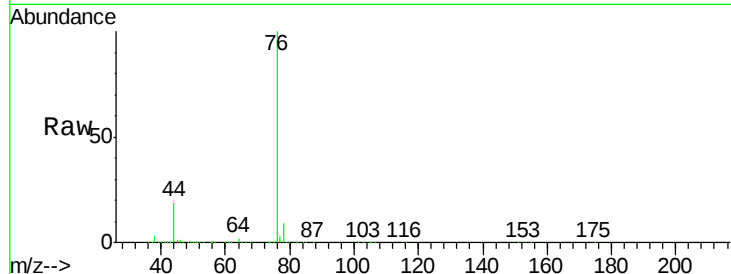




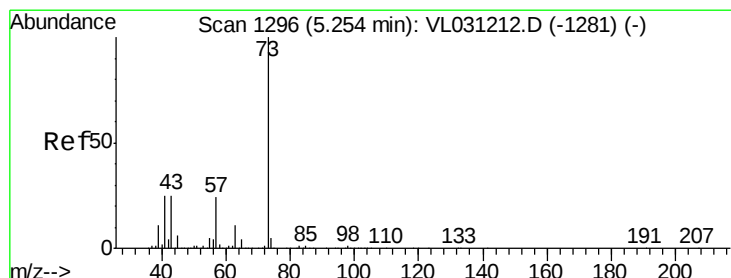
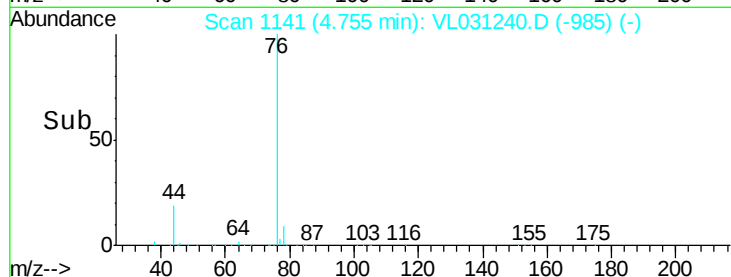
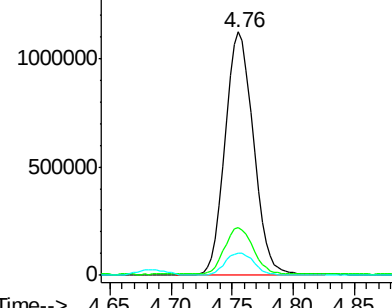
#27
Carbon Disulfide
Concen: 9.103 ppbv
RT: 4.76 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 1810282
Ion Ratio Lower Upper
76 100
44 19.8 16.0 24.0
78 9.5 7.5 11.3

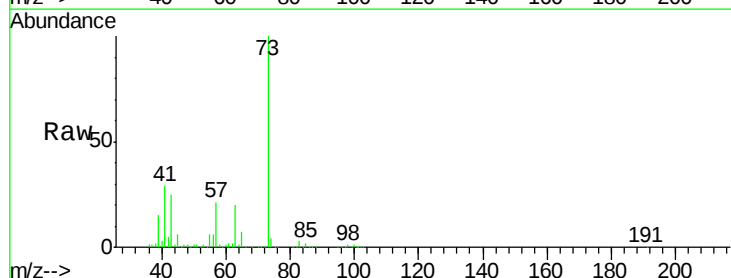


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

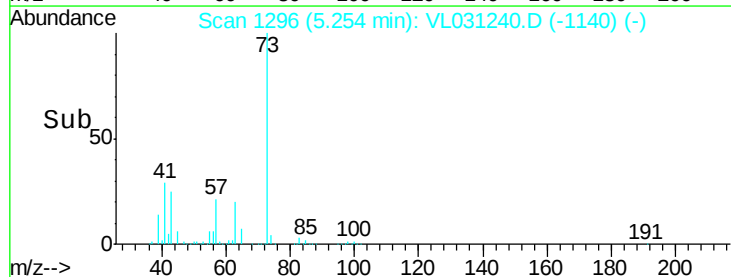
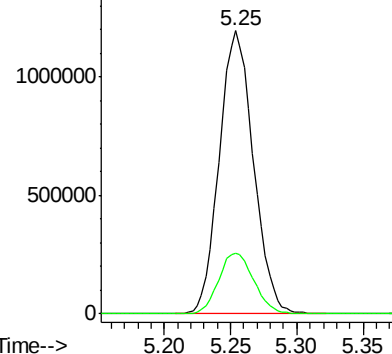


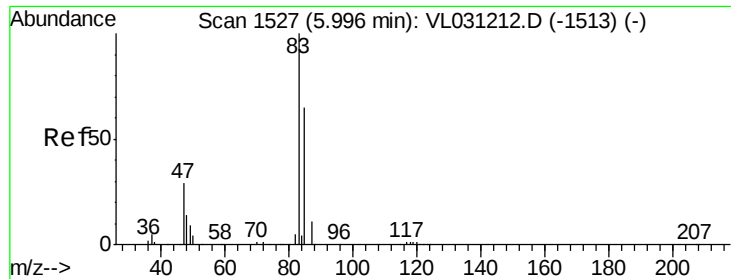
#28
Methyl tert-Butyl Ether
Concen: 8.249 ppbv
RT: 5.25 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion: 73 Resp: 2142359
Ion Ratio Lower Upper
73 100
57 22.3 18.5 27.7



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

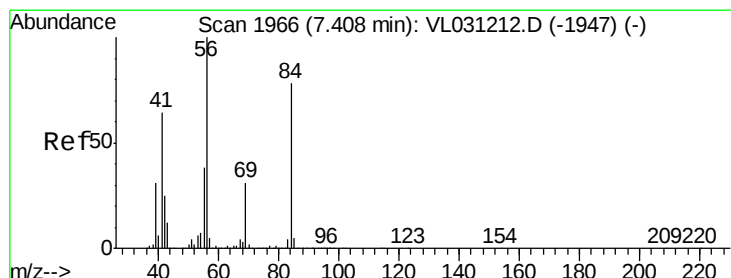
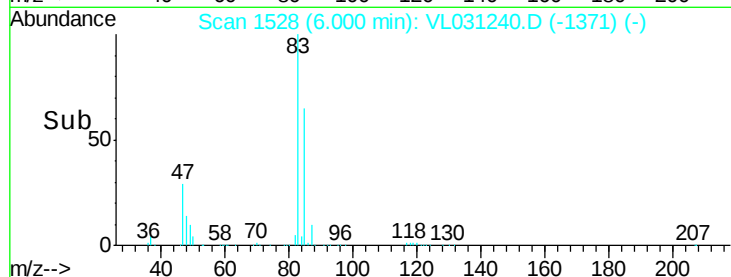
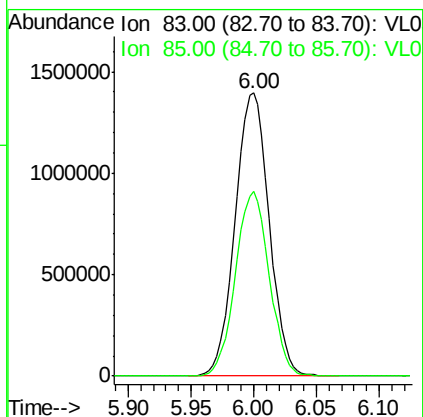
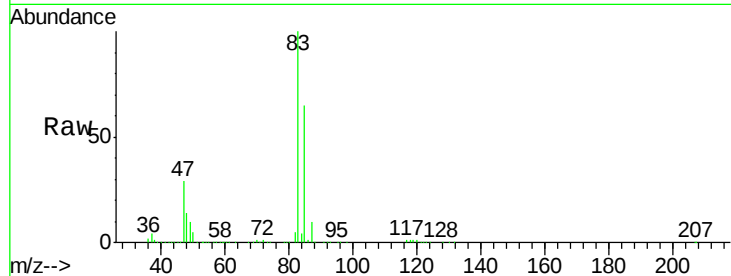




#29
Chloroform
Concen: 9.822 ppbv
RT: 6.00 min Scan# 1528
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

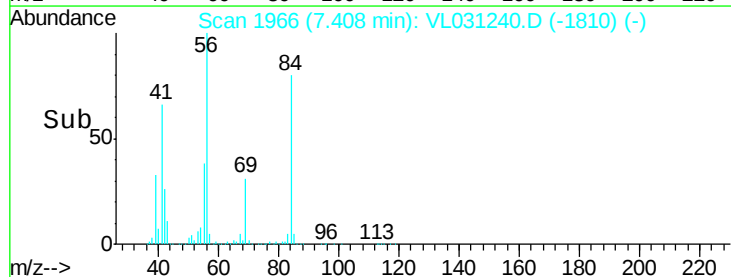
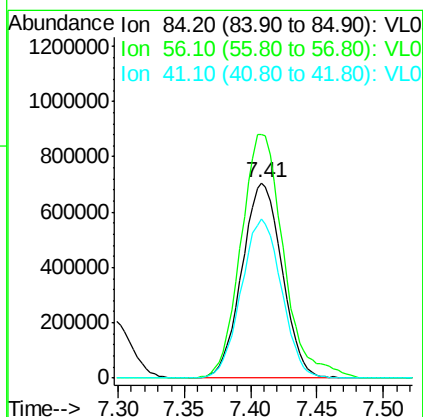
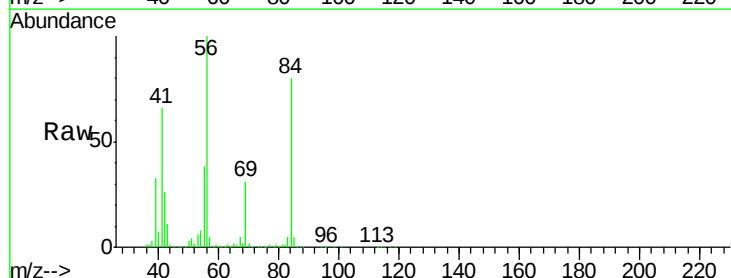
Instrument :
MSVOA_L
ClientSampleId :

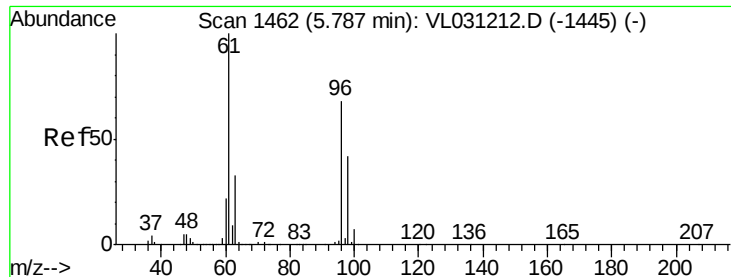
Tot Ion: 83 Resp: 2633505
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.6



#30
Cyclohexane
Concen: 8.495 ppbv
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion: 84 Resp: 1485997
Ion Ratio Lower Upper
84 100
56 132.9 108.0 162.0
41 81.8 66.2 99.4





#31

cis-1,2-Dichloroethene

Concen: 9.235 ppbv

RT: 5.79 min Scan# 1462

Delta R.T. 0.00 min

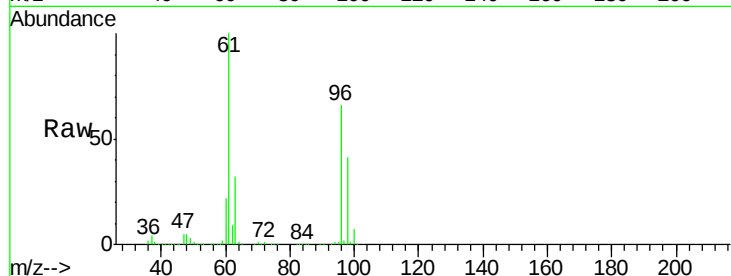
Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1663341

Ion	Ratio	Lower	Upper
61	100		
96	66.1	54.4	81.6
98	40.8	33.6	50.4

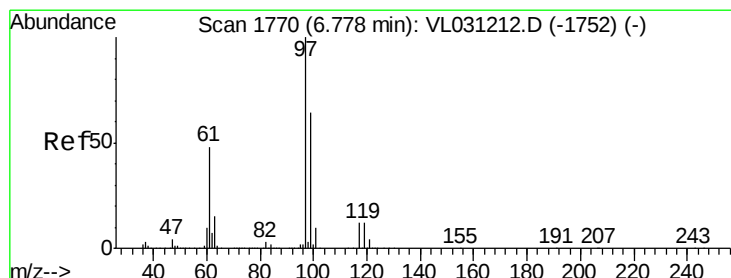
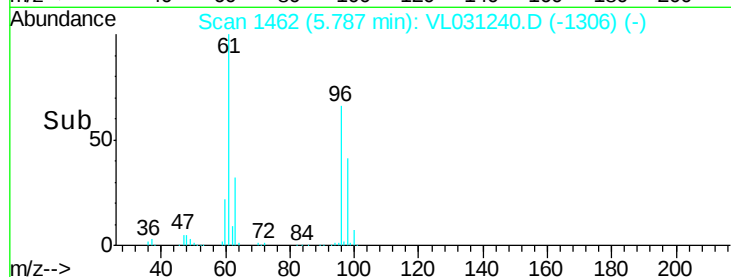
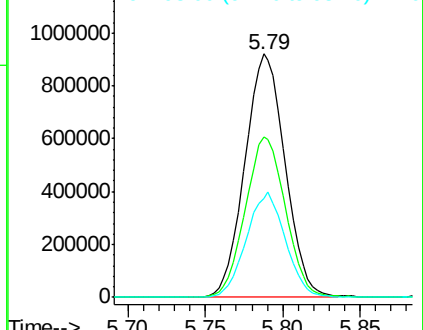


Abundance

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: 8.971 ppbv

RT: 6.78 min Scan# 1770

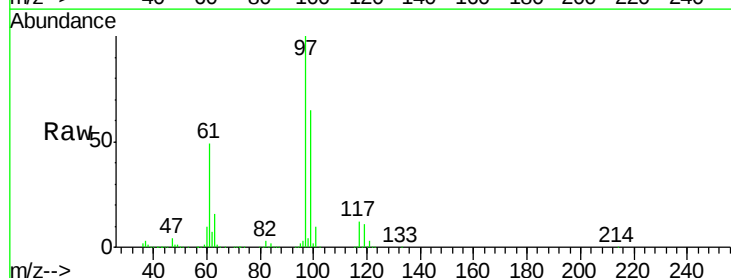
Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Tgt Ion: 97 Resp: 2571765

Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	49.5	38.4	57.6

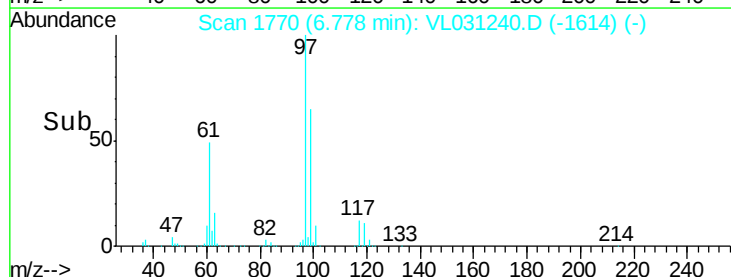
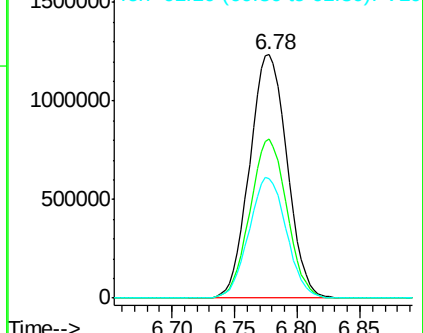


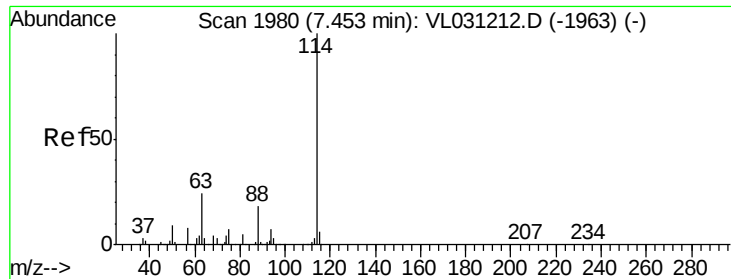
Abundance

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

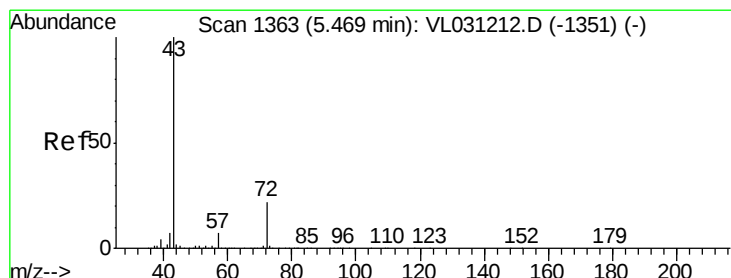
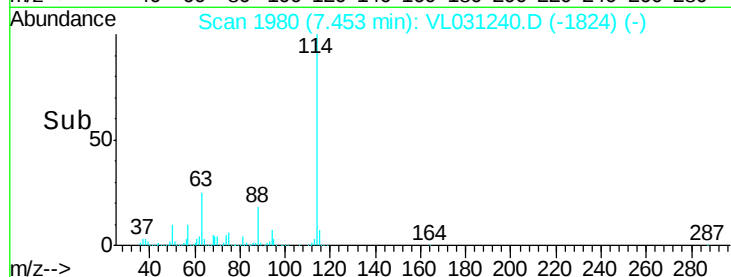
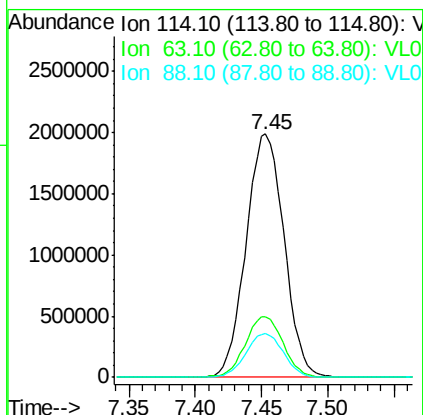
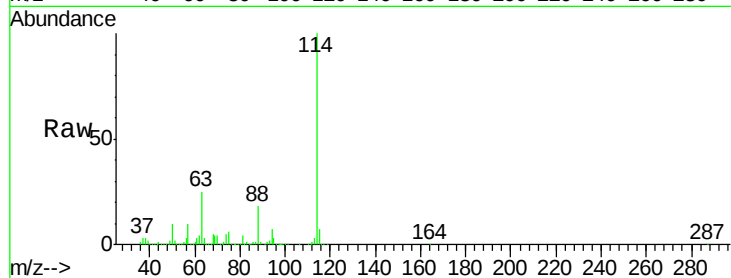




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.45 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

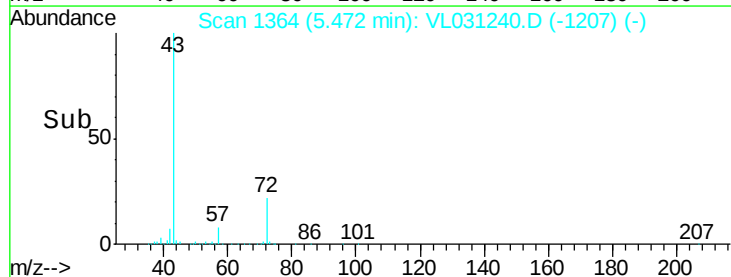
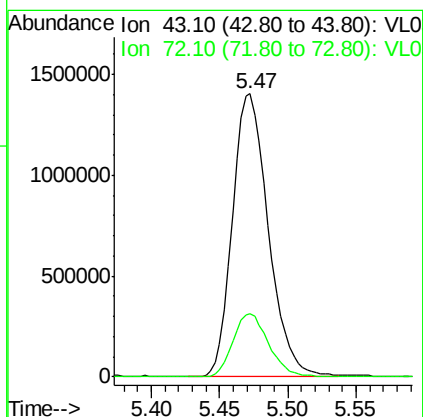
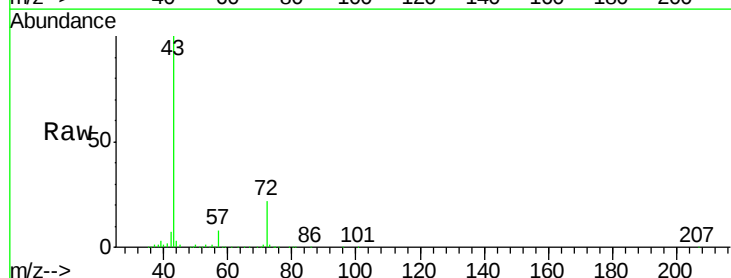
Instrument :
 MSVOA_L
 ClientSampleId :

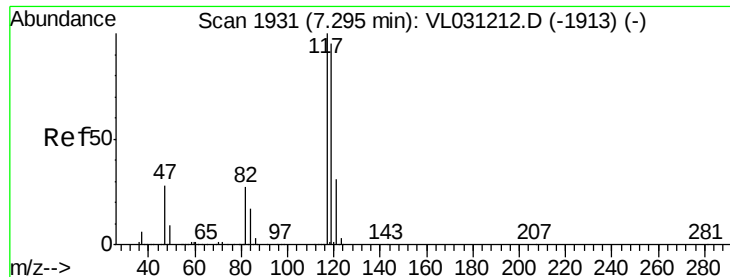
Tot Ion:114 Resp: 3971910
 Ion Ratio Lower Upper
 114 100
 63 25.1 19.8 29.8
 88 17.7 14.2 21.4



#34
 2-Butanone
 Concen: 9.112 ppbv
 RT: 5.47 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion: 43 Resp: 2556187
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.1 27.1





#35

Carbon Tetrachloride

Concen: 9.164 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

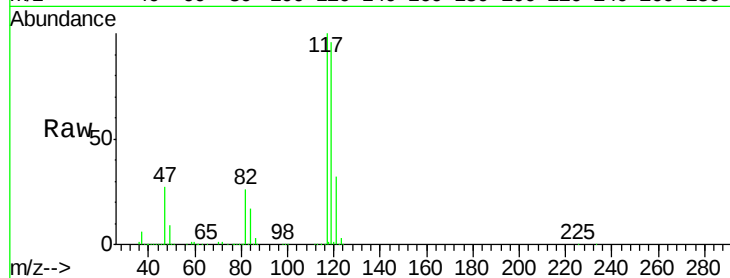
Tot Ion:117 Resp: 2607385

Ion Ratio Lower Upper

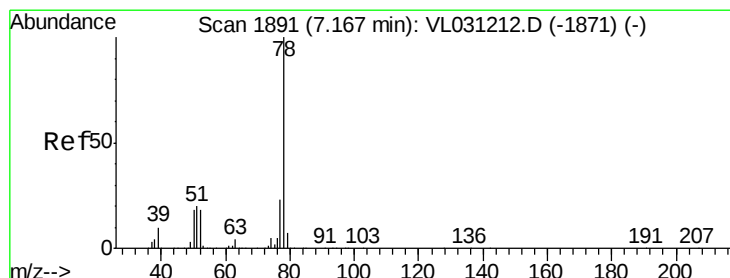
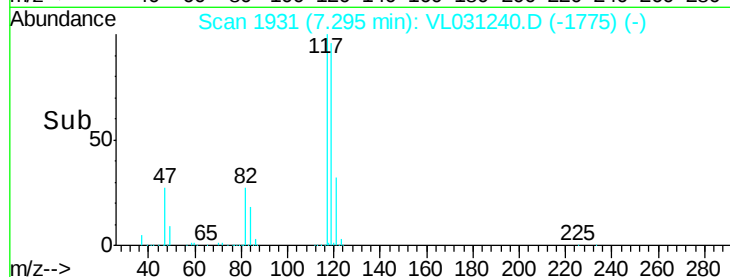
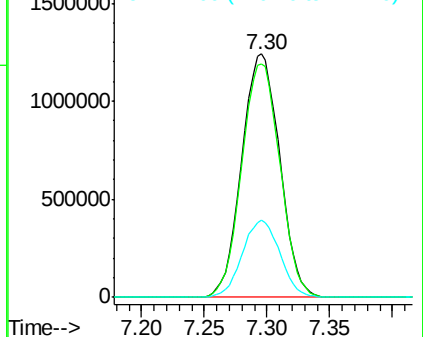
117 100

119 95.9 75.9 113.9

121 31.7 24.6 37.0



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: 8.551 ppbv

RT: 7.16 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

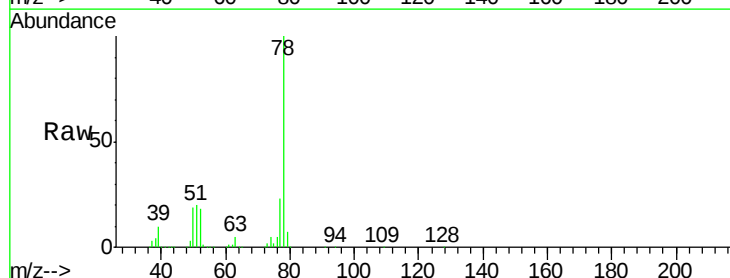
Tgt Ion: 78 Resp: 3599173

Ion Ratio Lower Upper

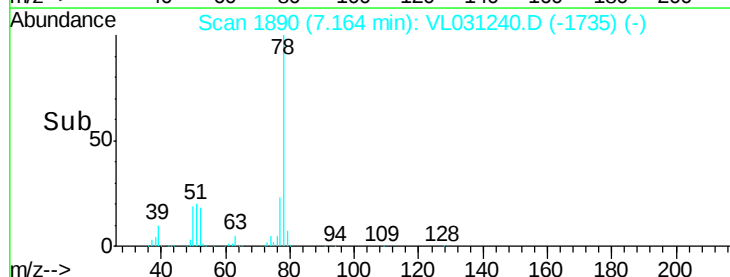
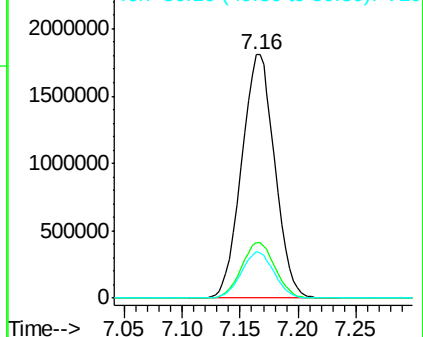
78 100

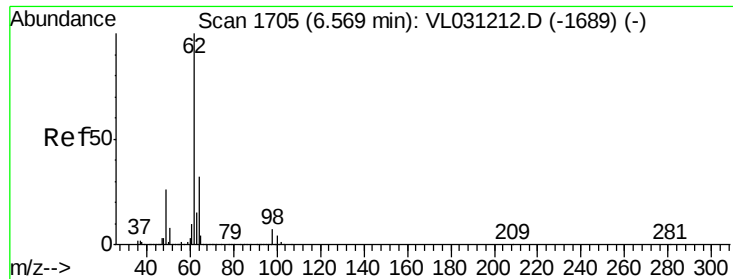
77 22.6 18.1 27.1

50 19.2 14.6 21.8



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

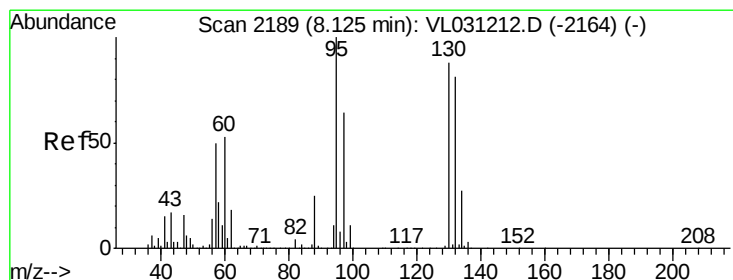
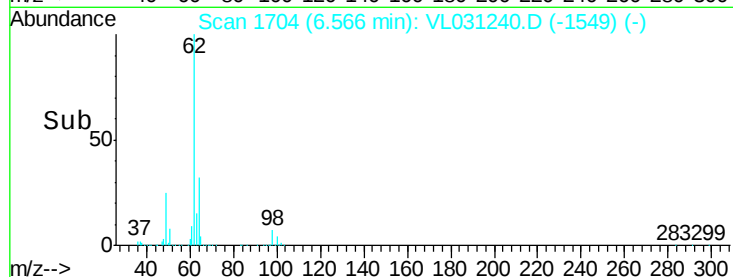
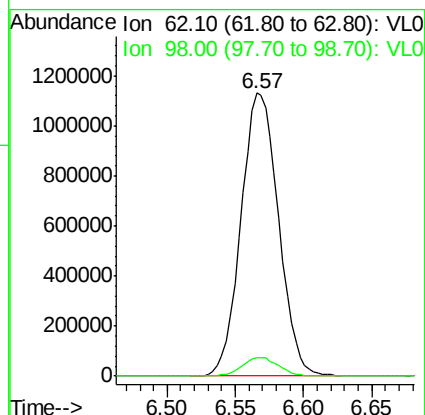
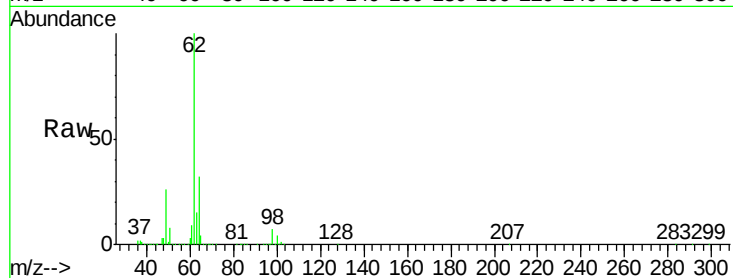




#37
 1,2-Dichloroethane
 Concen: 9.303 ppbv
 RT: 6.57 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

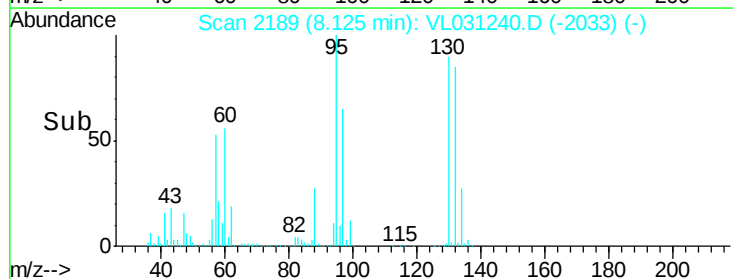
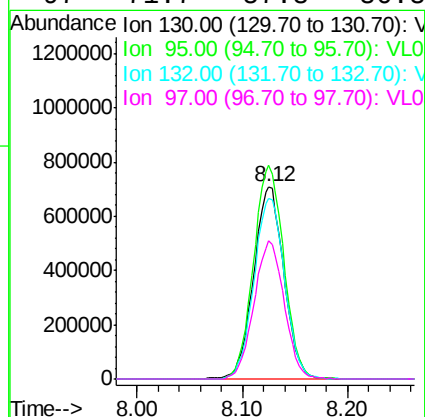
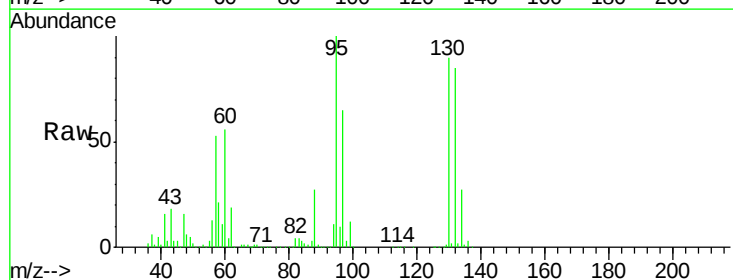
Instrument :
 MSVOA_L
 ClientSampleId :

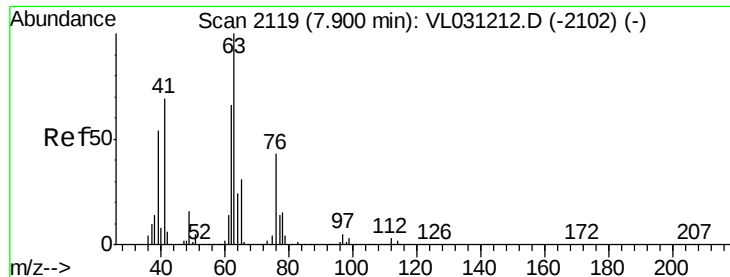
Tot Ion: 62 Resp: 2160587
 Ion Ratio Lower Upper
 62 100
 98 6.5 5.4 8.2



#38
 Trichloroethene
 Concen: 8.623 ppbv
 RT: 8.12 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion: 130 Resp: 1416045
 Ion Ratio Lower Upper
 130 100
 95 111.1 90.6 135.8
 132 93.9 73.5 110.3
 97 71.7 57.8 86.8





#39

1,2-Dichloropropane

Concen: 9.051 ppbv

RT: 7.90 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

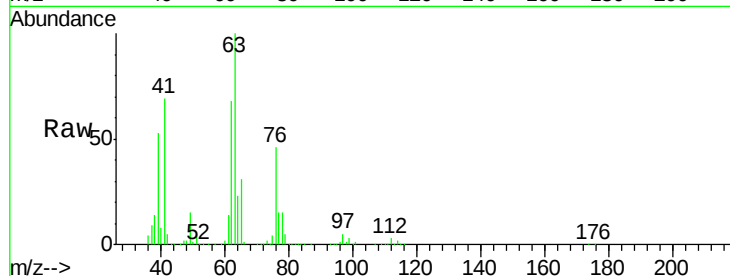
Tot Ion: 63 Resp: 1347050

Ion Ratio Lower Upper

63 100

41 69.1 55.2 82.8

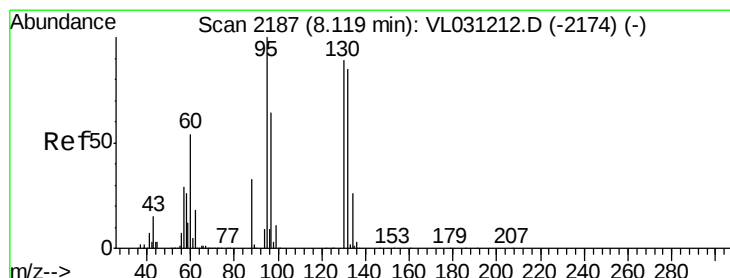
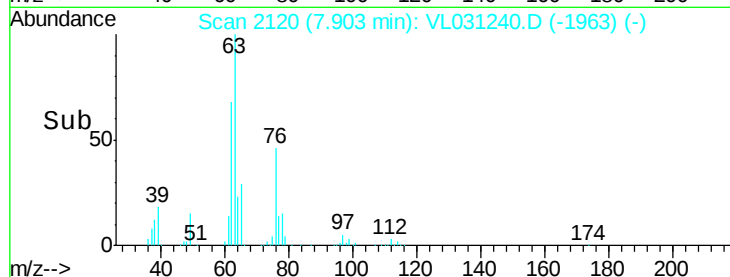
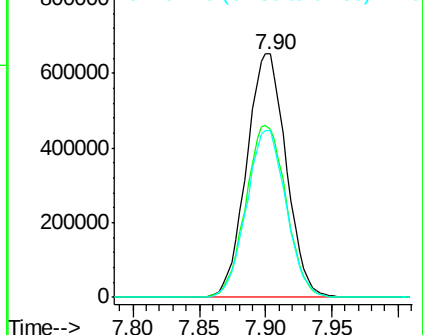
62 68.2 53.0 79.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.993 ppbv

RT: 8.12 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Tgt Ion: 88 Resp: 590485

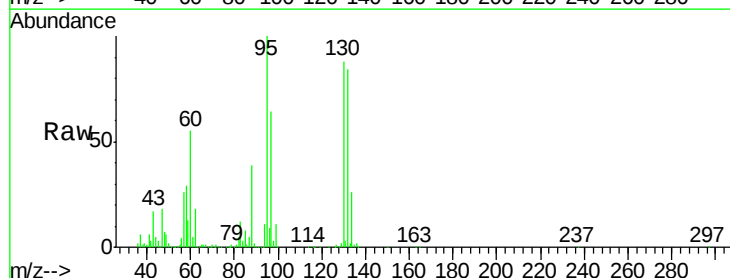
Ion Ratio Lower Upper

88 100

58 119.5 104.3 156.5

43 227.9 0.0 0.0#

57 987.0 0.0 0.0#

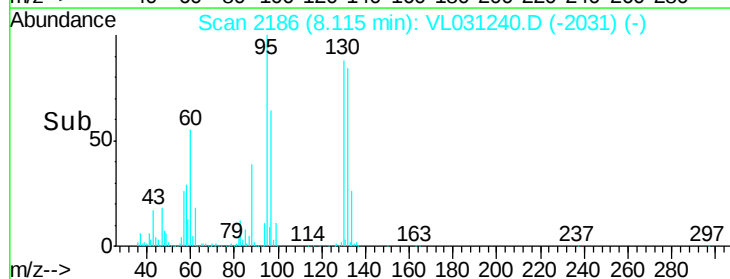
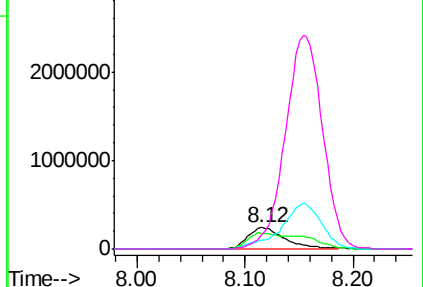


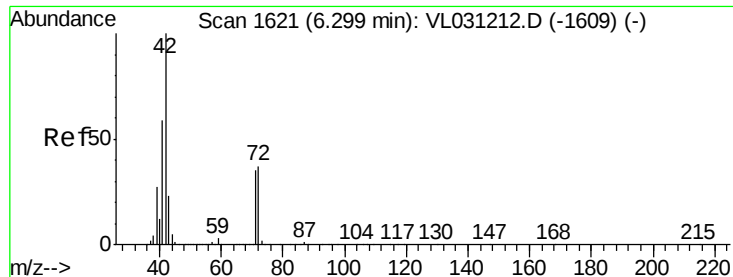
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.425 ppbv

RT: 6.30 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampled :

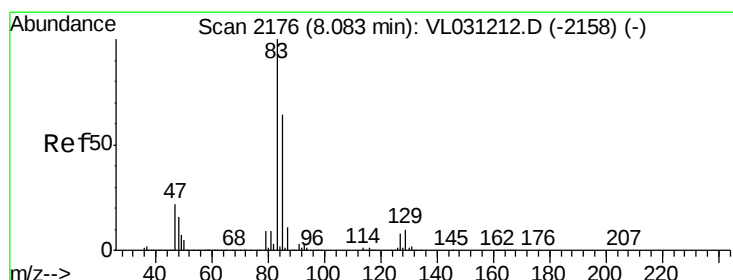
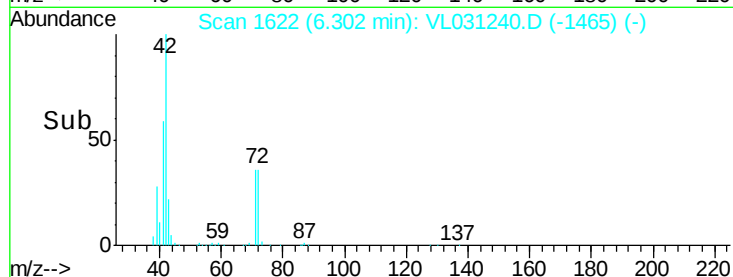
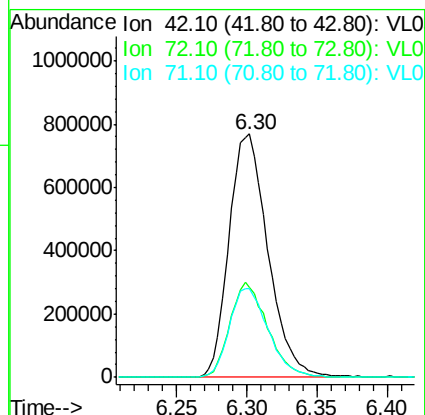
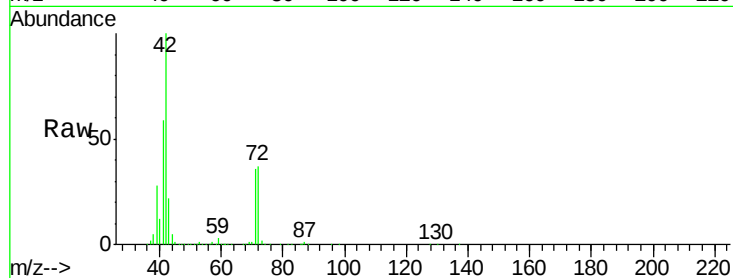
Tot Ion: 42 Resp: 1486697

Ion Ratio Lower Upper

42 100

72 37.8 30.2 45.4

71 36.7 29.0 43.6



#42

Bromodichloromethane

Concen: 10.007 ppbv

RT: 8.08 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

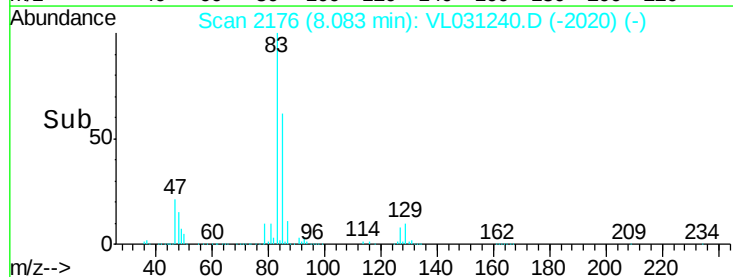
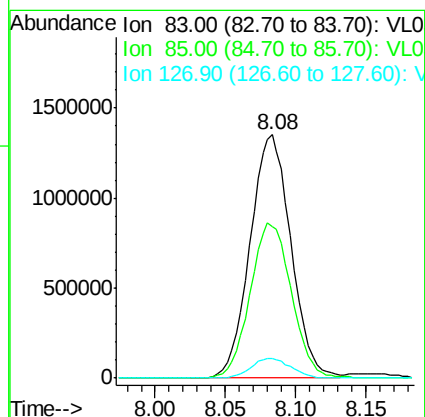
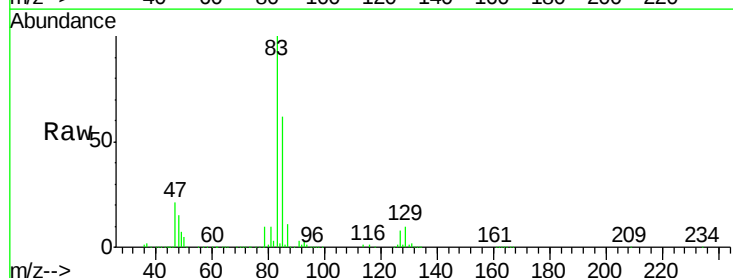
Tgt Ion: 83 Resp: 2739395

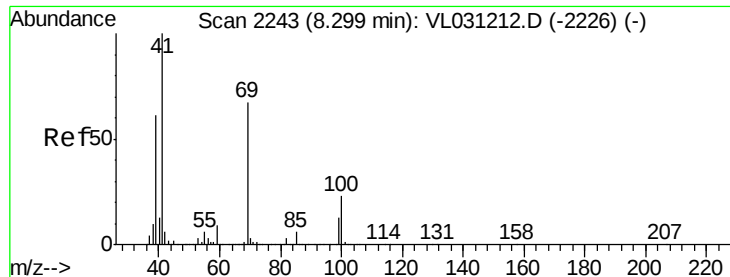
Ion Ratio Lower Upper

83 100

85 62.3 51.5 77.3

127 7.9 6.5 9.7

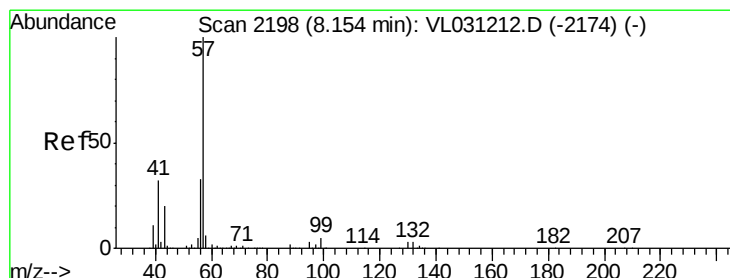
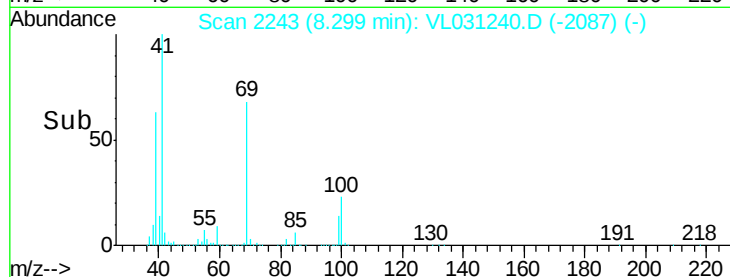
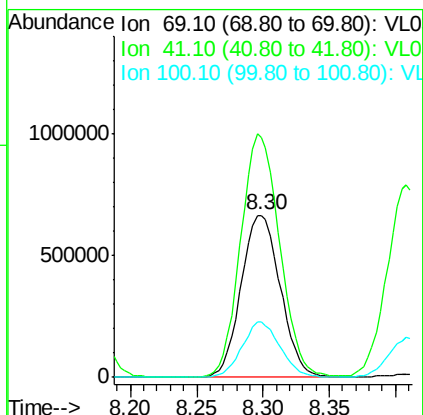
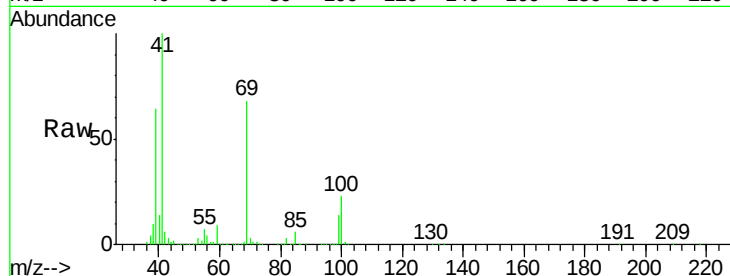




#43
Methvl Methacrvlate
Concen: 9.735 ppbv
RT: 8.30 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

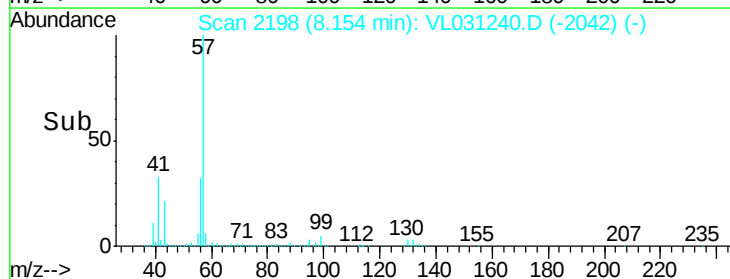
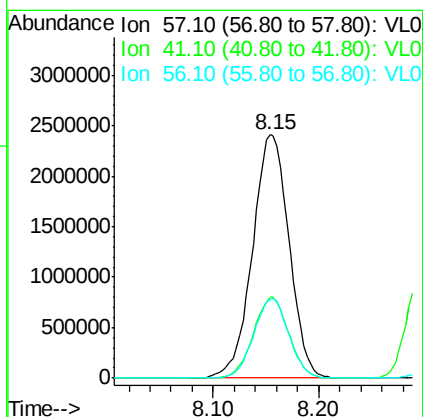
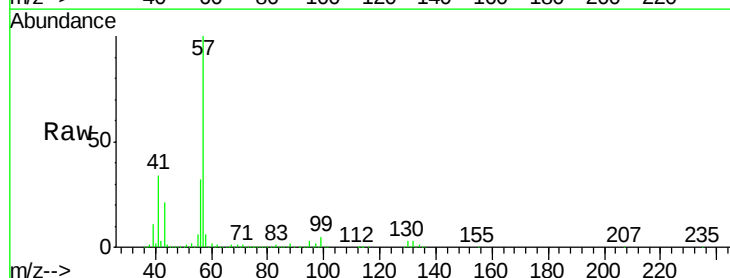
Instrument :
MSVOA_L
ClientSampleId :

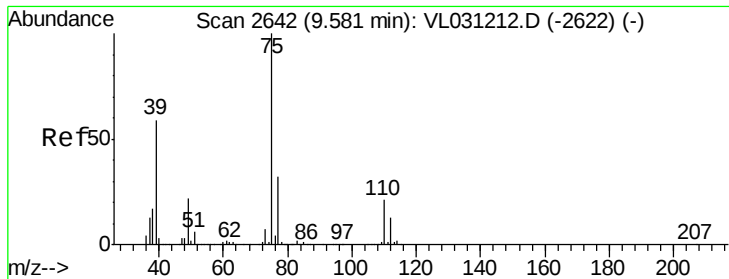
Tot Ion: 69 Resp: 1372535
Ion Ratio Lower Upper
69 100
41 148.5 121.1 181.7
100 33.0 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 9.155 ppbv
RT: 8.15 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion: 57 Resp: 5819981
Ion Ratio Lower Upper
57 100
41 32.2 25.5 38.3
56 31.3 25.0 37.6





#45

t-1,3-Dichloropropene

Concen: 9.797 ppbv

RT: 9.58 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

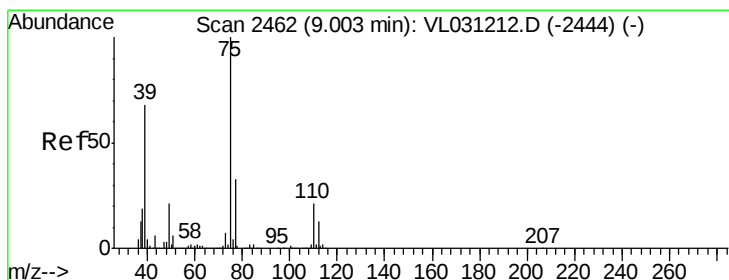
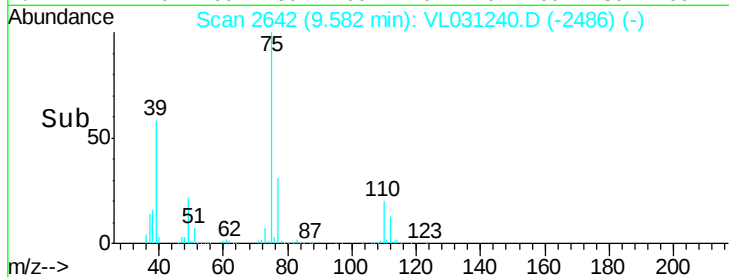
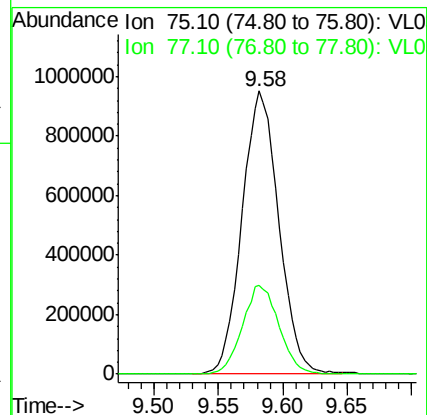
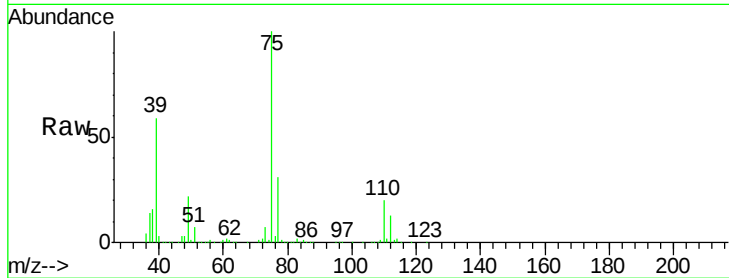
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 75 Resp: 1889230

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 9.642 ppbv

RT: 9.00 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

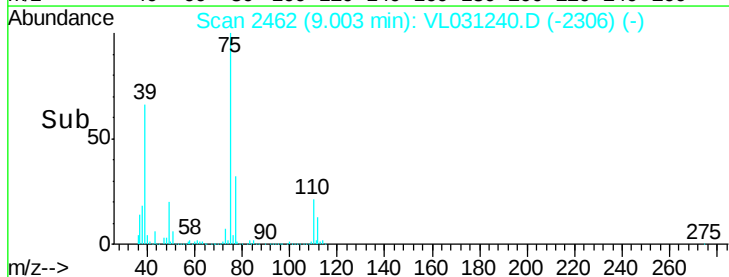
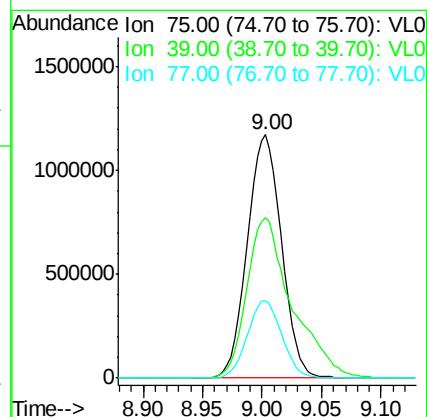
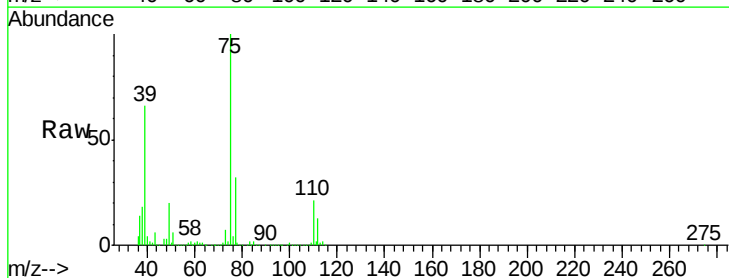
Tgt Ion: 75 Resp: 2337977

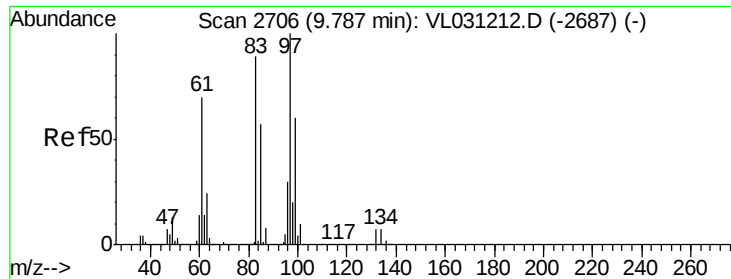
Ion Ratio Lower Upper

75 100

39 65.7 54.2 81.4

77 31.7 26.2 39.4





#47

1,1,2-Trichloroethane

Concen: 9.834 ppbv

RT: 9.78 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1518195

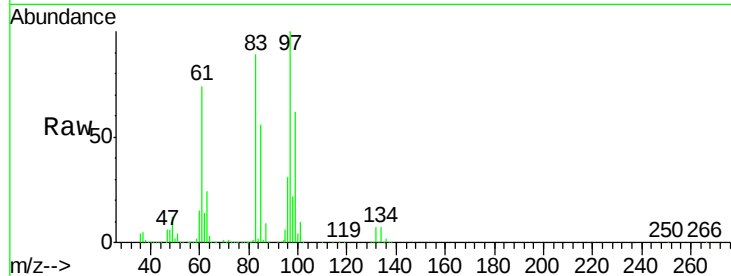
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.0	106.4
85	56.5	45.3	67.9
99	61.6	47.8	71.6

97 100

83 88.4 71.0 106.4

85 56.5 45.3 67.9

99 61.6 47.8 71.6



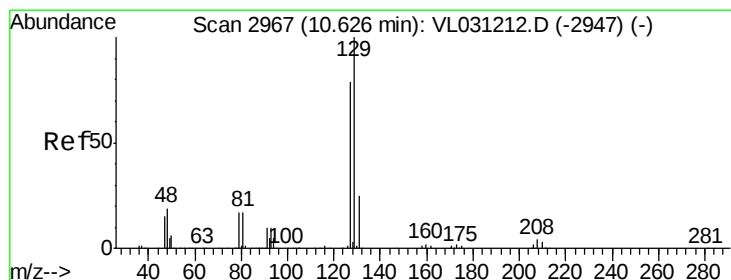
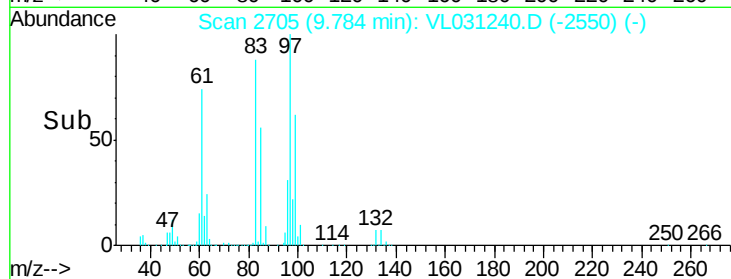
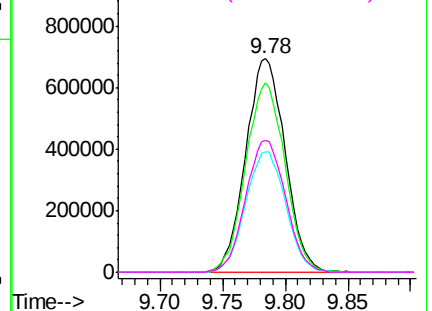
Abundance

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: 10.030 ppbv

RT: 10.62 min Scan# 2966

Delta R.T. -0.00 min

Lab File: VL031240.D

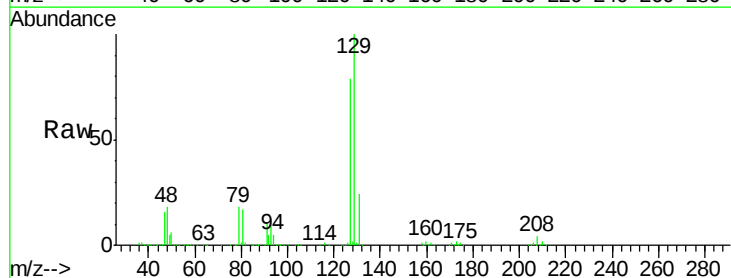
Acq: 14 Dec 2017 20:23

Tgt Ion: 129 Resp: 2418714

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.1	117.5

129 100

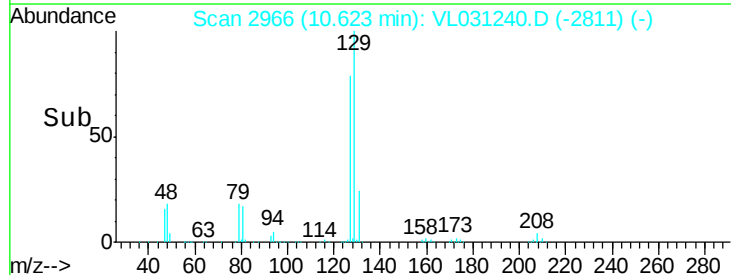
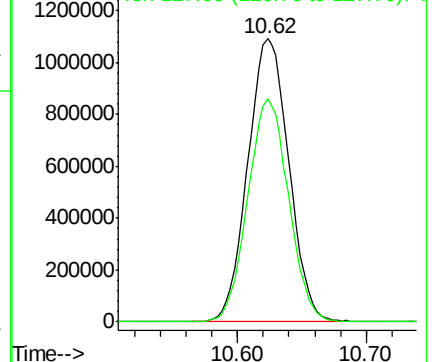
127 78.4 39.1 117.5

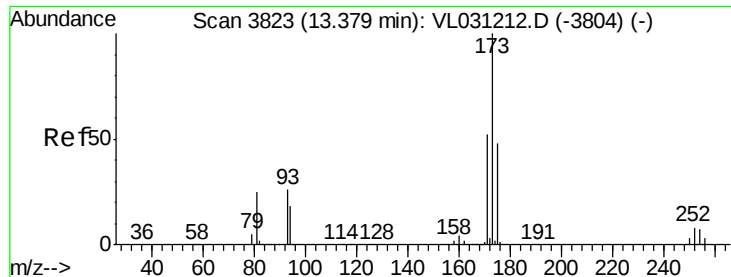


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.877 ppbv

RT: 13.38 min Scan# 3822

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

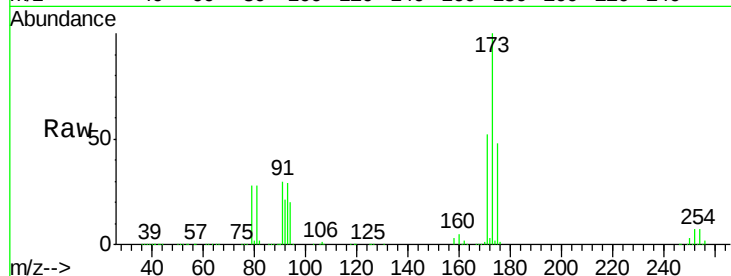
Tot Ion:173 Resp: 1579397

Ion Ratio Lower Upper

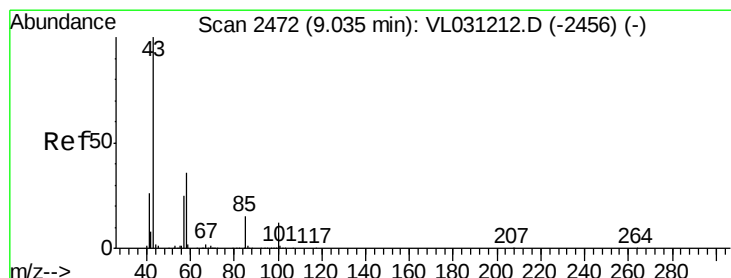
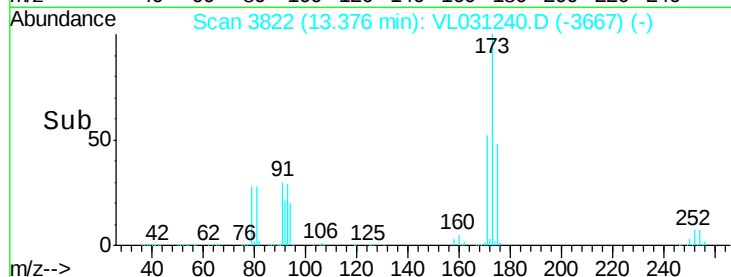
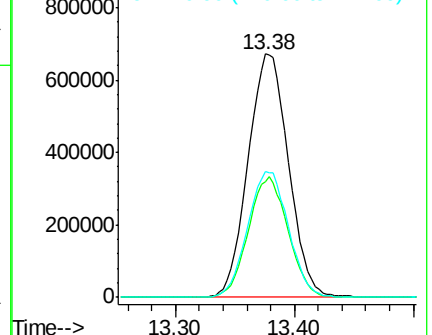
173 100

175 49.1 39.0 58.4

171 52.4 41.8 62.8



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: 9.542 ppbv

RT: 9.03 min Scan# 2472

Delta R.T. 0.00 min

Lab File: VL031240.D

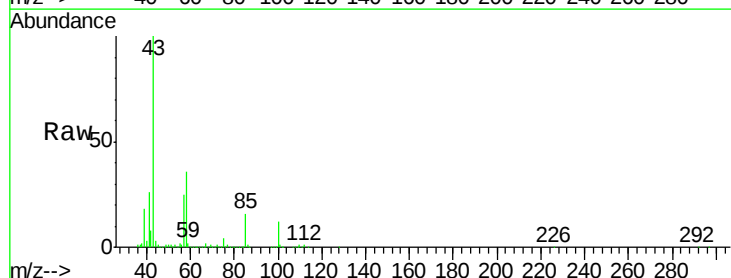
Acq: 14 Dec 2017 20:23

Tgt Ion: 43 Resp: 3275095

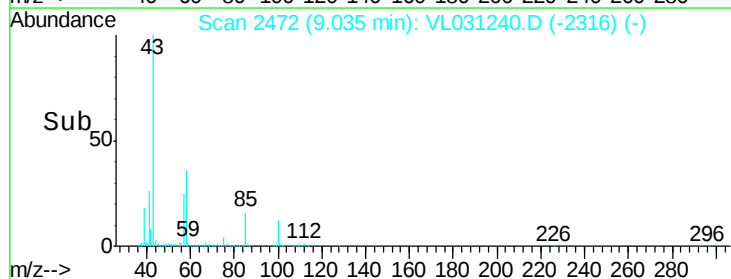
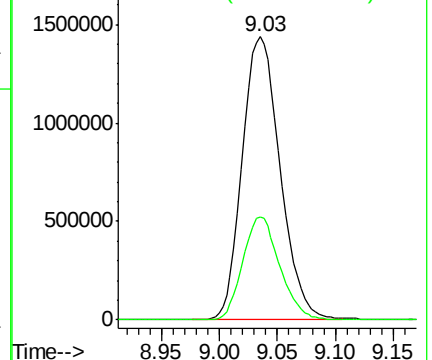
Ion Ratio Lower Upper

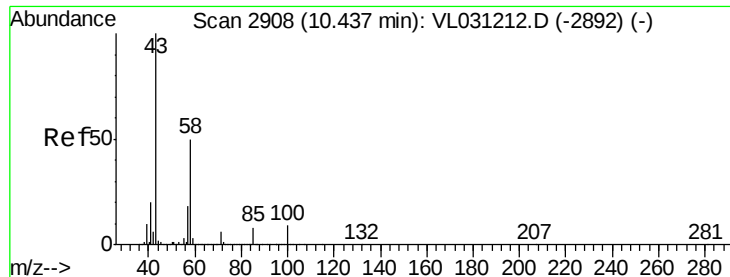
43 100

58 35.7 28.8 43.2



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





#51

2-Hexanone

Concen: 9.781 ppbv

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

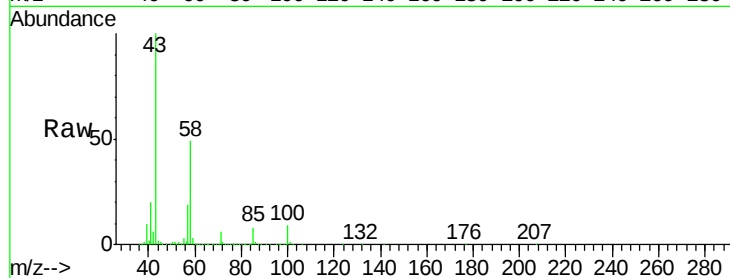
Tot Ion: 43 Resp: 3204563

Ion Ratio Lower Upper

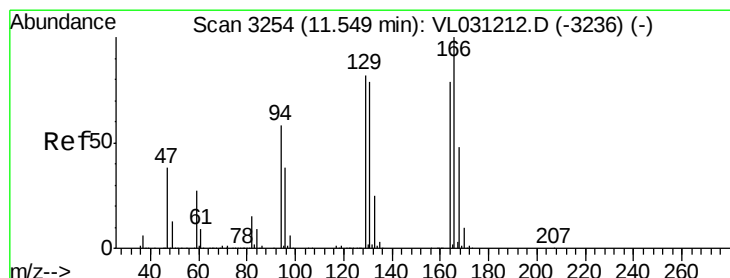
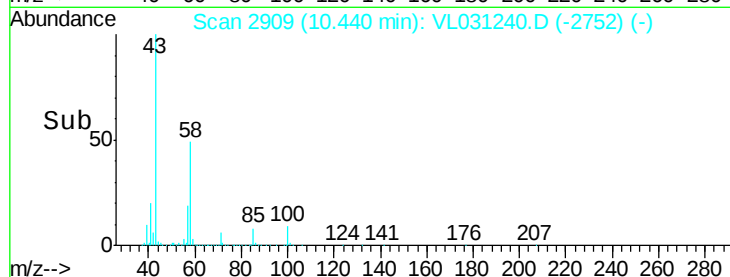
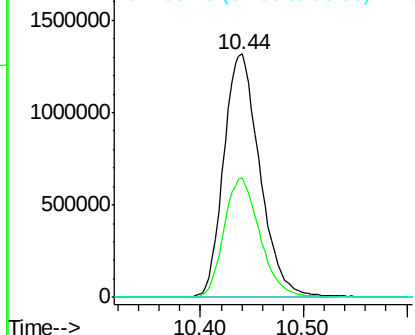
43 100

58 49.3 39.8 59.6

98 0.1 0.0 0.0#



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: 8.696 ppbv

RT: 11.55 min Scan# 3253

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Tgt Ion:164 Resp: 1350538

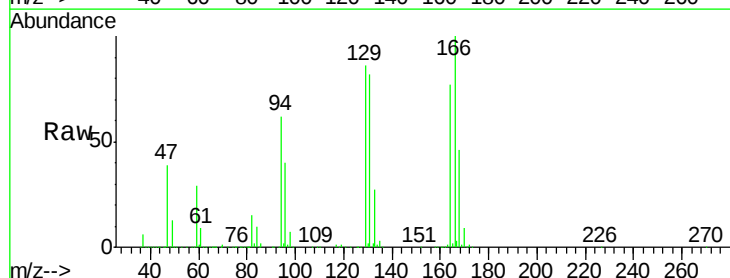
Ion Ratio Lower Upper

164 100

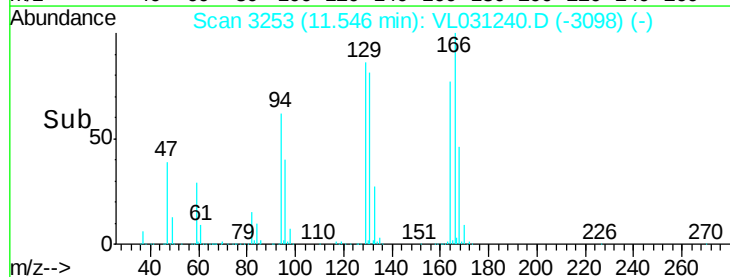
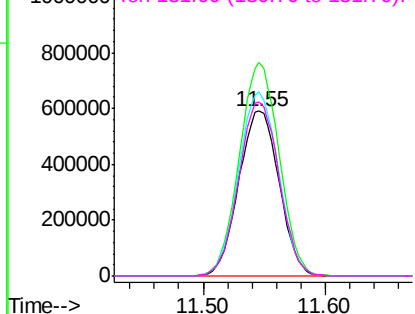
166 129.6 100.6 151.0

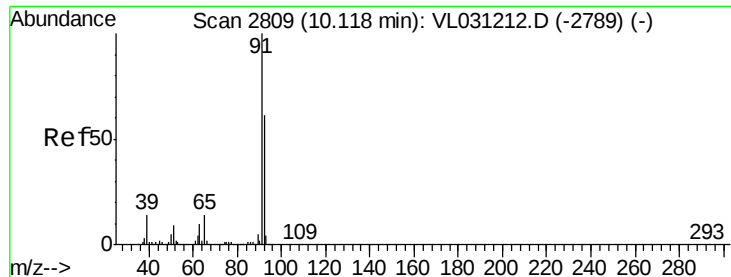
129 111.6 82.9 124.3

131 105.6 79.2 118.8



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: 9.603 ppbv

RT: 10.12 min Scan# 2809

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

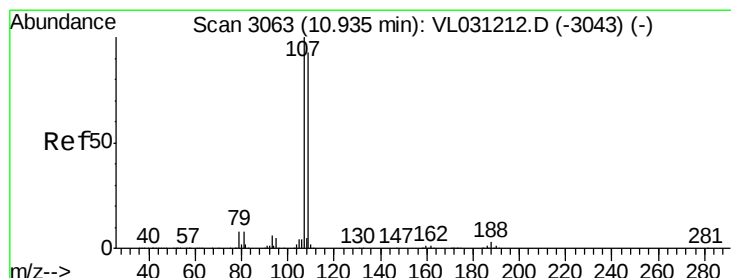
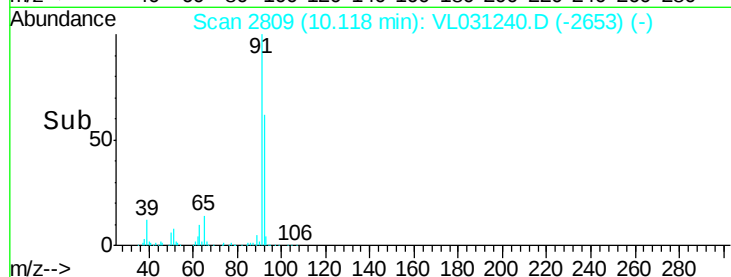
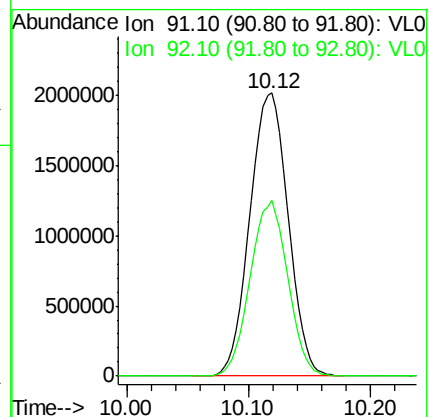
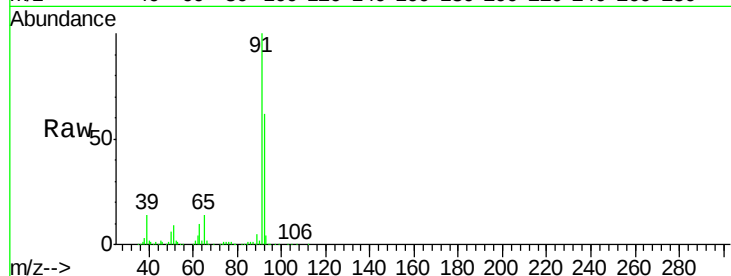
ClientSampleId :

Tot Ion: 91 Resp: 4385584

Ion Ratio Lower Upper

91 100

92 60.9 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.845 ppbv

RT: 10.93 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VL031240.D

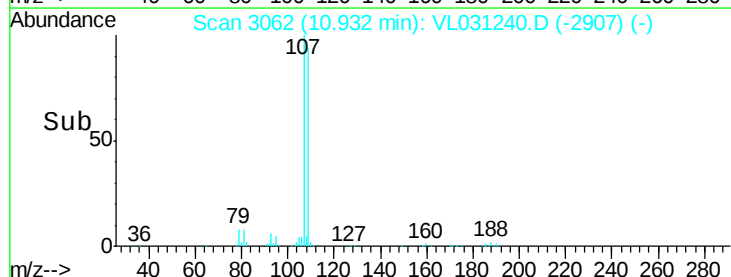
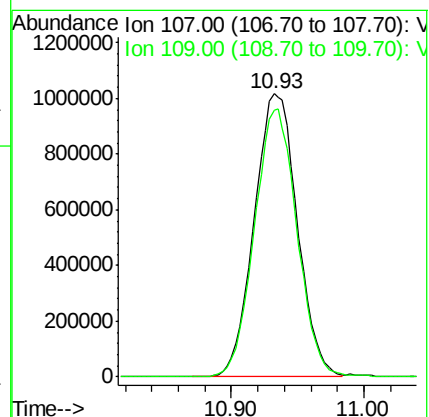
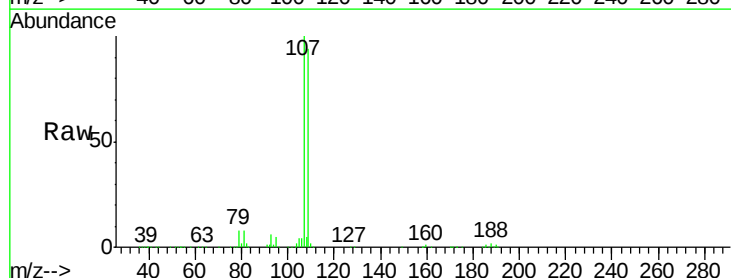
Acq: 14 Dec 2017 20:23

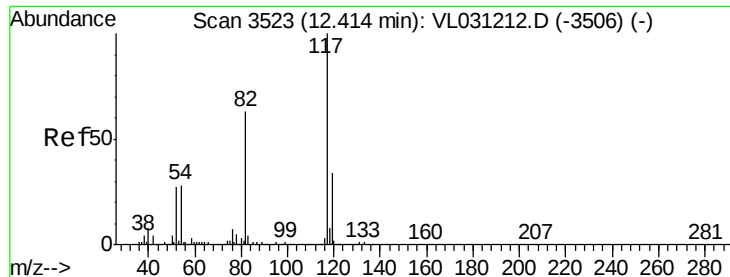
Tgt Ion: 107 Resp: 2303114

Ion Ratio Lower Upper

107 100

109 94.1 74.7 112.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

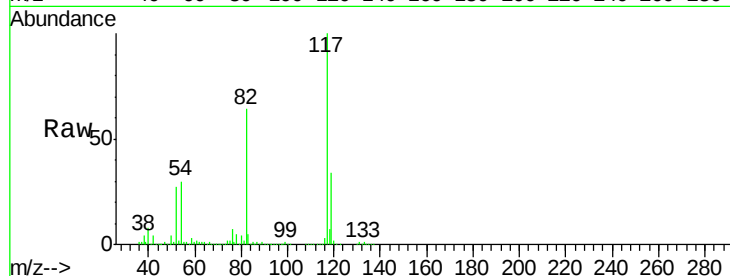
Tot Ion:117 Resp: 5087214

Ion Ratio Lower Upper

117 100

82 52.4 48.1 72.1

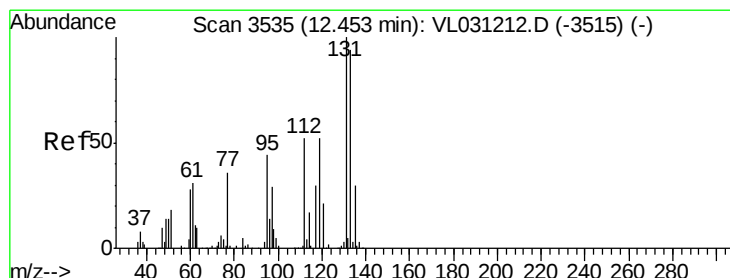
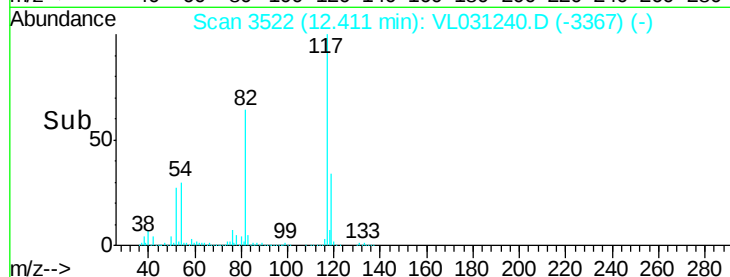
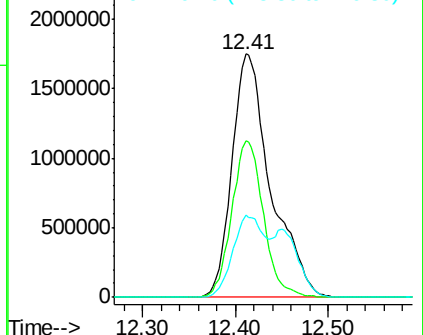
119 46.3 23.1 34.7#



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: 7.202 ppbv

RT: 12.45 min Scan# 3535

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

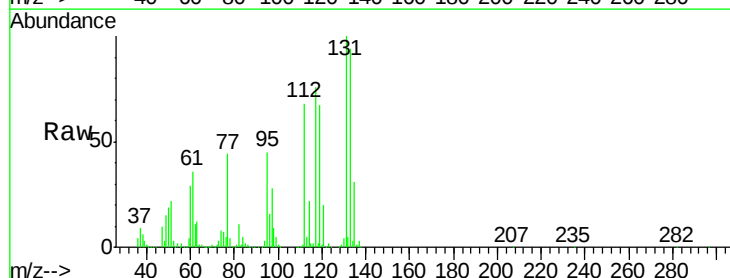
Tgt Ion:131 Resp: 1634370

Ion Ratio Lower Upper

131 100

133 94.2 76.1 114.1

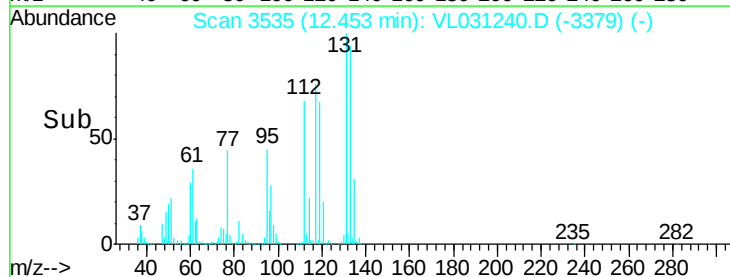
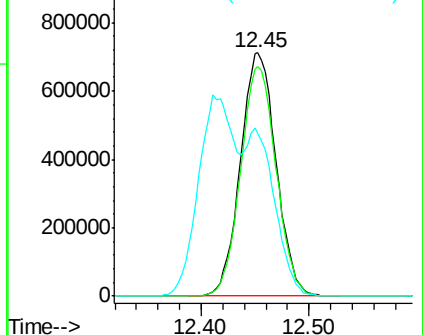
119 144.0 108.5 162.7

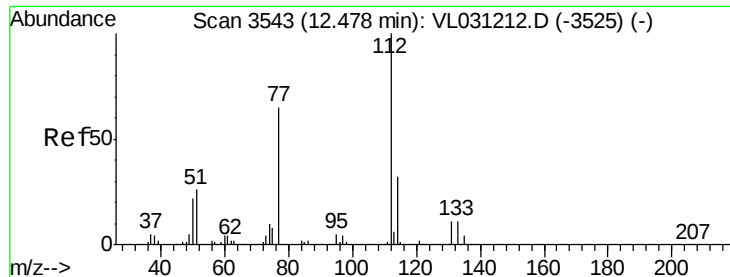


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.072 ppbv

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

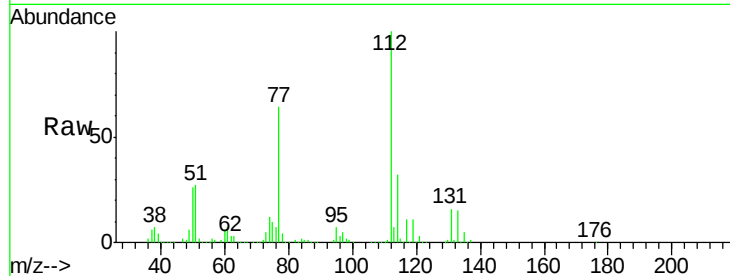
Tot Ion:112 Resp: 3353839

Ion Ratio Lower Upper

112 100

77 64.1 52.9 79.3

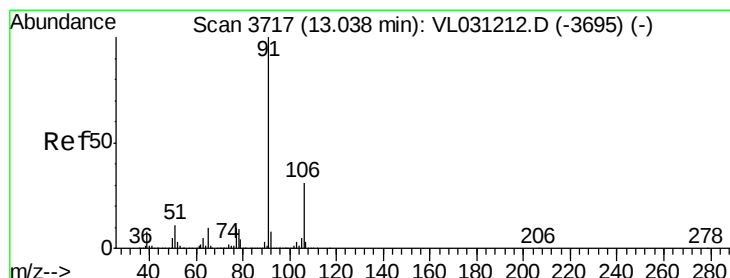
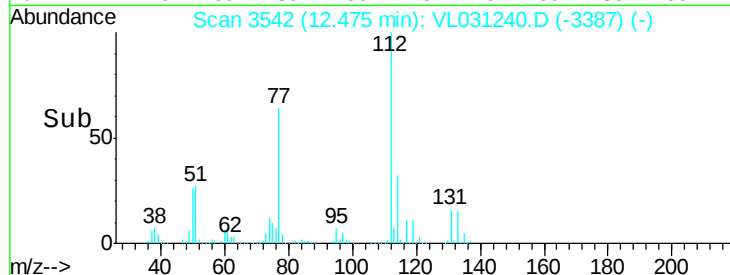
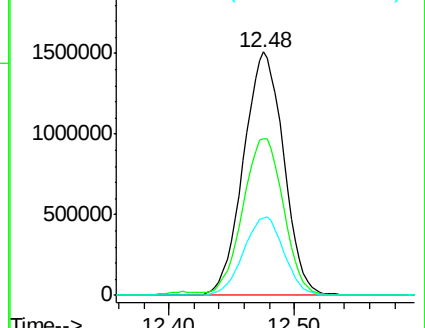
114 31.9 29.1 35.5



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: 6.622 ppbv

RT: 13.04 min Scan# 3717

Delta R.T. 0.00 min

Lab File: VL031240.D

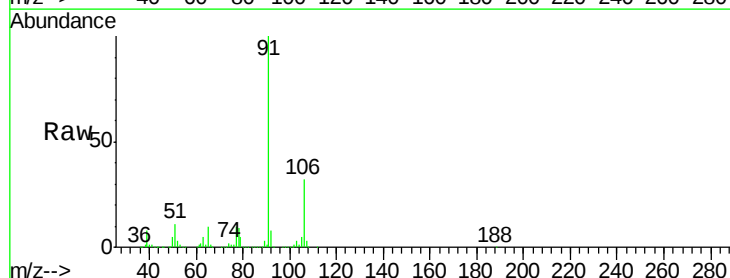
Acq: 14 Dec 2017 20:23

Tgt Ion: 91 Resp: 5561818

Ion Ratio Lower Upper

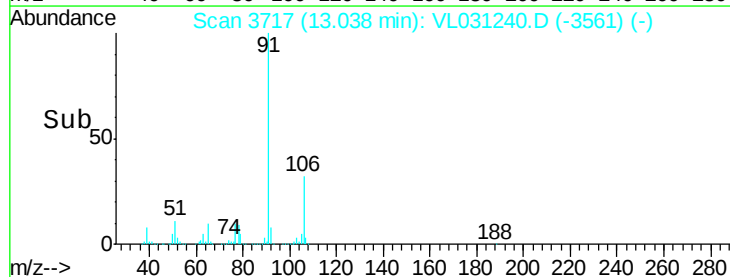
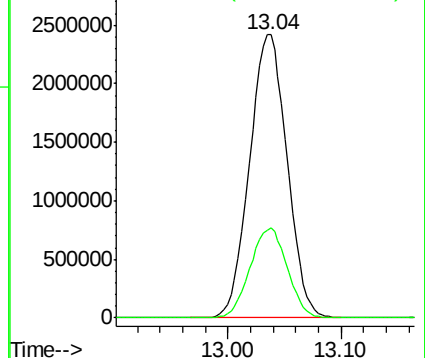
91 100

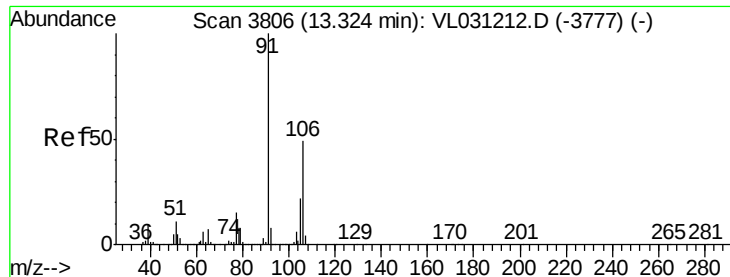
106 31.7 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 5.821 ppbv

RT: 13.32 min Scan# 3805

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

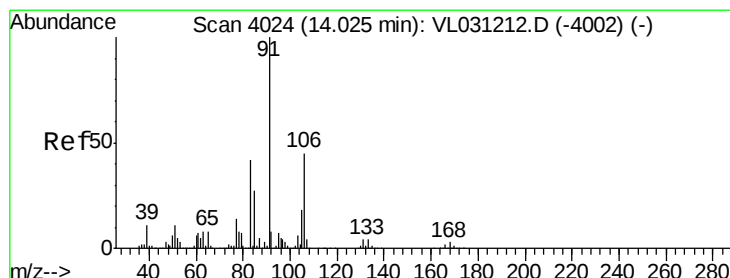
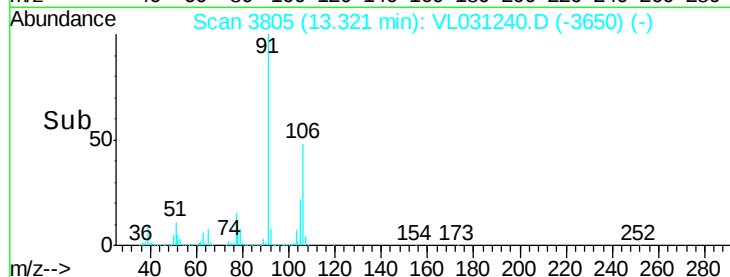
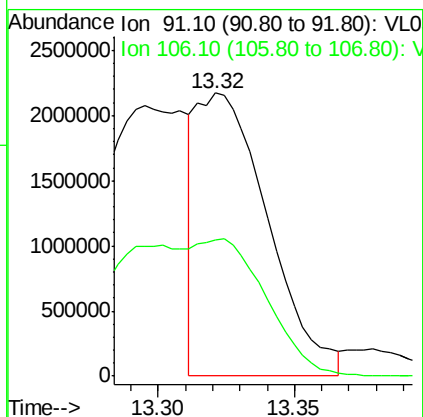
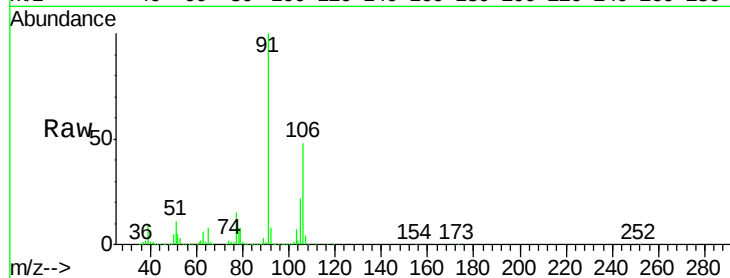
ClientSampled :

Tot Ion: 91 Resp: 3914056

Ion Ratio Lower Upper

91 100

106 106.9 38.5 57.7#



#60

o-Xylene

Concen: 6.447 ppbv

RT: 14.02 min Scan# 4023

Delta R.T. -0.00 min

Lab File: VL031240.D

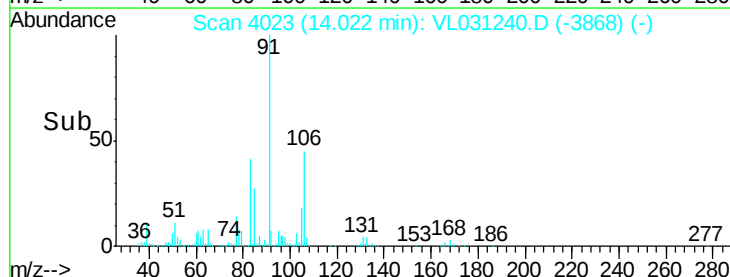
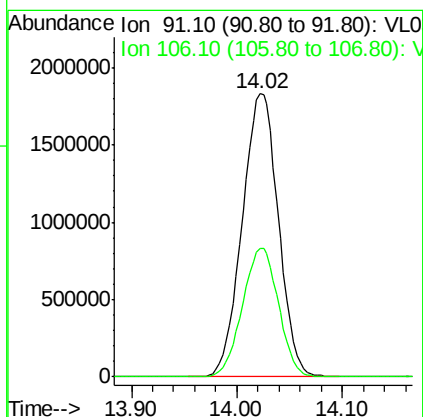
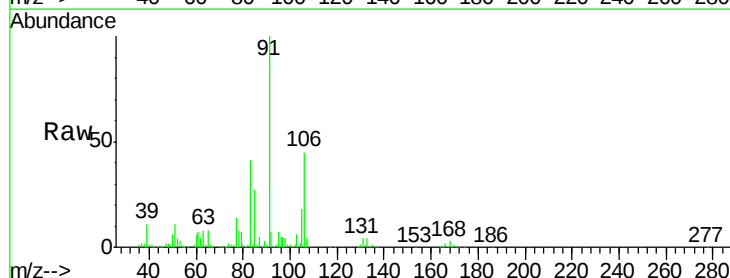
Acq: 14 Dec 2017 20:23

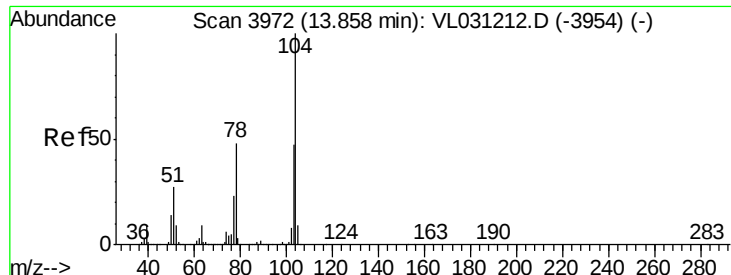
Tgt Ion: 91 Resp: 4369828

Ion Ratio Lower Upper

91 100

106 45.5 22.7 68.1





#61

Stvrene

Concen: 6.515 ppbv

RT: 13.86 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

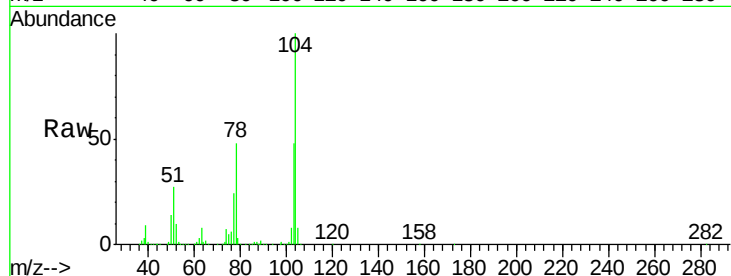
Tot Ion:104 Resp: 1266793

Ion Ratio Lower Upper

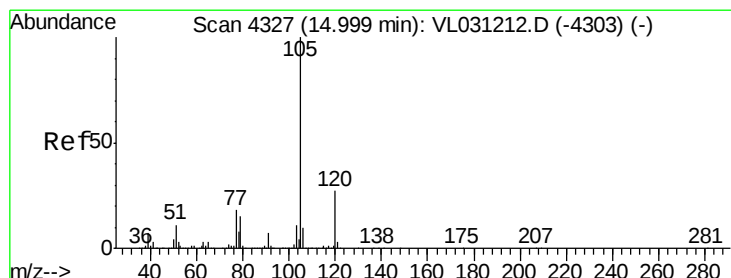
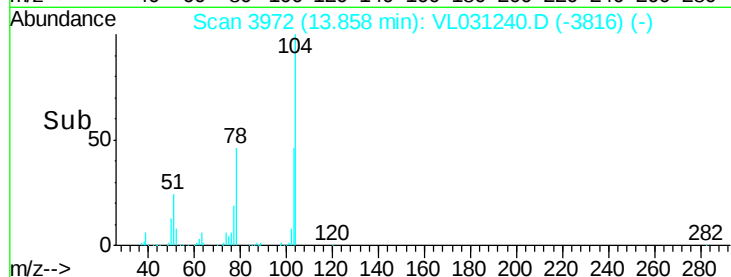
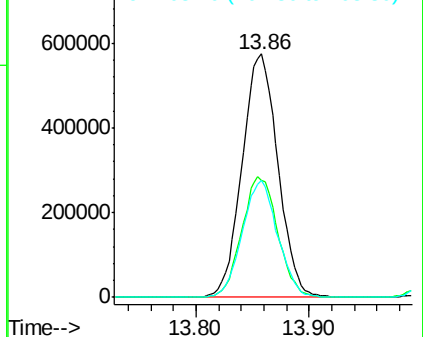
104 100

78 49.9 39.1 58.7

103 47.5 37.3 55.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): V
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.421 ppbv

RT: 15.00 min Scan# 4327

Delta R.T. 0.00 min

Lab File: VL031240.D

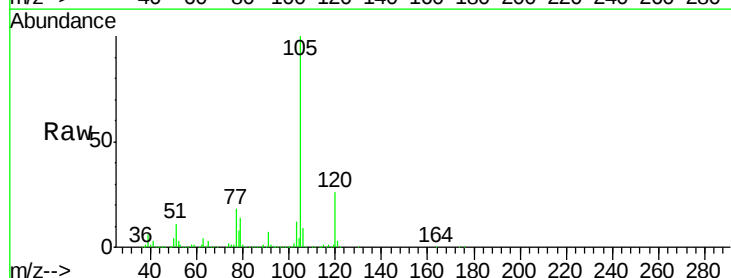
Acq: 14 Dec 2017 20:23

Tgt Ion:105 Resp: 5706557

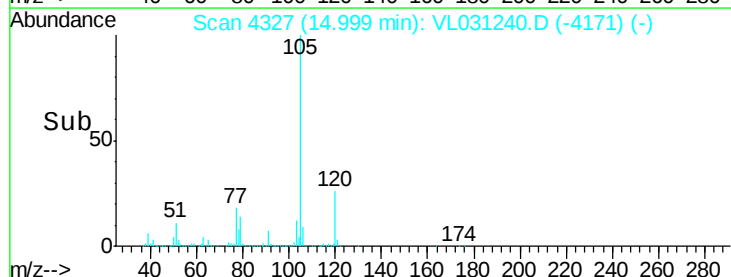
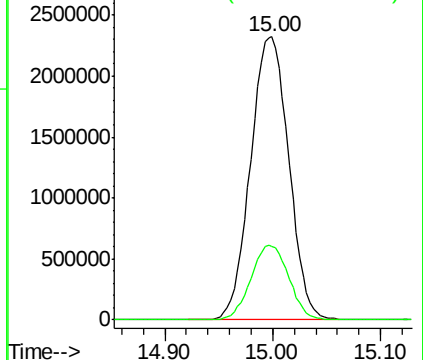
Ion Ratio Lower Upper

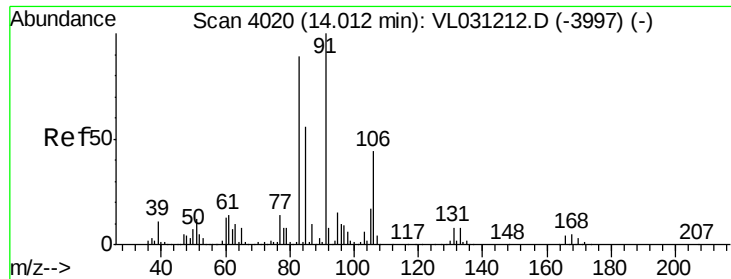
105 100

120 26.2 21.0 31.6



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V

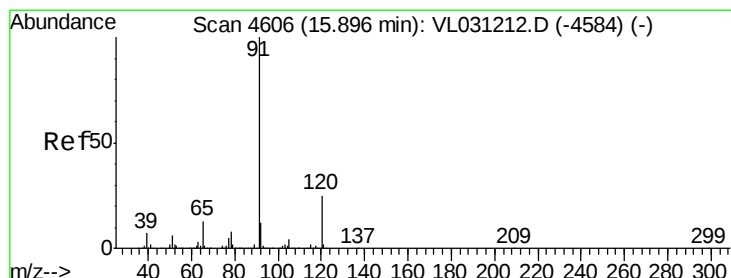
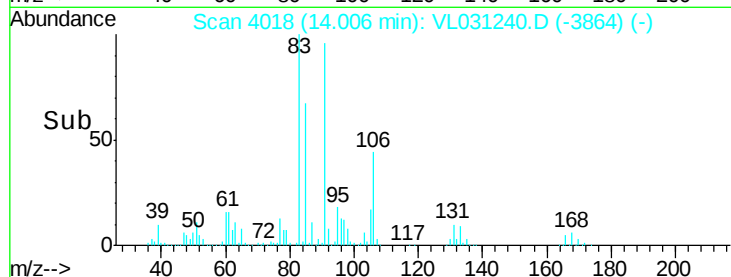
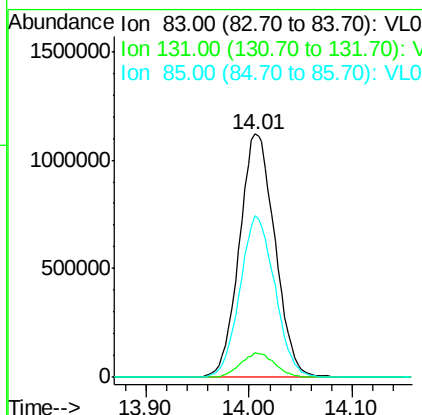
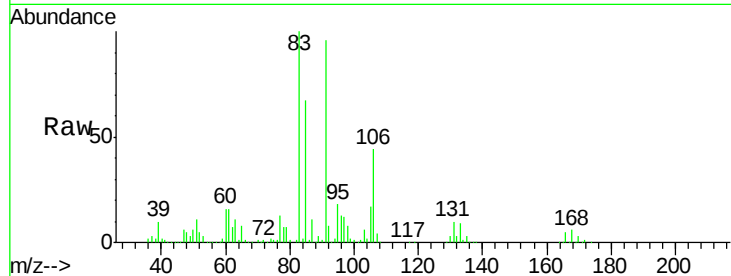




#63
 1,1,2,2-Tetrachloroethane
 Concen: 5.908 ppbv
 RT: 14.01 min Scan# 4018
 Delta R.T. -0.01 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

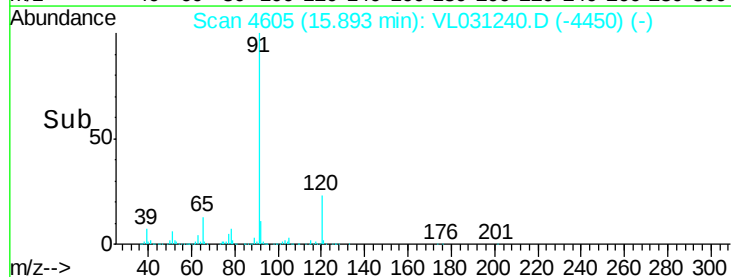
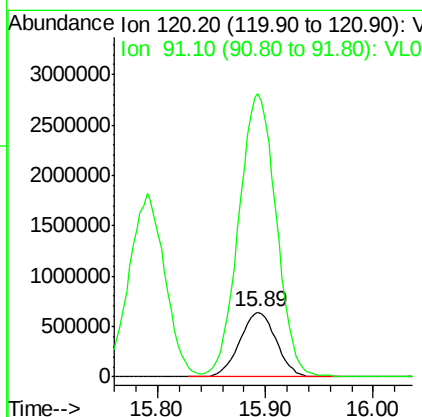
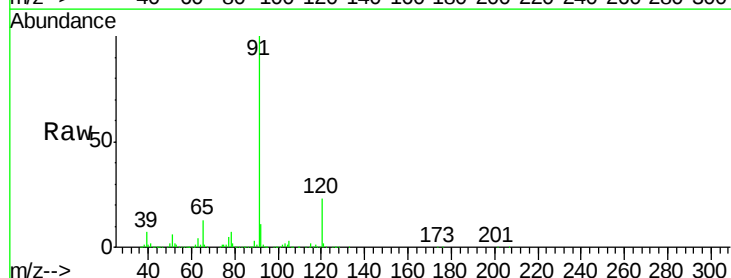
Instrument :
 MSVOA_L
 ClientSampleId :

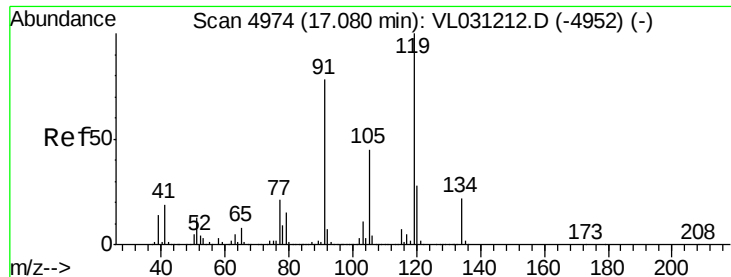
Tot Ion: 83 Resp: 2683925
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 65.5 32.1 96.5



#64
 n-propylbenzene
 Concen: 6.405 ppbv
 RT: 15.89 min Scan# 4605
 Delta R.T. -0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion:120 Resp: 1510825
 Ion Ratio Lower Upper
 120 100
 91 449.1 352.1 528.1

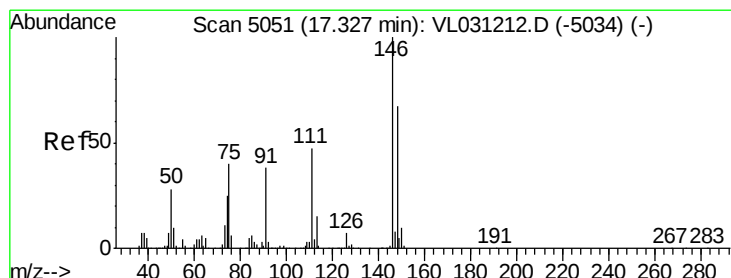
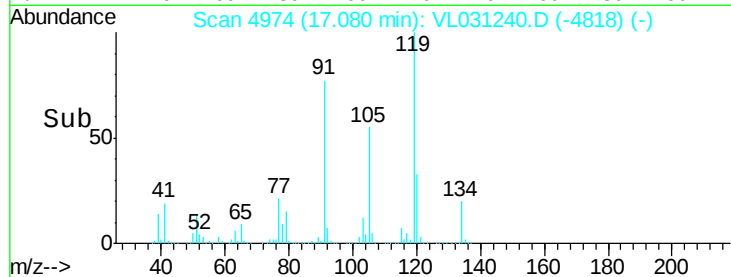
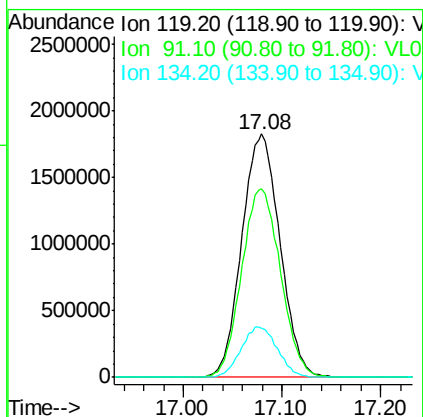
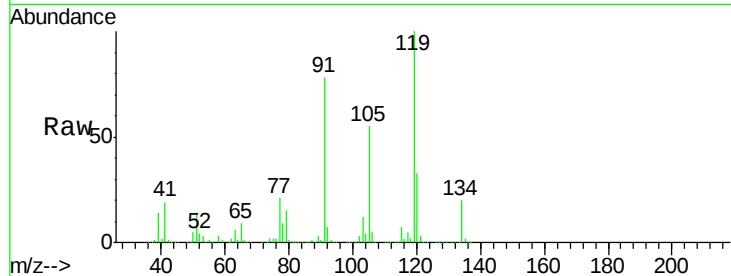




#65
tert-Butylbenzene
Concen: 6.203 ppbv
RT: 17.08 min Scan# 4974
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

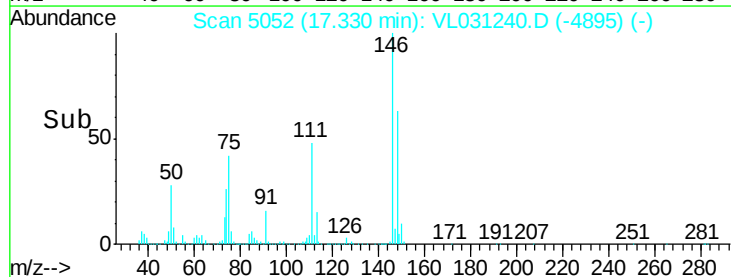
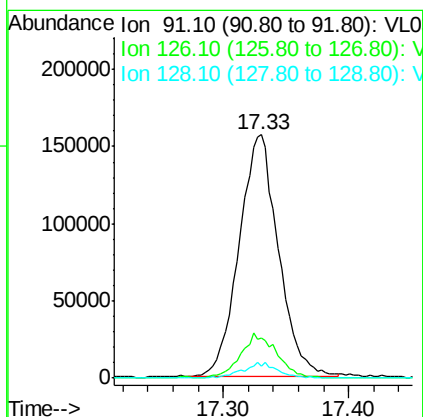
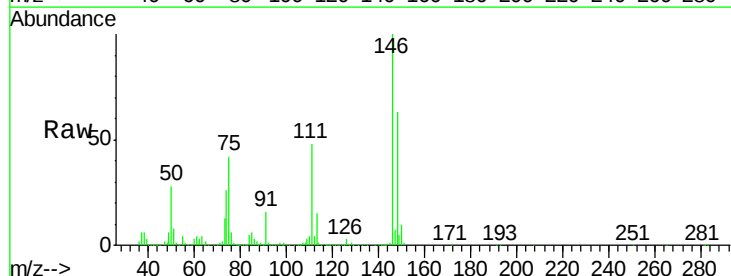
Instrument :
MSVOA_L
ClientSampled :

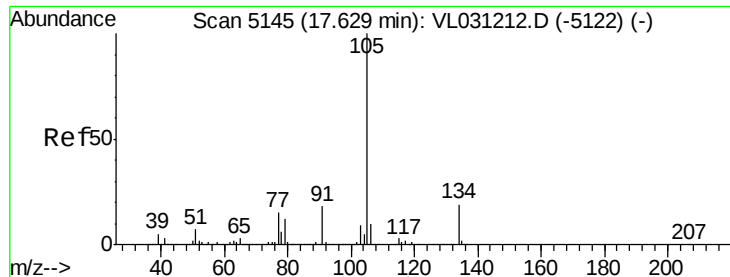
Tot Ion:119 Resp: 4883471
Ion Ratio Lower Upper
119 100
91 79.1 63.3 94.9
134 19.9 16.1 24.1



#66
Benzyl Chloride
Concen: 4.034 ppbv
RT: 17.33 min Scan# 5052
Delta R.T. 0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion: 91 Resp: 342207
Ion Ratio Lower Upper
91 100
126 17.4 15.2 22.8
128 5.8 4.9 7.3

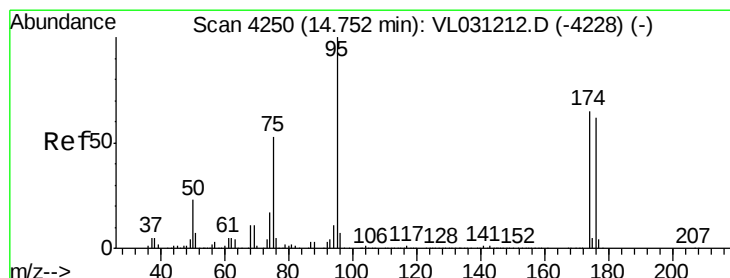
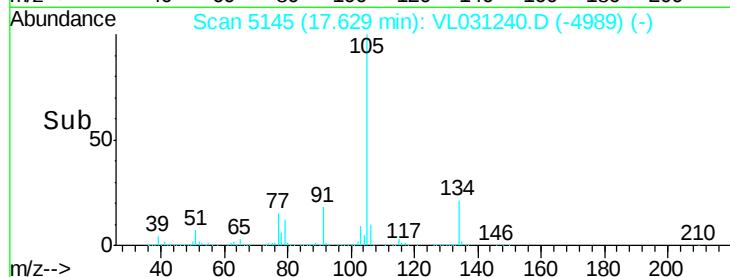
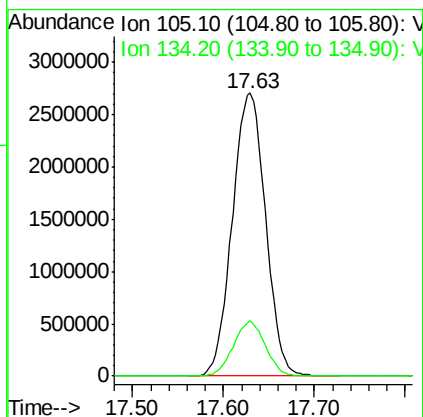
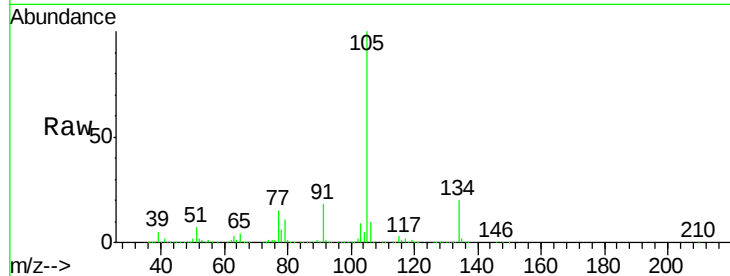




#67
 sec-Butylbenzene
 Concen: 6.333 ppbv
 RT: 17.63 min Scan# 5145
 Delta R.T. 0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

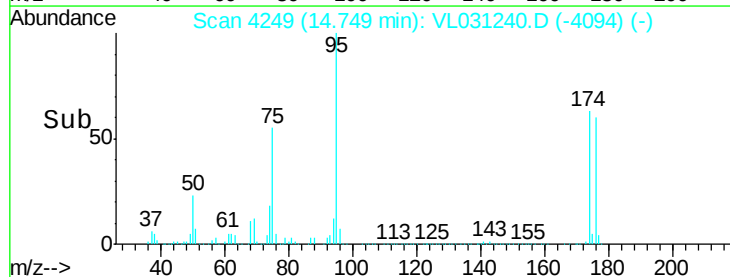
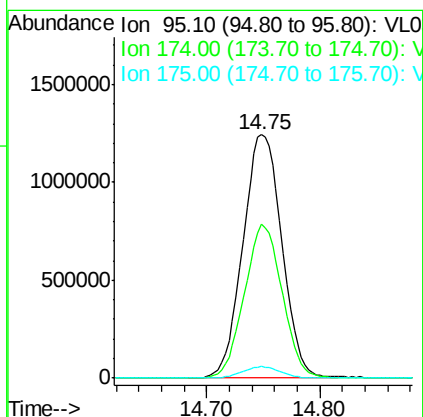
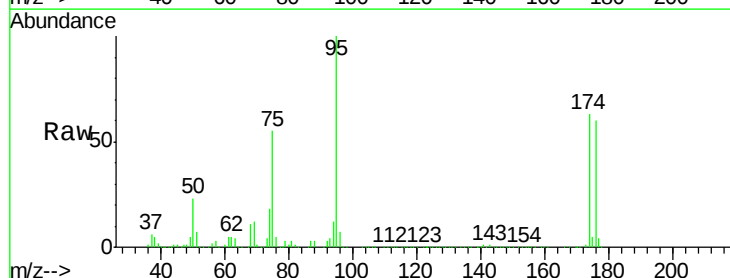
Instrument :
 MSVOA_L
 ClientSampleId :

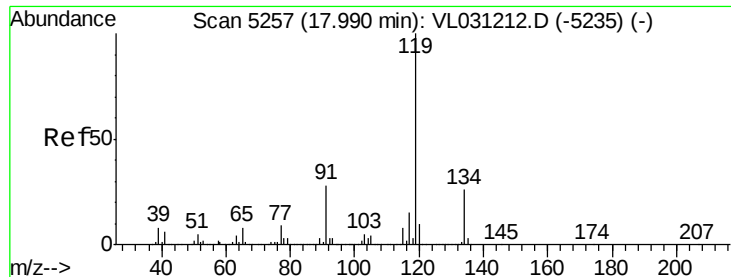
Tot Ion:105 Resp: 6855571
 Ion Ratio Lower Upper
 105 100
 134 18.7 15.3 22.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.243 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion: 95 Resp: 2982662
 Ion Ratio Lower Upper
 95 100
 174 61.7 52.5 78.7
 175 4.6 4.1 6.1

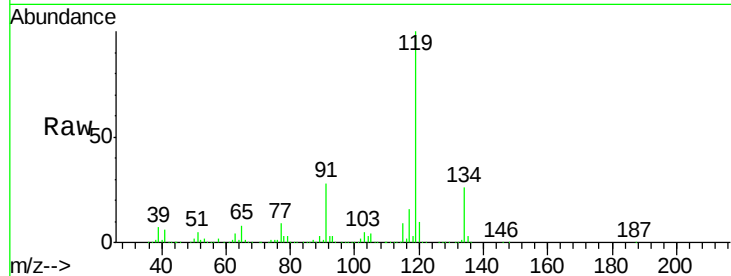




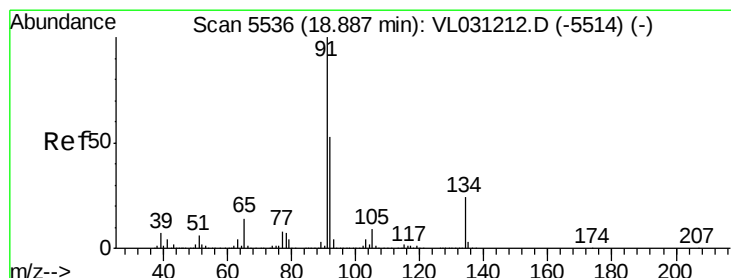
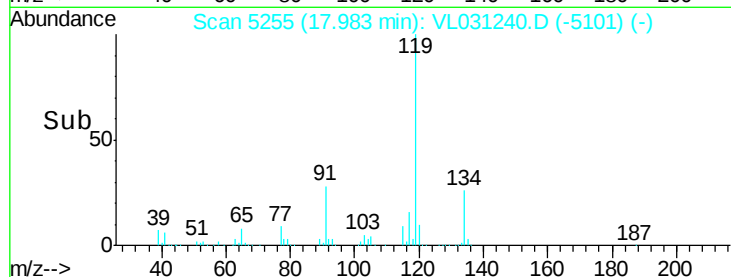
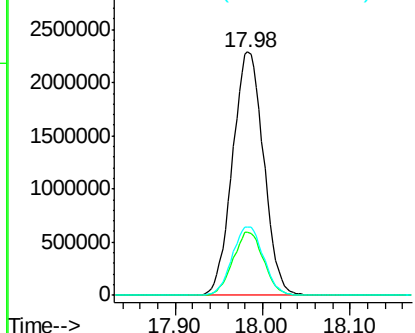
#69
 p-Isopropyltoluene
 Concen: 6.243 ppbv
 RT: 17.98 min Scan# 5255
 Delta R.T. -0.01 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 5636282
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.7 31.1
 91 28.3 22.3 33.5

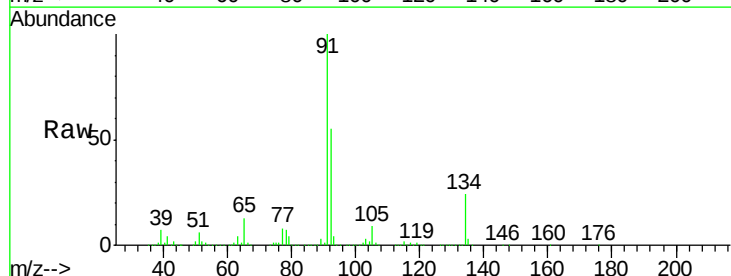


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

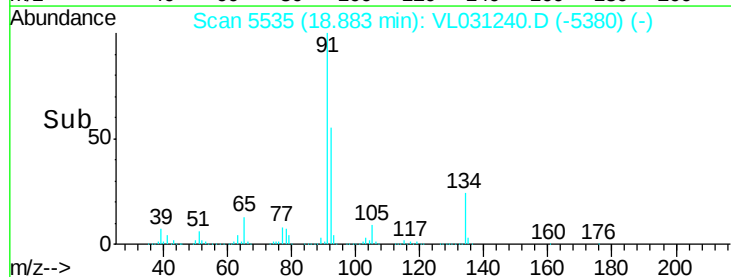
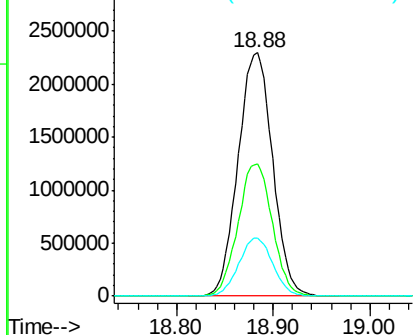


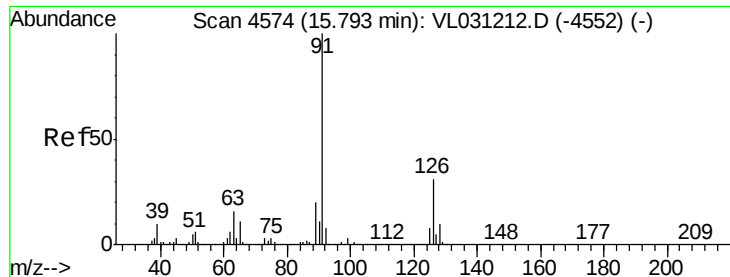
#70
 n-Butylbenzene
 Concen: 6.552 ppbv
 RT: 18.88 min Scan# 5535
 Delta R.T. -0.00 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Tgt Ion: 91 Resp: 5703492
 Ion Ratio Lower Upper
 91 100
 92 54.0 43.4 65.2
 134 23.5 19.3 28.9



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

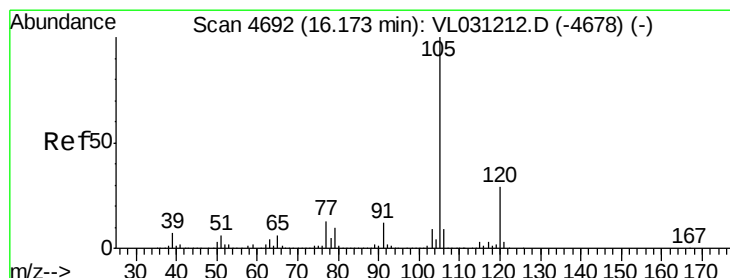
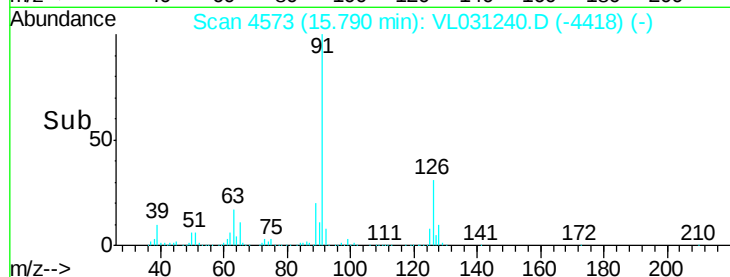
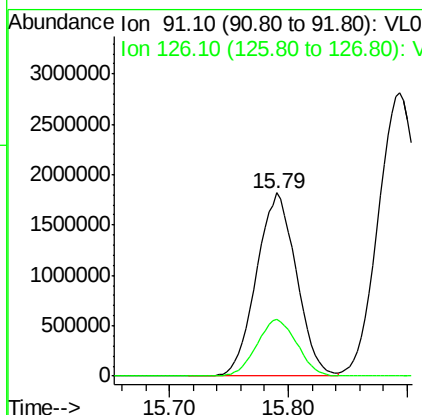
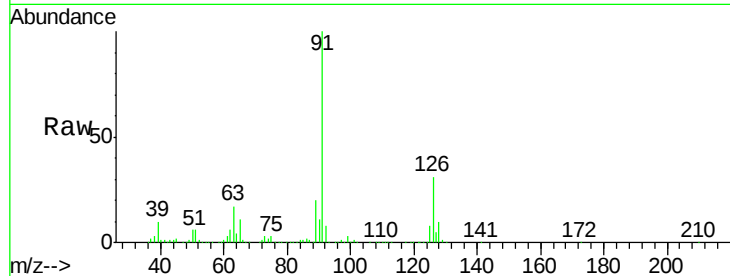




#71
2-Chlorotoluene
Concen: 6.398 ppbv
RT: 15.79 min Scan# 4573
Delta R.T. -0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

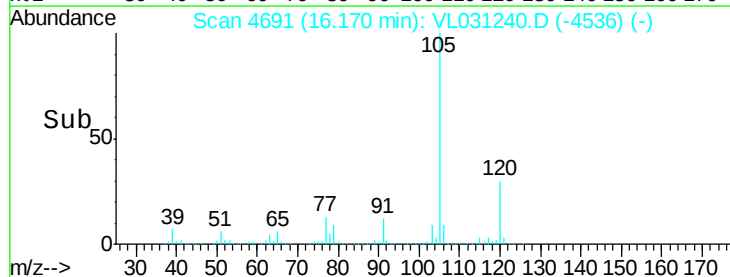
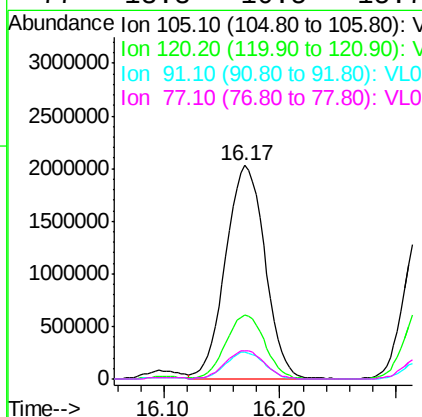
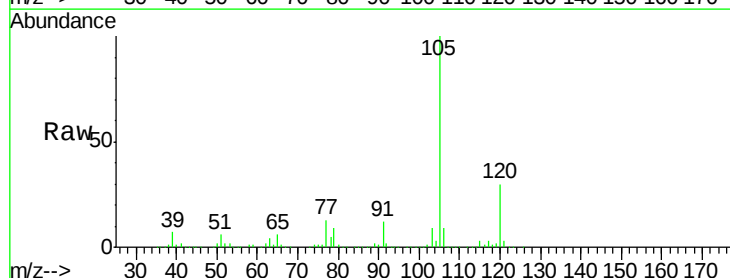
Instrument :
MSVOA_L
ClientSampleId :

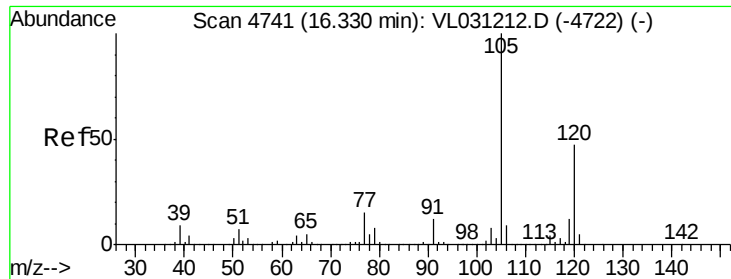
Tot Ion: 91 Resp: 4220160
Ion Ratio Lower Upper
91 100
126 31.4 12.6 50.6



#72
4-Ethyltoluene
Concen: 6.441 ppbv
RT: 16.17 min Scan# 4691
Delta R.T. -0.00 min
Lab File: VL031240.D
Acq: 14 Dec 2017 20:23

Tgt Ion:105 Resp: 4781271
Ion Ratio Lower Upper
105 100
120 29.8 24.2 36.2
91 12.3 9.8 14.8
77 13.3 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 6.338 ppbv

RT: 16.33 min Scan# 4740

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

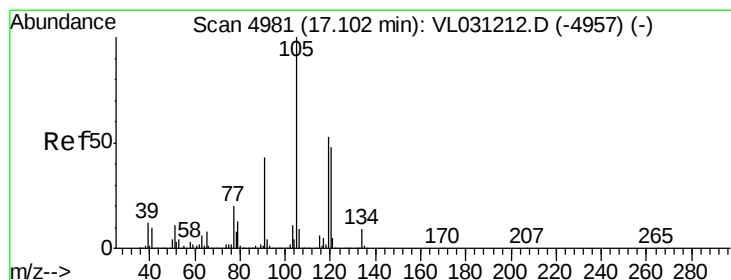
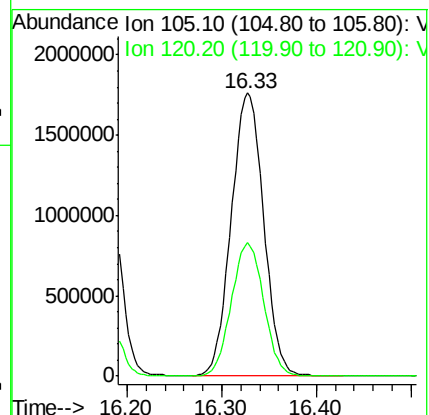
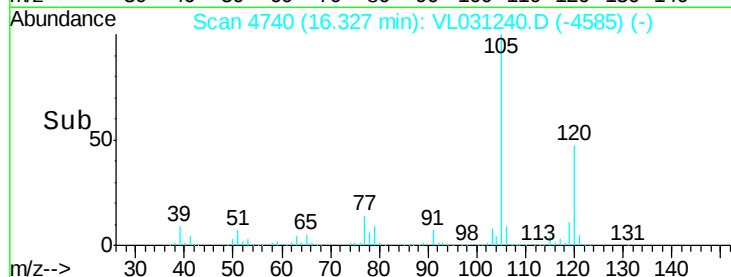
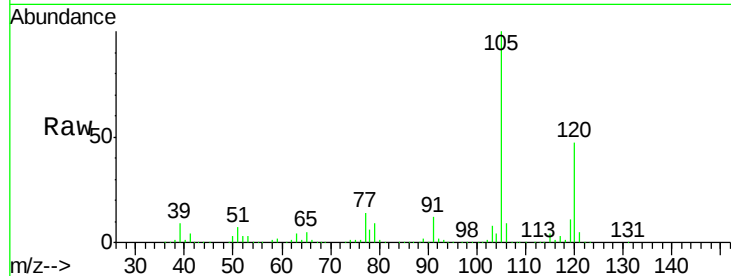
ClientSampleId :

Tot Ion:105 Resp: 4188145

Ion Ratio Lower Upper

105 100

120 47.1 37.8 56.6



#74

1,2,4-Trimethylbenzene

Concen: 6.208 ppbv

RT: 17.10 min Scan# 4979

Delta R.T. -0.01 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Tgt Ion:105 Resp: 4315653

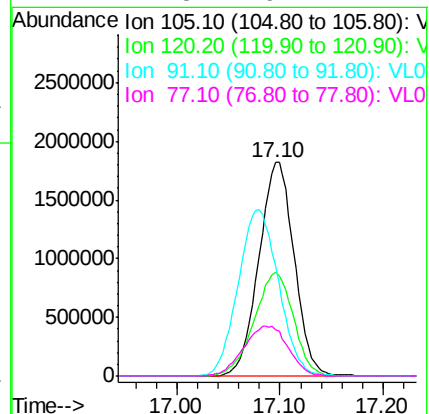
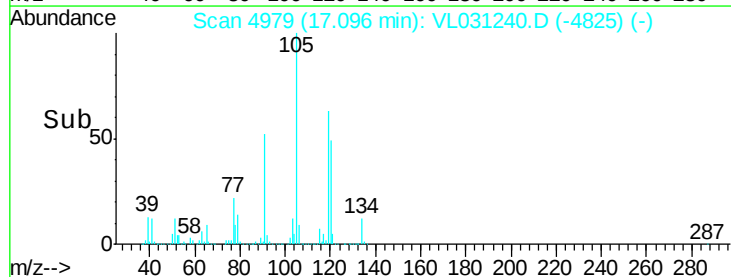
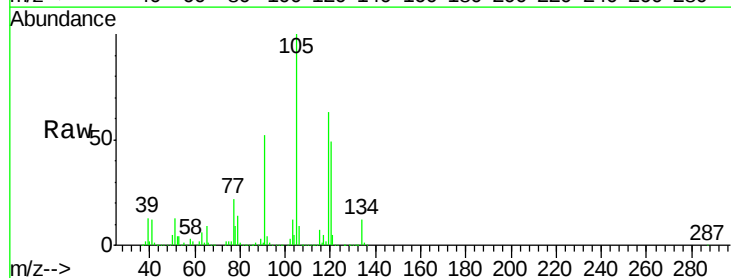
Ion Ratio Lower Upper

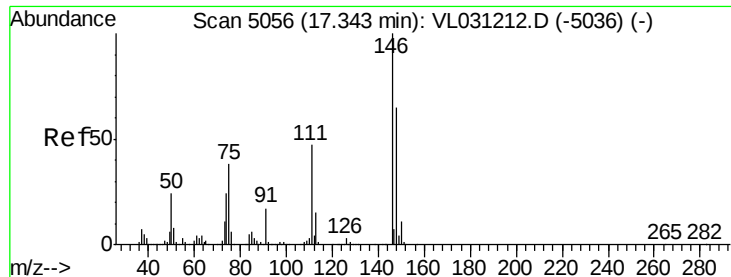
105 100

120 48.7 38.6 58.0

91 51.7 34.2 51.4#

77 21.8 16.1 24.1





#75

1,3-Dichlorobenzene

Concen: 6.164 ppbv

RT: 17.34 min Scan# 5055

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampled :

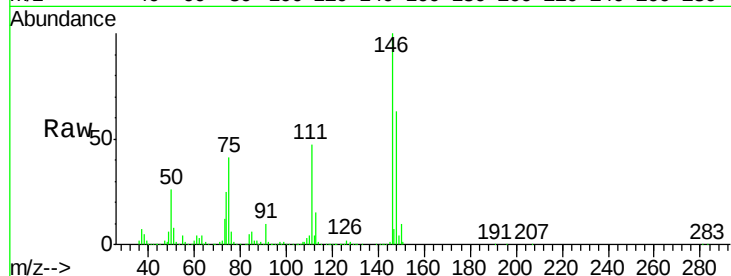
Tot Ion:146 Resp: 2716409

Ion Ratio Lower Upper

146 100

111 46.9 22.7 68.1

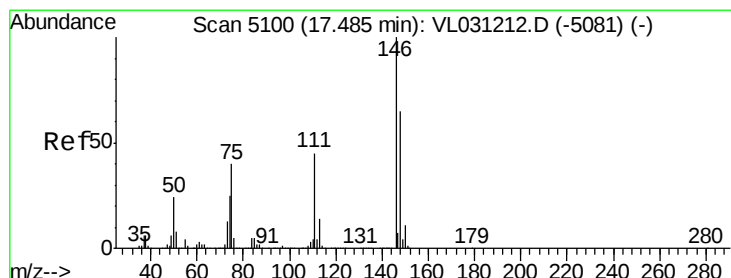
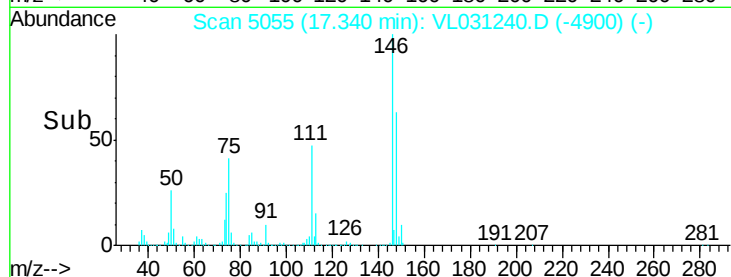
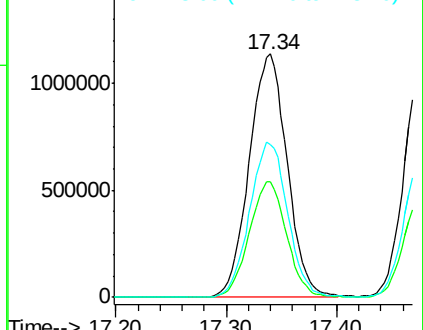
148 64.1 32.0 96.2



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: 6.194 ppbv

RT: 17.48 min Scan# 5099

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

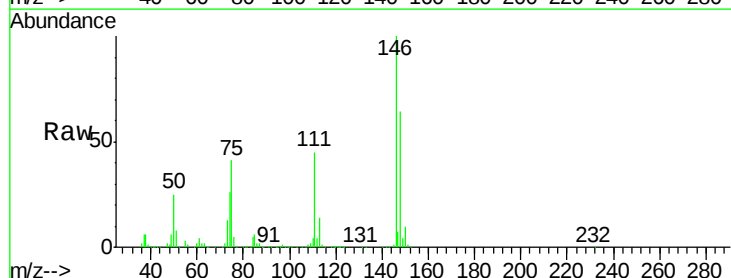
Tgt Ion:146 Resp: 2759180

Ion Ratio Lower Upper

146 100

111 45.5 22.1 66.1

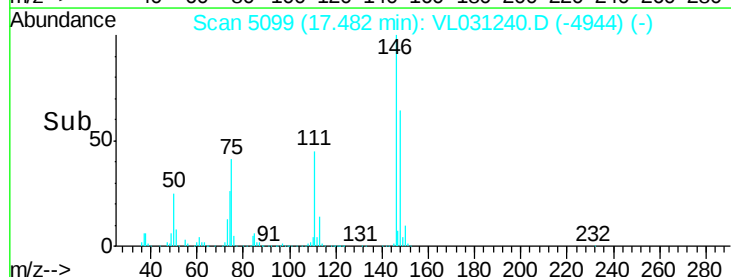
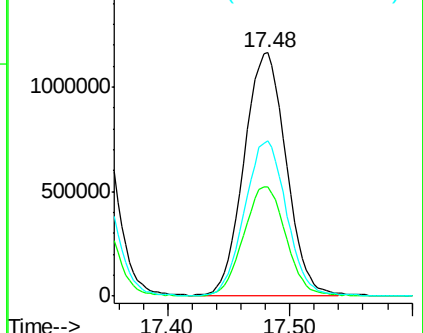
148 64.0 32.0 96.0

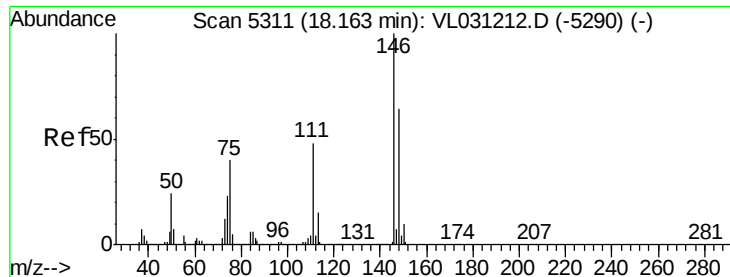


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.219 ppbv

RT: 18.16 min Scan# 5311

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampled :

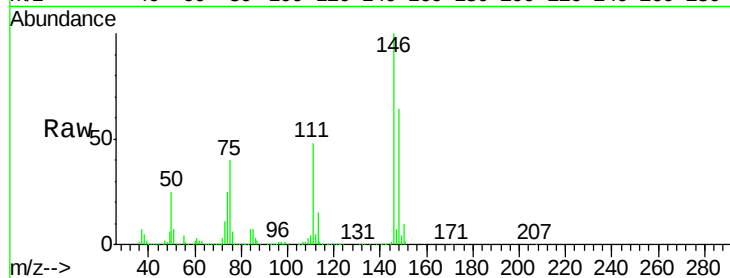
Tot Ion:146 Resp: 2677893

Ion Ratio Lower Upper

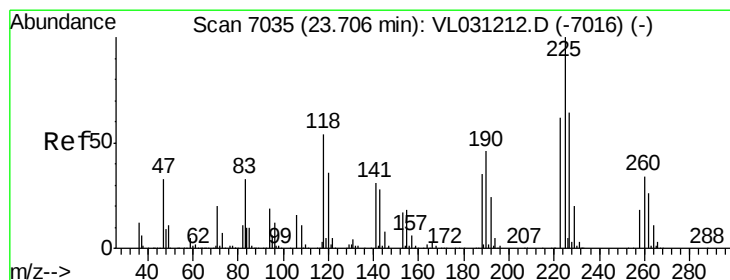
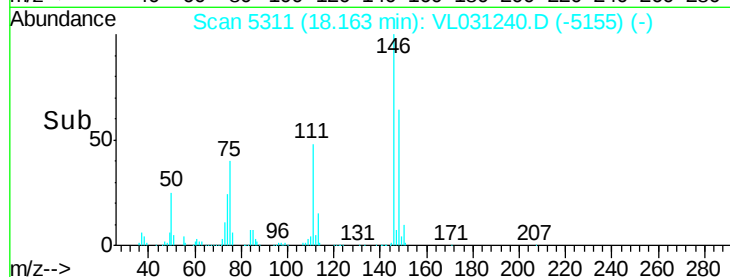
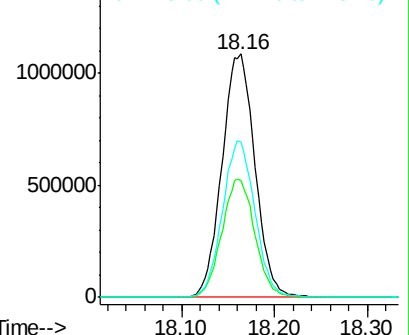
146 100

111 48.7 23.3 69.8

148 63.4 31.9 95.7



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 13.872 ppbv

RT: 23.70 min Scan# 7033

Delta R.T. -0.01 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

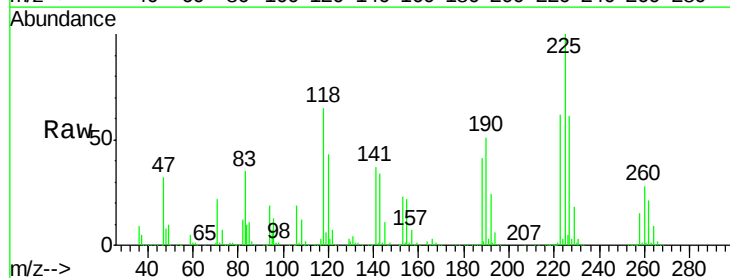
Tgt Ion:225 Resp: 1372411

Ion Ratio Lower Upper

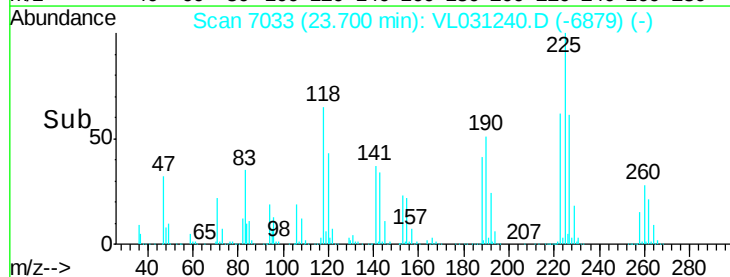
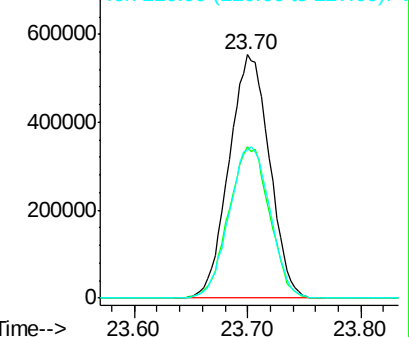
225 100

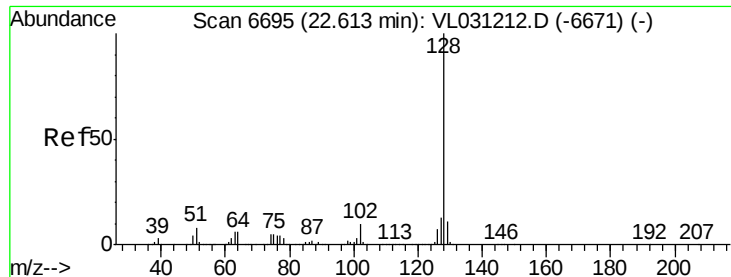
223 62.9 50.4 75.6

227 63.1 51.3 76.9



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.555 ppbv

RT: 22.61 min Scan# 6694

Delta R.T. -0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

Instrument :

MSVOA_L

ClientSampleId :

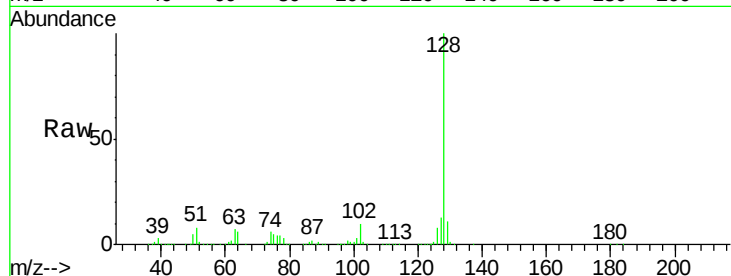
Tot Ion:128 Resp: 4249851

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

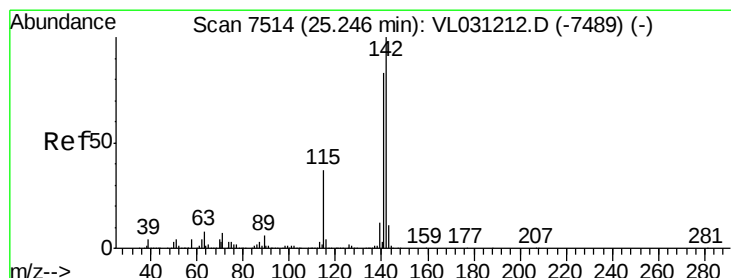
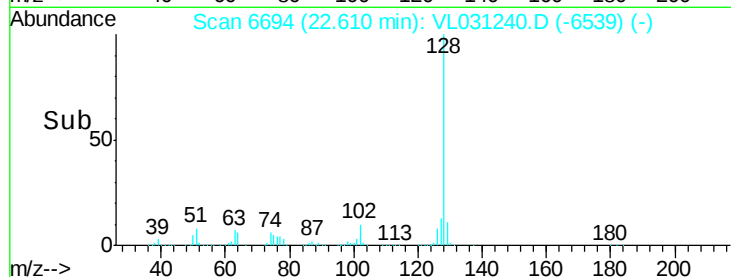
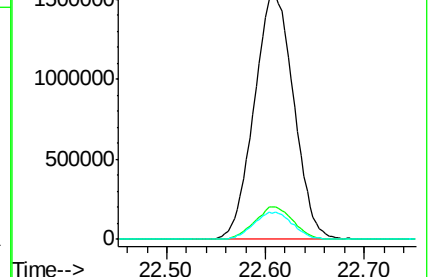
129 11.2 8.9 13.3



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: 5.968 ppbv

RT: 25.25 min Scan# 7514

Delta R.T. 0.00 min

Lab File: VL031240.D

Acq: 14 Dec 2017 20:23

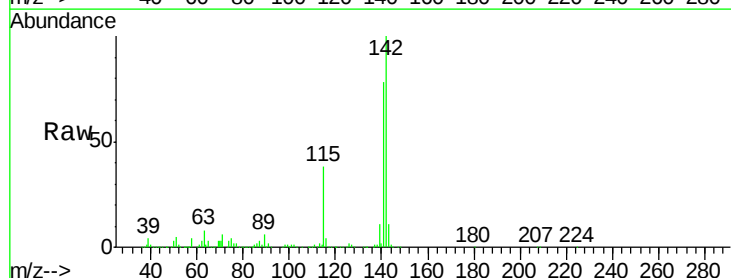
Tgt Ion:142 Resp: 1250323

Ion Ratio Lower Upper

142 100

141 82.7 66.8 100.2

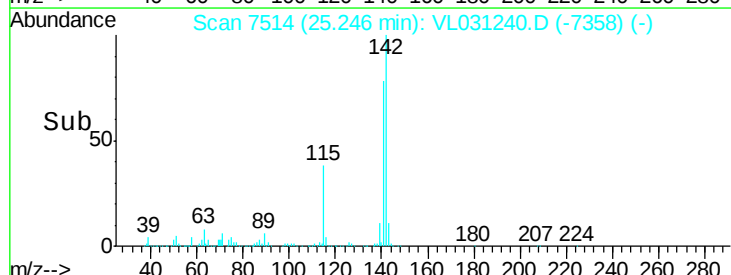
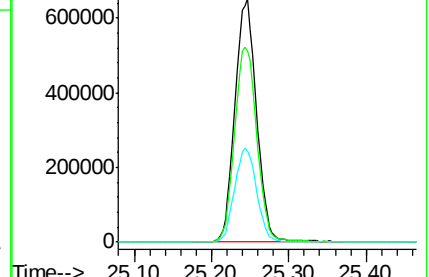
115 39.2 29.7 44.5

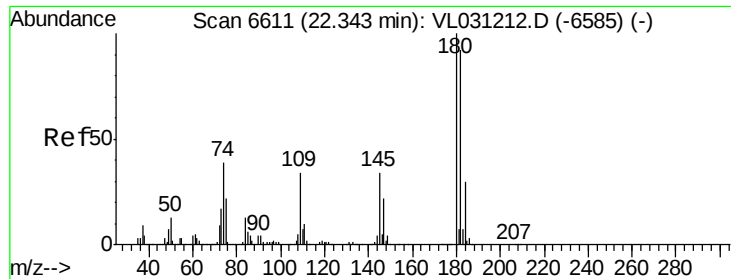


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

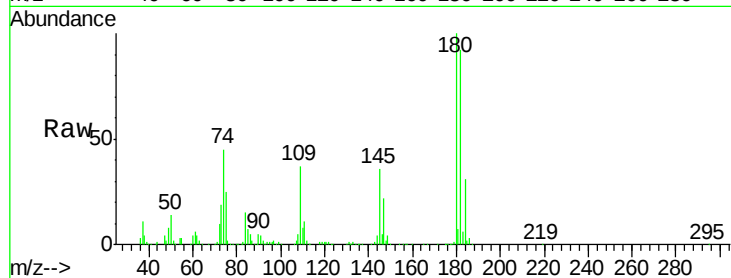




#81
 1,2,4-Trichlorobenzene
 Concen: 7.299 ppbv
 RT: 22.33 min Scan# 6608
 Delta R.T. -0.01 min
 Lab File: VL031240.D
 Acq: 14 Dec 2017 20:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1912244
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.9 113.9
 184 30.1 24.2 36.2



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

