

Data File : VL034704.D
Acq On : 27 Feb 2020 10:21
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Feb 28 01:05:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1008643	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.21	114	2103984	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.15	117	2662675	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1819618	8.33	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.03	85	1265454	7.953	ppbv	92
3) Chlorodifluoromethane	2.97	51	1056353	9.705	ppbv	99
4) Chloromethane	3.12	50	580700	9.530	ppbv	97
5) Vinyl Chloride	3.24	62	584211	9.773	ppbv	99
6) Bromomethane	3.46	94	349875	9.990	ppbv	99
7) Chloroethane	3.55	64	212678	9.584	ppbv	94
8) Dichlorotetrafluoroethane	3.17	85	1310891	9.314	ppbv	100
9) Propene	2.99	41	436581	9.595	ppbv	100
10) Heptane	8.16	43	1205379	10.292	ppbv	99
11) Trichlorofluoromethane	3.94	101	1359068	9.752	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	938091	9.549	ppbv	100
13) Ethanol	3.60	45	138119	9.609	ppbv	96
14) Bromoethene	3.73	108	405882	9.902	ppbv	99
15) Acetone	3.84	43	1028084	8.945	ppbv	100
16) 1,3-Butadiene	3.31	39	522647	9.823	ppbv	100
17) tert-Butyl alcohol	4.29	59	1070530	12.155	ppbv	100
18) 1,1-Dichloroethene	4.29	96	432144	9.798	ppbv	96
19) Isopropyl Alcohol	3.97	45	809403	11.823	ppbv	99
20) Methylene Chloride	4.35	84	380455	8.900	ppbv	98
21) Allyl Chloride	4.41	41	763677	10.043	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	427351	9.938	ppbv	97
23) Vinyl Acetate	5.09	43	1676831	10.731	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1222094	9.793	ppbv	99
25) Ethyl Acetate	5.70	43	2029909	9.977	ppbv	100
26) Hexane	5.71	57	917765	9.787	ppbv	99
27) Carbon Disulfide	4.55	76	1110893	10.436	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1378236	10.288	ppbv	100
29) Chloroform	5.77	83	1447168	9.686	ppbv	99
30) Cyclohexane	7.16	84	742896	10.222	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	951588	10.312	ppbv	94
32) 1,1,1-Trichloroethane	6.54	97	1401359	10.044	ppbv	100
34) 2-Butanone	5.26	43	1332908	10.065	ppbv	100
35) Carbon Tetrachloride	7.05	117	1438893	10.212	ppbv	98
36) Benzene	6.93	78	1812643	9.975	ppbv	96
37) 1,2-Dichloroethane	6.33	62	1178160	10.285	ppbv	98
38) Trichloroethene	7.88	130	684957	9.779	ppbv	97
39) 1,2-Dichloropropane	7.65	63	725049	10.029	ppbv	98
40) 1,4-Dioxane	7.87	88	265226	10.788	ppbv #	1
41) Tetrahydrofuran	6.07	42	750942	10.743	ppbv	100
42) Bromodichloromethane	7.83	83	1564008	10.429	ppbv	98
43) Methyl Methacrylate	8.05	69	844071	11.044	ppbv	99

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VSTDCCC010

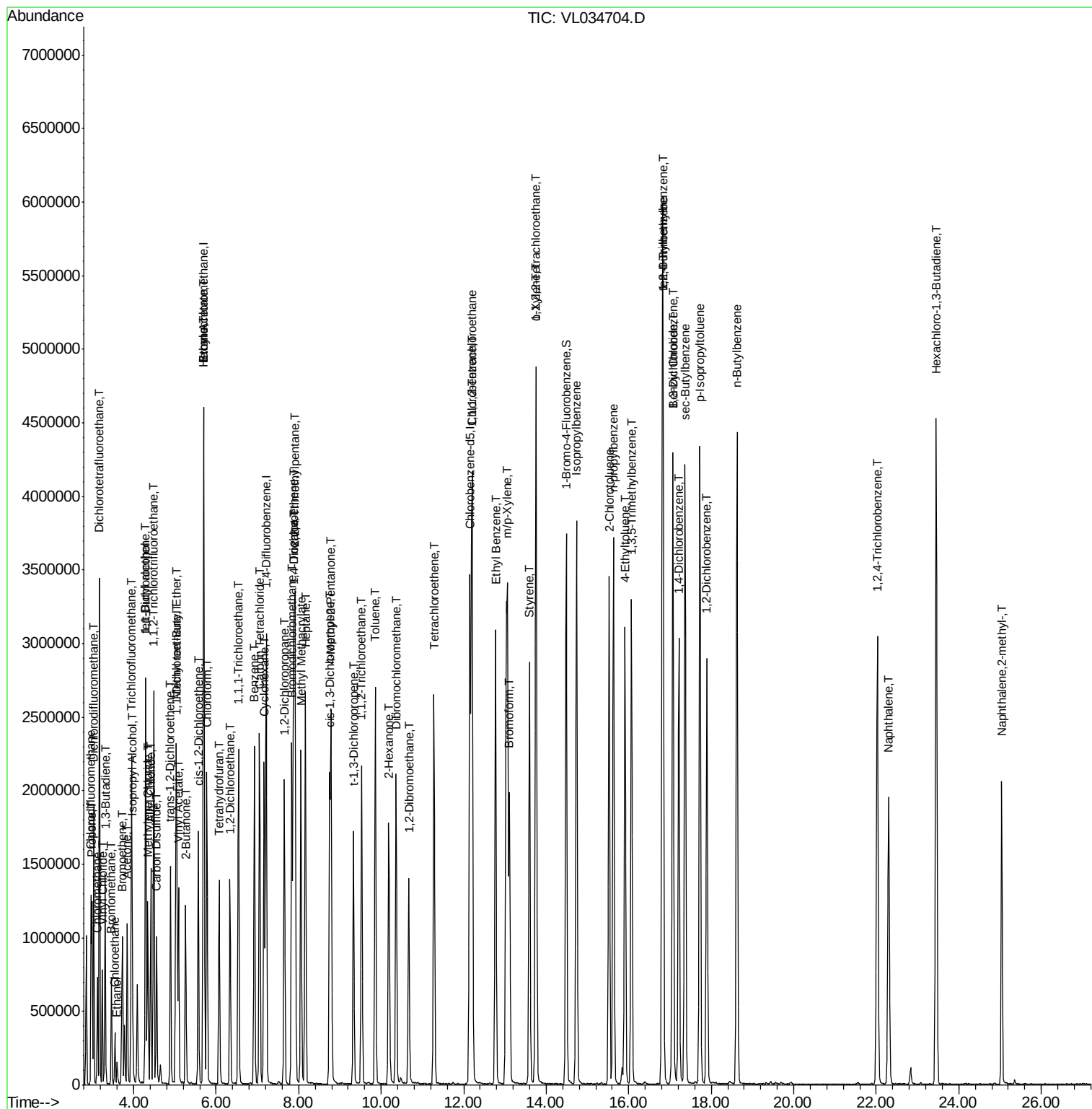
Quant Time: Feb 28 01:05:32 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

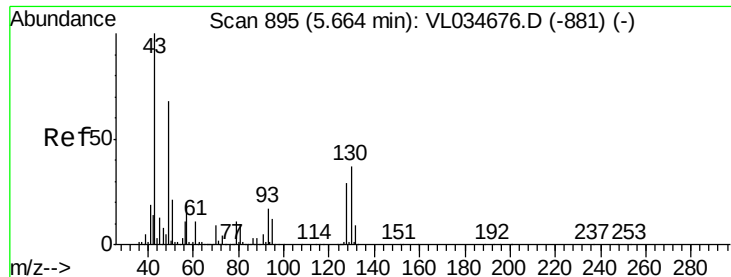
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44) 2,2,4-Trimethylpentane	7.91	57	3163997	9.962	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	993901	11.916	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1148219	11.479	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	742389	10.009	ppbv	97
48) Dibromochloromethane	10.36	129	1244423	10.790	ppbv	99
49) Bromoform	13.10	173	1100313	11.003	ppbv	99
50) 4-Methyl-2-Pentanone	8.78	43	2001277	10.669	ppbv	99
51) 2-Hexanone	10.18	43	1649440	11.174	ppbv #	99
52) Tetrachloroethene	11.28	164	625599	9.392	ppbv	96
53) Toluene	9.86	91	2063088	10.674	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1149889	10.392	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.19	131	931009	8.210	ppbv #	93
57) Chlorobenzene	12.21	112	1532842	7.789	ppbv	99
58) Ethyl Benzene	12.77	91	2771230	8.602	ppbv	99
59) m/p-Xylene	13.06	91	1932581	6.878	ppbv #	32
60) o-Xylene	13.76	91	2266282	8.128	ppbv	100
61) Styrene	13.59	104	1606868	8.972	ppbv	98
62) Isopropylbenzene	14.73	105	3298593	8.110	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	1621349	7.461	ppbv	99
64) n-propylbenzene	15.63	120	439407	4.191	ppbv #	1
65) tert-Butylbenzene	16.82	119	2866069	8.161	ppbv	99
66) Benzyl Chloride	17.07	91	1311611	10.012	ppbv	99
67) sec-Butylbenzene	17.37	105	4082689	8.079	ppbv	100
69) p-Isopropyltoluene	17.73	119	3413100	8.204	ppbv	100
70) n-Butylbenzene	18.63	91	3682308	8.129	ppbv	100
71) 2-Chlorotoluene	15.53	91	2623491	8.328	ppbv	99
72) 4-Ethyltoluene	15.91	105	2667601	8.596	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	2503314	8.385	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2578813	7.822	ppbv	99
75) 1,3-Dichlorobenzene	17.07	146	1477856	7.765	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1476373	7.754	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1420953	7.723	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	1233772	7.701	ppbv	99
79) Naphthalene	22.30	128	2423123	8.351	ppbv	97
80) Naphthalene,2-methyl-	25.04	142	1097582	12.264	ppbv	95
81) 1,2,4-Trichlorobenzene	22.03	180	1387179	8.010	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

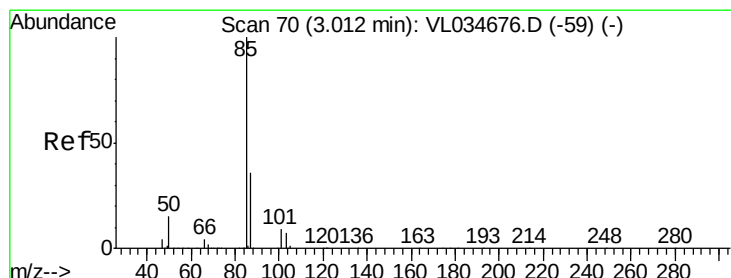
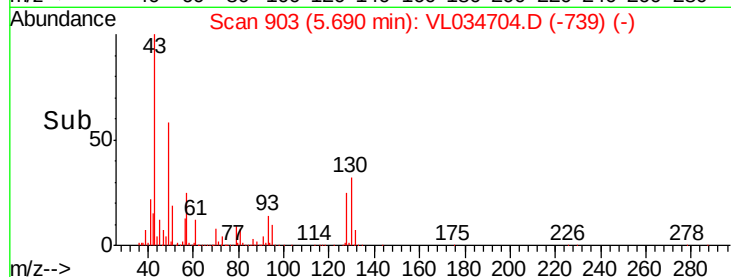
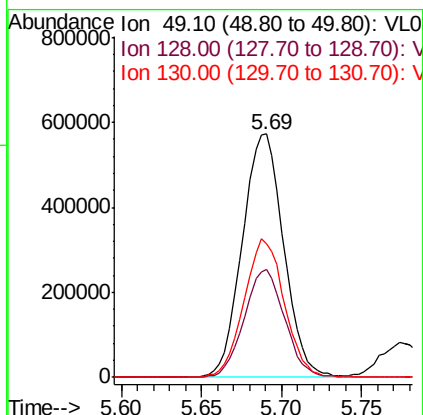
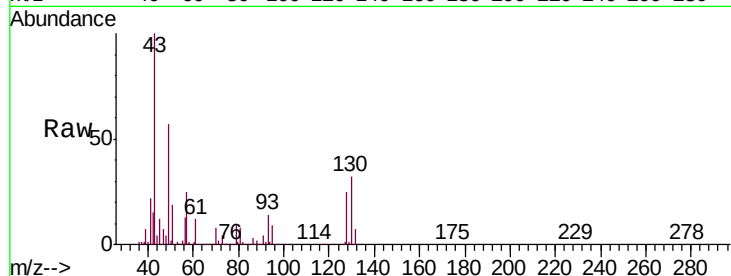




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.03 min
 Lab File: VL034704.D
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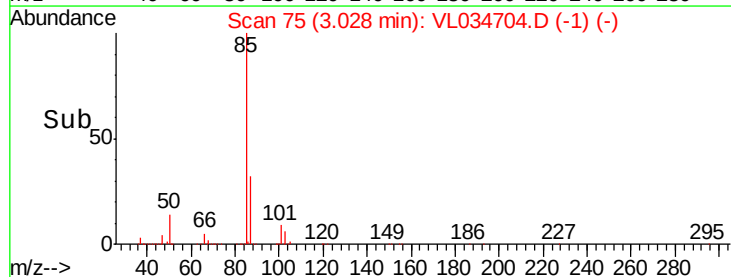
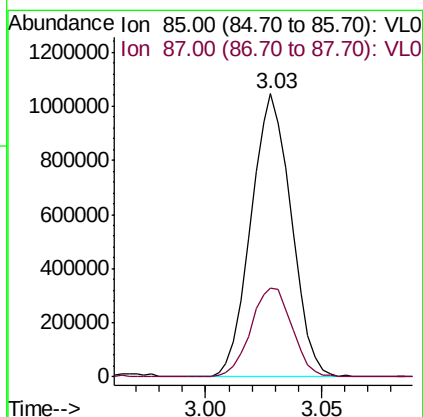
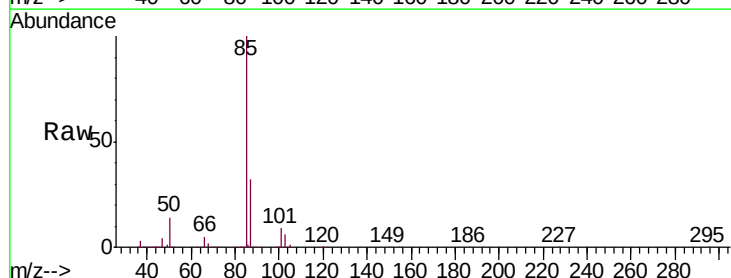
Instrument :
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 ClientSampleId :
 VSTDCCC010

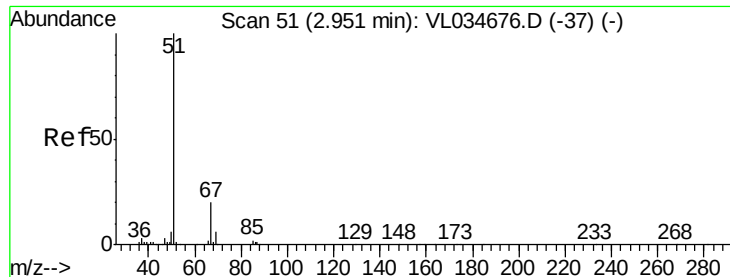
Tgt Ion: 49 Resp: 1008643
 Ion Ratio Lower Upper
 49 100
 128 43.4 21.6 65.0
 130 55.5 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 7.953 ppbv
 RT: 3.03 min Scan# 75
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 85 Resp: 1265454
 Ion Ratio Lower Upper
 85 100
 87 31.5 29.2 43.8

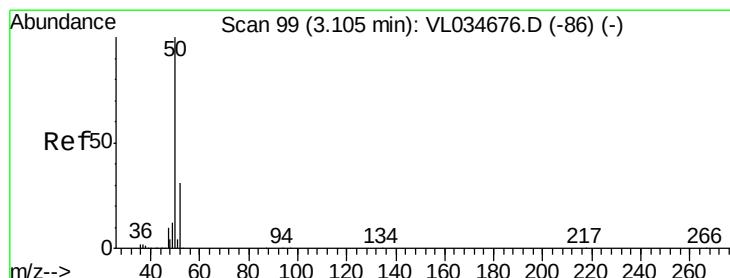
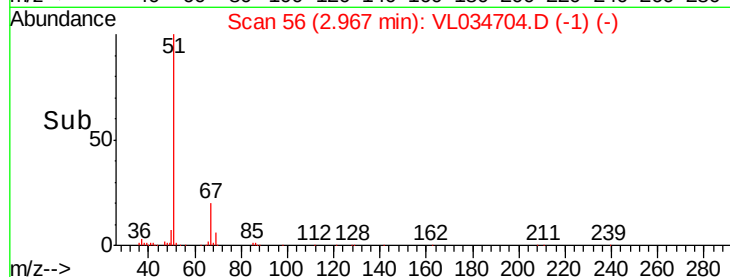
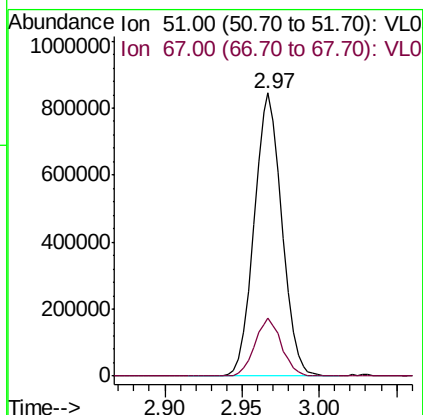
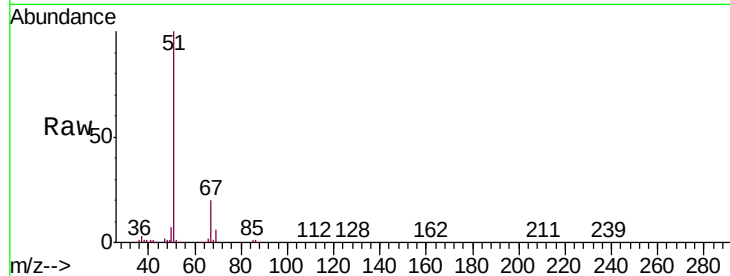




#3
 Chlorodifluoromethane
 Concen: 9.705 ppbv
 RT: 2.97 min Scan# 56
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

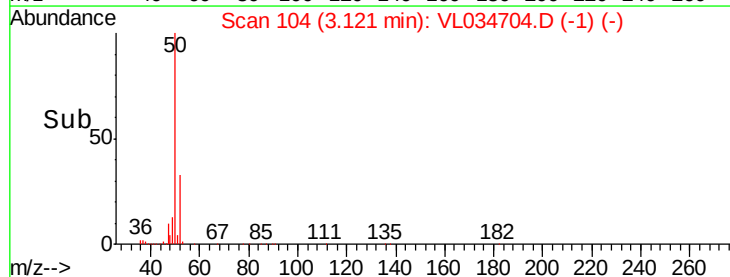
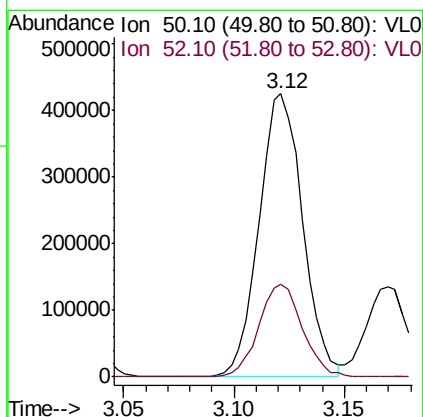
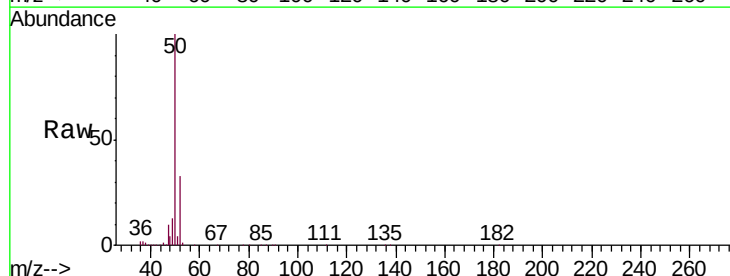
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

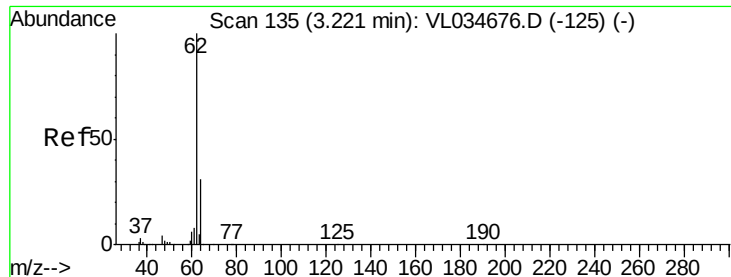
Tgt Ion: 51 Resp: 1056353
 Ion Ratio Lower Upper
 51 100
 67 19.8 15.5 23.3



#4
 Chloromethane
 Concen: 9.530 ppbv
 RT: 3.12 min Scan# 104
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 50 Resp: 580700
 Ion Ratio Lower Upper
 50 100
 52 32.7 25.0 37.4





#5

Vinyl Chloride

Concen: 9.773 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

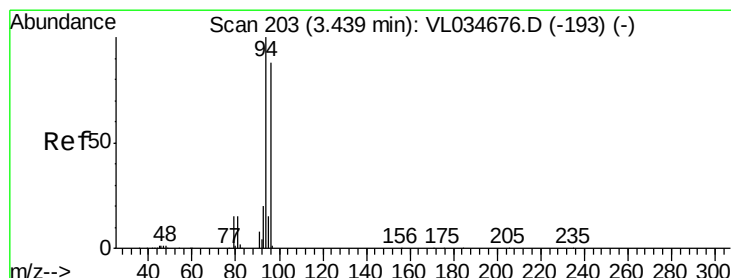
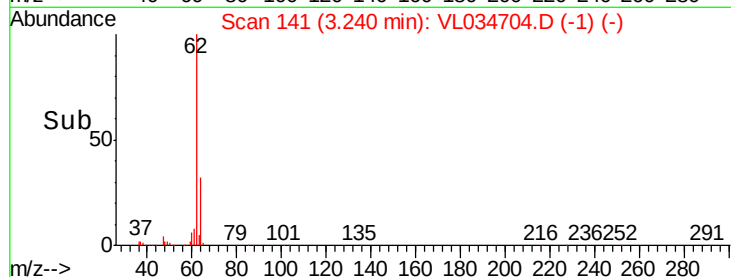
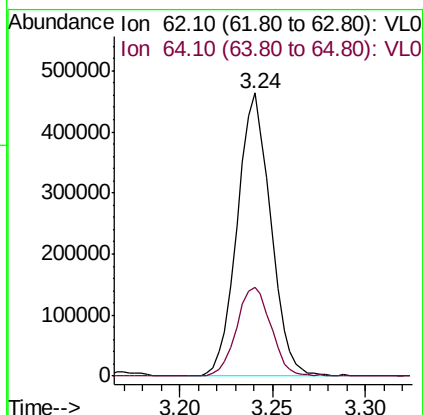
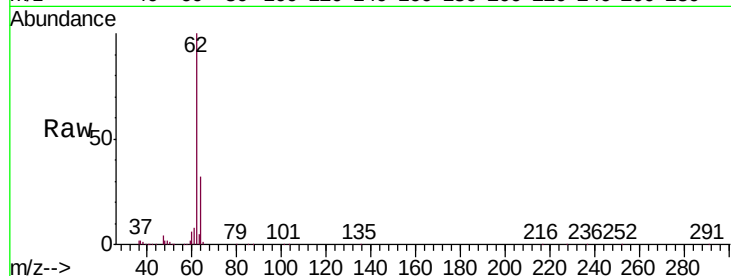
VSTDCCC010

Tgt Ion: 62 Resp: 584211

Ion Ratio Lower Upper

62 100

64 31.5 24.7 37.1



#6

Bromomethane

Concen: 9.990 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034704.D

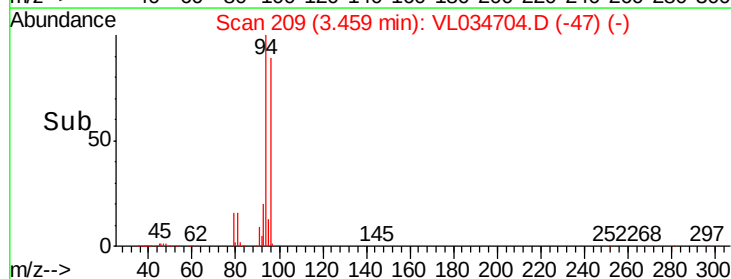
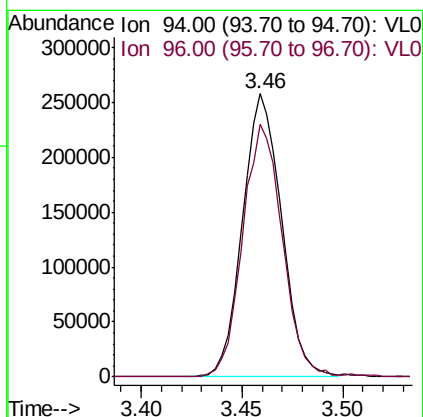
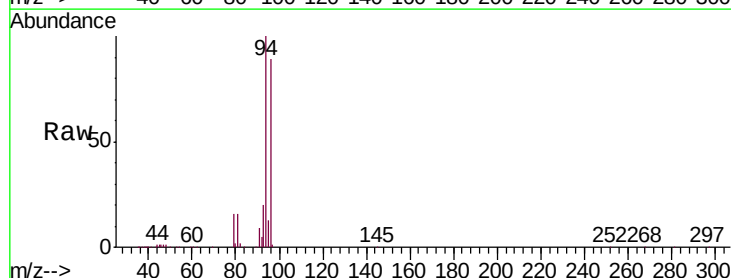
Acq: 27 Feb 2020 10:21

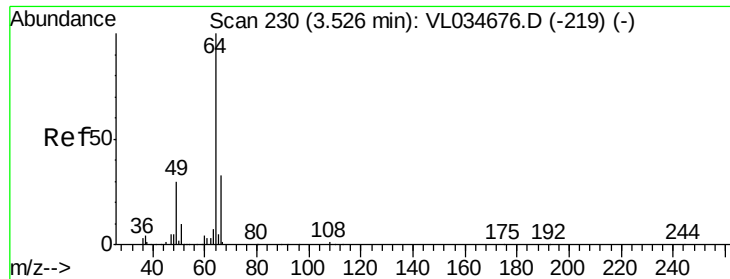
Tgt Ion: 94 Resp: 349875

Ion Ratio Lower Upper

94 100

96 89.1 70.5 105.7





#7

Chloroethane

Concen: 9.584 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

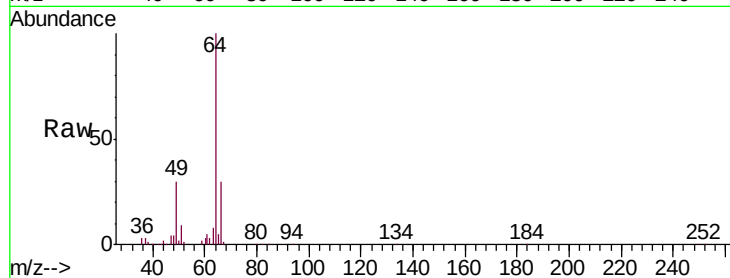
VSTDCCC010

Tgt Ion: 64 Resp: 212678

Ion Ratio Lower Upper

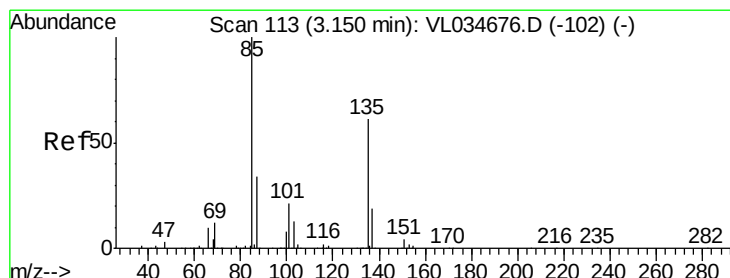
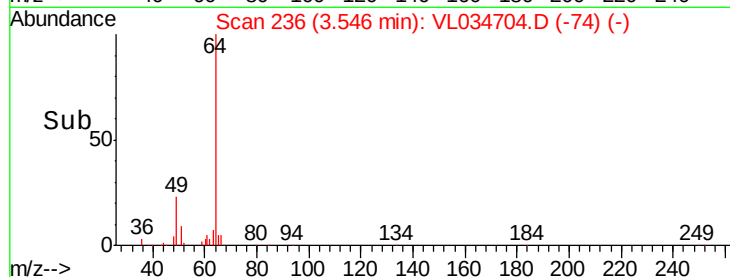
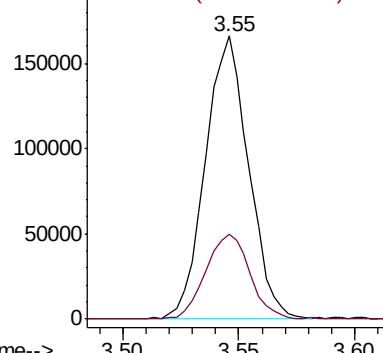
64 100

66 30.1 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.314 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.02 min

Lab File: VL034704.D

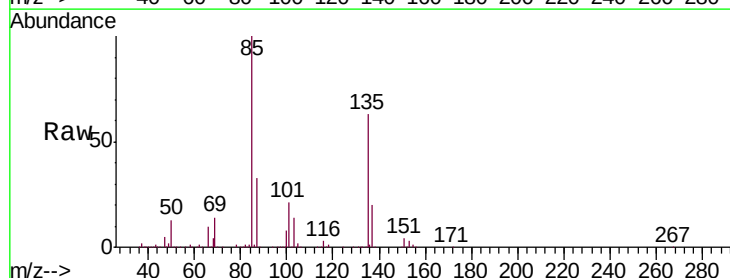
Acq: 27 Feb 2020 10:21

Tgt Ion: 85 Resp: 1310891

Ion Ratio Lower Upper

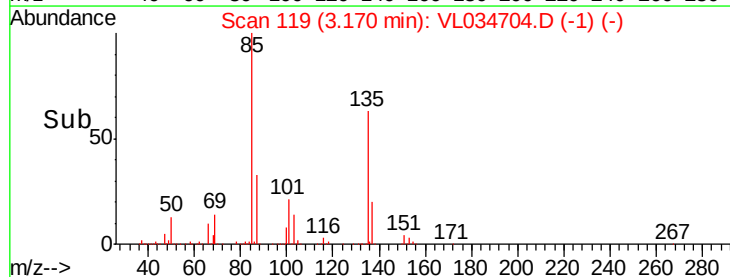
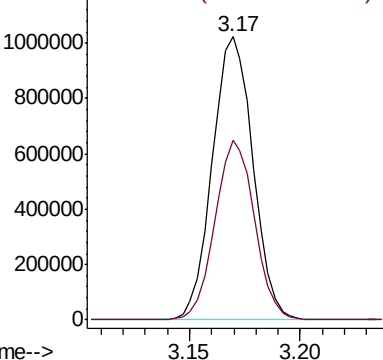
85 100

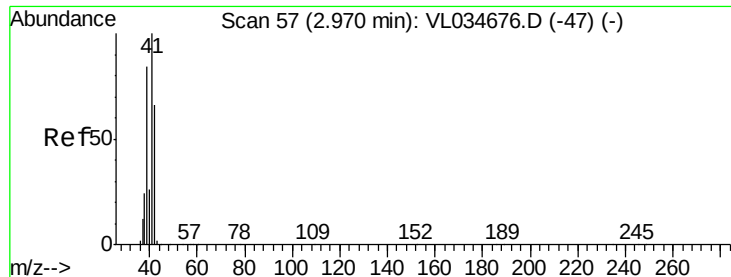
135 62.2 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.595 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

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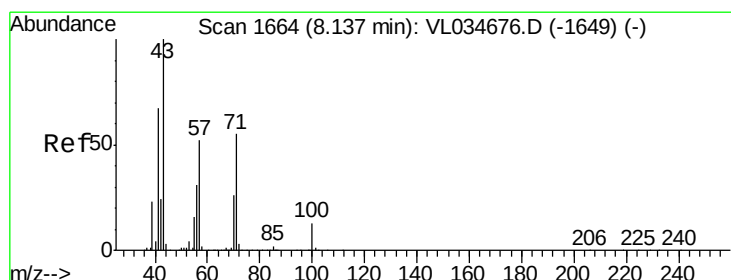
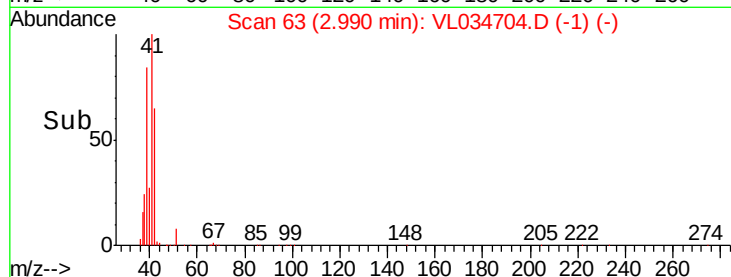
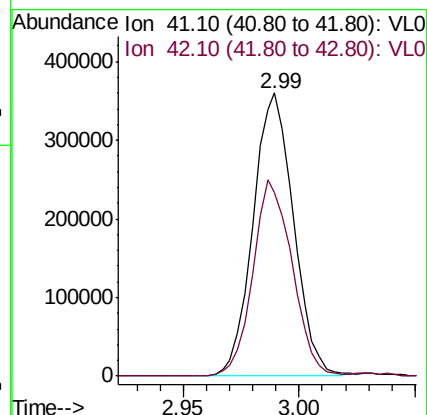
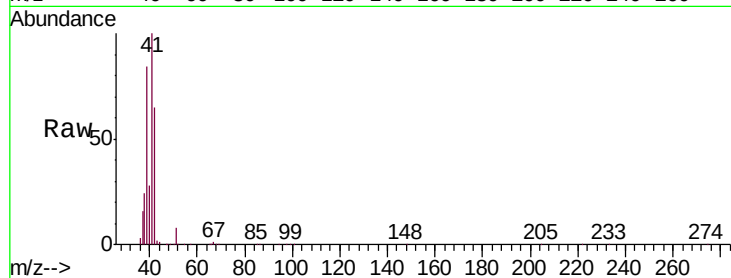
VSTDCCC010

Tgt Ion: 41 Resp: 436581

Ion Ratio Lower Upper

41 100

42 68.8 54.9 82.3



#10

Heptane

Concen: 10.292 ppbv

RT: 8.16 min Scan# 1672

Delta R.T. 0.03 min

Lab File: VL034704.D

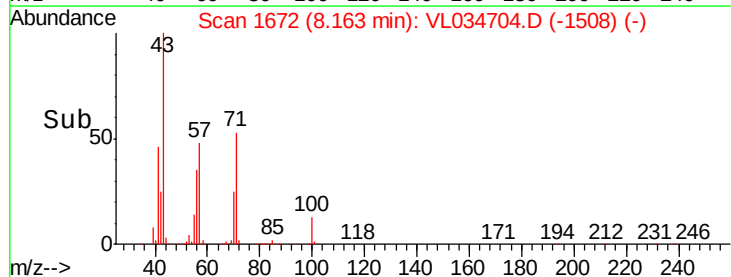
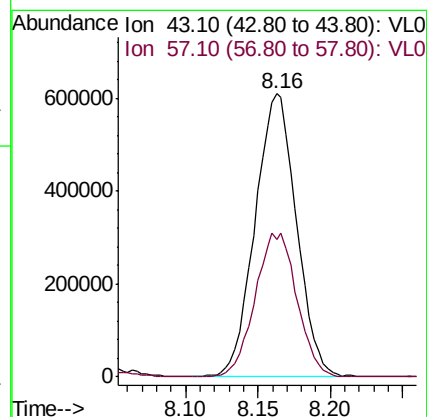
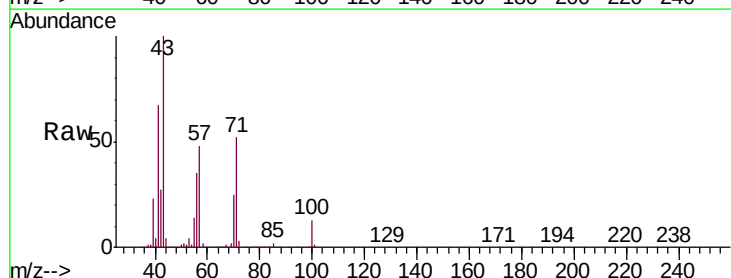
Acq: 27 Feb 2020 10:21

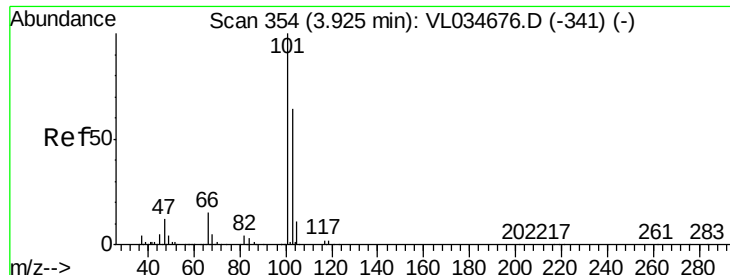
Tgt Ion: 43 Resp: 1205379

Ion Ratio Lower Upper

43 100

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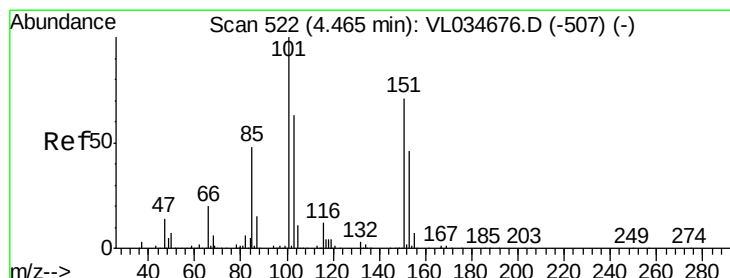
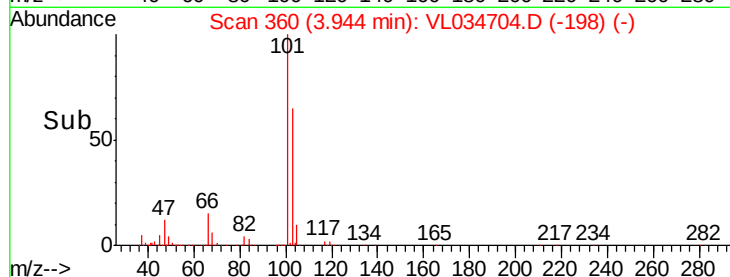
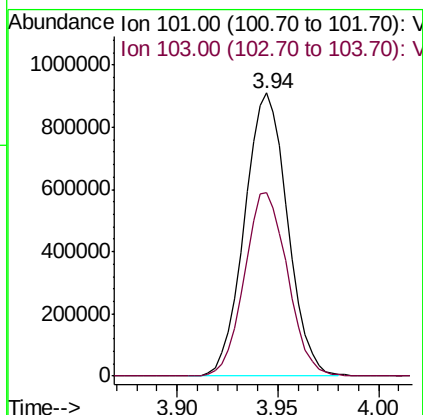
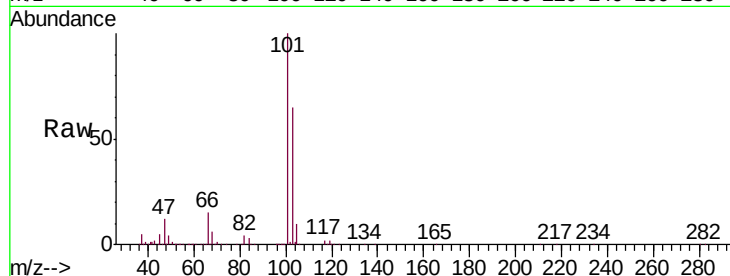




#11
 Trichlorofluoromethane
 Concen: 9.752 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.02 min
 Lab File: VL034704.D
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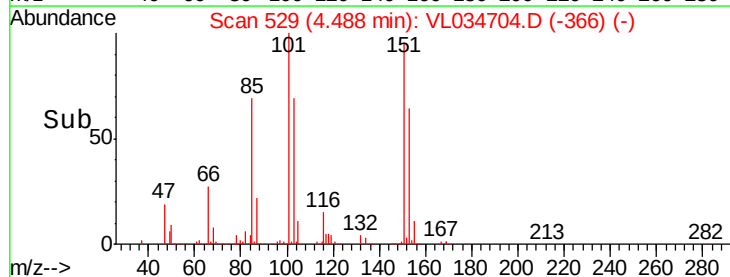
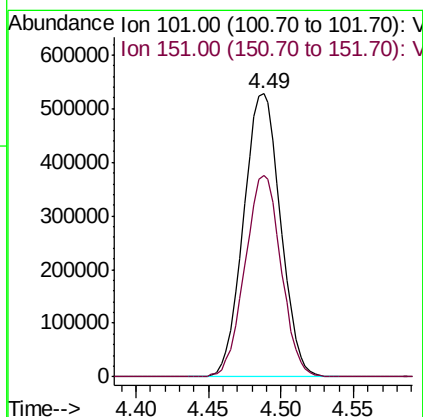
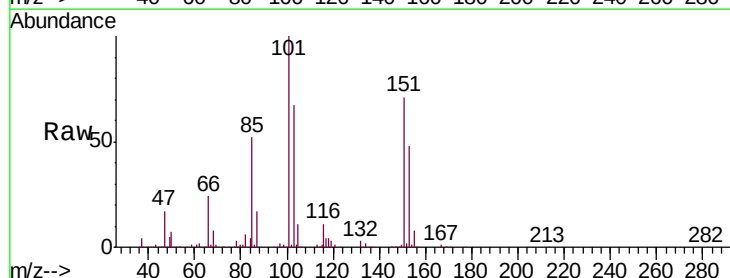
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

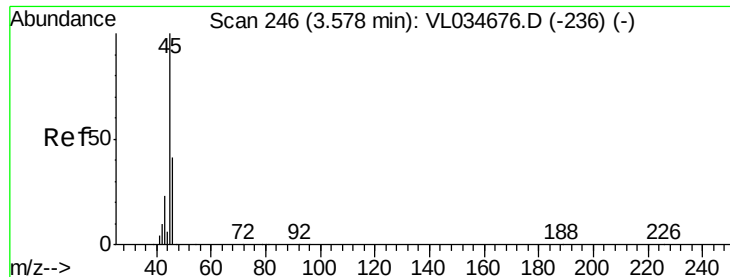
Tgt Ion:101 Resp: 1359068
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.549 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion:101 Resp: 938091
 Ion Ratio Lower Upper
 101 100
 151 69.6 55.8 83.6





#13

Ethanol

Concen: 9.609 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

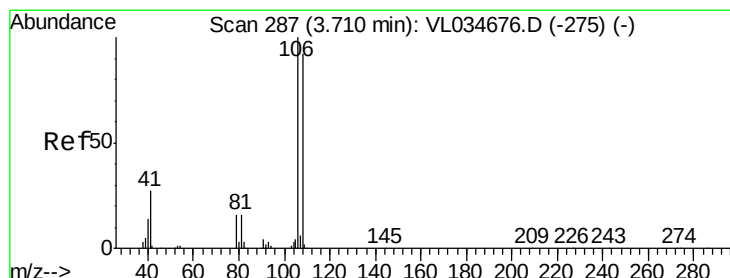
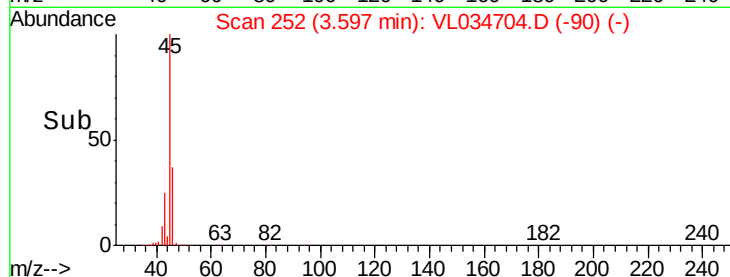
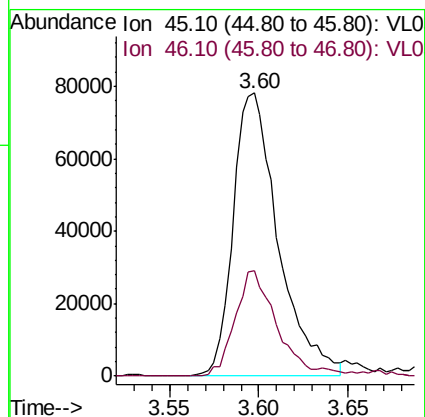
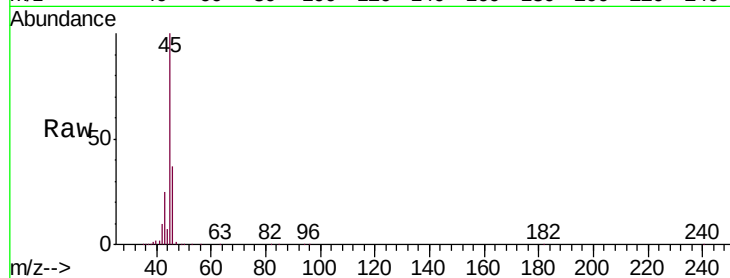
VSTDCCC010

Tgt Ion: 45 Resp: 138119

Ion Ratio Lower Upper

45 100

46 35.9 15.4 61.4



#14

Bromoethene

Concen: 9.902 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

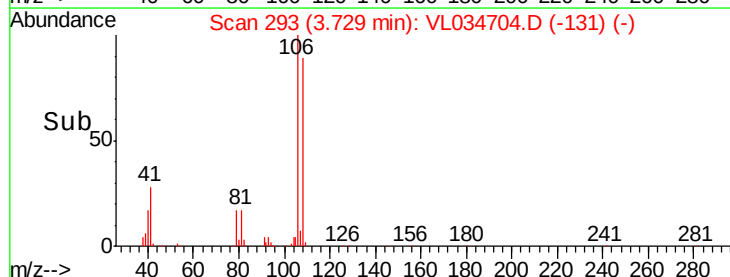
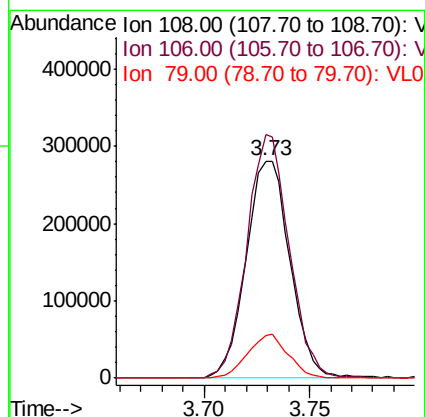
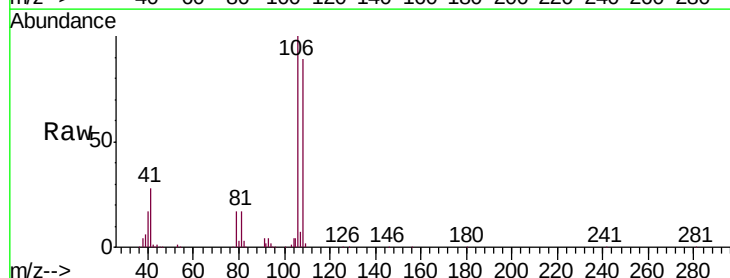
Tgt Ion: 108 Resp: 405882

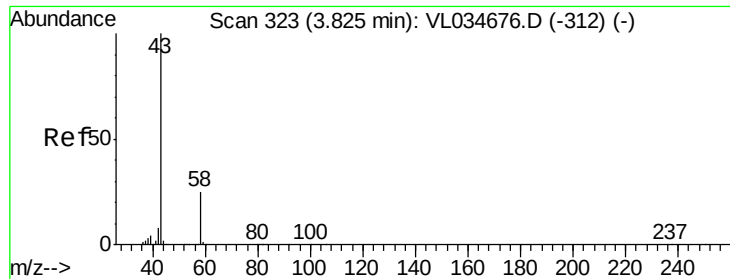
Ion Ratio Lower Upper

108 100

106 109.1 86.7 130.1

79 19.1 15.0 22.6





#15

Acetone

Concen: 8.945 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

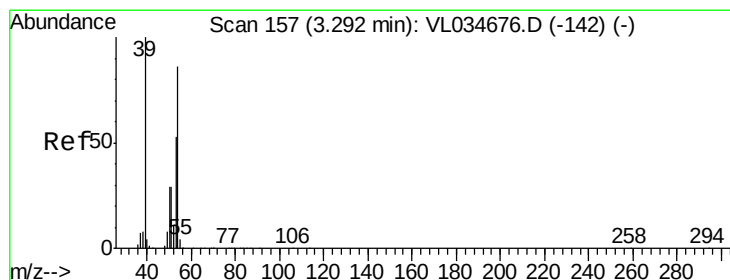
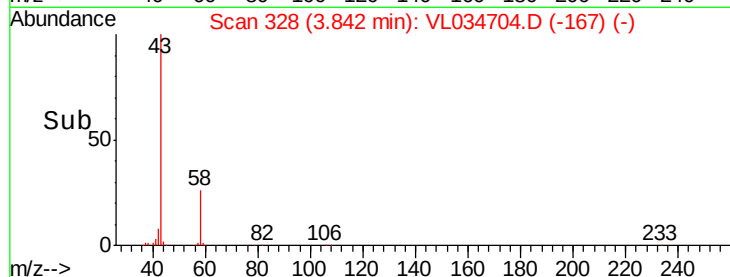
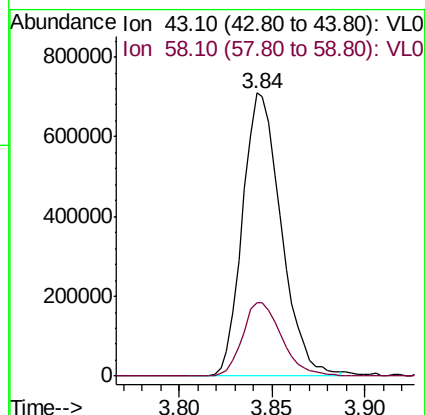
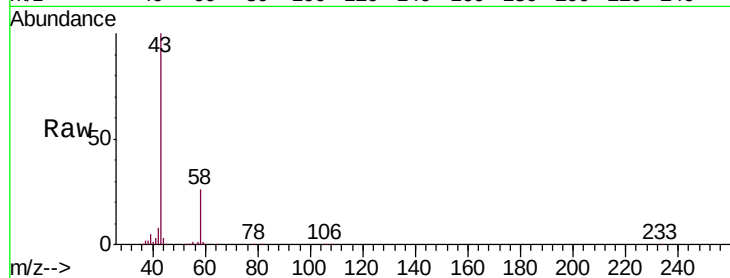
VSTDCCC010

Tgt Ion: 43 Resp: 1028084

Ion Ratio Lower Upper

43 100

58 26.7 21.4 32.0



#16

1,3-Butadiene

Concen: 9.823 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.02 min

Lab File: VL034704.D

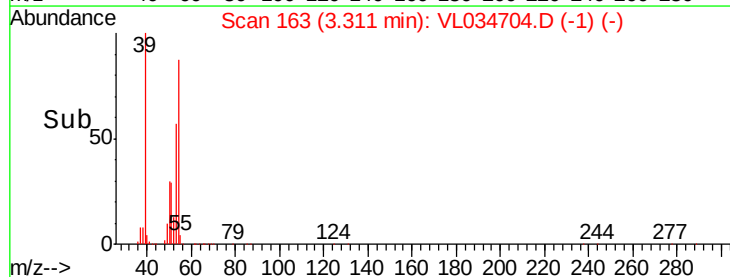
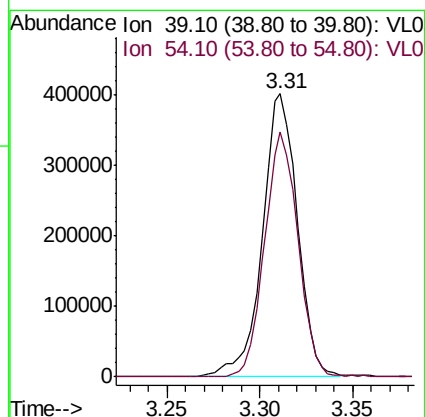
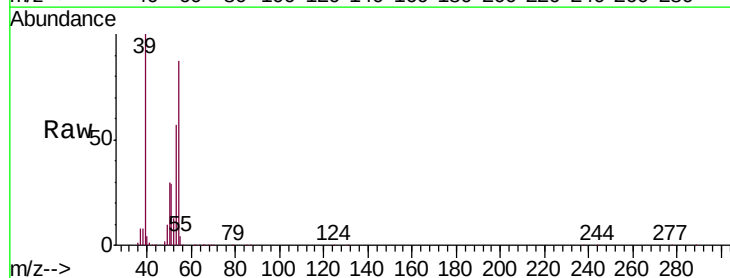
Acq: 27 Feb 2020 10:21

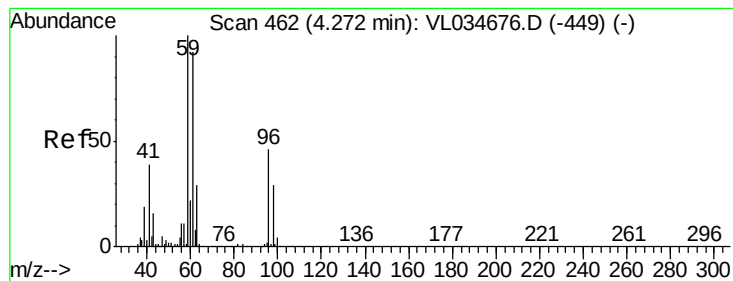
Tgt Ion: 39 Resp: 522647

Ion Ratio Lower Upper

39 100

54 83.7 67.0 100.6



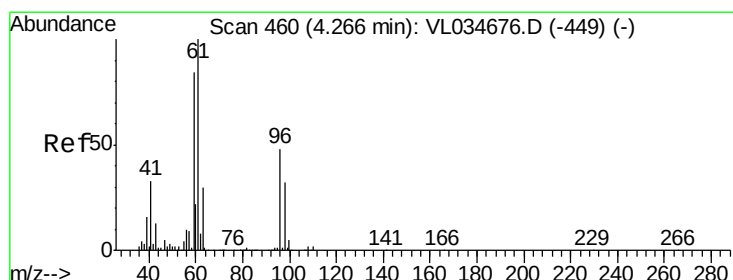
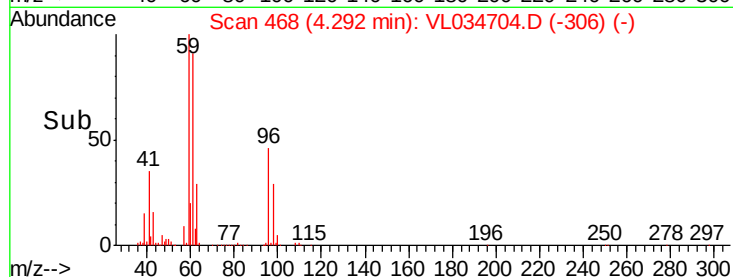
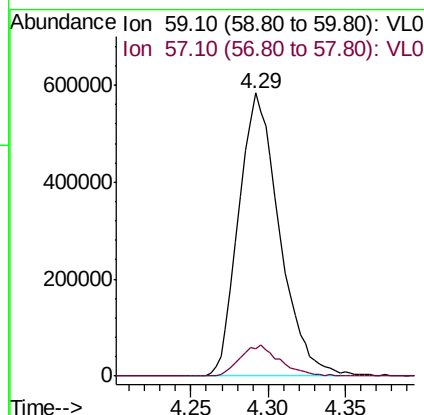
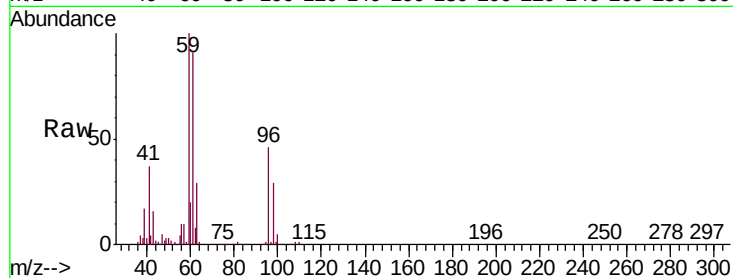


#17

tert-Butyl alcohol
 Concen: 12.155 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

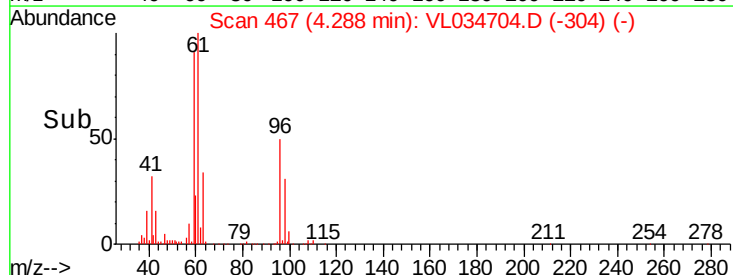
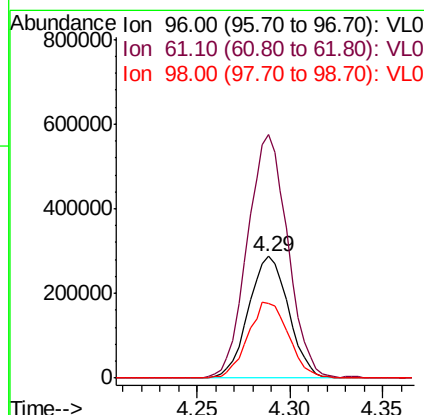
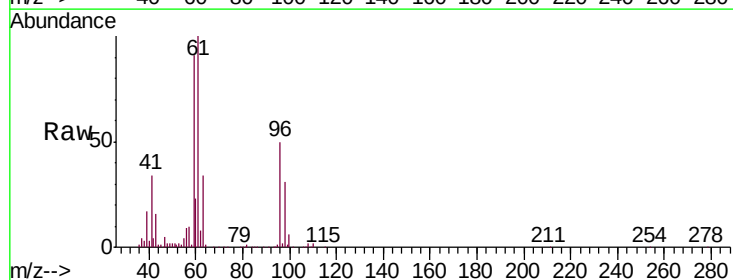
Tgt Ion: 59 Resp: 1070530
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

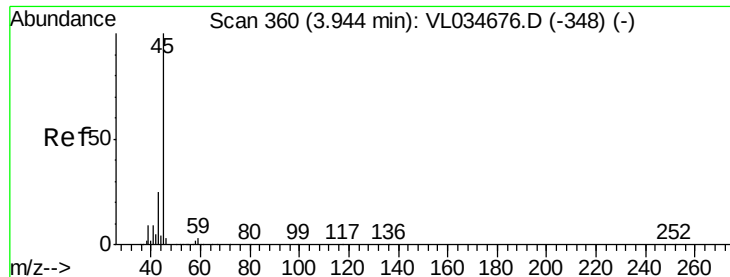


#18

1,1-Dichloroethene
 Concen: 9.798 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 96 Resp: 432144
 Ion Ratio Lower Upper
 96 100
 61 200.3 165.1 247.7
 98 61.6 52.7 79.1





#19

Isopropyl Alcohol

Concen: 11.823 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

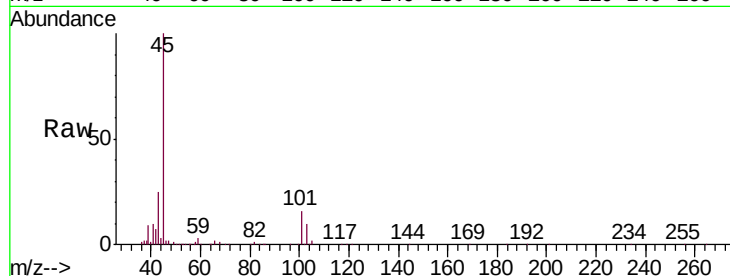
VSTDCCC010

Tgt Ion: 45 Resp: 809403

Ion Ratio Lower Upper

45 100

58 1.9 1.8 2.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

400000

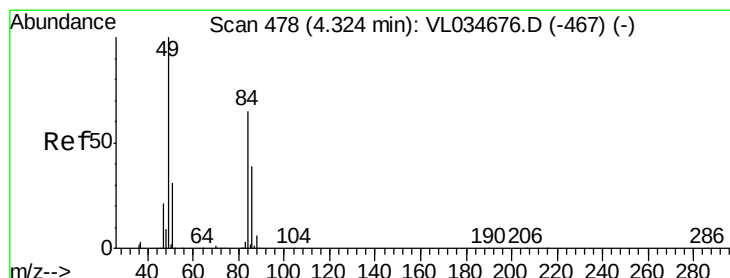
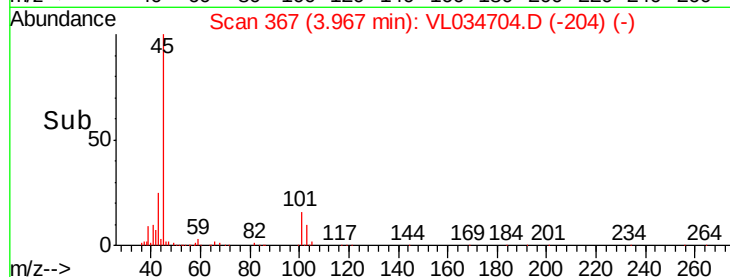
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.900 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Tgt Ion: 84 Resp: 380455

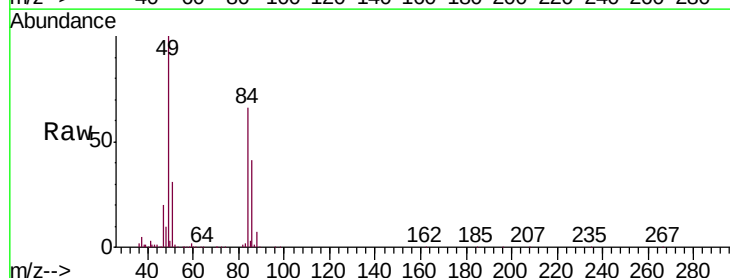
Ion Ratio Lower Upper

84 100

49 151.6 122.8 184.2

51 46.7 38.6 58.0

86 63.2 47.7 71.5



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

600000

500000

400000

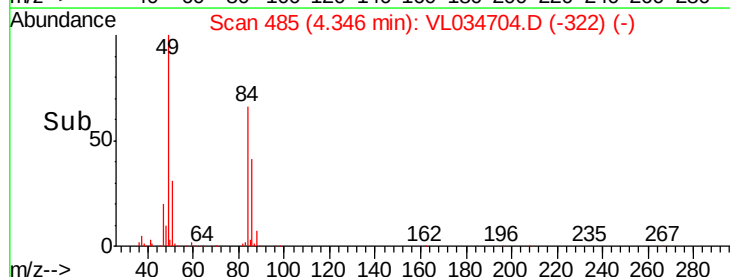
300000

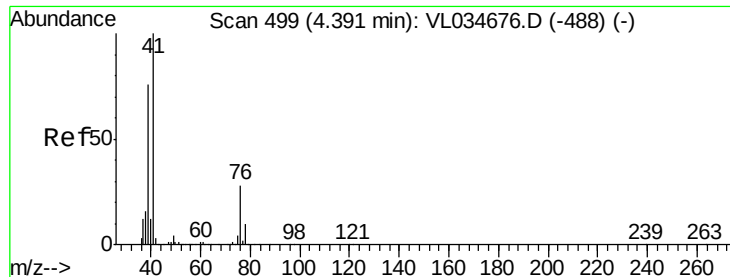
200000

100000

0

Time-->

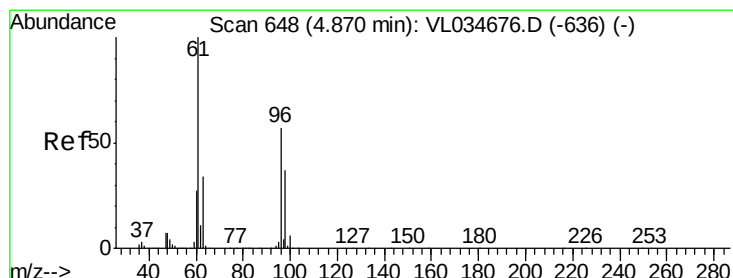
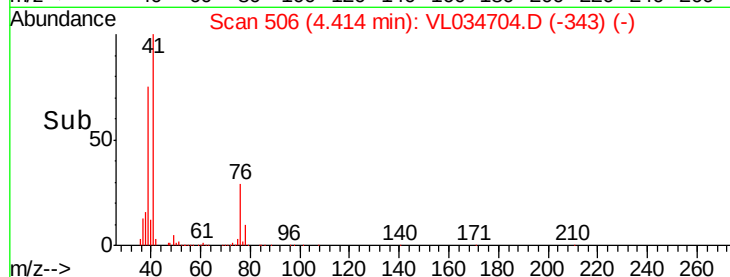
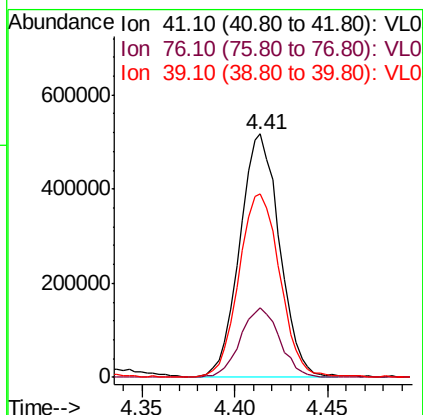
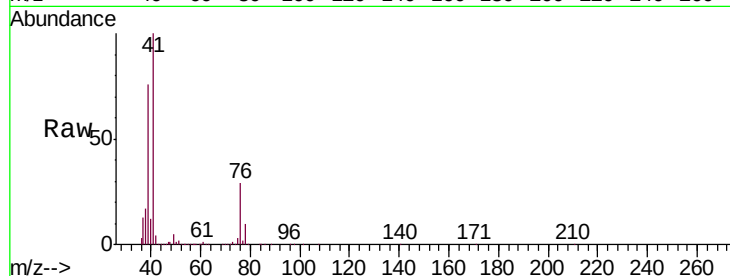




#21
 Allyl Chloride
 Concen: 10.043 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

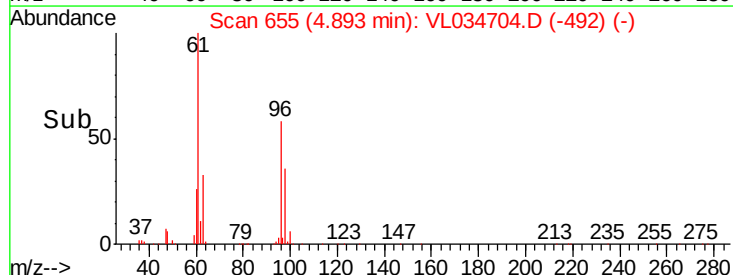
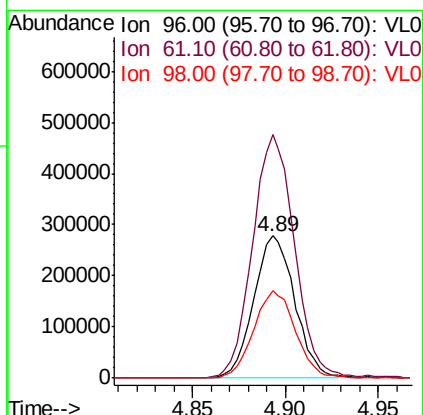
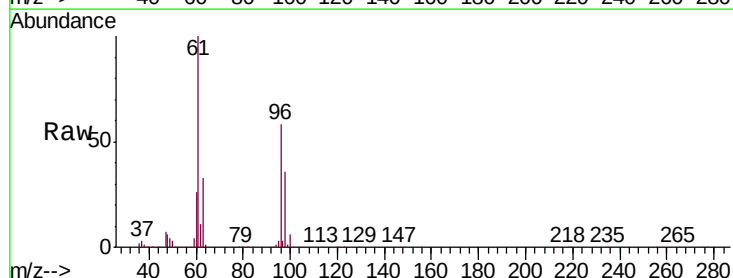
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

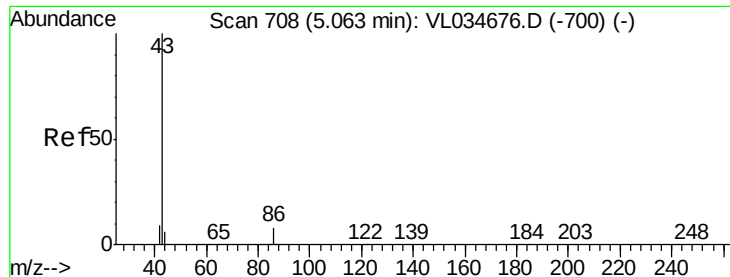
Tgt Ion: 41 Resp: 763677
 Ion Ratio Lower Upper
 41 100
 76 28.4 22.8 34.2
 39 79.7 61.7 92.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.938 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 96 Resp: 427351
 Ion Ratio Lower Upper
 96 100
 61 171.0 139.4 209.0
 98 61.2 51.3 76.9





#23

Vinyl Acetate

Concen: 10.731 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1676831

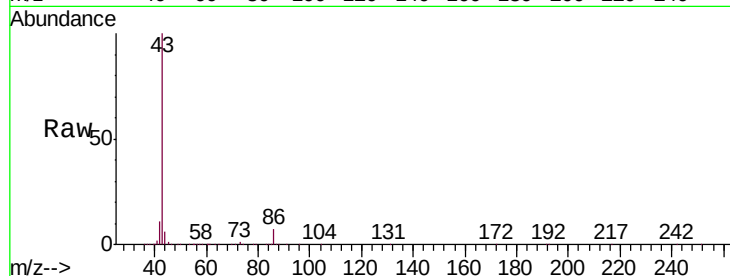
Ion Ratio Lower Upper

43 100

86 7.2 6.0 9.0

42 11.1 8.0 12.0

44 6.1 4.5 6.7

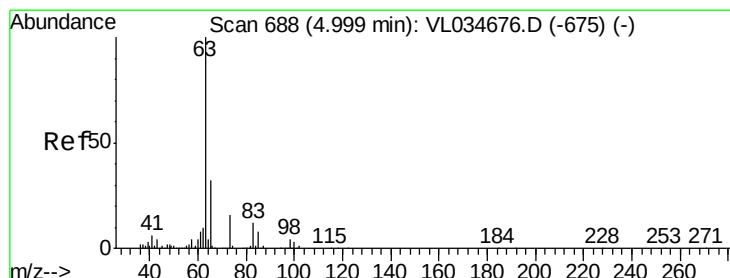
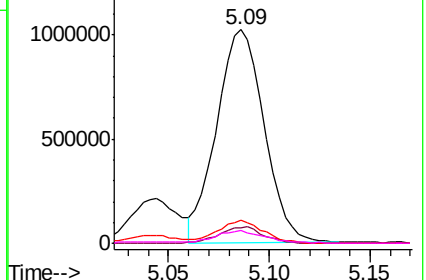
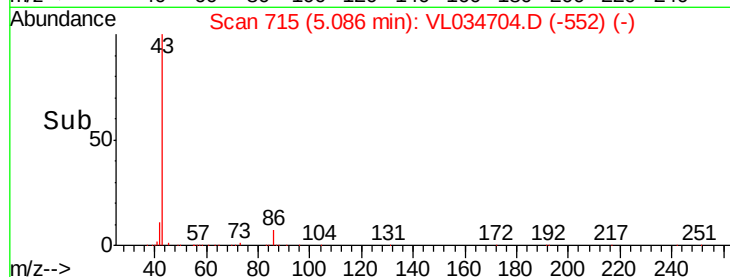


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.793 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

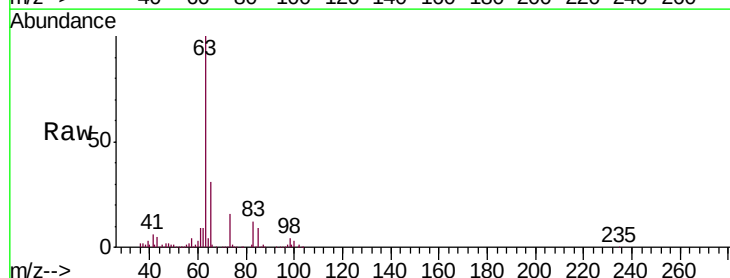
Tgt Ion: 63 Resp: 1222094

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

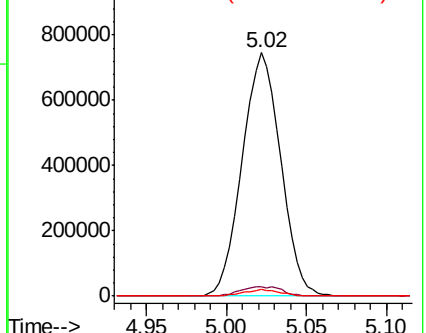
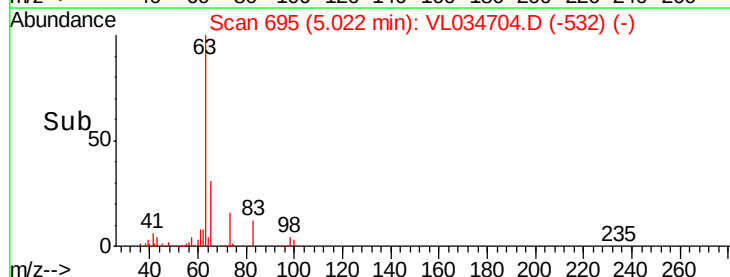
100 2.8 1.4 4.0

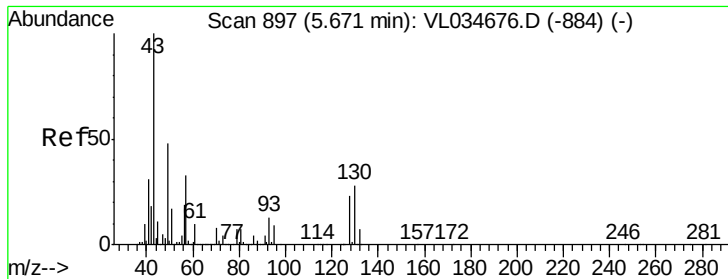


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



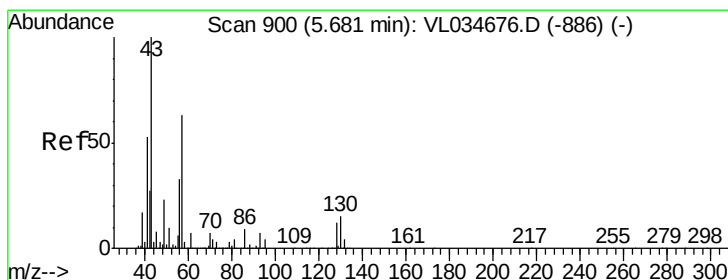
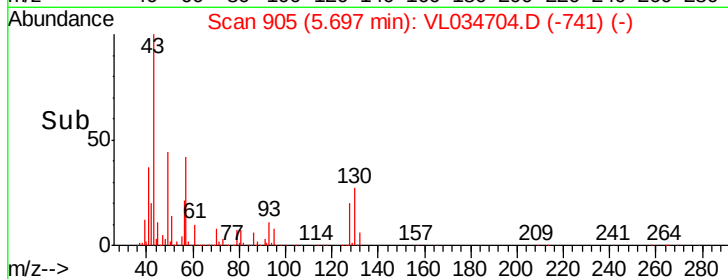
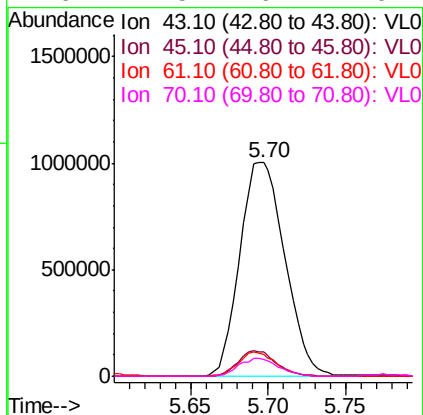
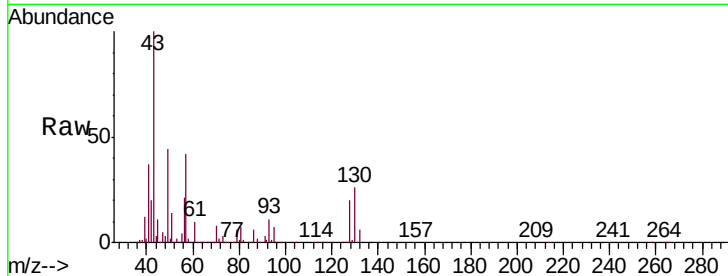


#25
Ethyl Acetate
Concen: 9.977 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2029909

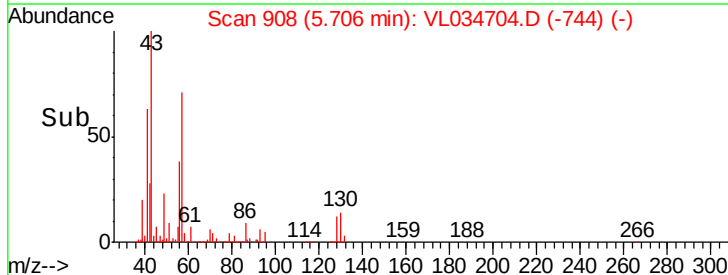
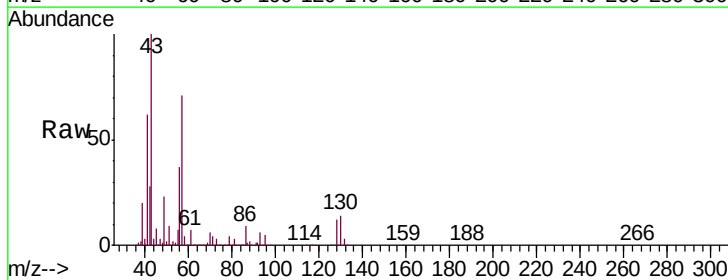
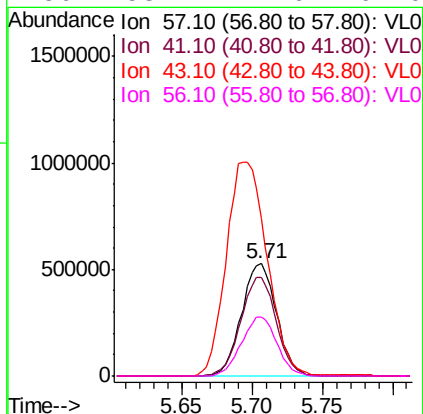
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.7	7.8	11.6
70	7.5	6.1	9.1

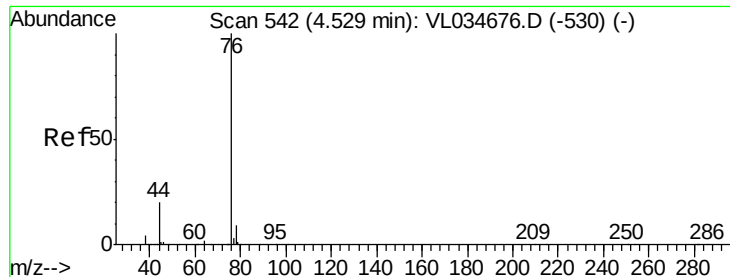


#26
Hexane
Concen: 9.787 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 57 Resp: 917765

Ion	Ratio	Lower	Upper
57	100		
41	89.0	70.3	105.5
43	222.8	177.0	265.4
56	53.1	42.6	64.0





#27

Carbon Disulfide

Concen: 10.436 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

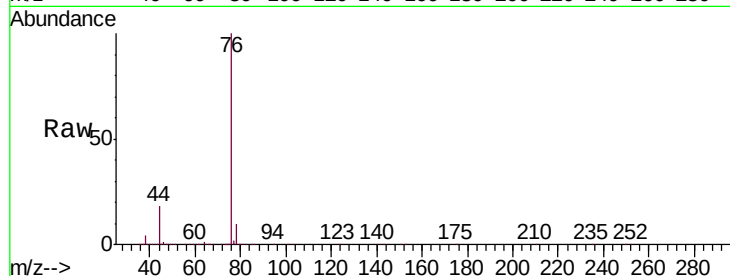
Tgt Ion: 76 Resp: 1110893

Ion Ratio Lower Upper

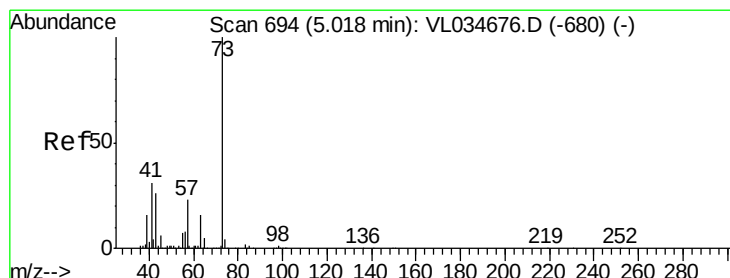
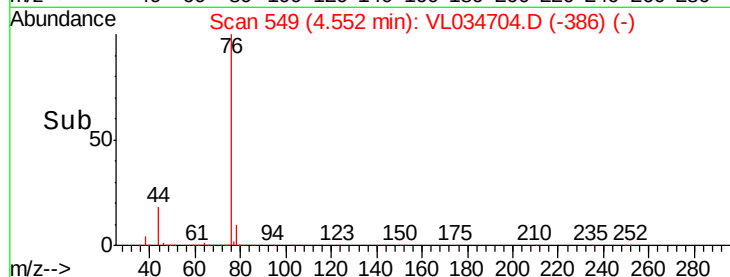
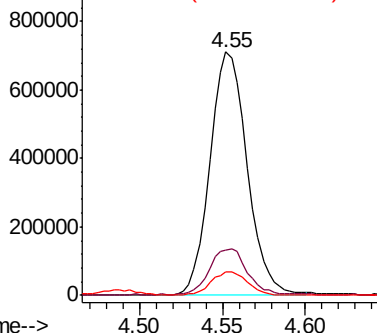
76 100

44 20.0 15.3 22.9

78 9.8 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: 10.288 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL034704.D

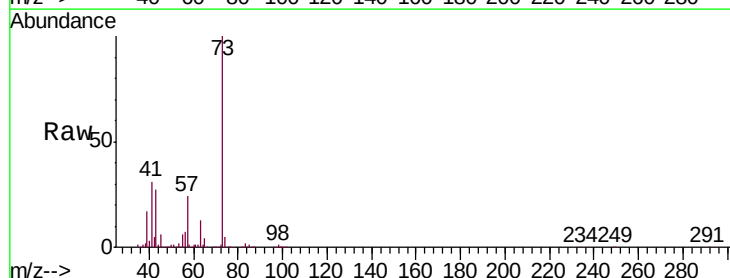
Acq: 27 Feb 2020 10:21

Tgt Ion: 73 Resp: 1378236

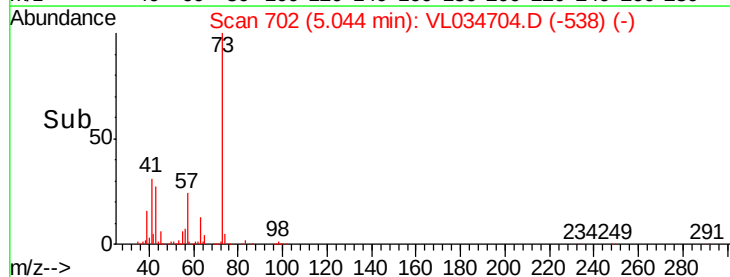
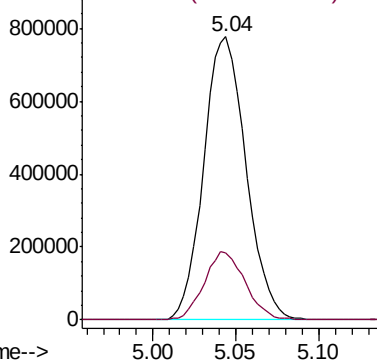
Ion Ratio Lower Upper

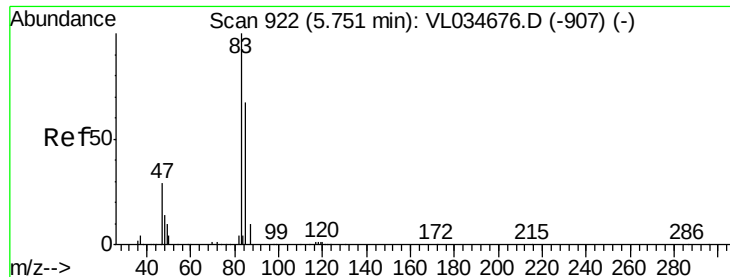
73 100

57 23.5 18.6 28.0



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

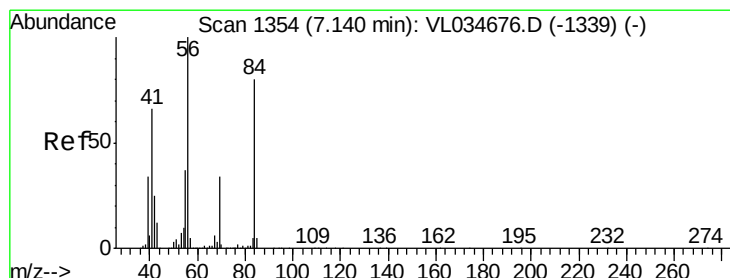
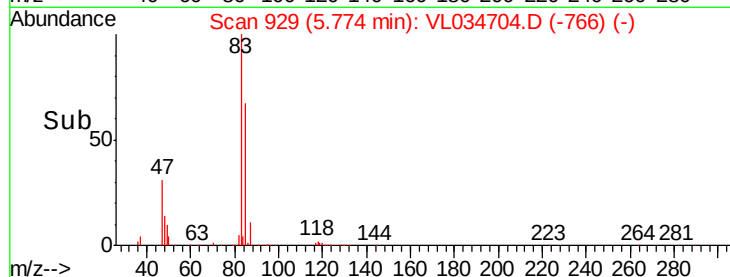
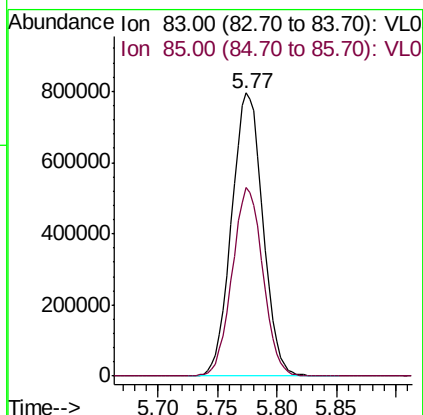
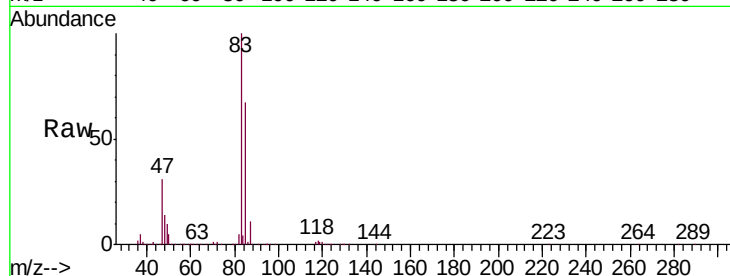




#29
Chloroform
Concen: 9.686 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

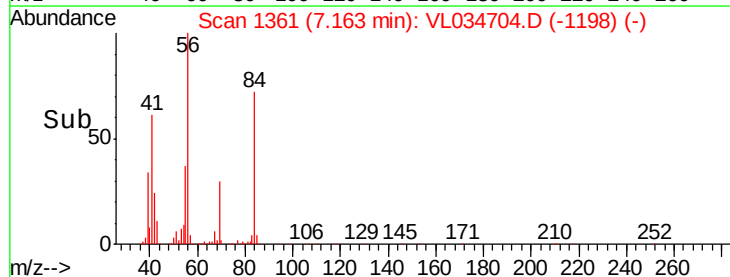
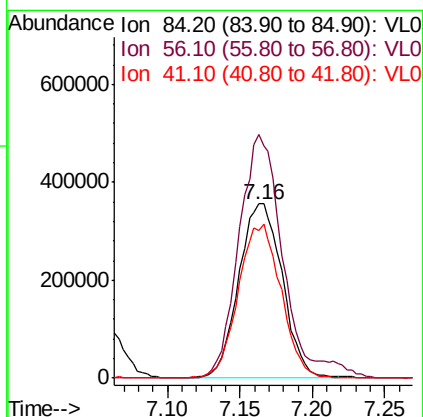
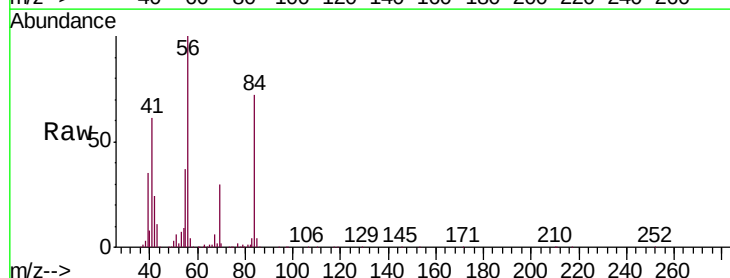
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

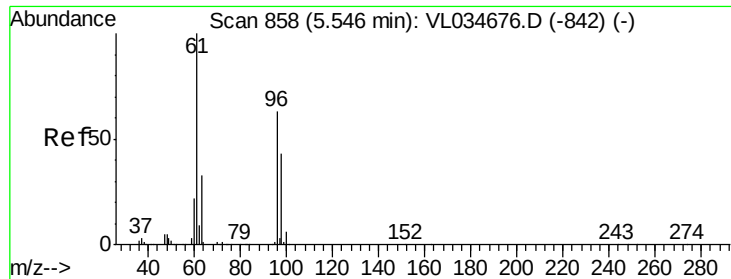
Tgt Ion: 83 Resp: 1447168
Ion Ratio Lower Upper
83 100
85 66.6 53.9 80.9



#30
Cyclohexane
Concen: 10.222 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 84 Resp: 742896
Ion Ratio Lower Upper
84 100
56 142.6 113.4 170.2
41 86.7 68.2 102.4



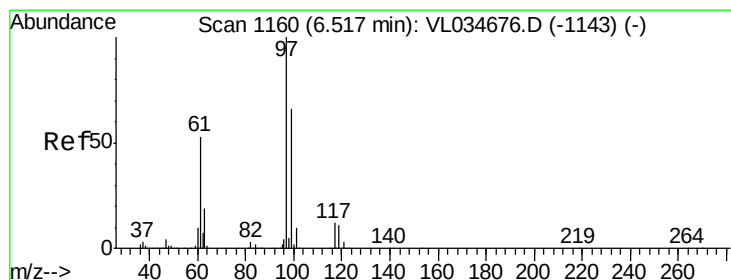
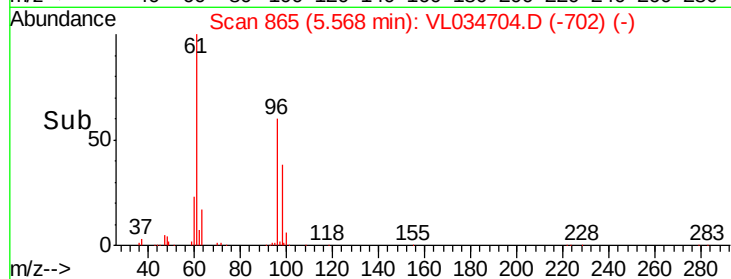
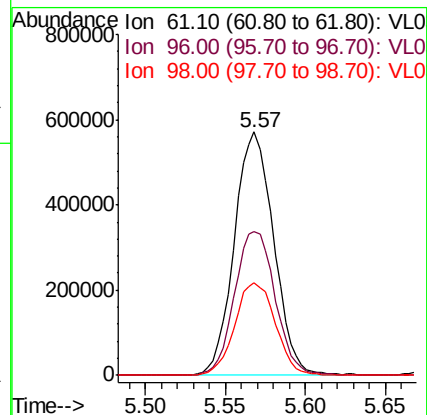
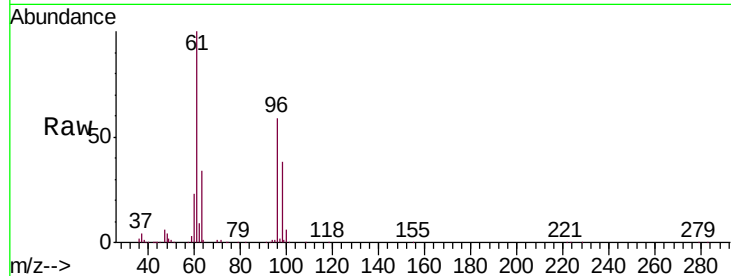


#31

cis-1,2-Dichloroethene
 Concen: 10.312 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

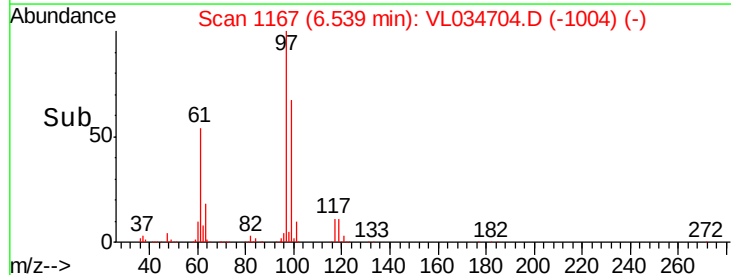
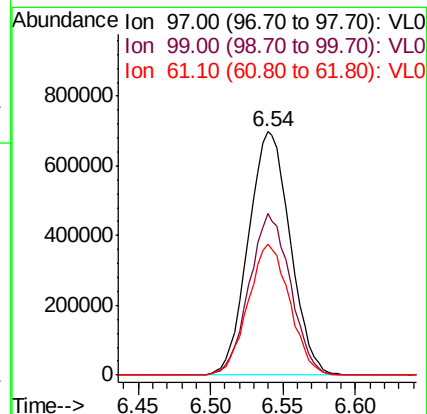
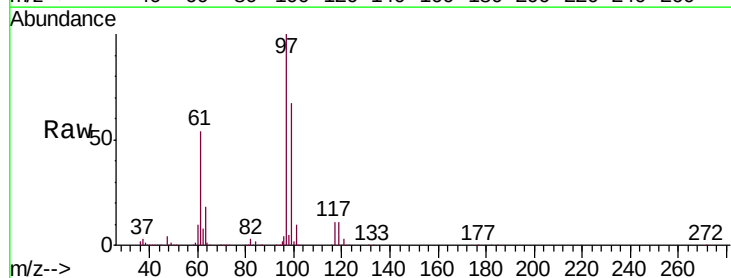
Tgt Ion: 61 Resp: 951588
 Ion Ratio Lower Upper
 61 100
 96 59.2 50.2 75.2
 98 38.1 34.3 51.5

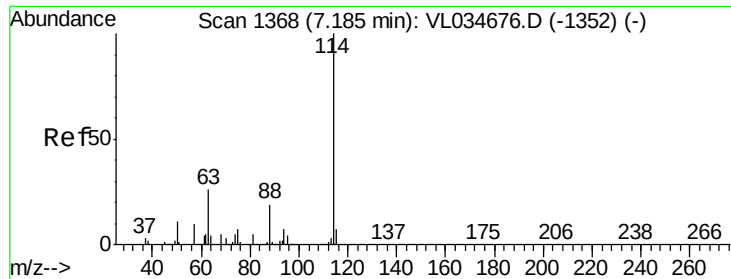


#32

1,1,1-Trichloroethane
 Concen: 10.044 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 97 Resp: 1401359
 Ion Ratio Lower Upper
 97 100
 99 65.5 52.3 78.5
 61 53.6 42.8 64.2

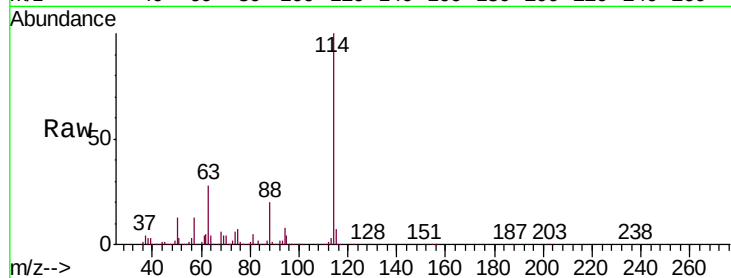




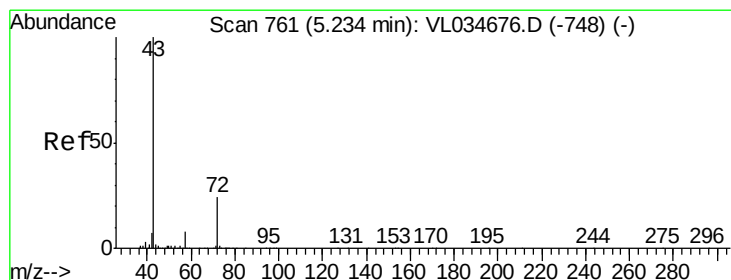
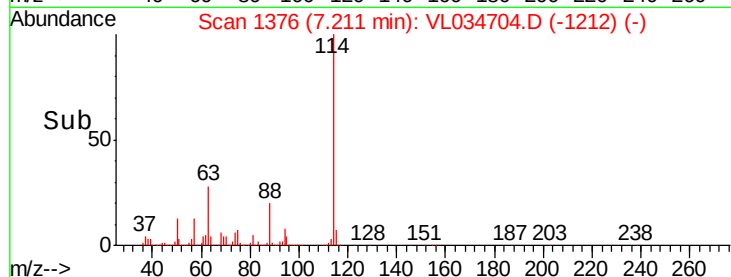
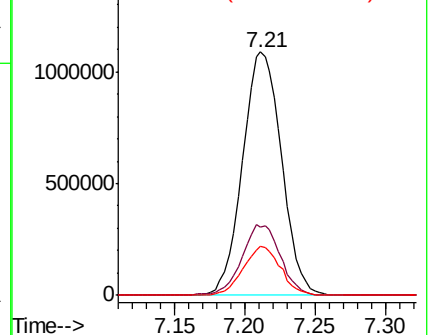
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:114 Resp: 2103984
 Ion Ratio Lower Upper
 114 100
 63 29.0 22.9 34.3
 88 19.3 15.8 23.6

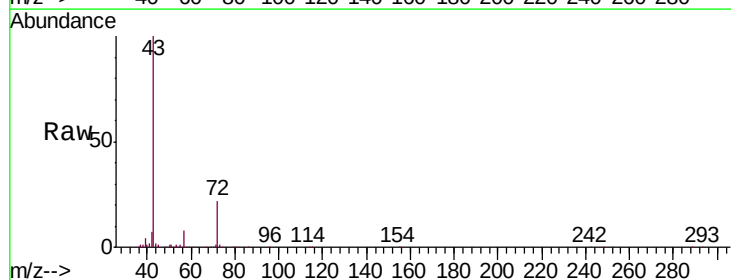


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

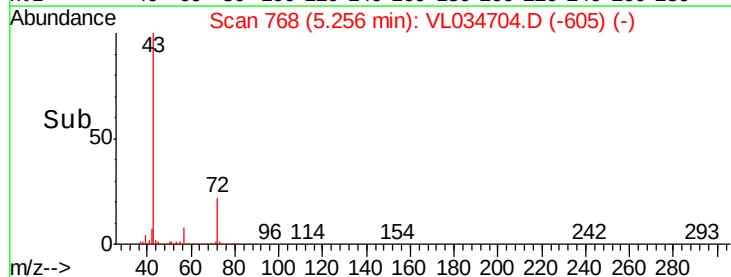
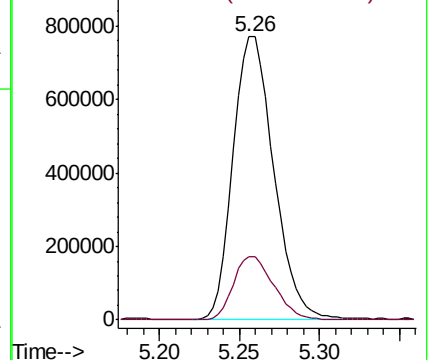


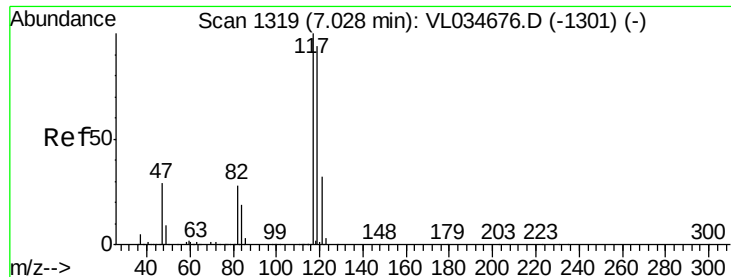
#34
 2-Butanone
 Concen: 10.065 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 43 Resp: 1332908
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.212 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

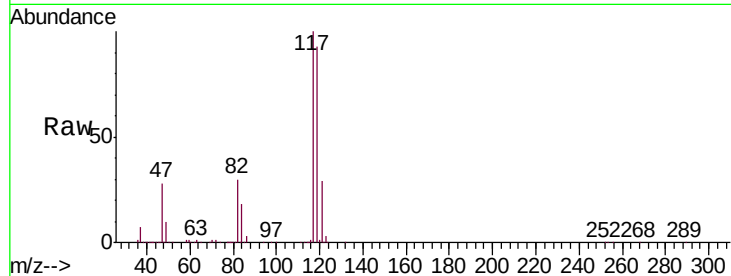
Tgt Ion:117 Resp: 1438893

Ion Ratio Lower Upper

117 100

119 93.4 75.5 113.3

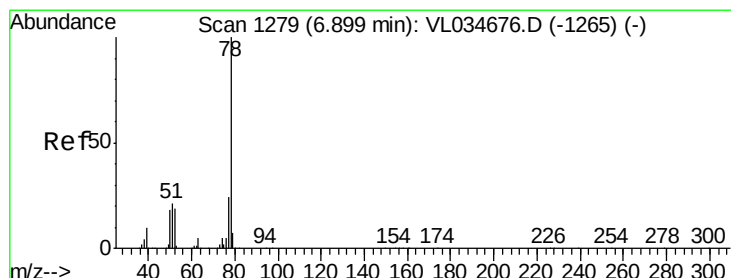
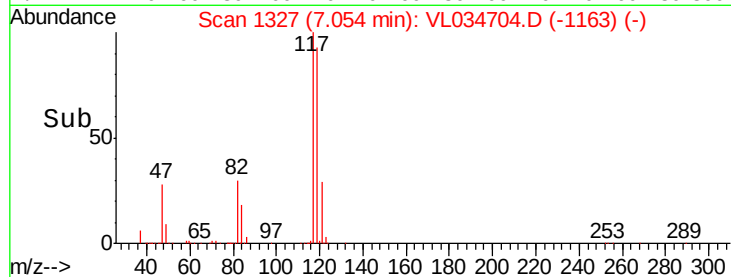
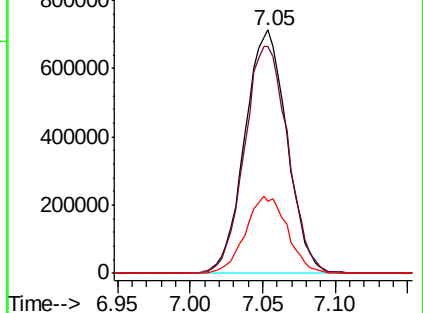
121 29.5 25.4 38.0



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: 9.975 ppbv

RT: 6.93 min Scan# 1287

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

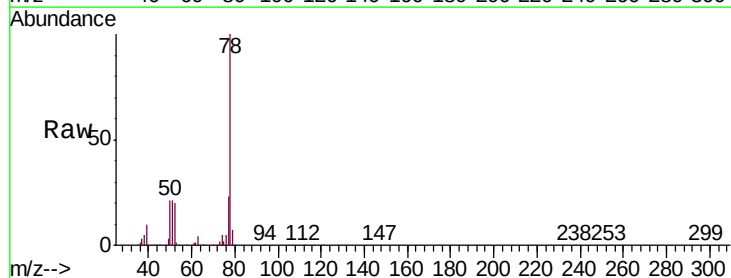
Tgt Ion: 78 Resp: 1812643

Ion Ratio Lower Upper

78 100

77 23.2 19.5 29.3

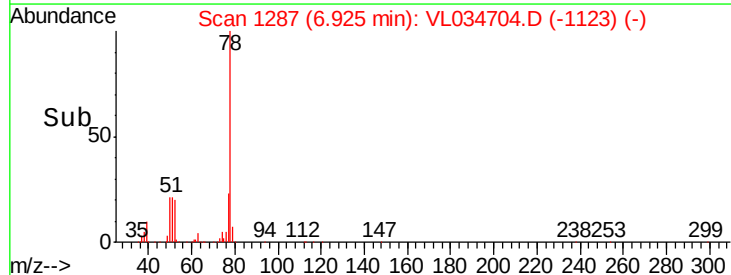
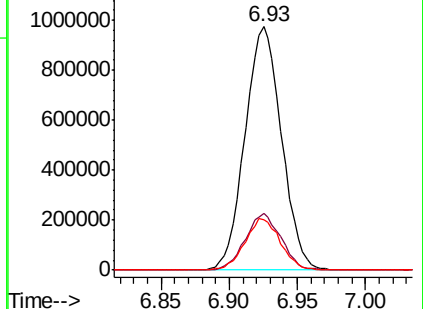
50 20.9 14.6 21.8

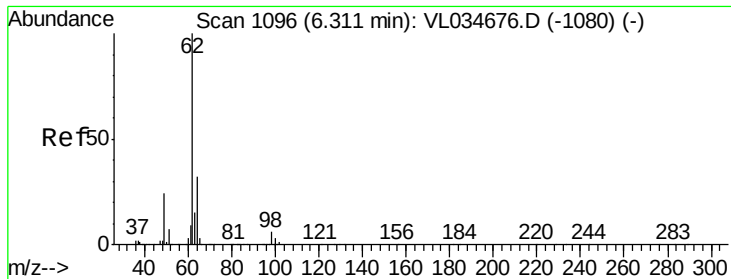


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

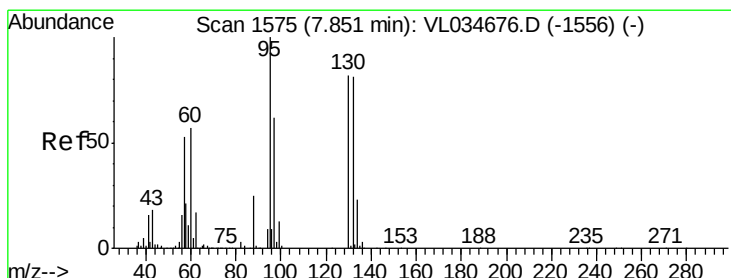
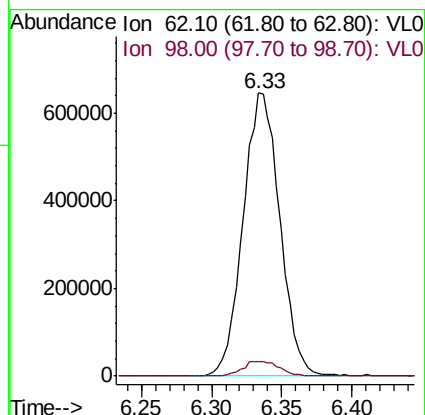
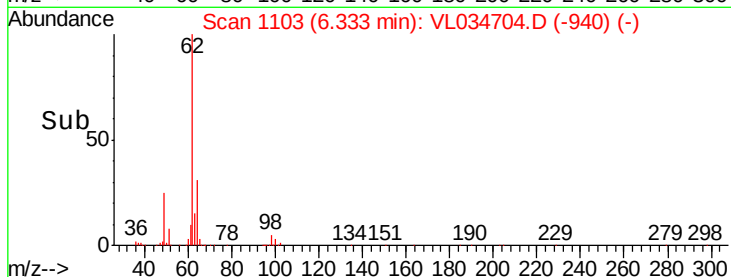
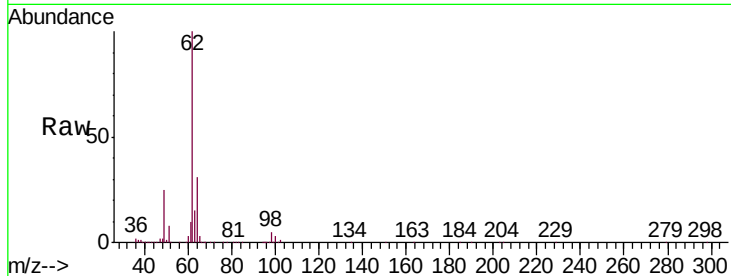




#37
 1,2-Dichloroethane
 Concen: 10.285 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

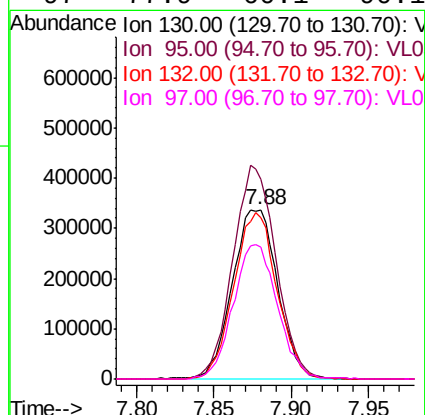
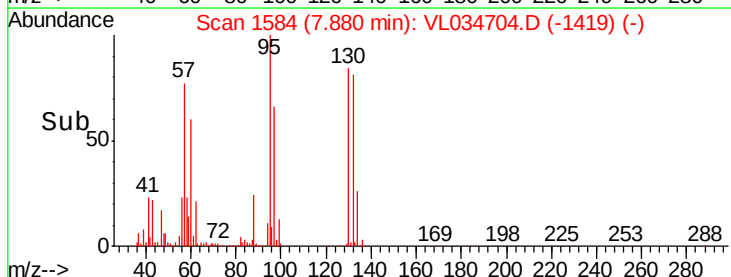
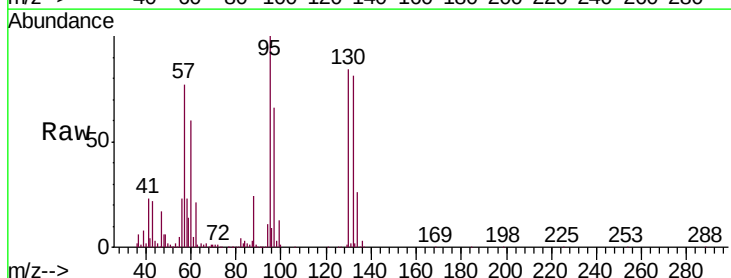
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

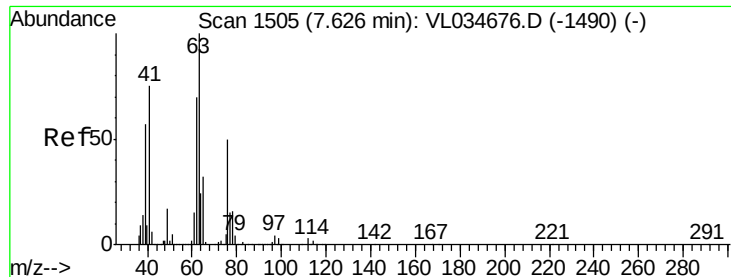
Tgt Ion: 62 Resp: 1178160
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.7 7.1



#38
 Trichloroethene
 Concen: 9.779 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 130 Resp: 684957
 Ion Ratio Lower Upper
 130 100
 95 118.0 97.1 145.7
 132 95.2 78.3 117.5
 97 77.9 60.1 90.1





#39

1,2-Dichloropropane

Concen: 10.029 ppbv

RT: 7.65 min Scan# 1513

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

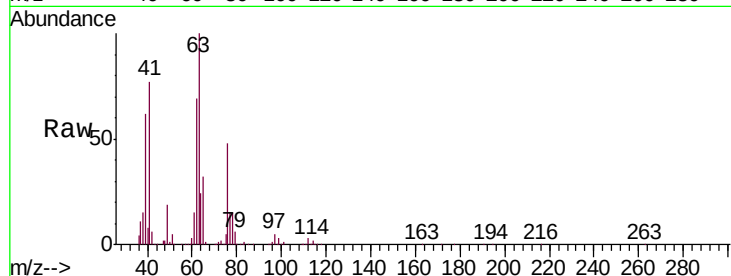
Tgt Ion: 63 Resp: 725049

Ion Ratio Lower Upper

63 100

41 77.1 60.2 90.4

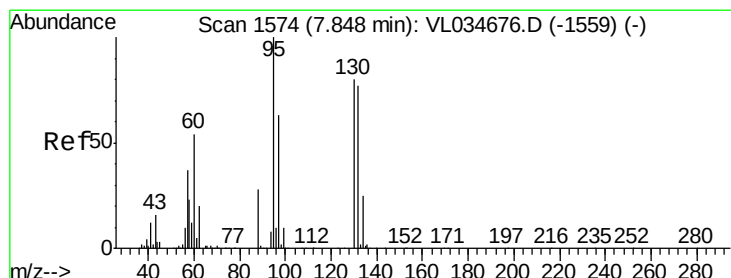
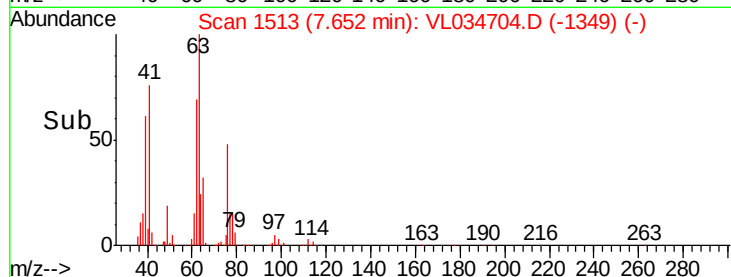
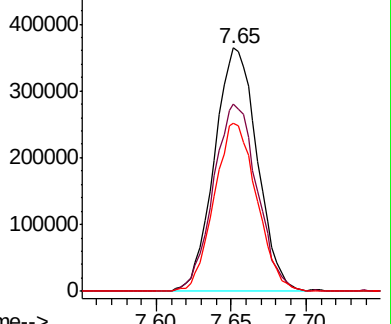
62 69.2 56.3 84.5



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: 10.788 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Tgt Ion: 88 Resp: 265226

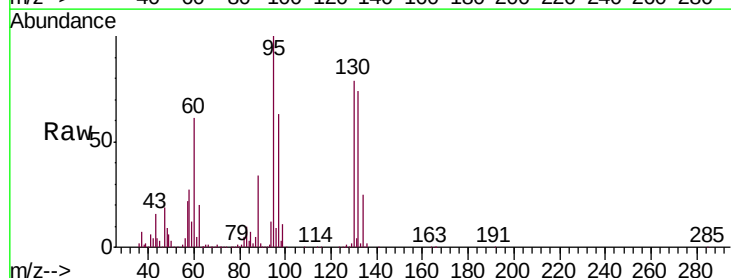
Ion Ratio Lower Upper

88 100

58 138.3 104.6 156.8

43 0.0 212.9 319.3#

57 0.0 935.2 1402.8#

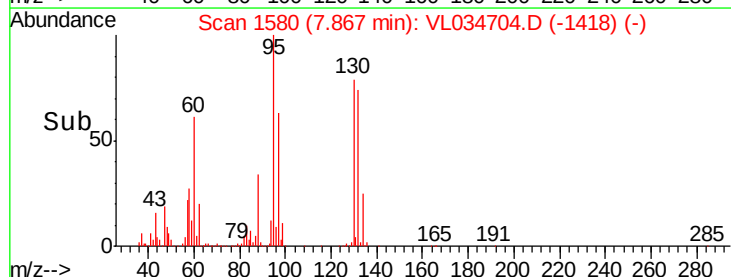
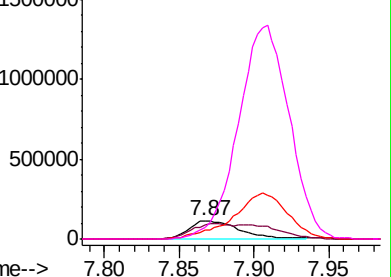


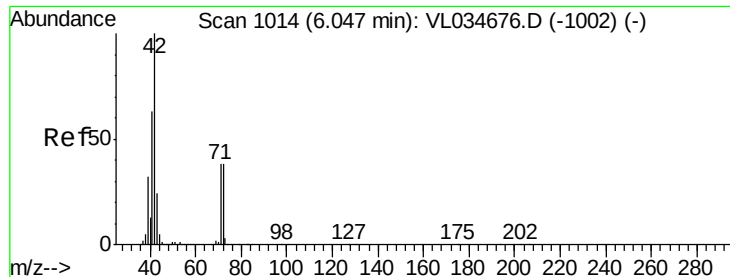
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

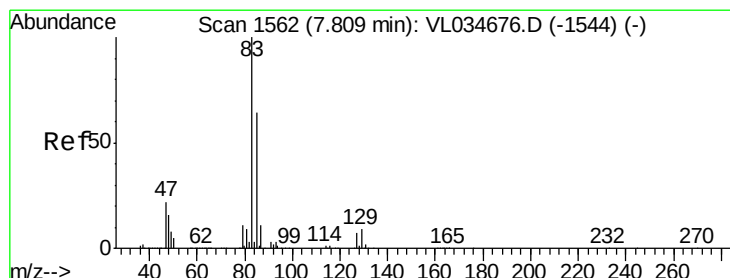
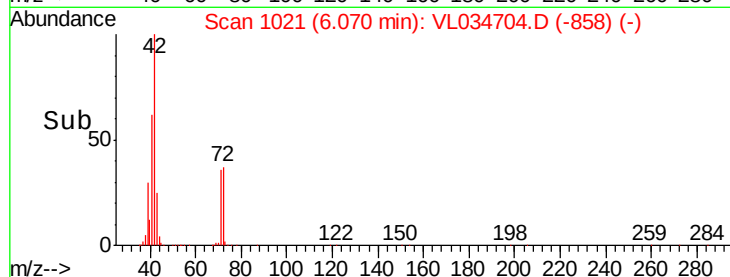
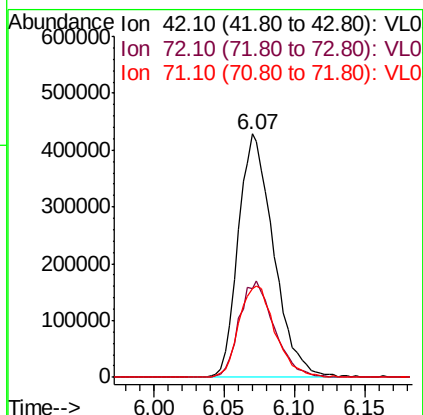
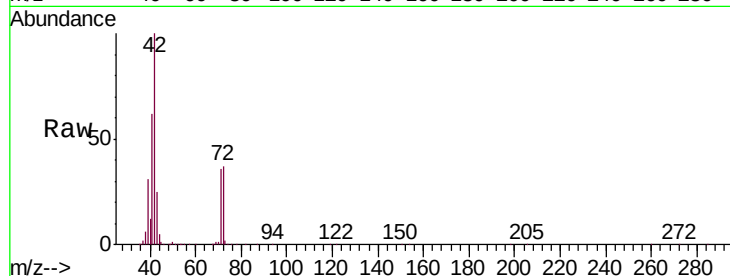




#41
Tetrahydrofuran
Concen: 10.743 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

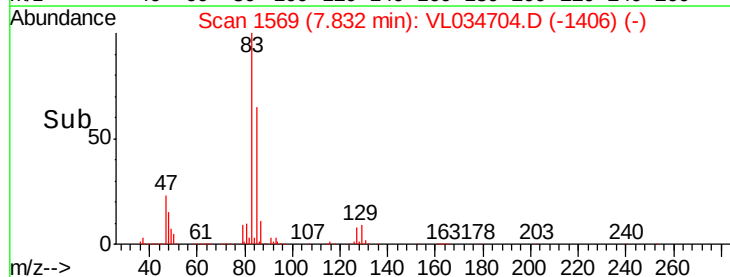
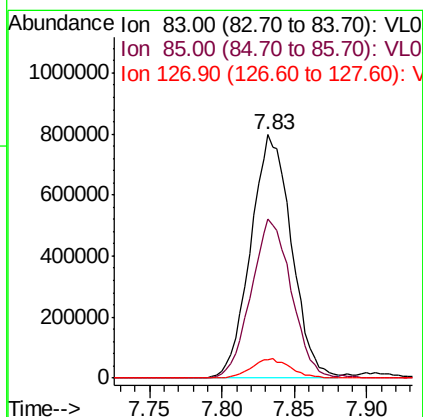
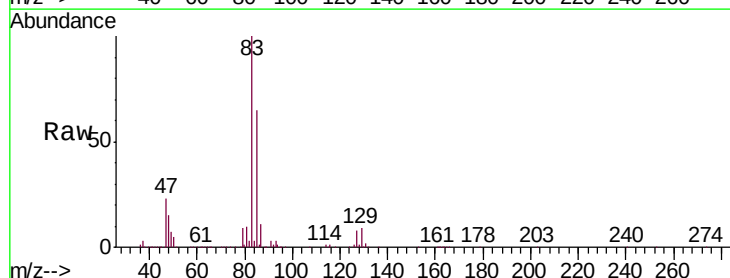
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

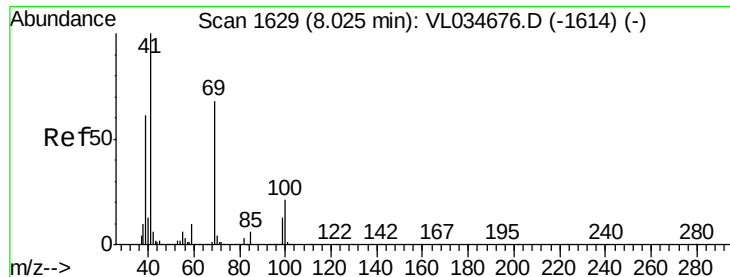
Tgt Ion: 42 Resp: 750942
Ion Ratio Lower Upper
42 100
72 39.6 31.7 47.5
71 38.6 30.7 46.1



#42
Bromodichloromethane
Concen: 10.429 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 83 Resp: 1564008
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7
127 7.7 5.8 8.8





#43

Methyl Methacrylate

Concen: 11.044 ppbv

RT: 8.05 min Scan# 1638

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

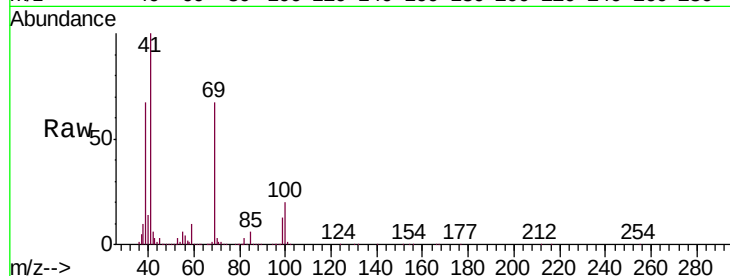
Tgt Ion: 69 Resp: 844071

Ion Ratio Lower Upper

69 100

41 147.2 118.2 177.2

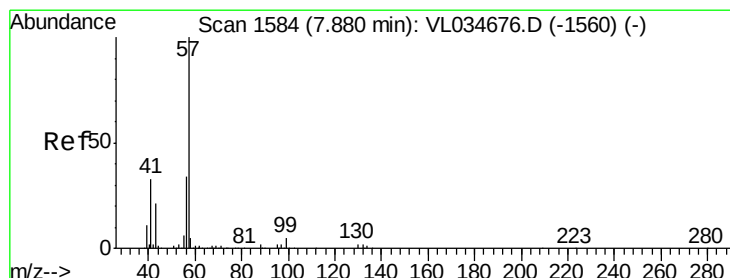
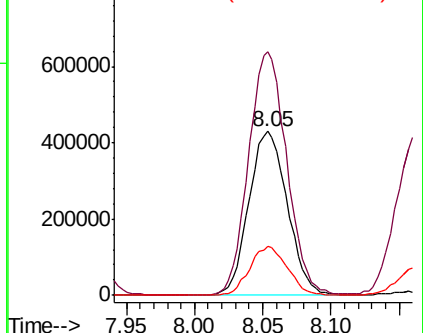
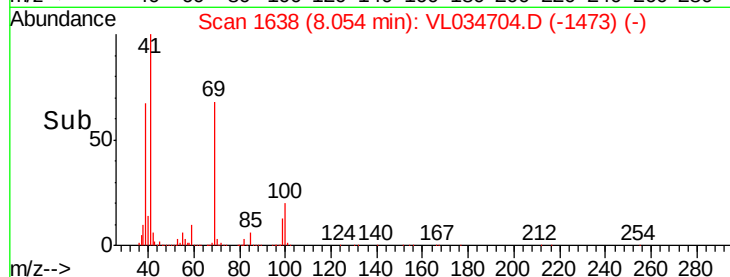
100 29.2 24.2 36.2



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 9.962 ppbv

RT: 7.91 min Scan# 1593

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

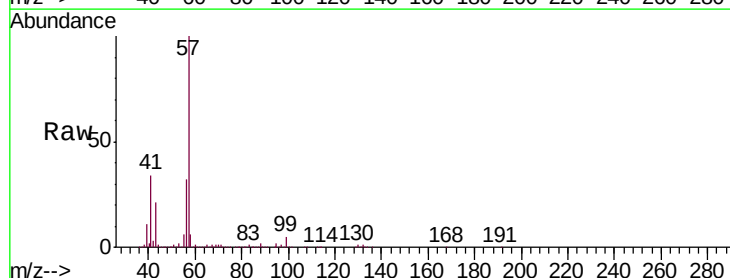
Tgt Ion: 57 Resp: 3163997

Ion Ratio Lower Upper

57 100

41 33.6 26.0 39.0

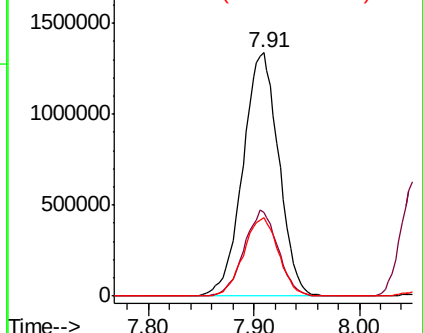
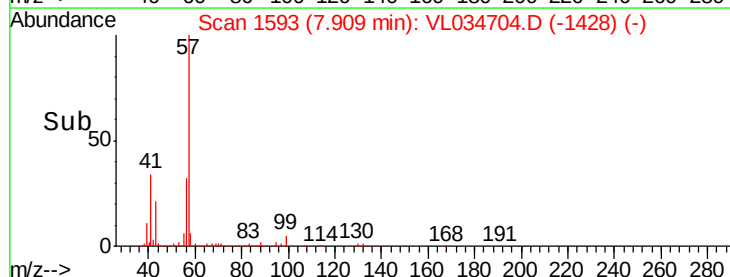
56 31.5 25.6 38.4

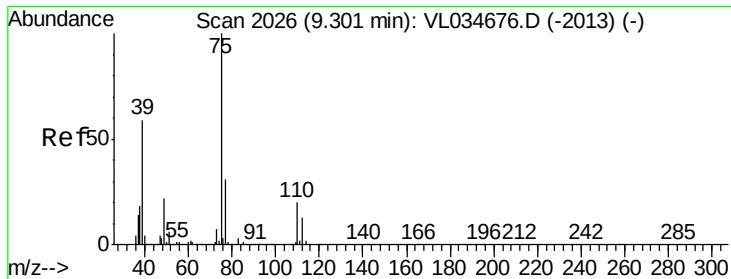


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

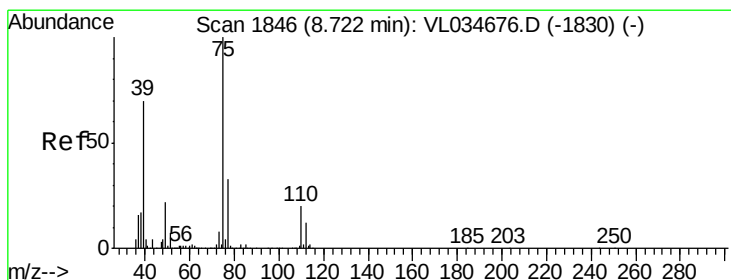
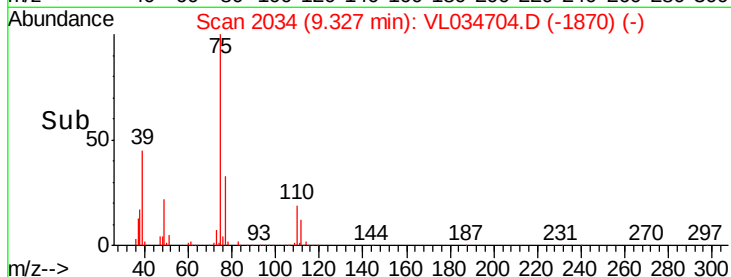
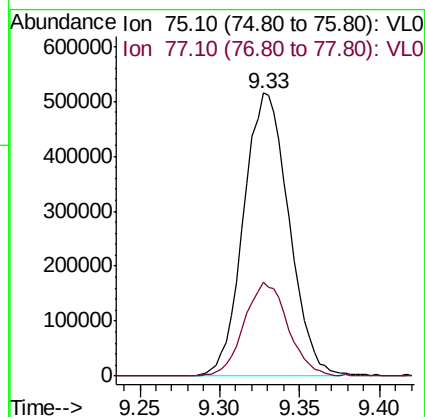
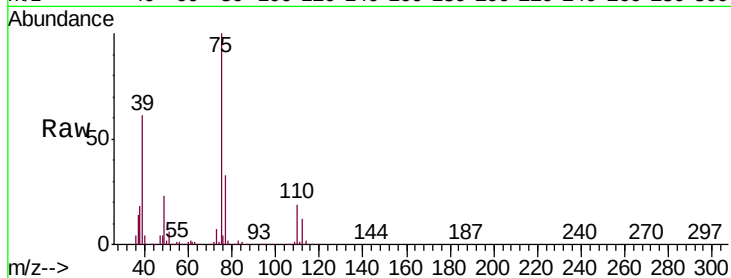




#45
t-1,3-Dichloropropene
Concen: 11.916 ppbv
RT: 9.33 min Scan# 2034
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

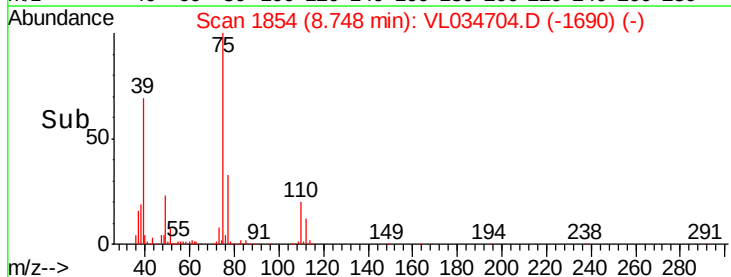
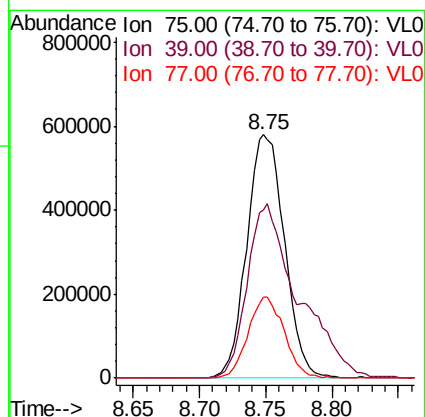
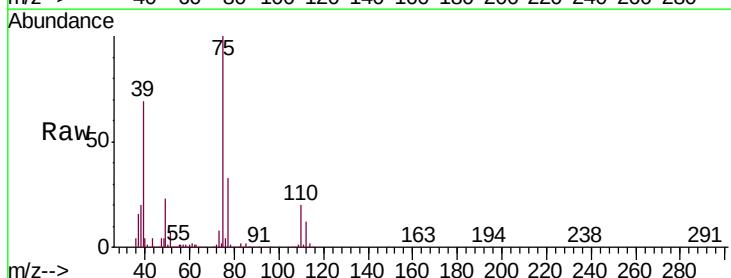
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

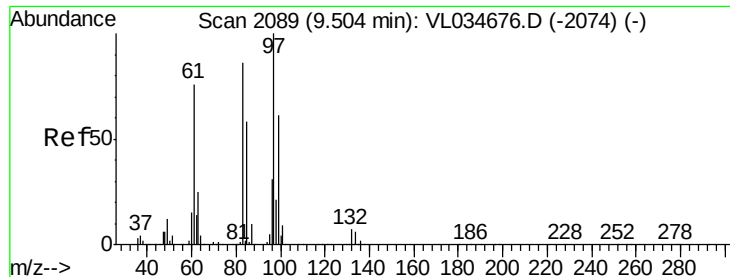
Tgt Ion: 75 Resp: 993901
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9



#46
cis-1,3-Dichloropropene
Concen: 11.479 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 75 Resp: 1148219
Ion Ratio Lower Upper
75 100
39 69.1 55.7 83.5
77 33.1 26.3 39.5

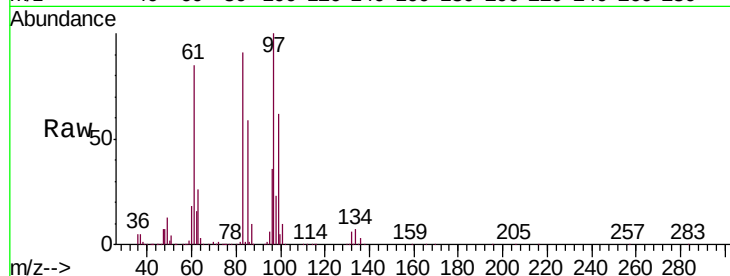




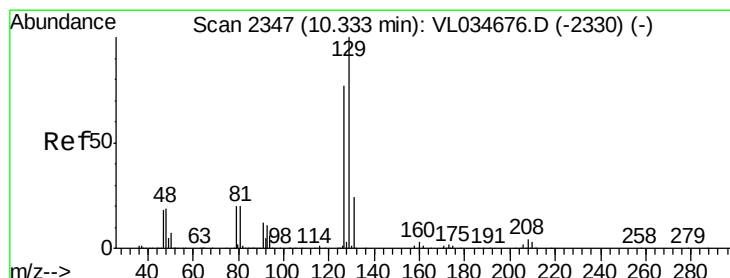
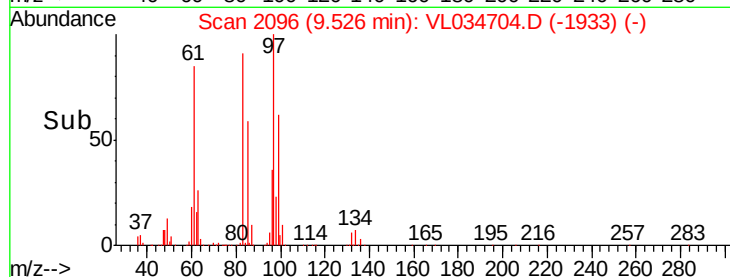
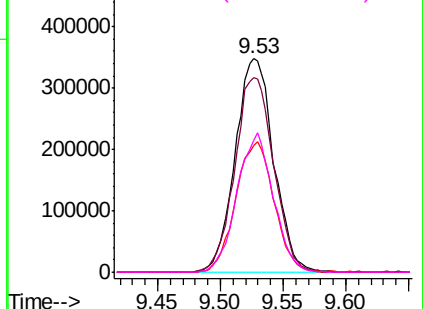
#47
 1,1,2-Trichloroethane
 Concen: 10.009 ppbv
 RT: 9.53 min Scan# 2096
 Delta R.T. 0.02 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 742389
 Ion Ratio Lower Upper
 97 100
 83 91.0 69.4 104.0
 85 59.0 46.4 69.6
 99 61.6 48.4 72.6

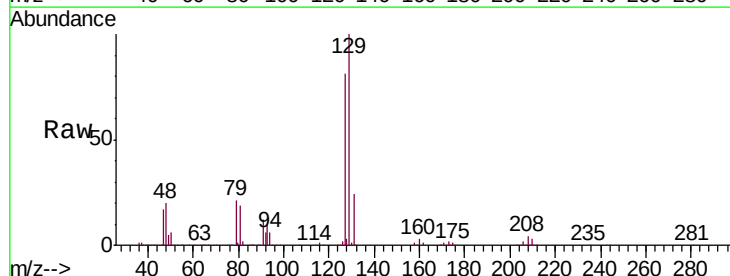


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

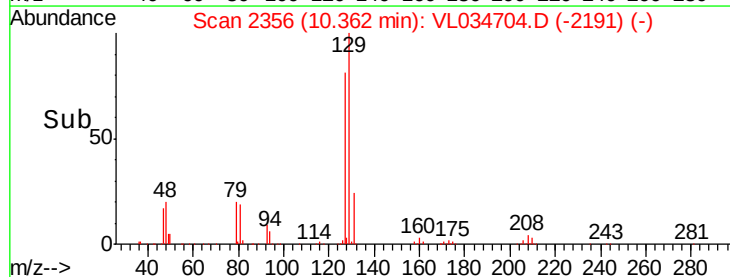
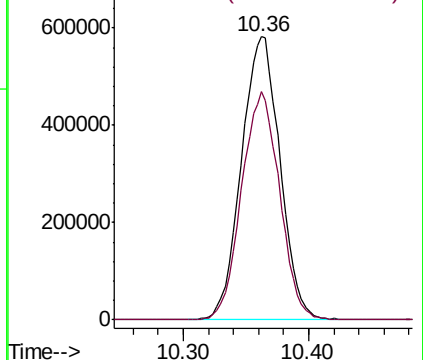


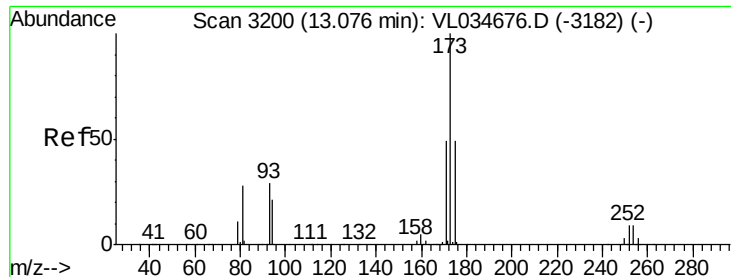
#48
 Dibromochloromethane
 Concen: 10.790 ppbv
 RT: 10.36 min Scan# 2356
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 129 Resp: 1244423
 Ion Ratio Lower Upper
 129 100
 127 79.5 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.003 ppbv

RT: 13.10 min Scan# 3209

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

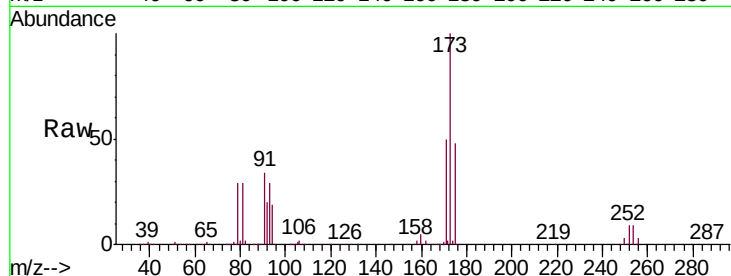
Tgt Ion:173 Resp: 1100313

Ion Ratio Lower Upper

173 100

175 49.7 38.6 58.0

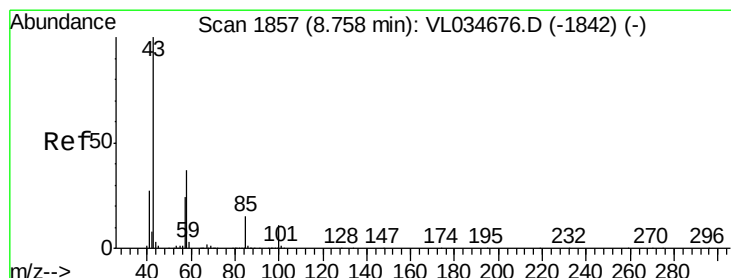
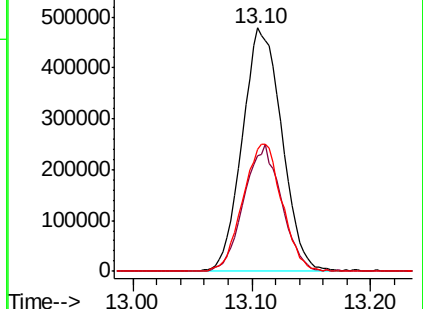
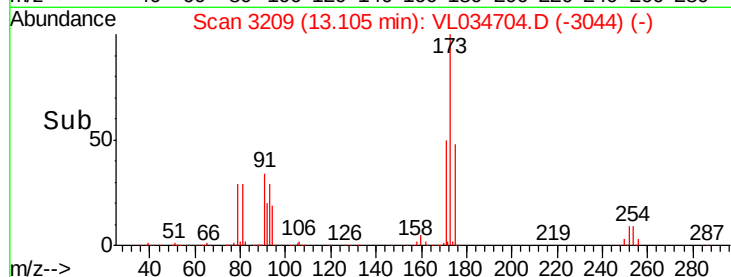
171 51.9 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.669 ppbv

RT: 8.78 min Scan# 1865

Delta R.T. 0.03 min

Lab File: VL034704.D

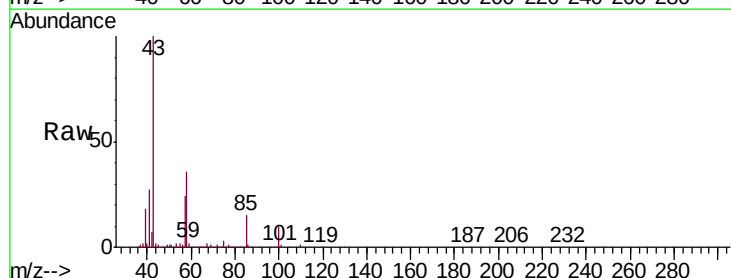
Acq: 27 Feb 2020 10:21

Tgt Ion: 43 Resp: 2001277

Ion Ratio Lower Upper

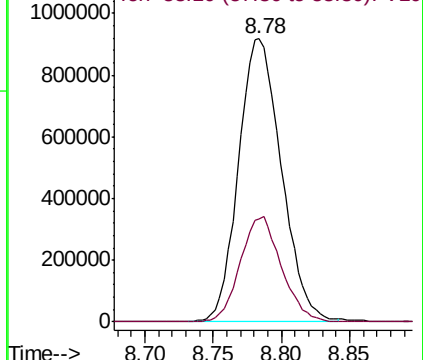
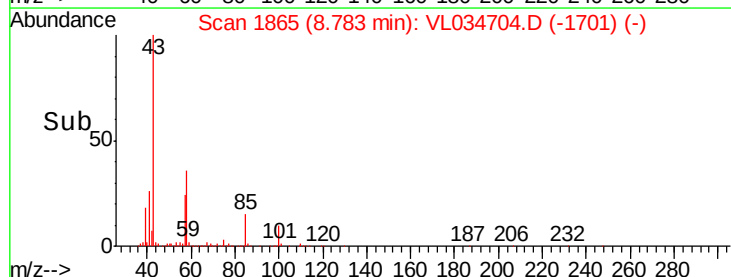
43 100

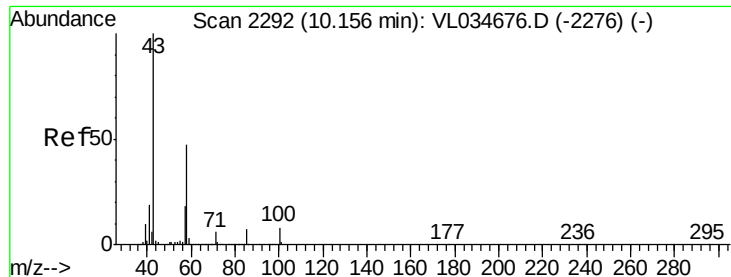
58 35.8 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

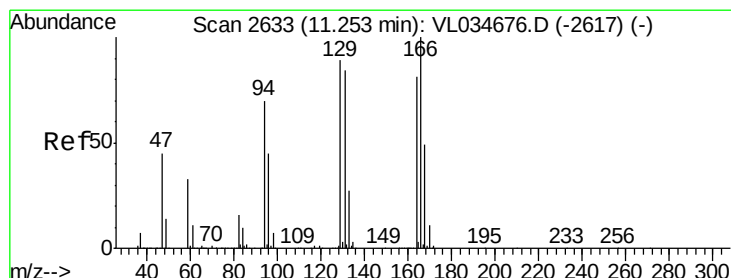
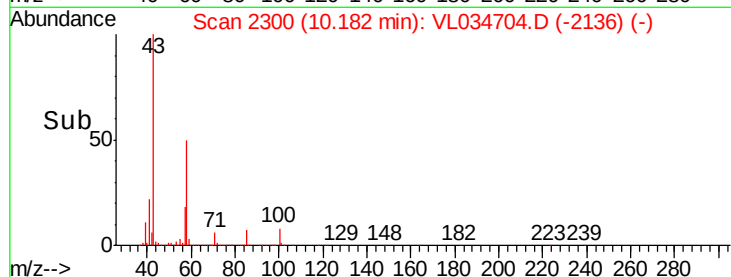
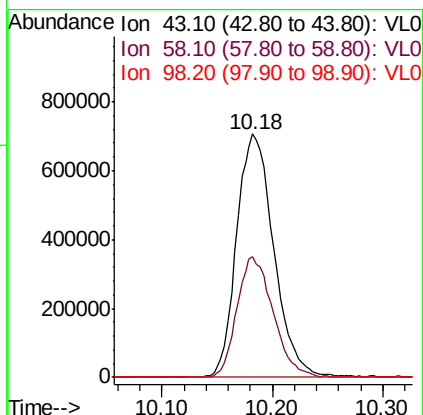
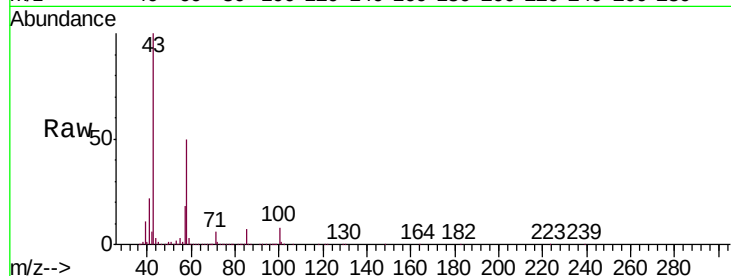




#51
2-Hexanone
Concen: 11.174 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

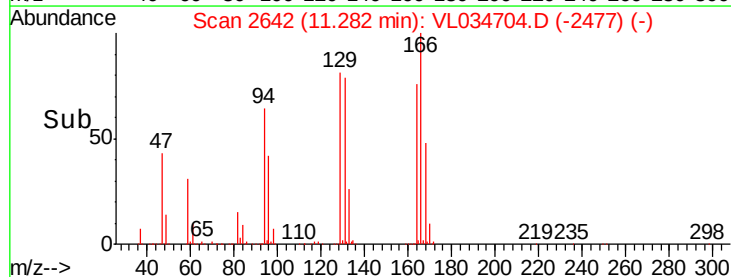
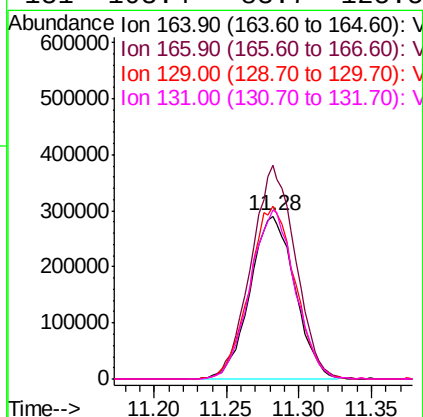
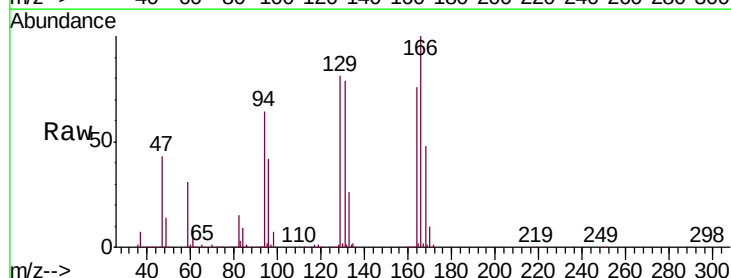
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

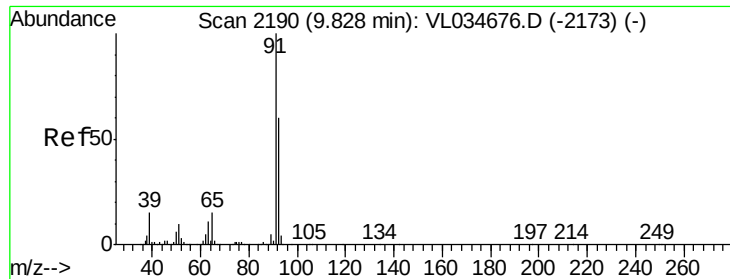
Tgt Ion: 43 Resp: 1649440
Ion Ratio Lower Upper
43 100
58 48.6 39.4 59.0
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.392 ppbv
RT: 11.28 min Scan# 2642
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 164 Resp: 625599
Ion Ratio Lower Upper
164 100
166 131.0 99.2 148.8
129 106.3 88.0 132.0
131 103.4 83.7 125.5





#53

Toluene

Concen: 10.674 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

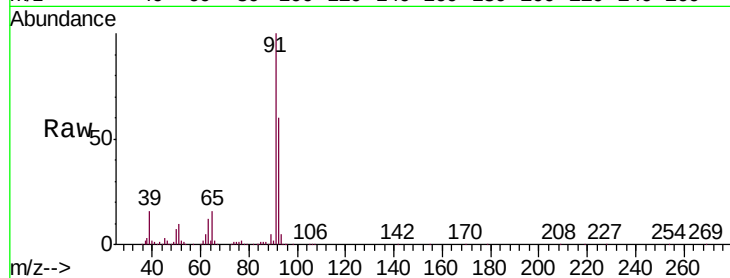
VSTDCCC010

Tgt Ion: 91 Resp: 2063088

Ion Ratio Lower Upper

91 100

92 61.1 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.86

1000000

800000

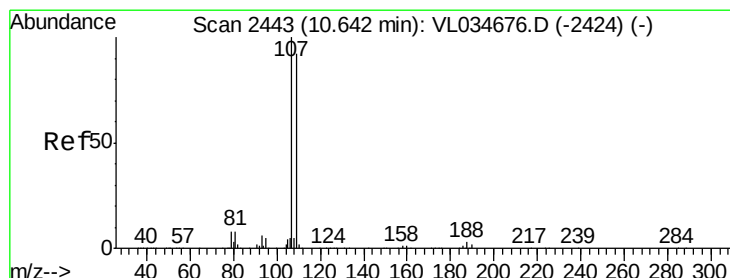
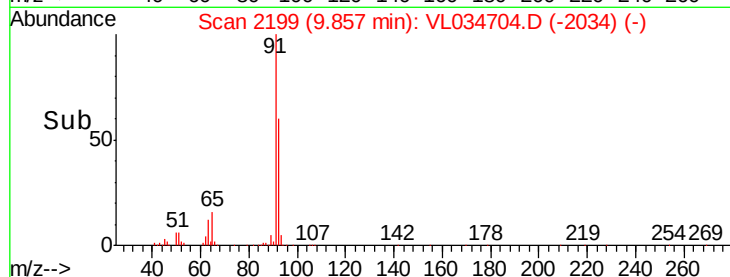
600000

400000

200000

0

Time--> 9.75 9.80 9.85 9.90 9.95



#54

1,2-Dibromoethane

Concen: 10.392 ppbv

RT: 10.67 min Scan# 2452

Delta R.T. 0.03 min

Lab File: VL034704.D

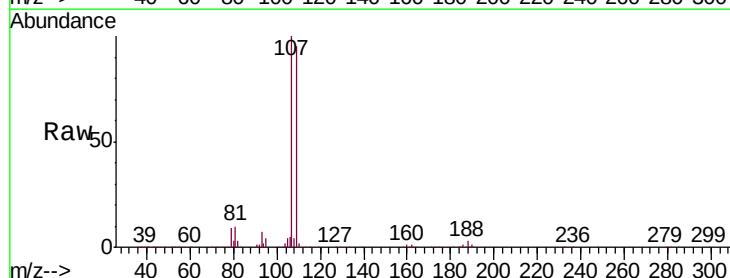
Acq: 27 Feb 2020 10:21

Tgt Ion: 107 Resp: 1149889

Ion Ratio Lower Upper

107 100

109 95.3 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.67

600000

500000

400000

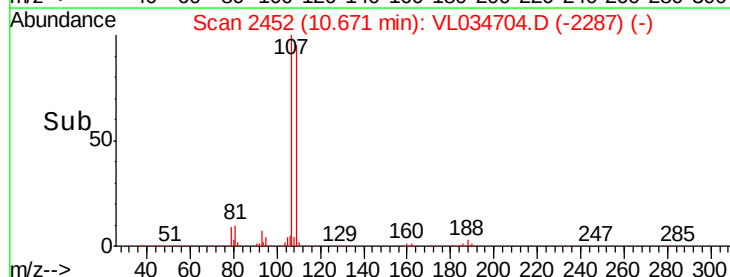
300000

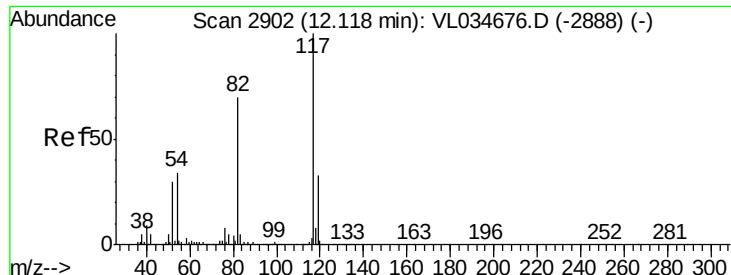
200000

100000

0

Time--> 10.60 10.70

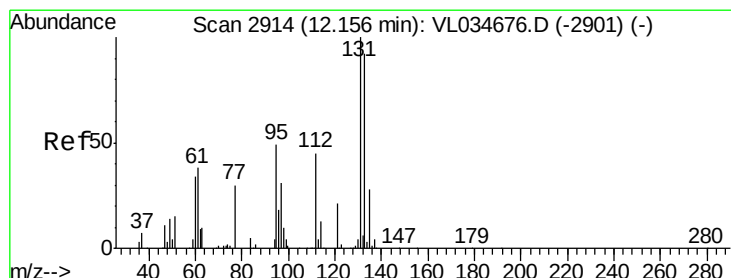
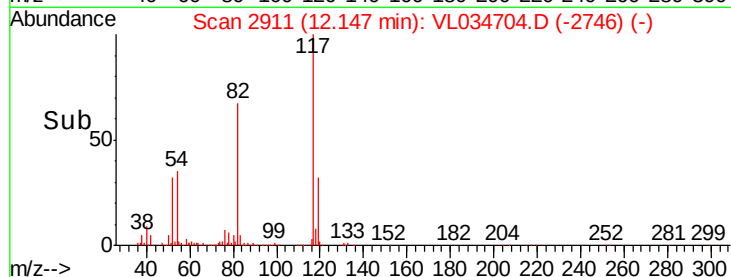
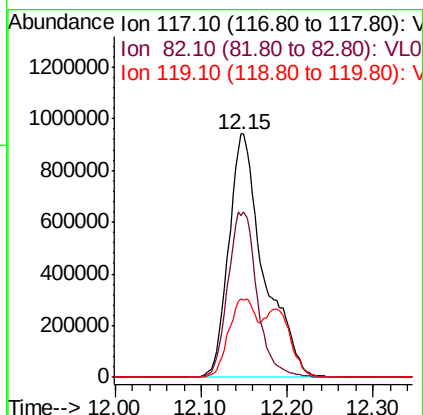
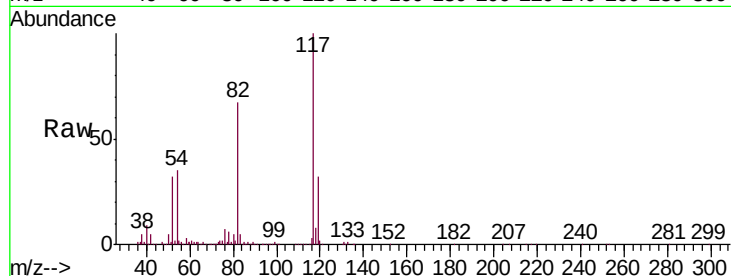




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

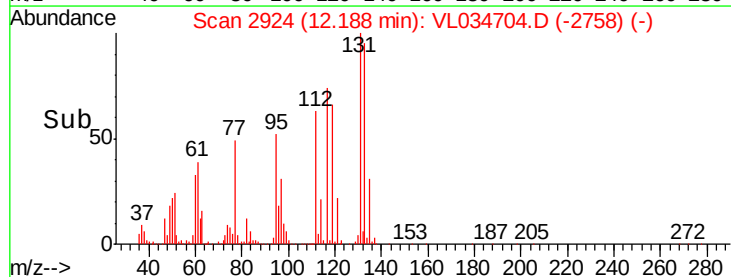
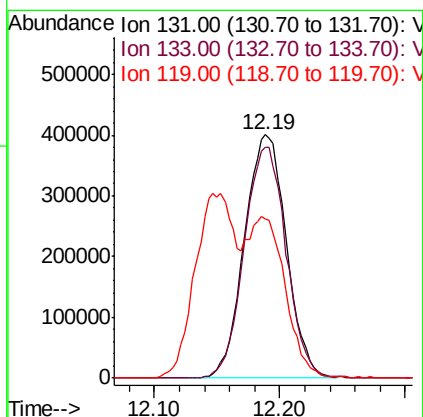
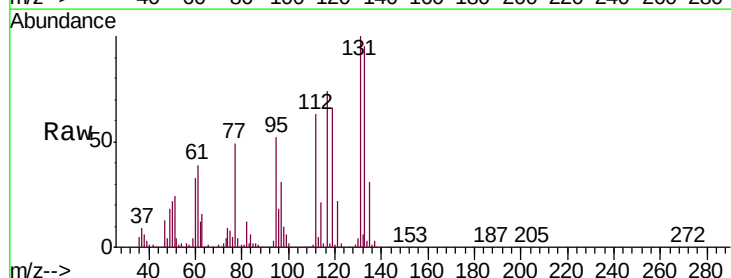
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

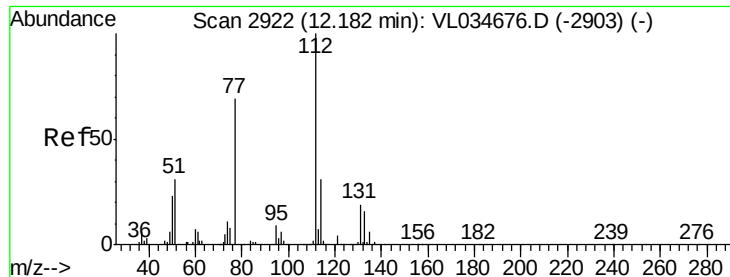
Tgt Ion:117 Resp: 2662675
Ion Ratio Lower Upper
117 100
82 56.9 54.1 81.1
119 25.9 27.6 41.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.210 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion:131 Resp: 931009
Ion Ratio Lower Upper
131 100
133 95.0 76.6 114.8
119 51.2 51.3 76.9#





#57

Chlorobenzene

Concen: 7.789 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

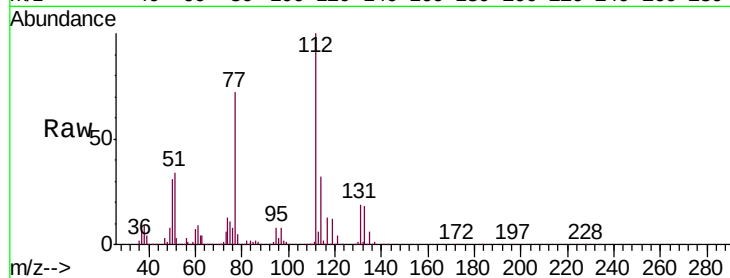
Tgt Ion: 112 Resp: 1532842

Ion Ratio Lower Upper

112 100

77 70.9 56.5 84.7

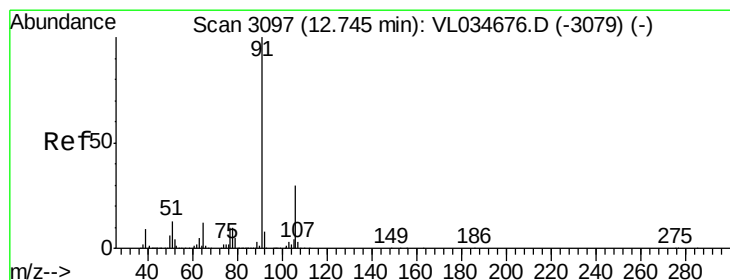
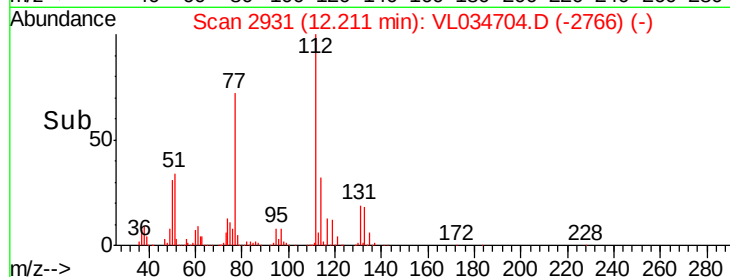
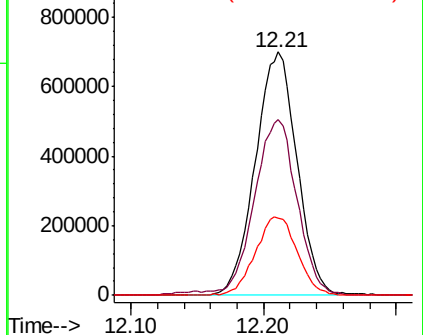
114 31.7 28.1 34.3



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: 8.602 ppbv

RT: 12.77 min Scan# 3106

Delta R.T. 0.03 min

Lab File: VL034704.D

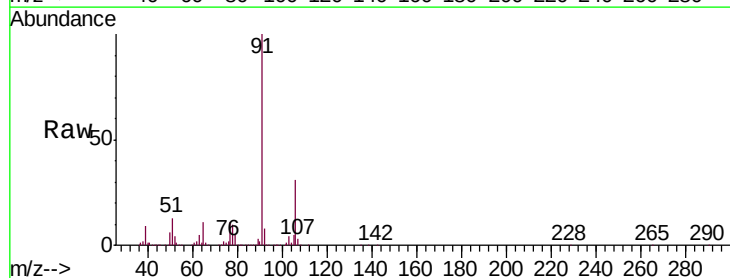
Acq: 27 Feb 2020 10:21

Tgt Ion: 91 Resp: 2771230

Ion Ratio Lower Upper

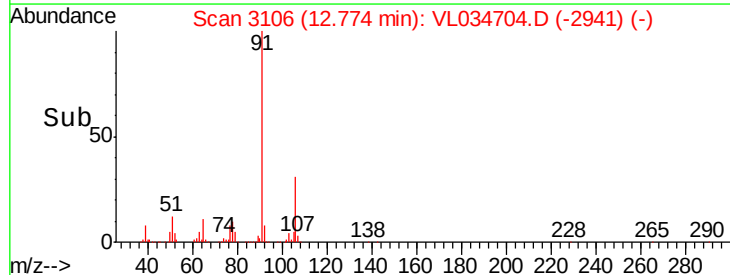
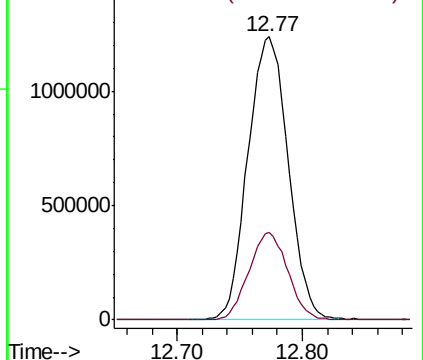
91 100

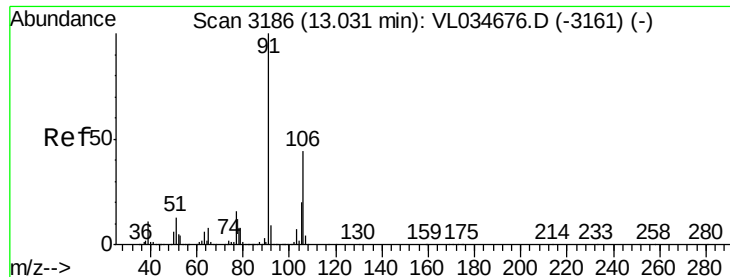
106 30.8 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

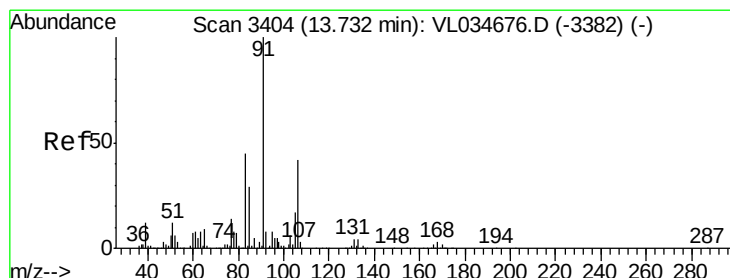
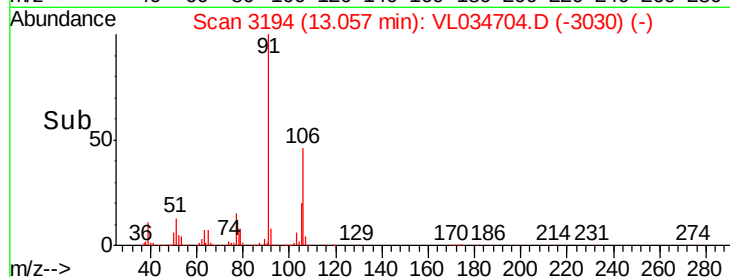
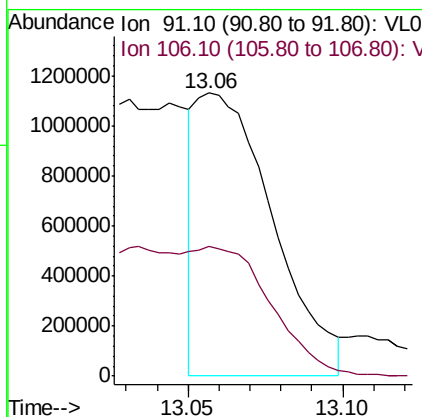
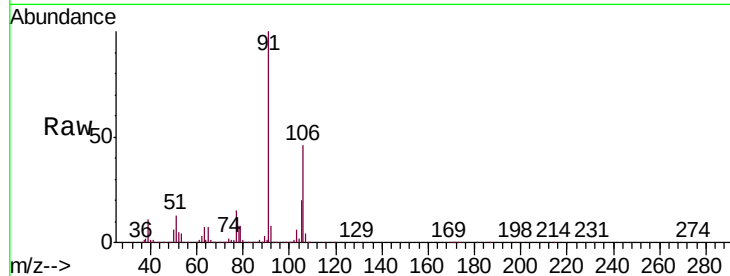




#59
m/p-Xylene
Concen: 6.878 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

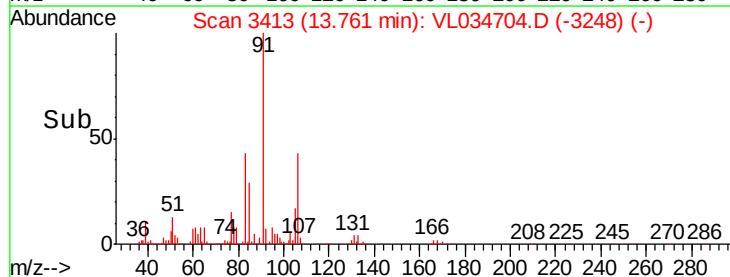
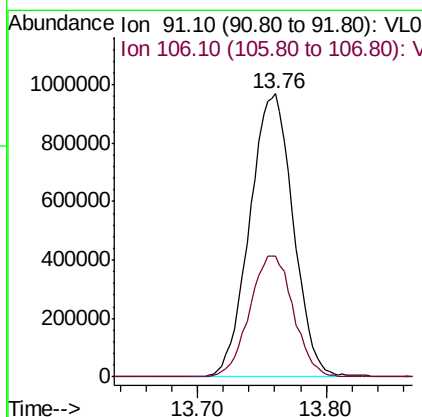
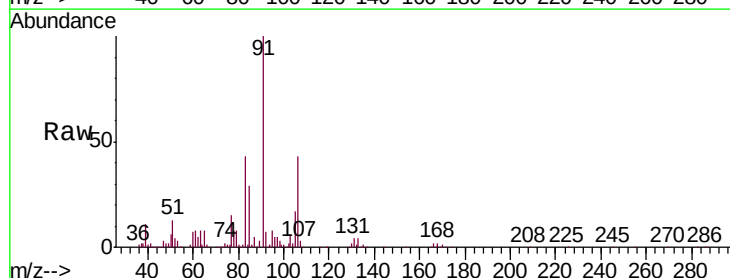
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

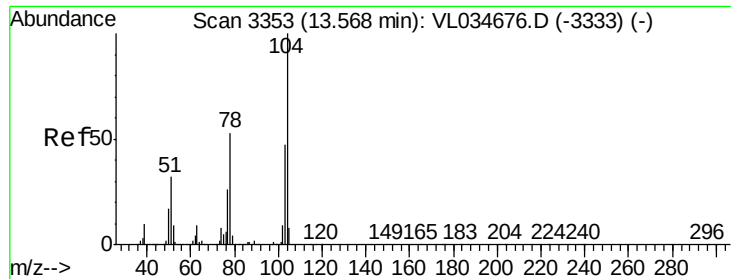
Tgt Ion: 91 Resp: 1932581
Ion Ratio Lower Upper
91 100
106 0.0 35.6 53.4#



#60
o-Xylene
Concen: 8.128 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion: 91 Resp: 2266282
Ion Ratio Lower Upper
91 100
106 43.4 21.9 65.5

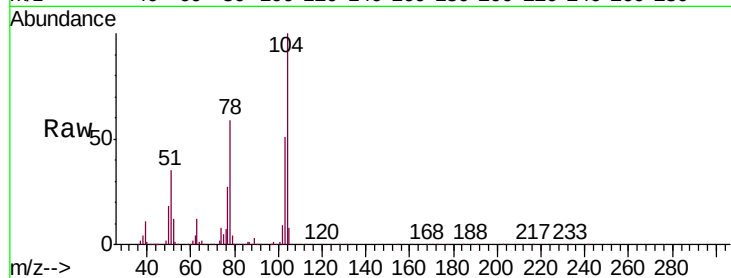




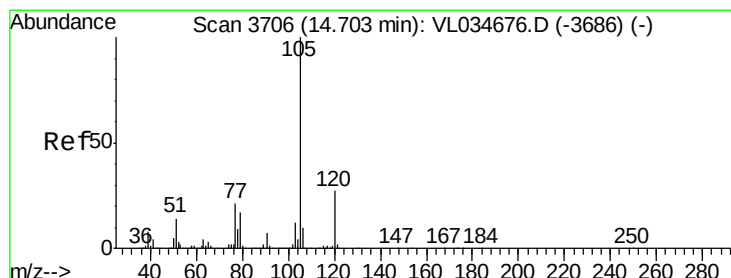
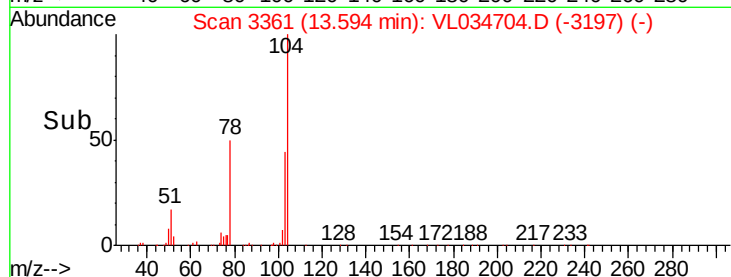
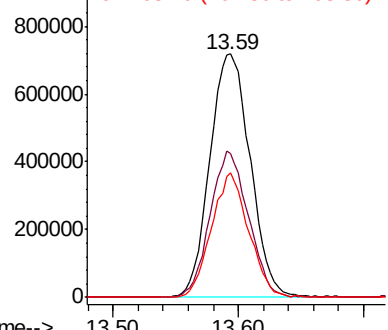
#61
Styrene
Concen: 8.972 ppbv
RT: 13.59 min Scan# 3361
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 1606868
Ion Ratio Lower Upper
104 100
78 57.2 44.2 66.4
103 47.4 37.4 56.0

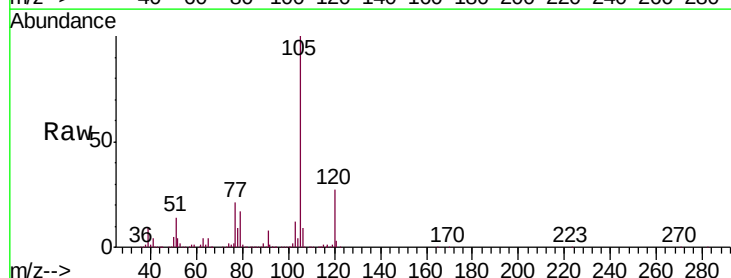


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

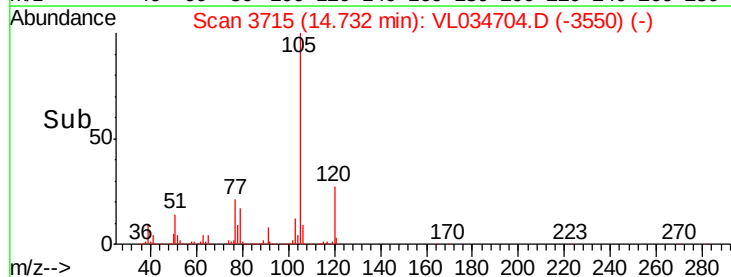
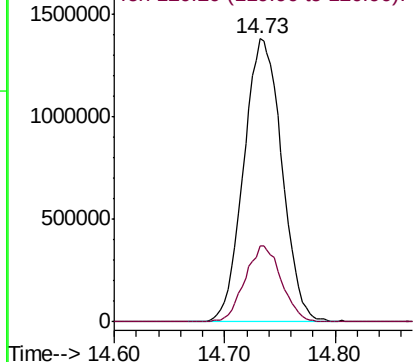


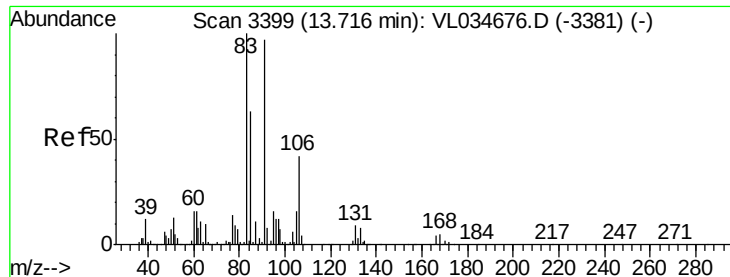
#62
Isopropylbenzene
Concen: 8.110 ppbv
RT: 14.73 min Scan# 3715
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion:105 Resp: 3298593
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.4



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

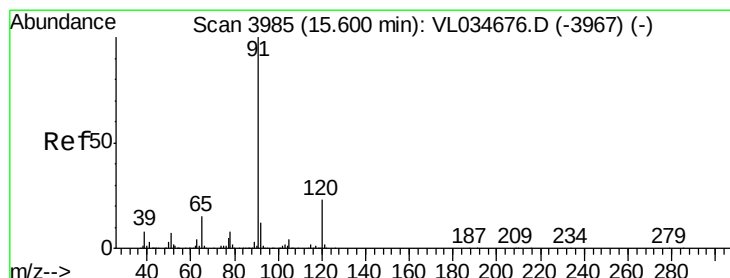
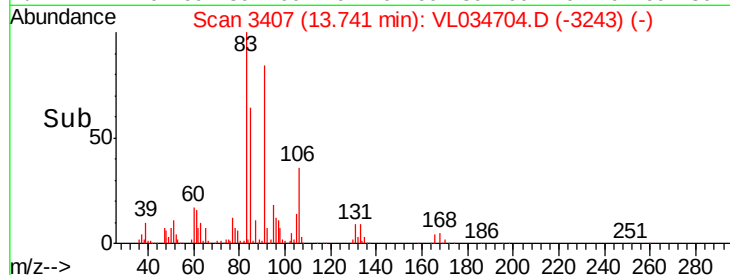
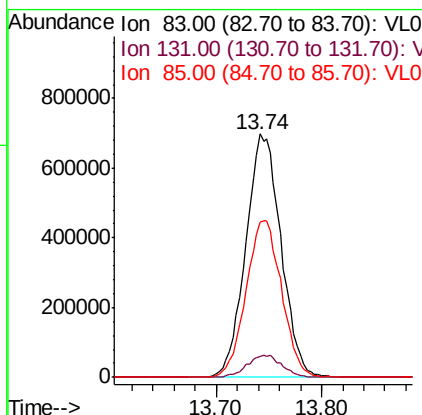
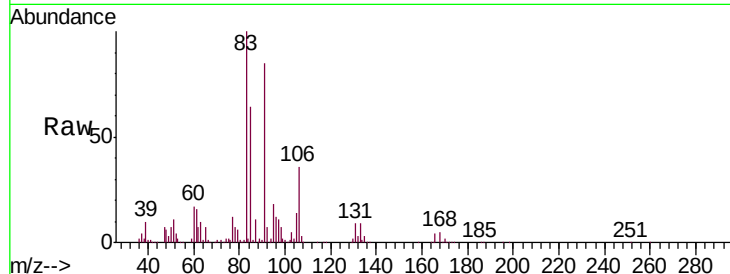




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.461 ppbv
 RT: 13.74 min Scan# 3407
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

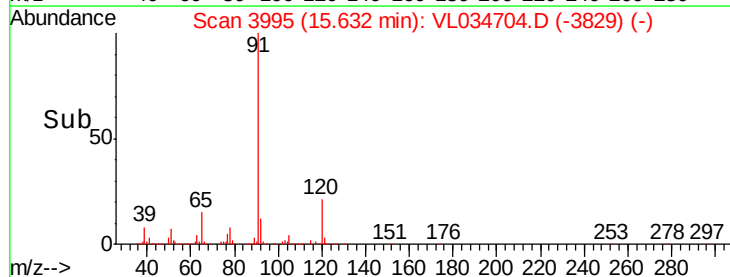
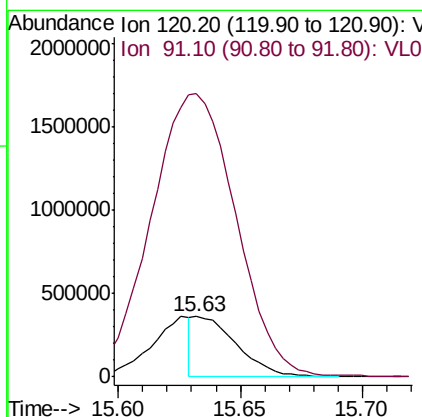
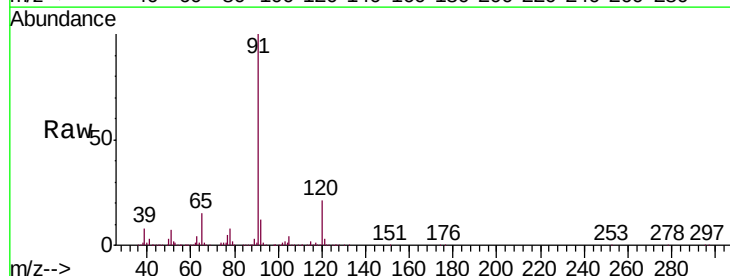
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

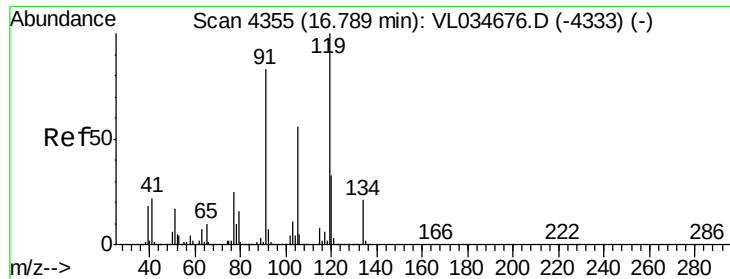
Tgt Ion: 83 Resp: 1621349
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.4 13.2
 85 65.4 32.5 97.5



#64
 n-propylbenzene
 Concen: 4.191 ppbv
 RT: 15.63 min Scan# 3995
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 120 Resp: 439407
 Ion Ratio Lower Upper
 120 100
 91 938.6 369.8 554.8#

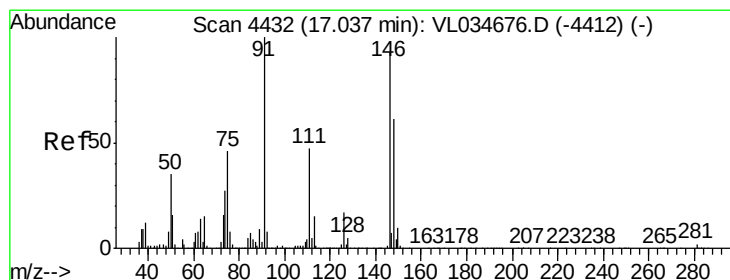
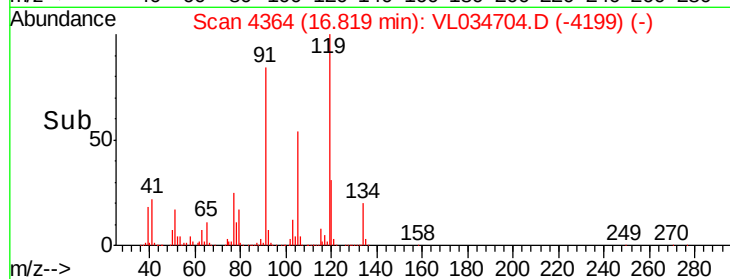
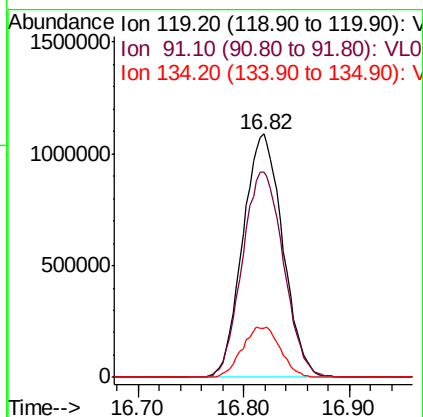
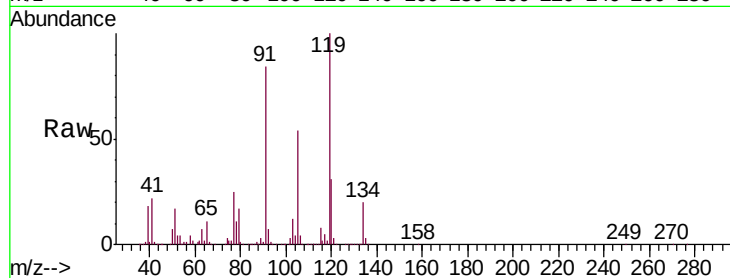




#65
 tert-Butylbenzene
 Concen: 8.161 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

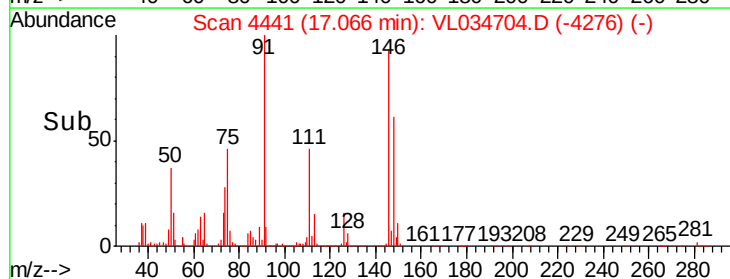
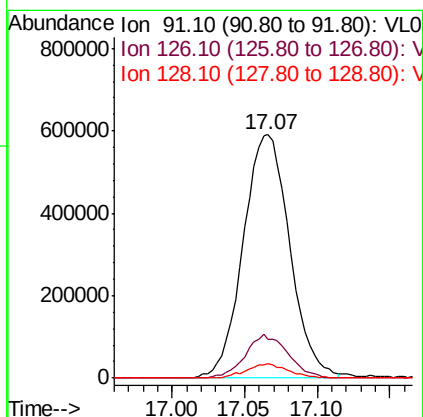
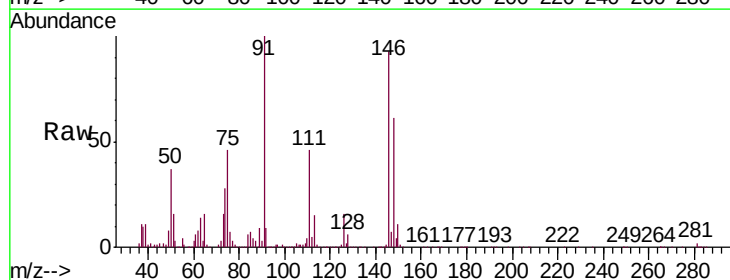
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

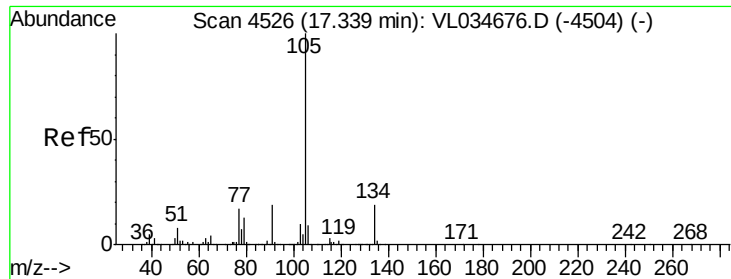
Tgt Ion: 119 Resp: 2866069
 Ion Ratio Lower Upper
 119 100
 91 87.4 69.1 103.7
 134 20.0 15.8 23.8



#66
 Benzyl Chloride
 Concen: 10.012 ppbv
 RT: 17.07 min Scan# 4441
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 91 Resp: 1311611
 Ion Ratio Lower Upper
 91 100
 126 16.6 13.5 20.3
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 8.079 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

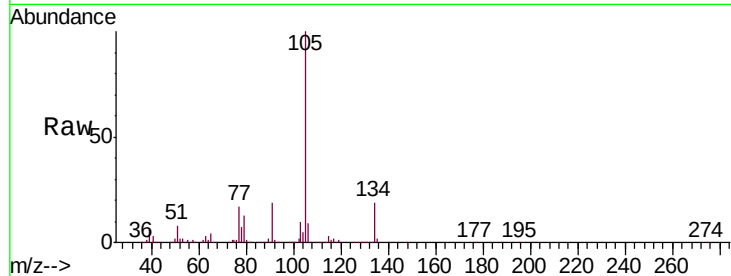
VSTDCCC010

Tgt Ion:105 Resp: 4082689

Ion Ratio Lower Upper

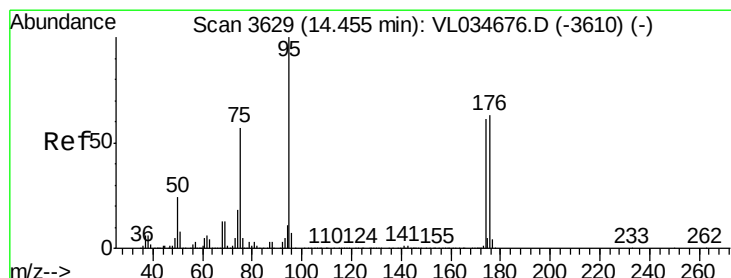
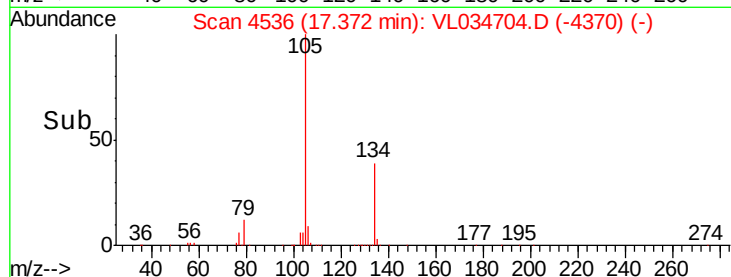
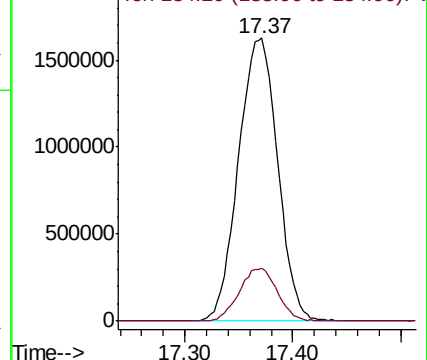
105 100

134 18.3 14.8 22.2



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: 8.334 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

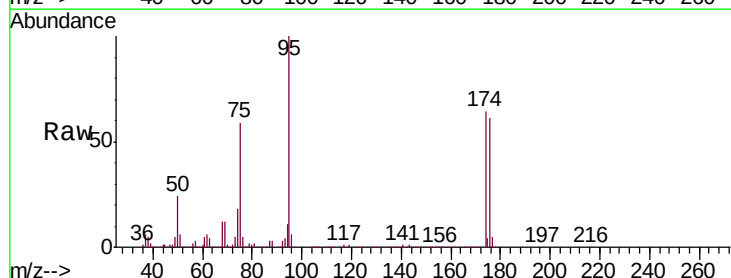
Tgt Ion: 95 Resp: 1819618

Ion Ratio Lower Upper

95 100

174 62.6 50.7 76.1

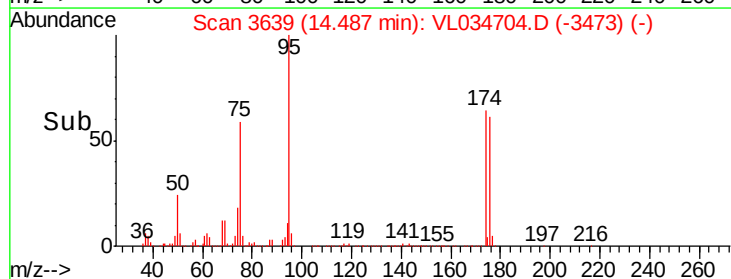
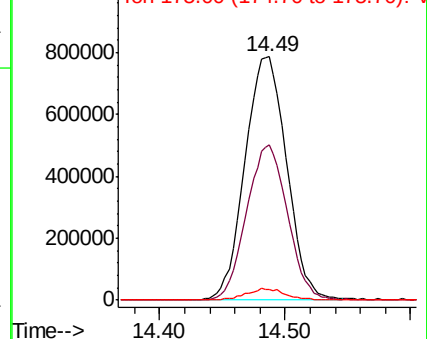
175 4.4 3.9 5.9

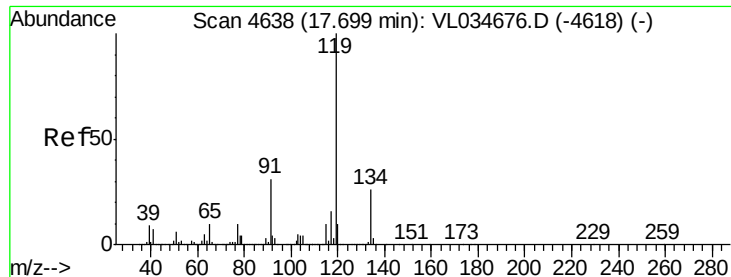


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

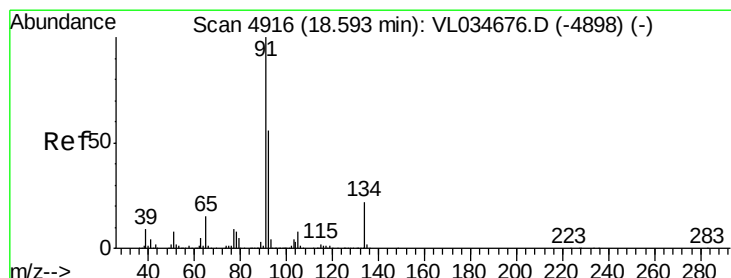
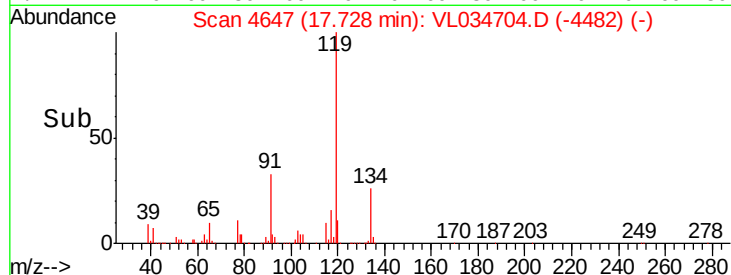
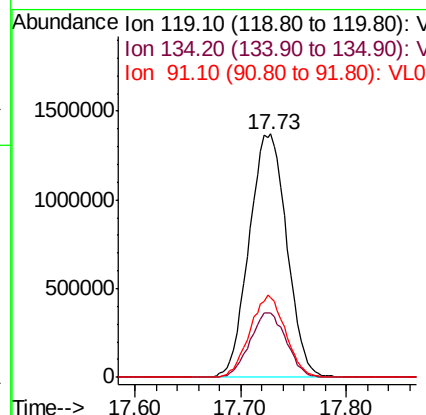
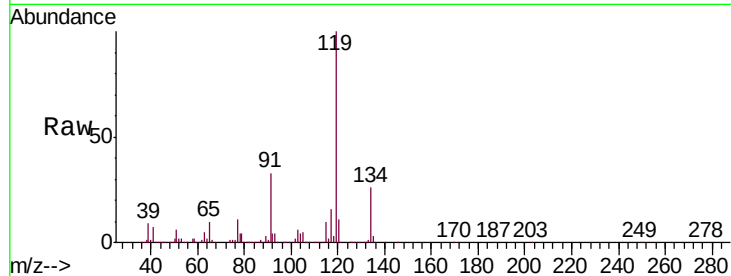




#69
 p-Isopropyltoluene
 Concen: 8.204 ppbv
 RT: 17.73 min Scan# 4647
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

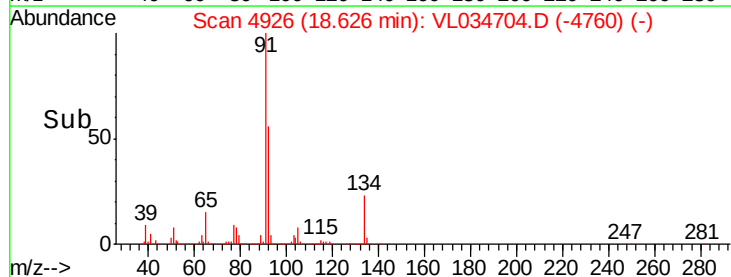
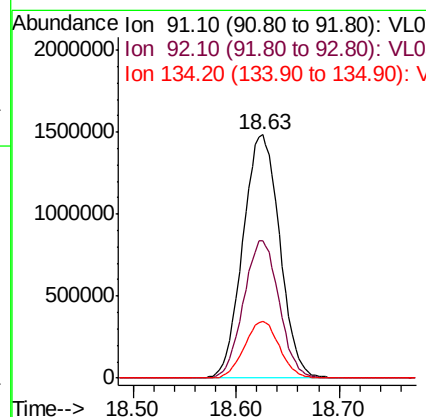
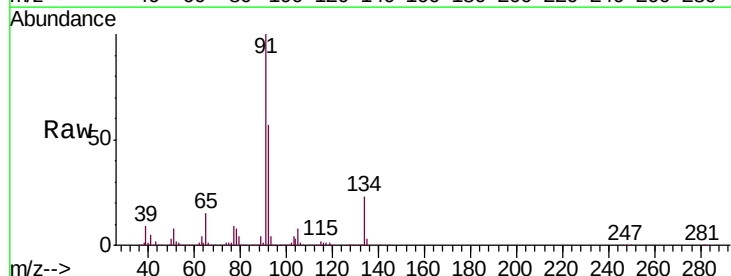
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

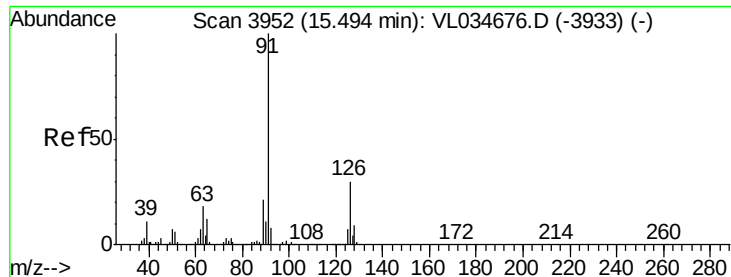
Tgt Ion: 119 Resp: 3413100
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.6 31.0
 91 31.7 25.3 37.9



#70
 n-Butylbenzene
 Concen: 8.129 ppbv
 RT: 18.63 min Scan# 4926
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion: 91 Resp: 3682308
 Ion Ratio Lower Upper
 91 100
 92 54.4 43.8 65.6
 134 22.1 17.6 26.4





#71

2-Chlorotoluene

Concen: 8.328 ppbv

RT: 15.53 min Scan# 3962

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

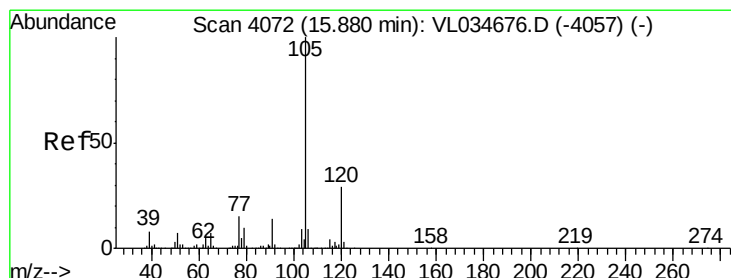
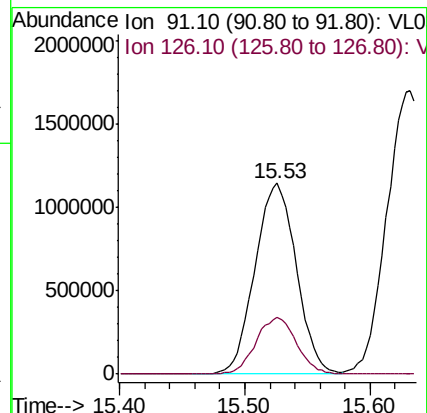
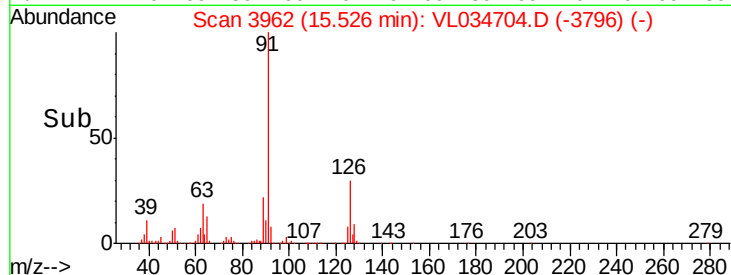
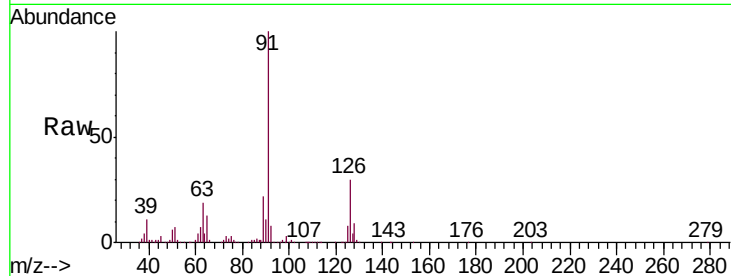
VSTDCCC010

Tgt Ion: 91 Resp: 2623491

Ion Ratio Lower Upper

91 100

126 29.2 11.8 47.2



#72

4-Ethyltoluene

Concen: 8.596 ppbv

RT: 15.91 min Scan# 4081

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Tgt Ion: 105 Resp: 2667601

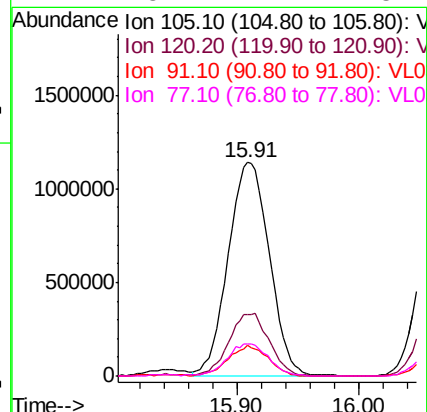
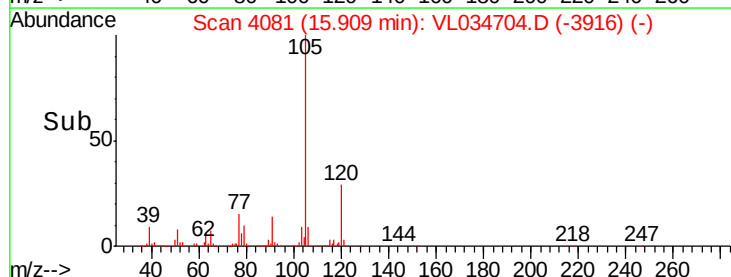
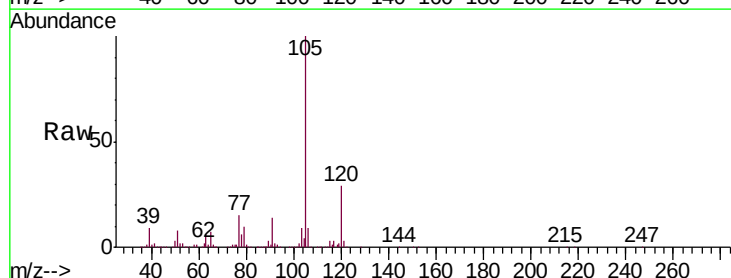
Ion Ratio Lower Upper

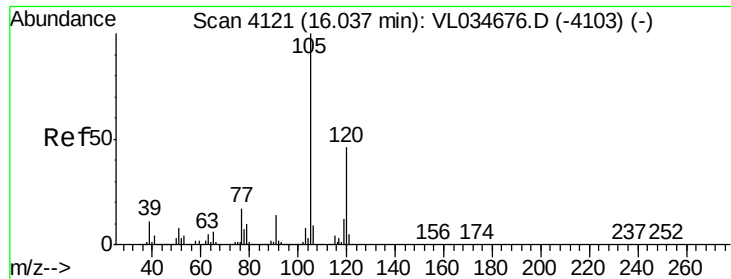
105 100

120 28.8 23.7 35.5

91 13.9 10.9 16.3

77 15.2 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 8.385 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

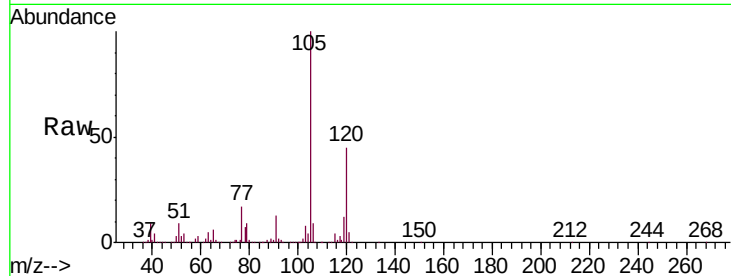
VSTDCCC010

Tgt Ion:105 Resp: 2503314

Ion Ratio Lower Upper

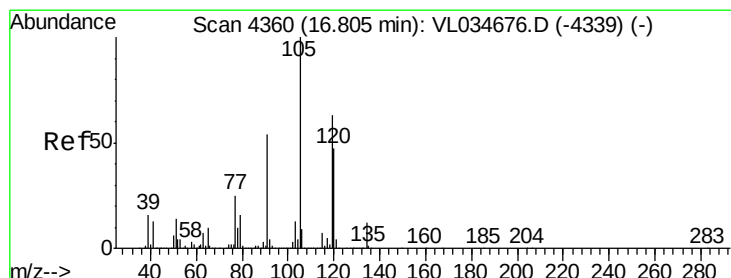
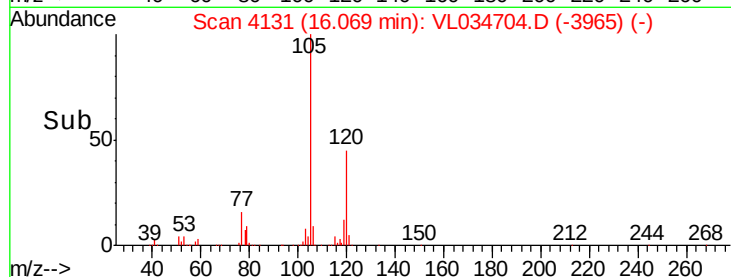
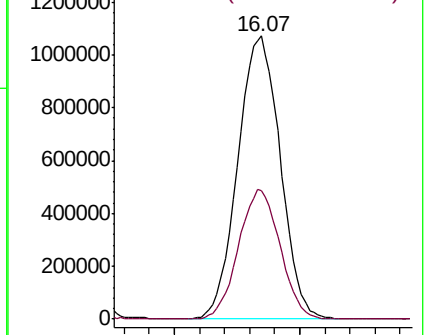
105 100

120 45.2 37.1 55.7



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: 7.822 ppbv

RT: 16.83 min Scan# 4369

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Tgt Ion:105 Resp: 2578813

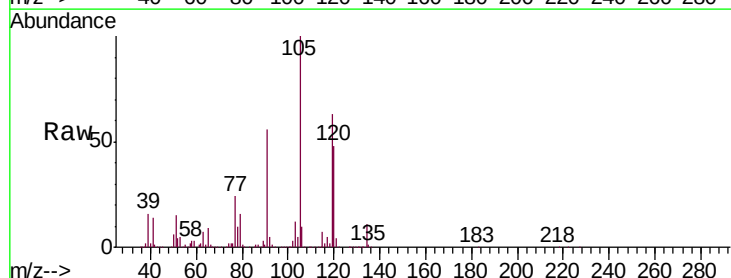
Ion Ratio Lower Upper

105 100

120 48.2 37.9 56.9

91 55.3 43.9 65.9

77 24.3 20.3 30.5

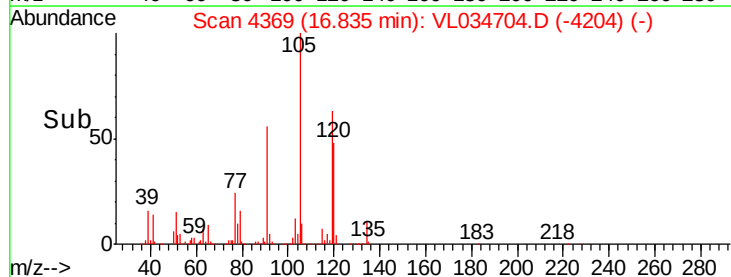
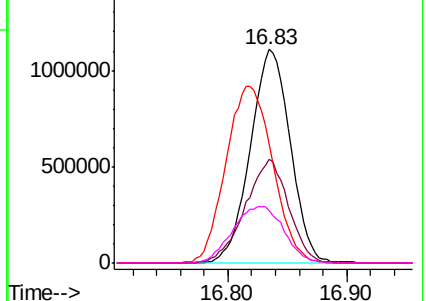


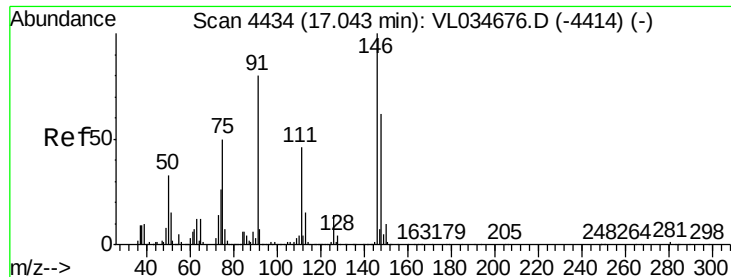
Abundance Ion 105.10 (104.80 to 105.80): V

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

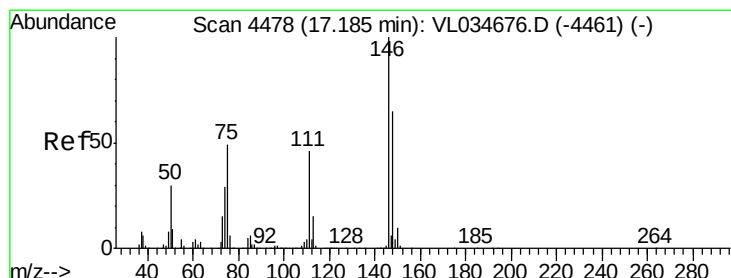
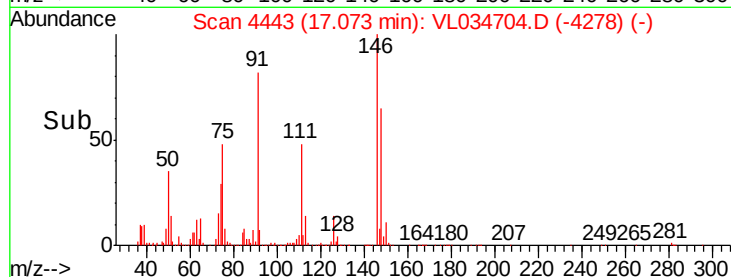
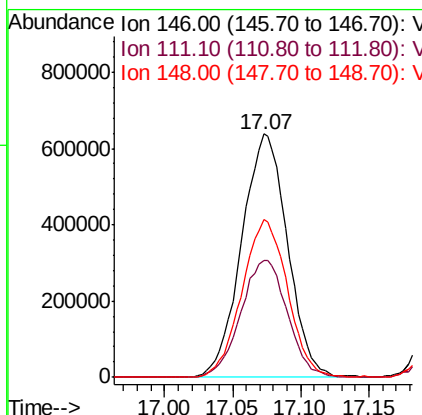
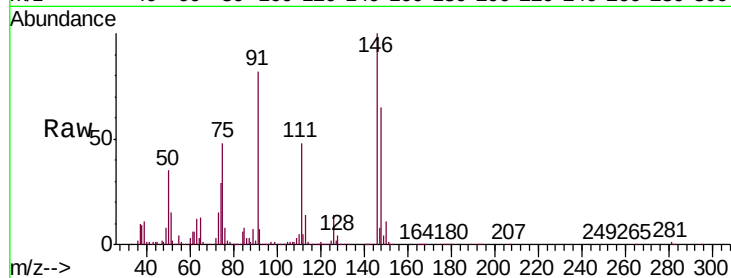




#75
 1,3-Dichlorobenzene
 Concen: 7.765 ppbv
 RT: 17.07 min Scan# 4443
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

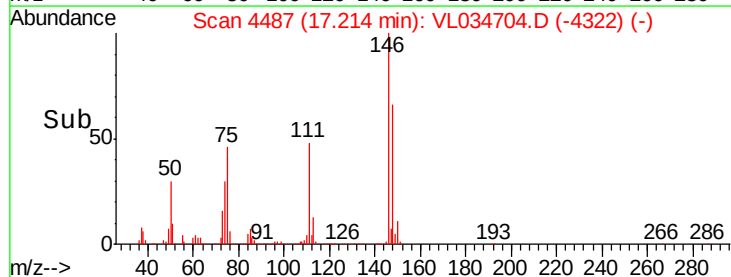
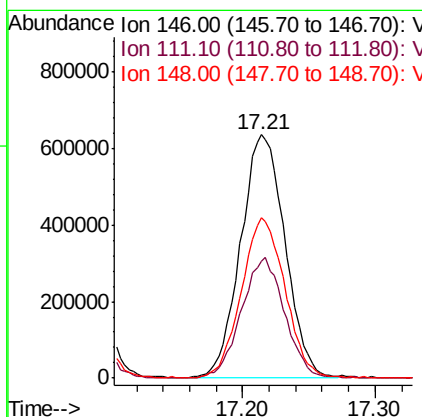
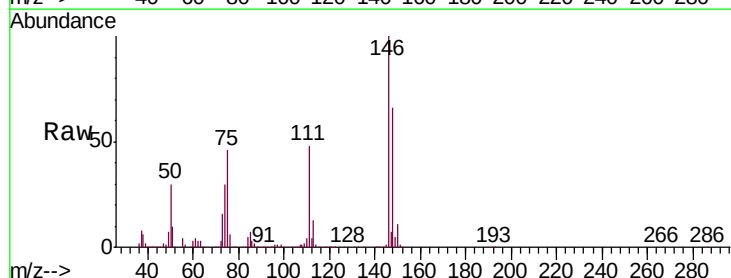
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

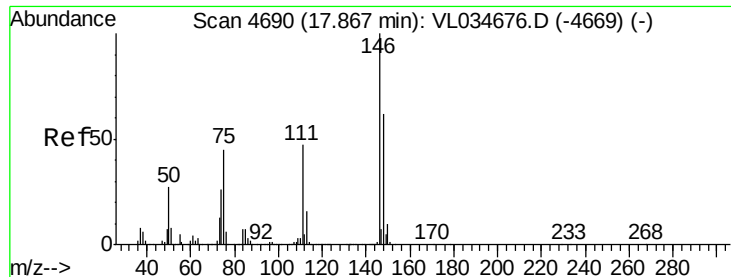
Tgt Ion:146 Resp: 1477856
 Ion Ratio Lower Upper
 146 100
 111 49.1 24.4 73.2
 148 64.9 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 7.754 ppbv
 RT: 17.21 min Scan# 4487
 Delta R.T. 0.03 min
 Lab File: VL034704.D
 Acq: 27 Feb 2020 10:21

Tgt Ion:146 Resp: 1476373
 Ion Ratio Lower Upper
 146 100
 111 48.6 23.4 70.0
 148 65.4 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 7.723 ppbv

RT: 17.89 min Scan# 4698

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

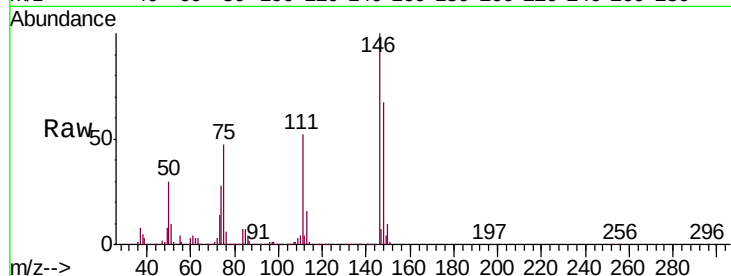
Tgt Ion:146 Resp: 1420953

Ion Ratio Lower Upper

146 100

111 51.5 24.9 74.7

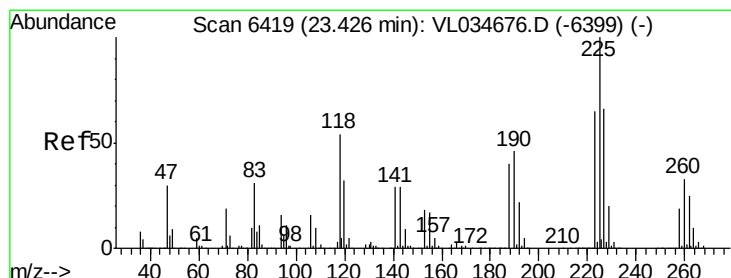
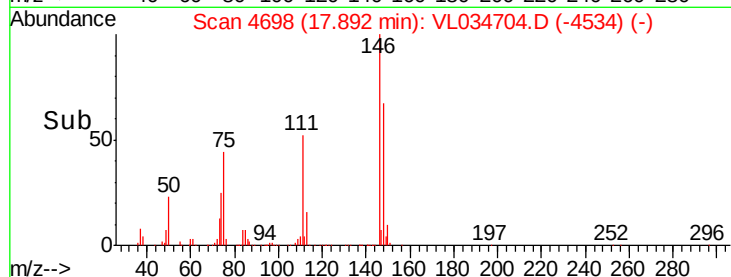
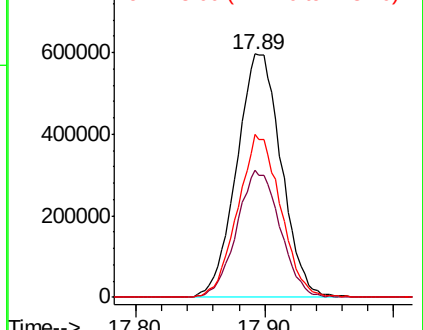
148 65.1 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.701 ppbv

RT: 23.45 min Scan# 6428

Delta R.T. 0.03 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

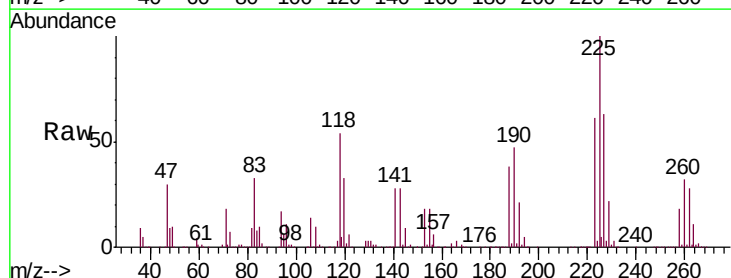
Tgt Ion:225 Resp: 1233772

Ion Ratio Lower Upper

225 100

223 62.3 51.3 76.9

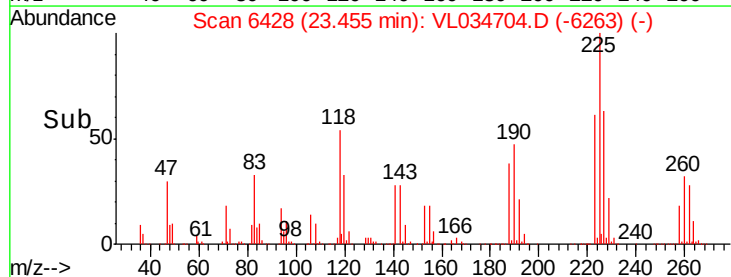
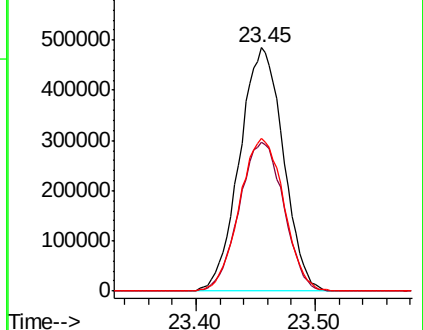
227 63.9 51.3 76.9

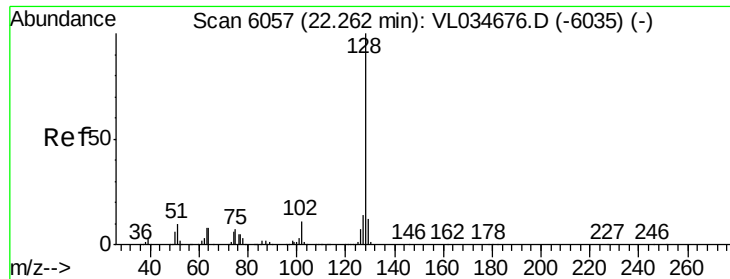


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

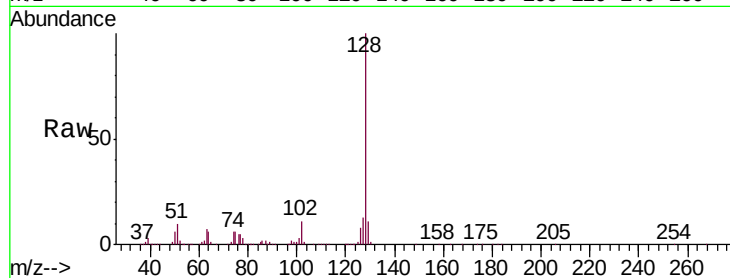




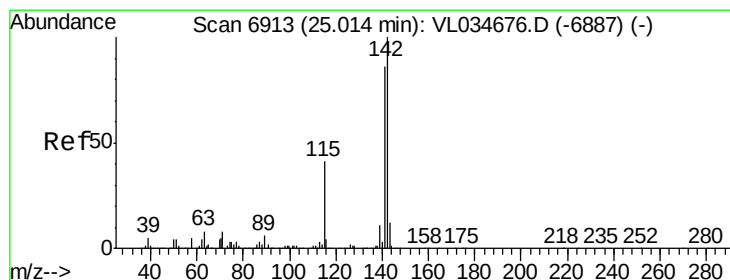
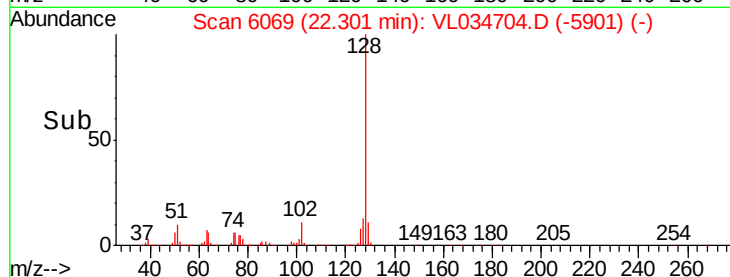
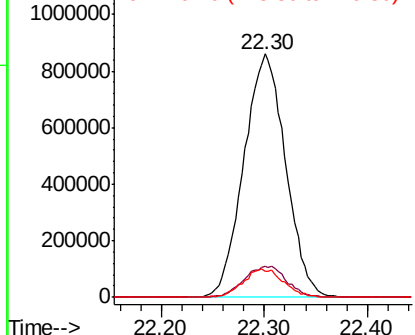
#79
Naphthalene
Concen: 8.351 ppbv
RT: 22.30 min Scan# 6069
Delta R.T. 0.04 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 2423123
Ion Ratio Lower Upper
128 100
127 12.6 11.0 16.6
129 10.8 9.4 14.2

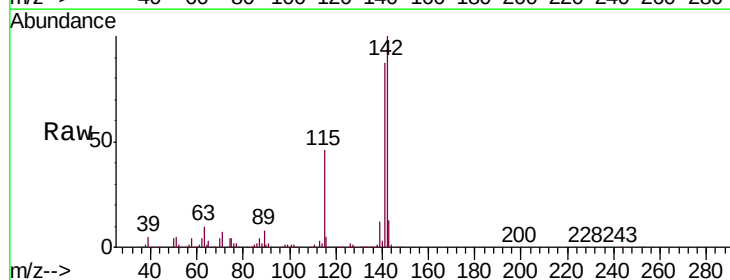


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

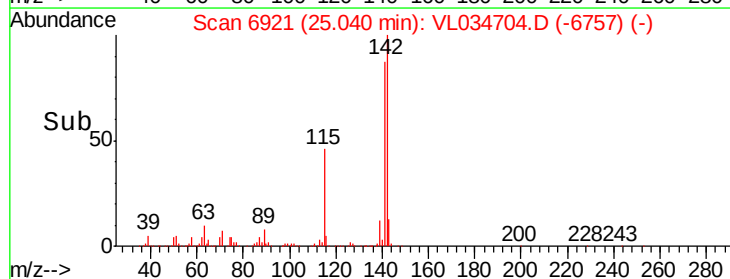
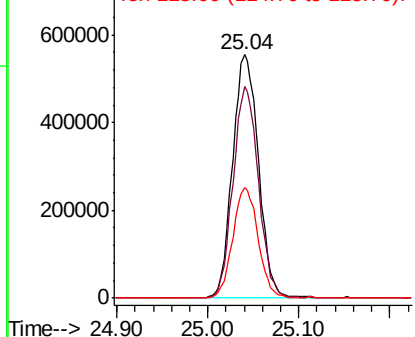


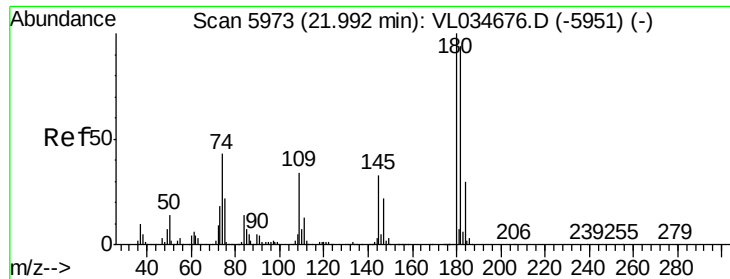
#80
Naphthalene, 2-methyl-
Concen: 12.264 ppbv
RT: 25.04 min Scan# 6921
Delta R.T. 0.03 min
Lab File: VL034704.D
Acq: 27 Feb 2020 10:21

Tgt Ion:142 Resp: 1097582
Ion Ratio Lower Upper
142 100
141 85.6 66.5 99.7
115 44.6 30.6 46.0



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





#81

1,2,4-Trichlorobenzene

Concen: 8.010 ppbv

RT: 22.03 min Scan# 5984

Delta R.T. 0.04 min

Lab File: VL034704.D

Acq: 27 Feb 2020 10:21

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:180 Resp: 1387179

Ion Ratio Lower Upper

180 100

182 96.8 76.5 114.7

184 31.0 25.2 37.8

