

Data File : VL034934.D
Acq On : 23 Mar 2020 18:00
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Mar 24 01:51:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1027405	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2238684	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2421474	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1910593	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	726336	5.163	ppbv	99
3) Chlorodifluoromethane	2.94	51	1058096	9.219	ppbv	98
4) Chloromethane	3.10	50	638696	9.847	ppbv	100
5) Vinyl Chloride	3.22	62	606300	9.722	ppbv	90
6) Bromomethane	3.44	94	365527	10.069	ppbv	94
7) Chloroethane	3.52	64	220616	9.797	ppbv	93
8) Dichlorotetrafluoroethane	3.15	85	1322577	9.052	ppbv	94
9) Propene	2.97	41	496901	9.068	ppbv	97
10) Heptane	8.12	43	1345556	9.978	ppbv	99
11) Trichlorofluoromethane	3.92	101	1410873	9.426	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1003026	9.575	ppbv	95
13) Ethanol	3.57	45	143855	8.635	ppbv	94
14) Bromoethene	3.71	108	436071	9.639	ppbv	99
15) Acetone	3.82	43	1156186	8.683	ppbv	99
16) 1,3-Butadiene	3.29	39	573733	9.528	ppbv	100
17) tert-Butyl alcohol	4.27	59	979273	7.633	ppbv	98
18) 1,1-Dichloroethene	4.26	96	453157	9.768	ppbv	99
19) Isopropyl Alcohol	3.94	45	735740	8.749	ppbv #	41
20) Methylene Chloride	4.32	84	423522	10.060	ppbv	94
21) Allyl Chloride	4.39	41	778796	9.106	ppbv	100
22) trans-1,2-Dichloroethene	4.86	96	451872	9.601	ppbv	98
23) Vinyl Acetate	5.06	43	1794288	9.122	ppbv #	99
24) 1,1-Dichloroethane	4.99	63	1229961	9.327	ppbv	99
25) Ethyl Acetate	5.67	43	2204588	9.293	ppbv	100
26) Hexane	5.67	57	991746	9.708	ppbv	98
27) Carbon Disulfide	4.53	76	1176284	10.147	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1451422	8.539	ppbv	100
29) Chloroform	5.75	83	1510222	9.689	ppbv	95
30) Cyclohexane	7.13	84	816808	9.583	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	982639	9.406	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1438767	9.473	ppbv	98
34) 2-Butanone	5.23	43	1450846	9.752	ppbv	100
35) Carbon Tetrachloride	7.02	117	1471873	10.571	ppbv	96
36) Benzene	6.89	78	1940807	9.726	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1157482	10.287	ppbv	98
38) Trichloroethene	7.84	130	743084	9.805	ppbv	98
39) 1,2-Dichloropropane	7.62	63	770206	9.742	ppbv	94
40) 1,4-Dioxane	7.83	88	269672	9.032	ppbv #	89
41) Tetrahydrofuran	6.04	42	814290	10.115	ppbv	100
42) Bromodichloromethane	7.80	83	1586507	10.346	ppbv	98
43) Methyl Methacrylate	8.02	69	881479	10.485	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3425011	10.157	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	990309	10.027	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1166776	9.941	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	808705	9.967	ppbv	97
48) Dibromochloromethane	10.32	129	1337161	10.177	ppbv	98
49) Bromoform	13.07	173	1177494	10.051	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2209617	10.318	ppbv	99
51) 2-Hexanone	10.14	43	1817162	10.441	ppbv #	99
52) Tetrachloroethene	11.24	164	680274	8.617	ppbv	97
53) Toluene	9.82	91	2272053	9.860	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1220272	9.991	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1003499	9.226	ppbv	99
57) Chlorobenzene	12.17	112	1708620	9.018	ppbv	96
58) Ethyl Benzene	12.73	91	3112107	9.490	ppbv	96
59) m/p-Xylene	13.02	91	1731110	6.301	ppbv #	1
60) o-Xylene	13.72	91	2539777	9.468	ppbv	99
61) Styrene	13.55	104	1833813	9.742	ppbv	97
62) Isopropylbenzene	14.70	105	3753333	9.254	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	1852284	10.172	ppbv	99
64) n-propylbenzene	15.59	120	996302	9.438	ppbv	92
65) tert-Butylbenzene	16.78	119	3243549	9.148	ppbv	97
66) Benzyl Chloride	17.03	91	1270025	8.590	ppbv	95
67) sec-Butylbenzene	17.33	105	4707123	9.574	ppbv	99
69) p-Isopropyltoluene	17.69	119	3891890	9.441	ppbv	99
70) n-Butylbenzene	18.59	91	4203024	9.992	ppbv	99
71) 2-Chlorotoluene	15.48	91	2908771	9.470	ppbv	99
72) 4-Ethyltoluene	15.87	105	3044154	9.610	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	2843215	9.588	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	2973855	9.734	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	1698941	9.223	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1677837	9.127	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	1668065	9.341	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1367331	9.168	ppbv	99
79) Naphthalene	22.25	128	2786307	11.694	ppbv	99
80) Naphthalene,2-methyl-	25.01	142	1126979	18.100	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	911306	6.020	ppbv #	12

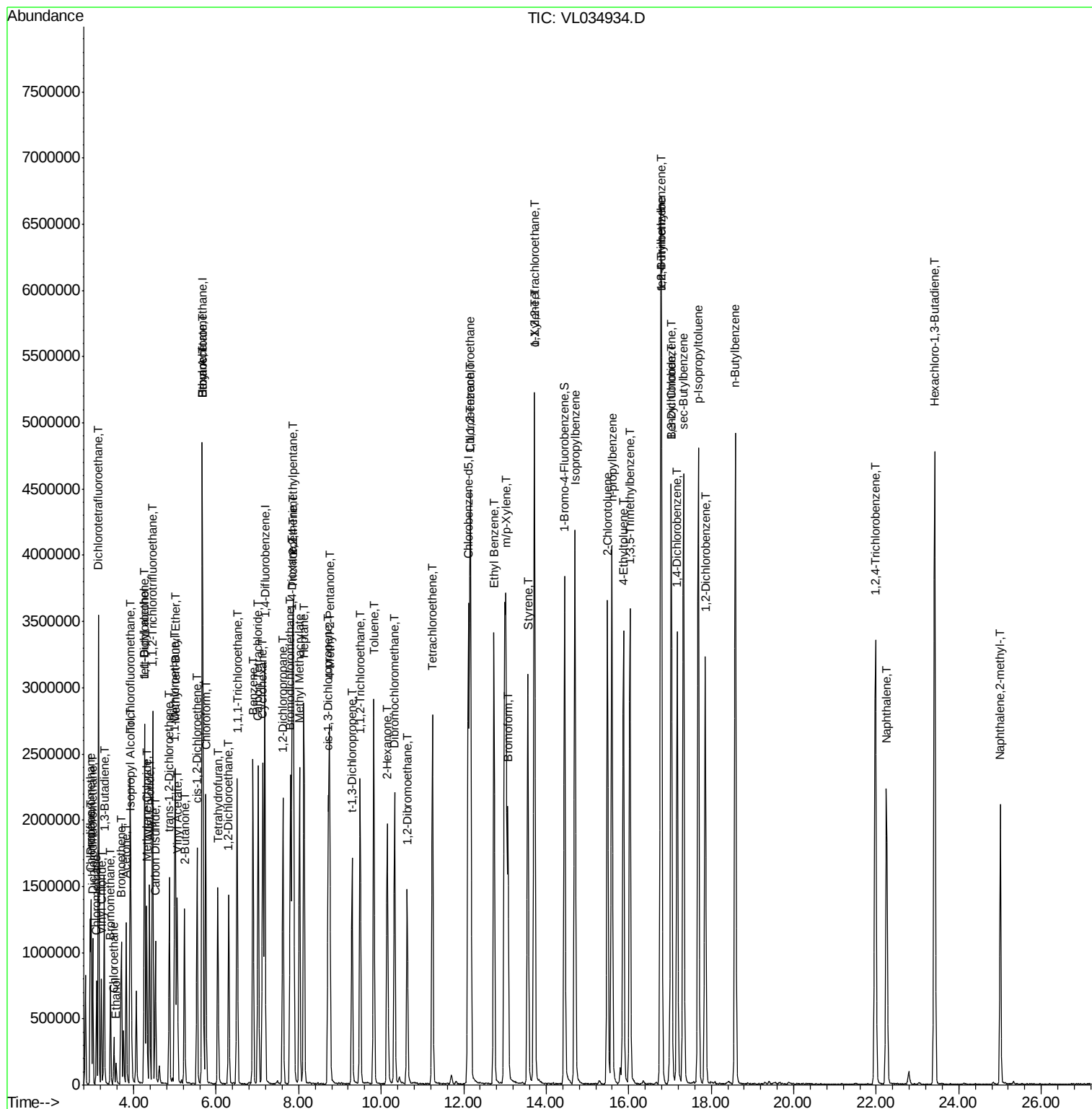
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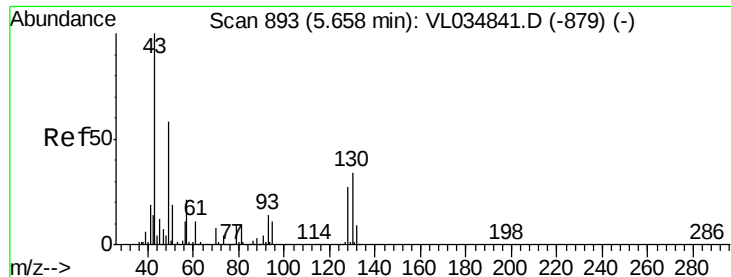
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

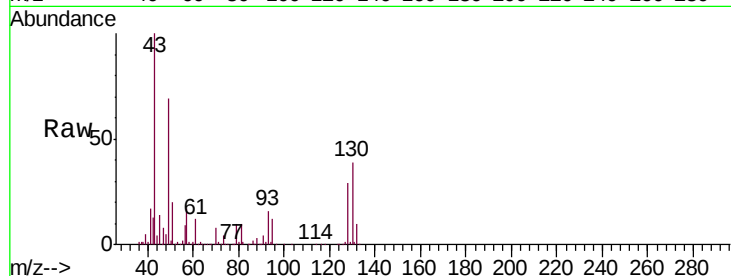
Tgt Ion: 49 Resp: 1027405

Ion Ratio Lower Upper

49 100

128 43.5 23.4 70.3

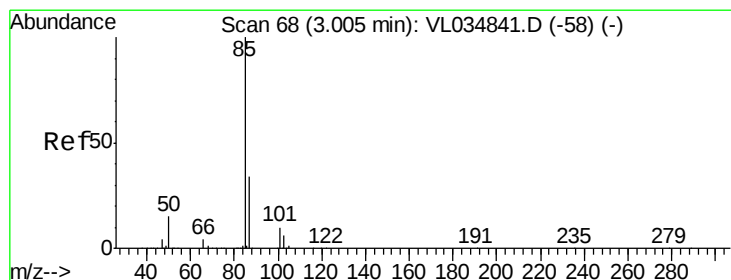
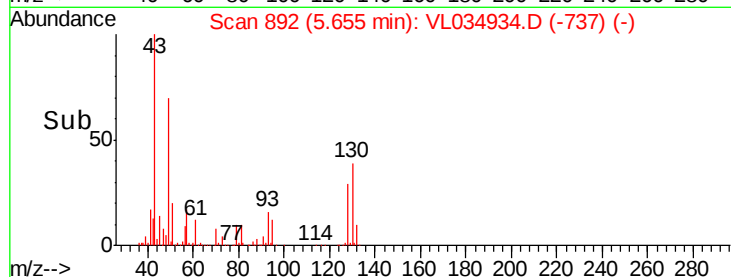
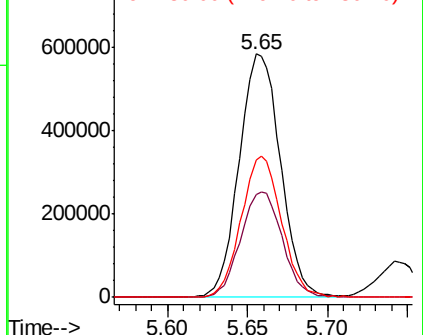
130 56.7 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 5.163 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034934.D

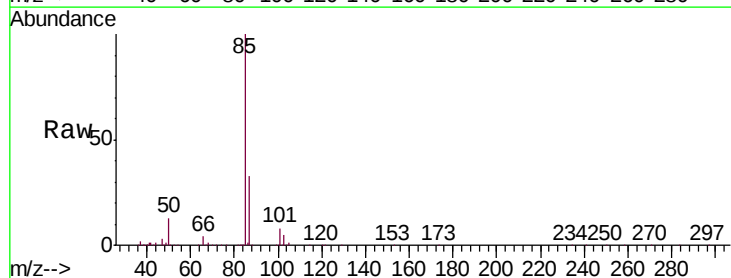
Acq: 23 Mar 2020 18:00

Tgt Ion: 85 Resp: 726336

Ion Ratio Lower Upper

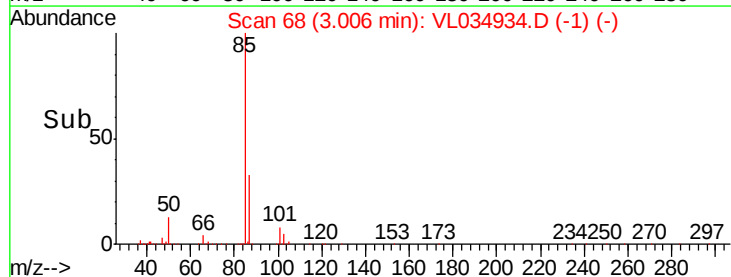
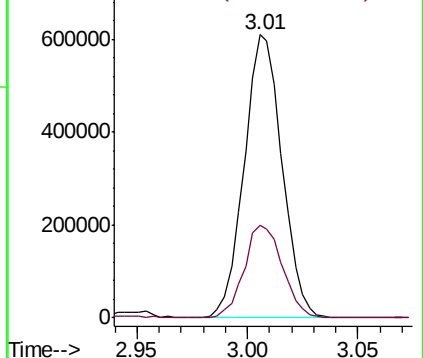
85 100

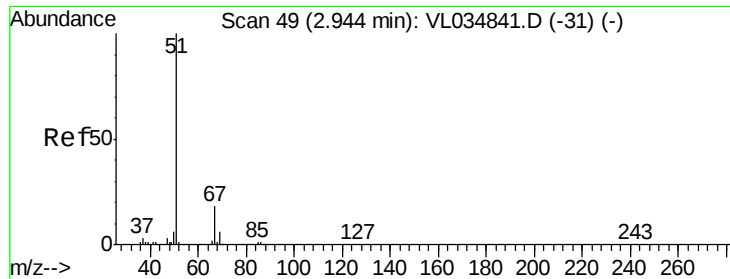
87 32.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

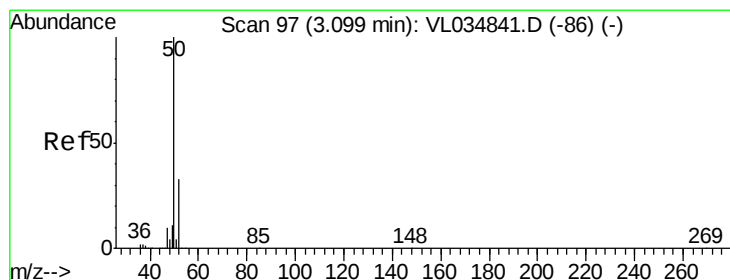
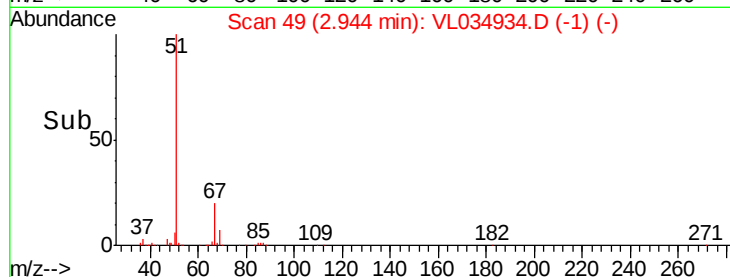
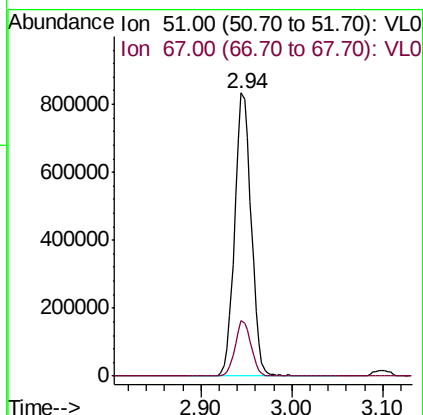
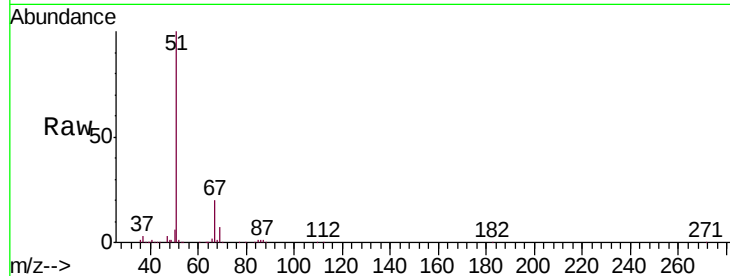




#3
 Chlorodifluoromethane
 Concen: 9.219 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

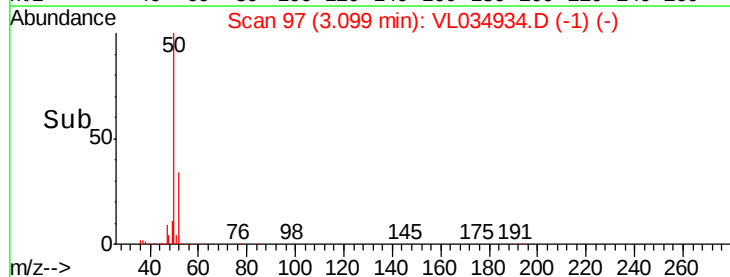
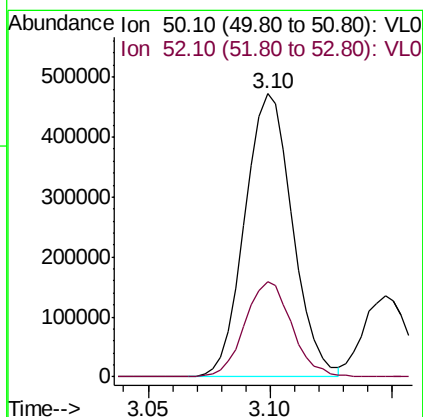
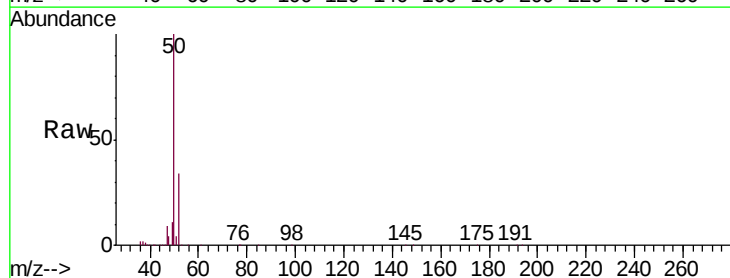
Instrument :
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 ClientSampleId :
 VSTDCCC010EC

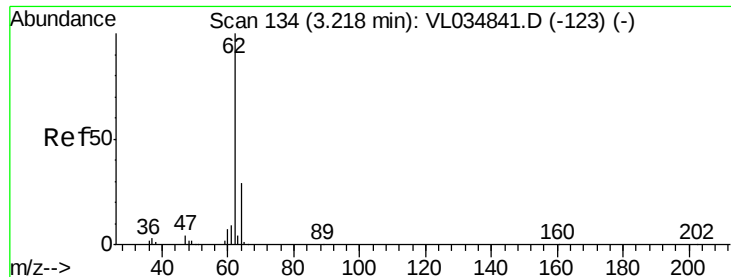
Tgt Ion: 51 Resp: 1058096
 Ion Ratio Lower Upper
 51 100
 67 18.8 14.3 21.5



#4
 Chloromethane
 Concen: 9.847 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 50 Resp: 638696
 Ion Ratio Lower Upper
 50 100
 52 33.6 26.8 40.2





#5

Vinyl Chloride

Concen: 9.722 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

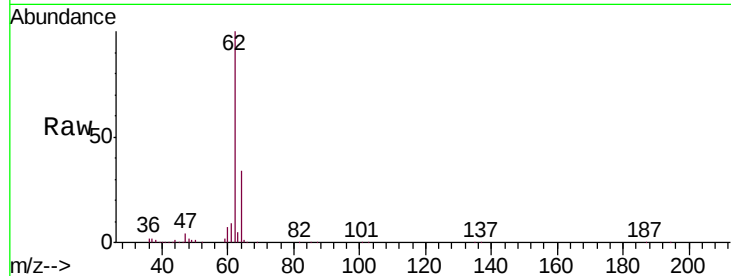
VSTDCCC010EC

Tgt Ion: 62 Resp: 606300

Ion Ratio Lower Upper

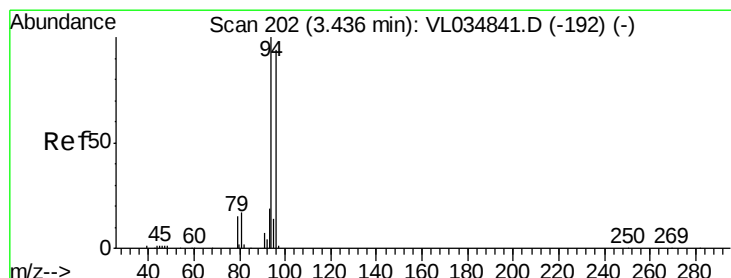
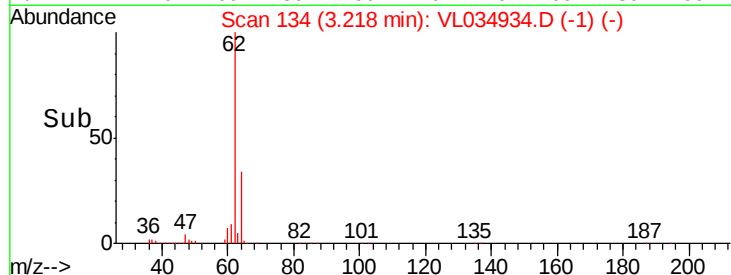
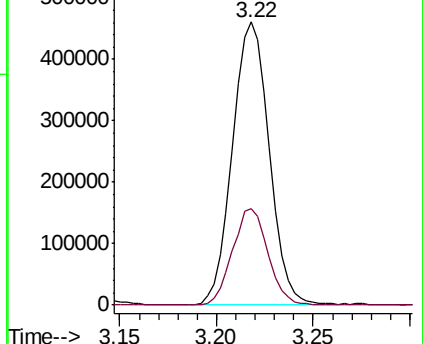
62 100

64 34.0 23.0 34.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.069 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034934.D

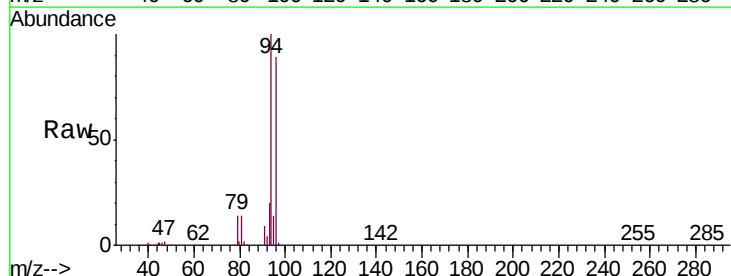
Acq: 23 Mar 2020 18:00

Tgt Ion: 94 Resp: 365527

Ion Ratio Lower Upper

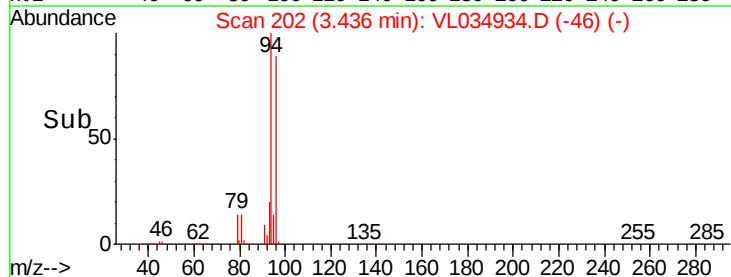
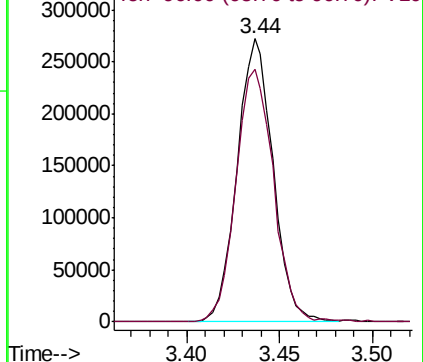
94 100

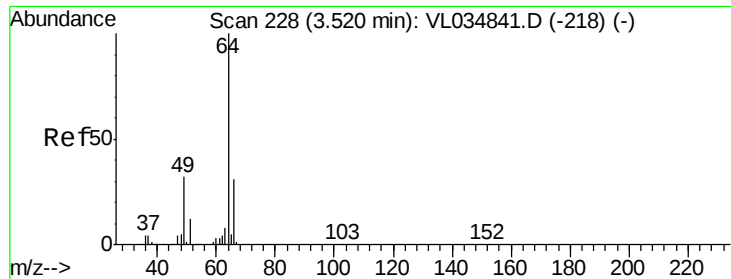
96 89.1 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.797 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

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ClientSampleId :

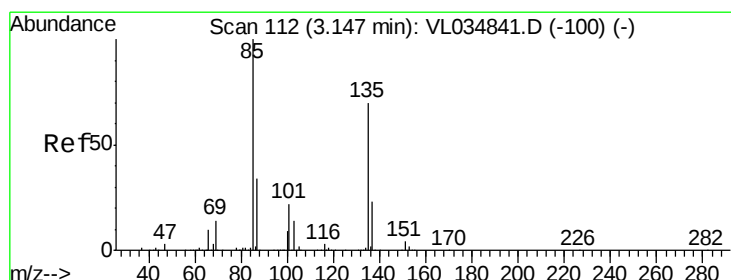
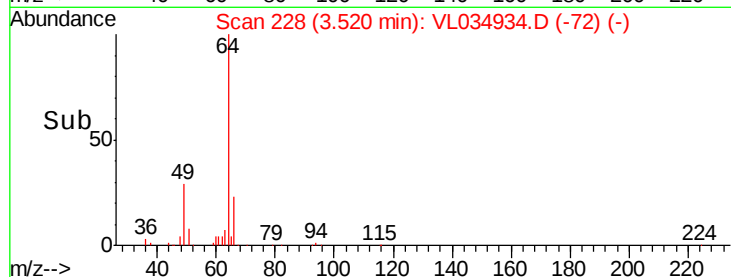
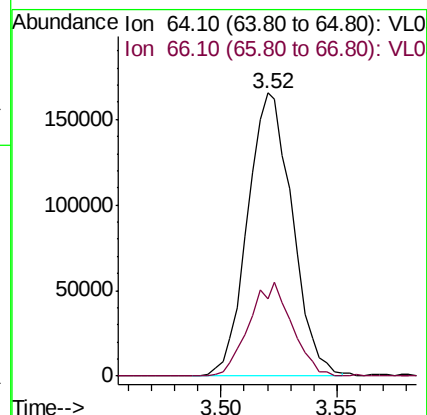
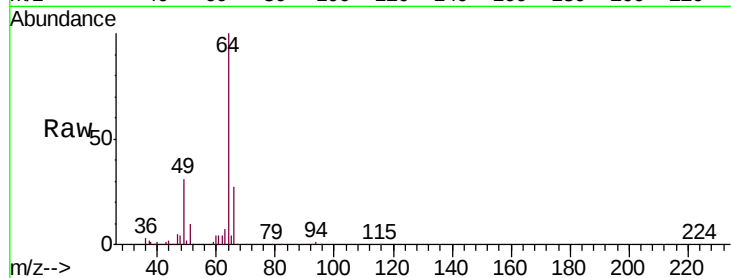
VSTDCCC010EC

Tgt Ion: 64 Resp: 220616

Ion Ratio Lower Upper

64 100

66 27.2 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.052 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034934.D

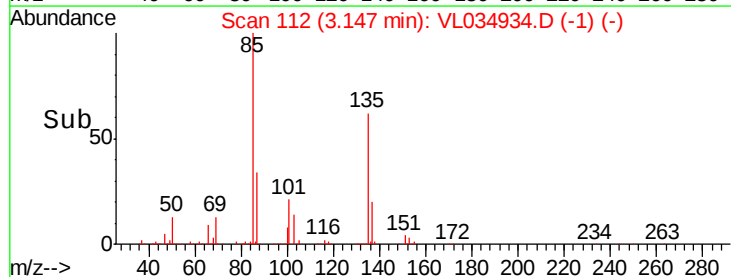
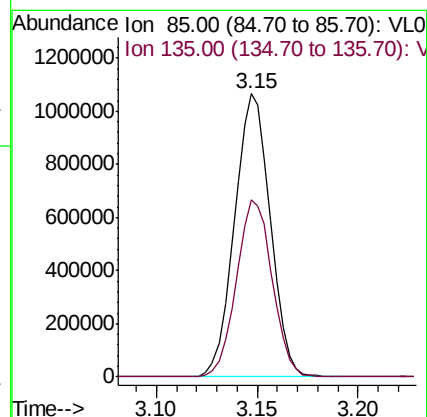
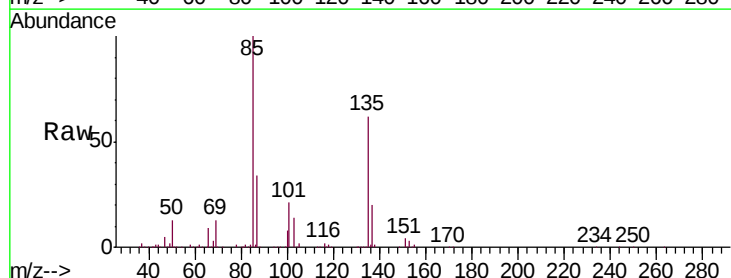
Acq: 23 Mar 2020 18:00

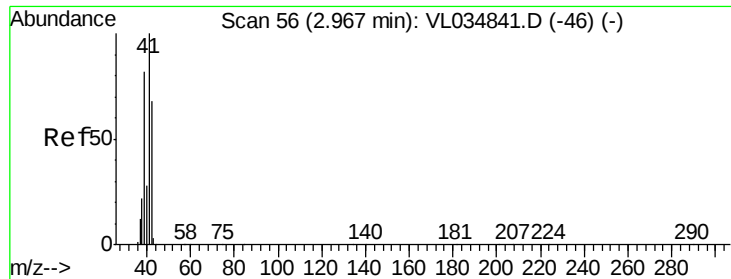
Tgt Ion: 85 Resp: 1322577

Ion Ratio Lower Upper

85 100

135 62.9 54.3 81.5





#9

Propene

Concen: 9.068 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

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ClientSampleId :

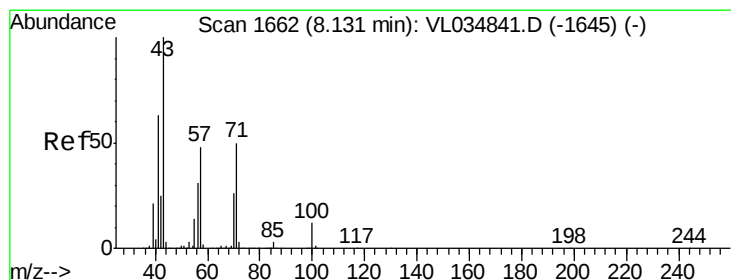
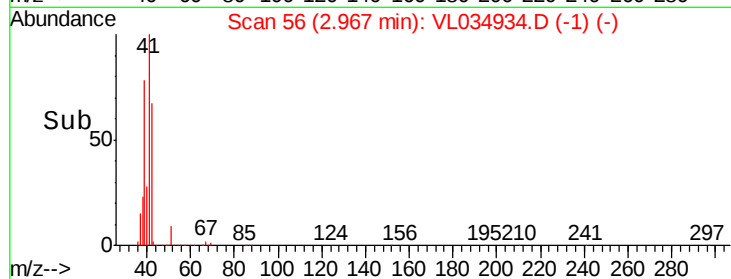
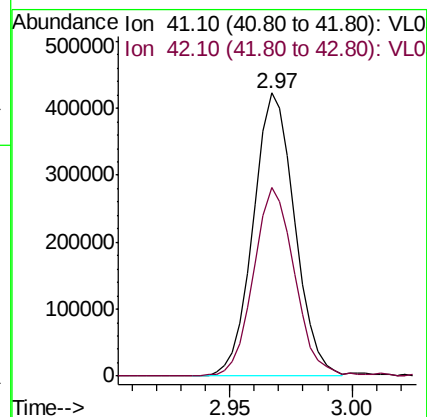
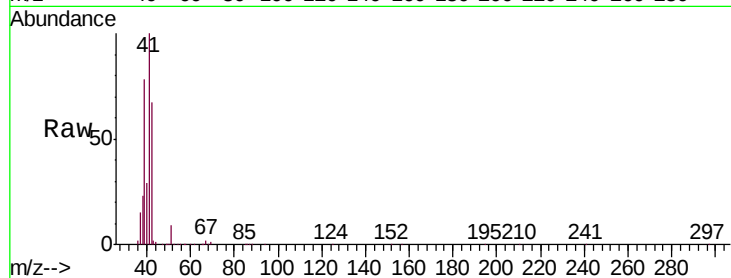
VSTDCCC010EC

Tgt Ion: 41 Resp: 496901

Ion Ratio Lower Upper

41 100

42 66.9 55.2 82.8



#10

Heptane

Concen: 9.978 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.01 min

Lab File: VL034934.D

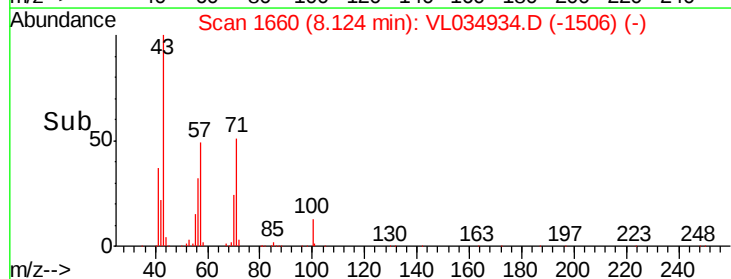
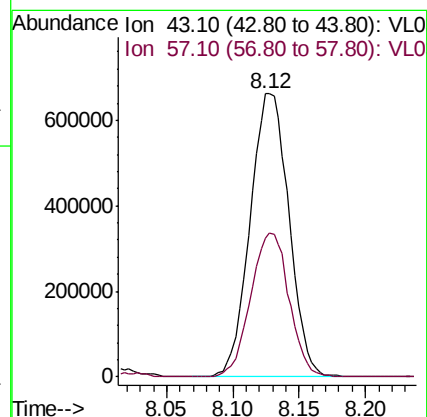
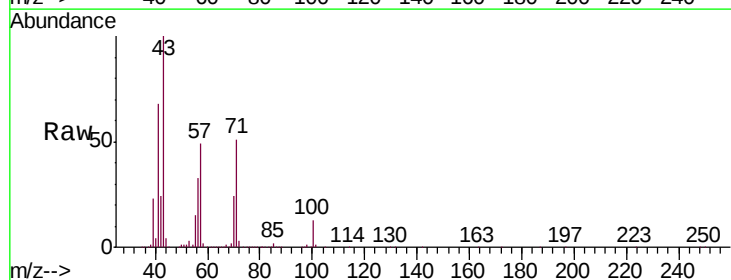
Acq: 23 Mar 2020 18:00

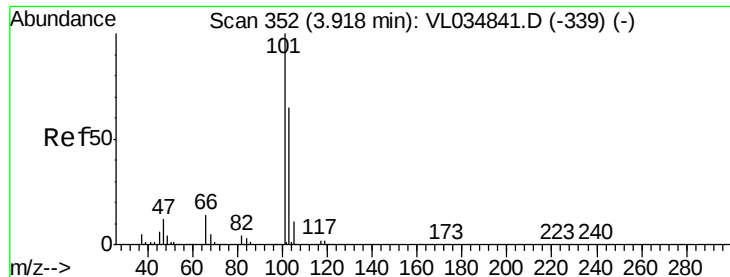
Tgt Ion: 43 Resp: 1345556

Ion Ratio Lower Upper

43 100

57 50.3 39.7 59.5

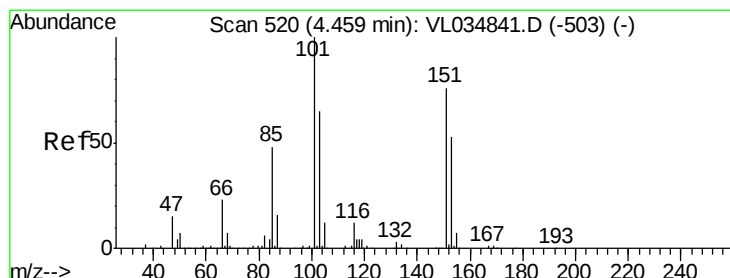
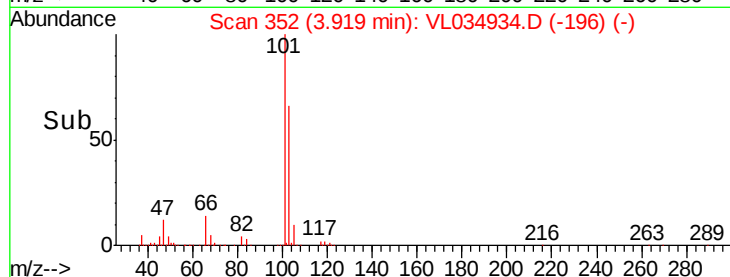
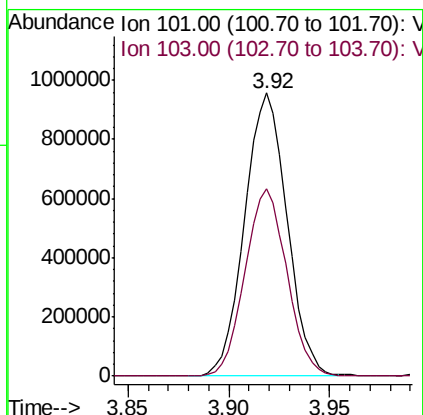
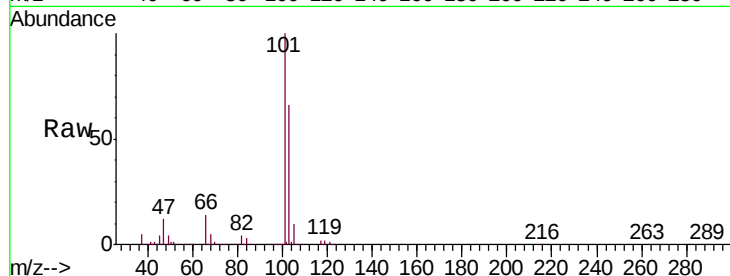




#11
 Trichlorofluoromethane
 Concen: 9.426 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

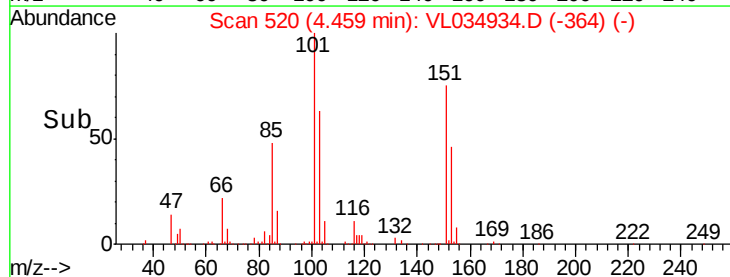
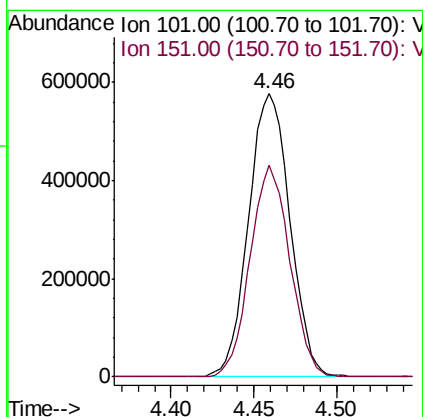
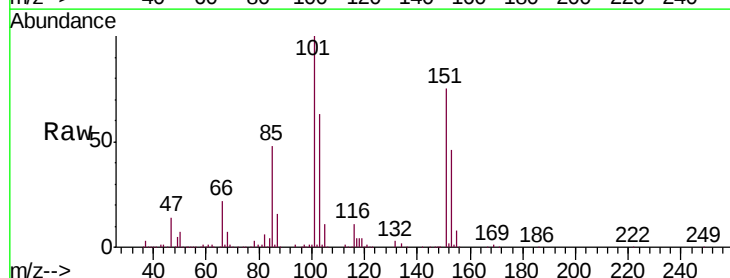
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

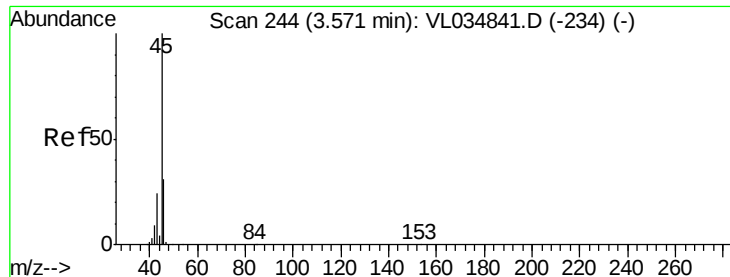
Tgt Ion:101 Resp: 1410873
 Ion Ratio Lower Upper
 101 100
 103 66.2 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.575 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion:101 Resp: 1003026
 Ion Ratio Lower Upper
 101 100
 151 71.9 60.8 91.2





#13

Ethanol

Concen: 8.635 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

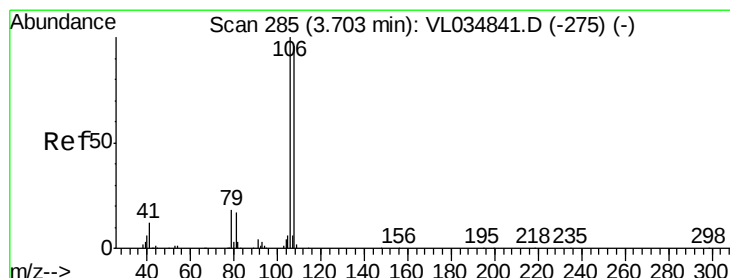
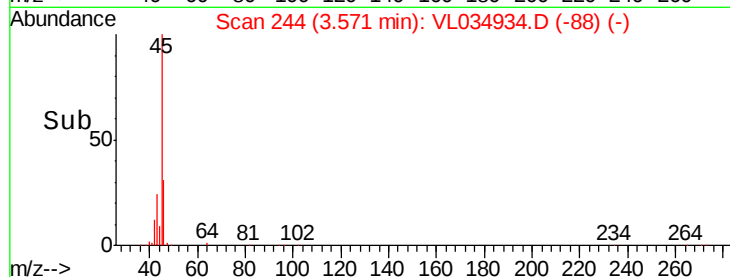
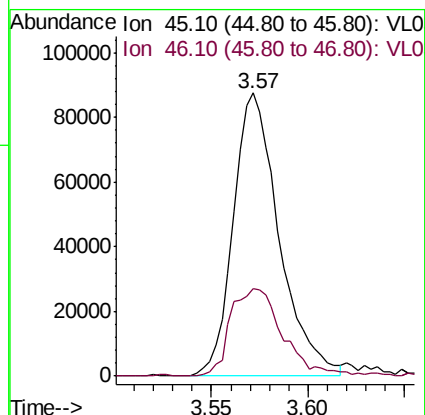
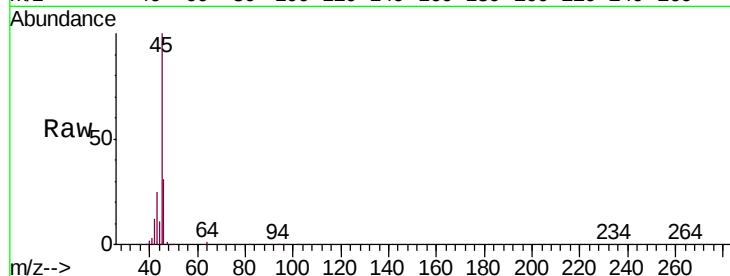
VSTDCCC010EC

Tgt Ion: 45 Resp: 143855

Ion Ratio Lower Upper

45 100

46 36.2 16.0 64.0



#14

Bromoethene

Concen: 9.639 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

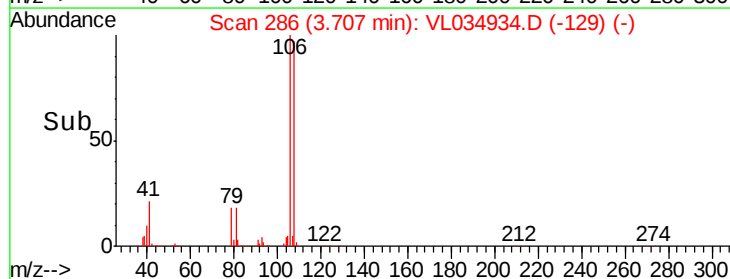
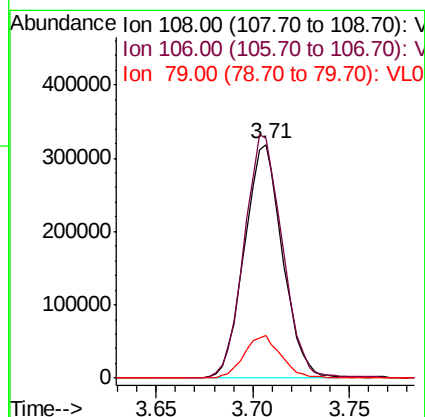
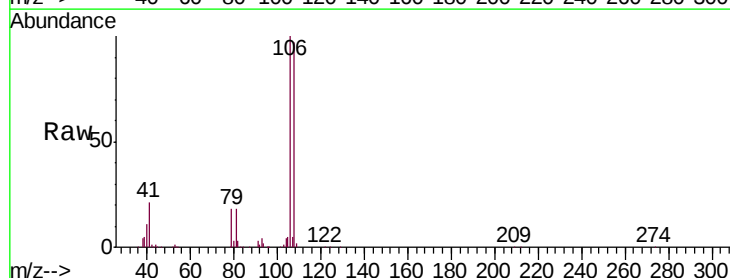
Tgt Ion: 108 Resp: 436071

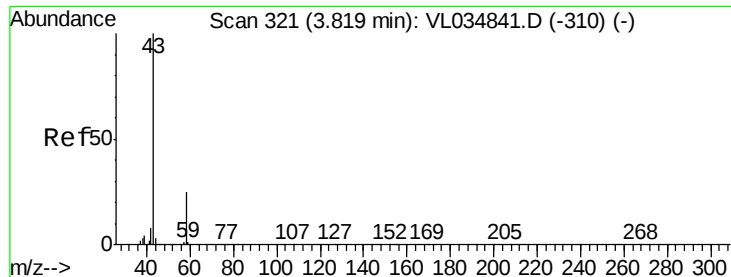
Ion Ratio Lower Upper

108 100

106 105.7 85.1 127.7

79 18.0 14.7 22.1





#15

Acetone

Concen: 8.683 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

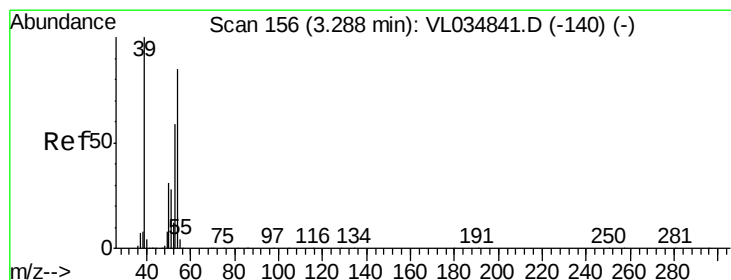
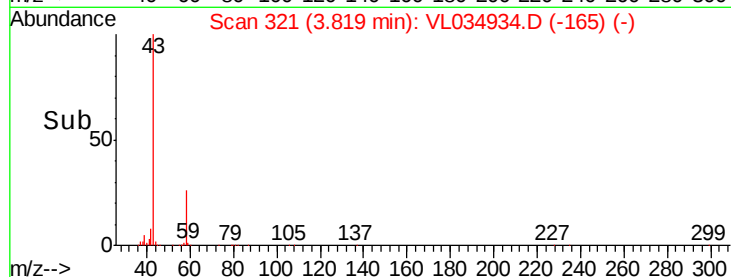
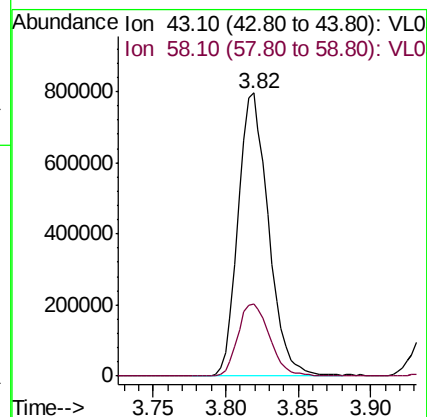
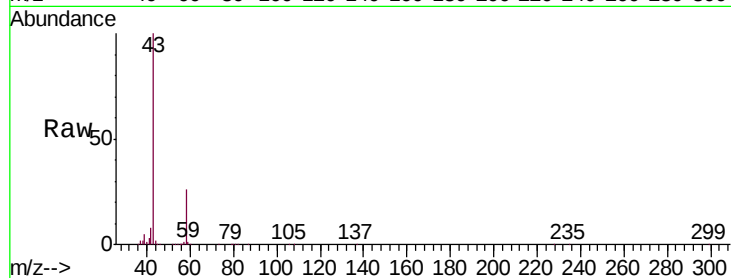
VSTDCCC010EC

Tgt Ion: 43 Resp: 1156186

Ion Ratio Lower Upper

43 100

58 26.9 21.0 31.6



#16

1,3-Butadiene

Concen: 9.528 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL034934.D

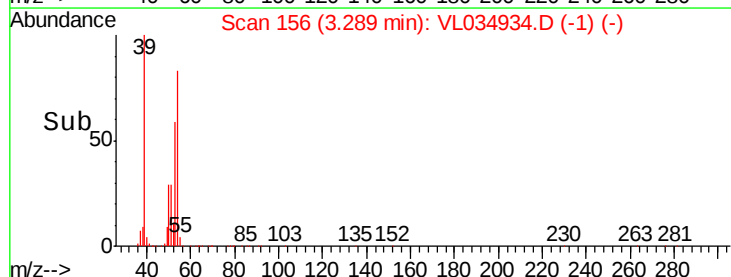
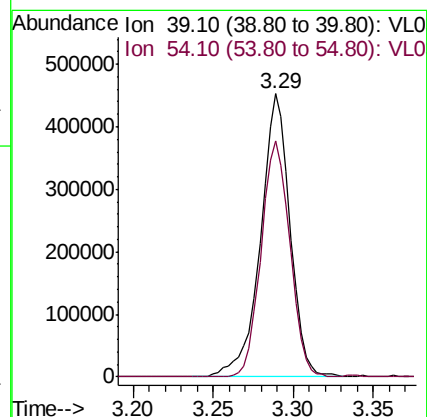
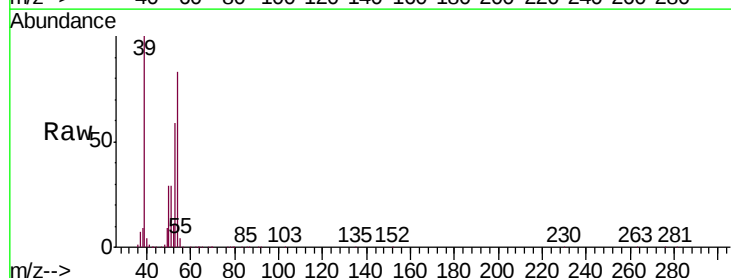
Acq: 23 Mar 2020 18:00

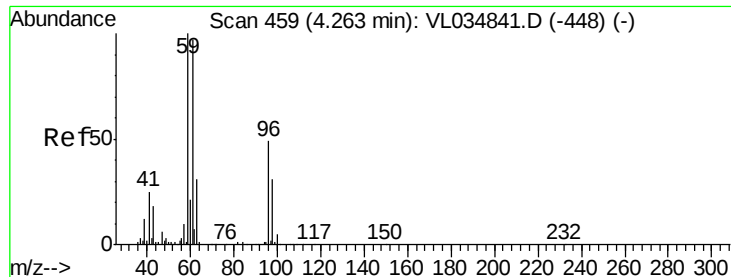
Tgt Ion: 39 Resp: 573733

Ion Ratio Lower Upper

39 100

54 81.7 65.0 97.6

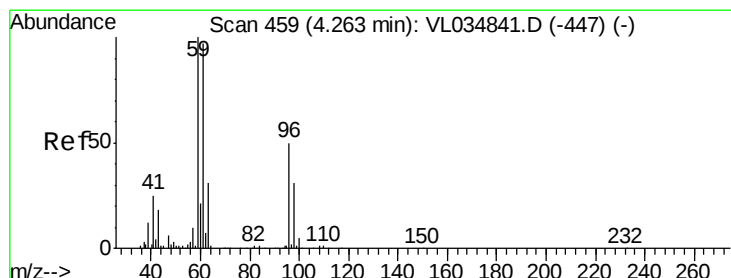
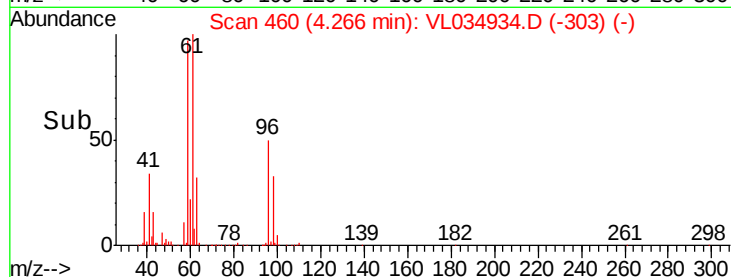
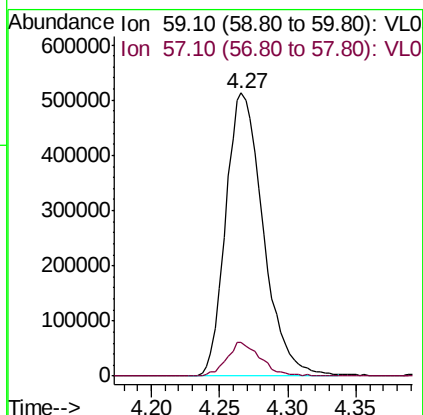
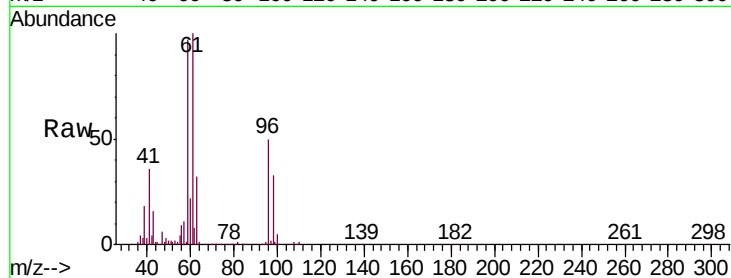




#17
tert-Butyl alcohol
Concen: 7.633 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

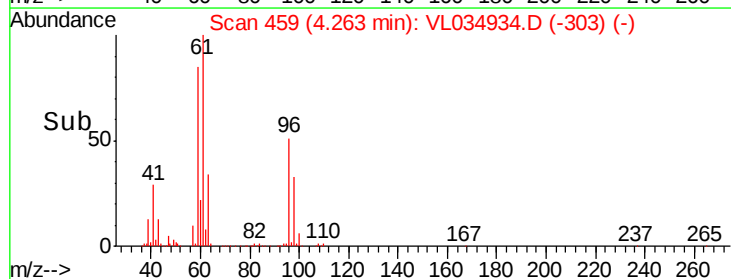
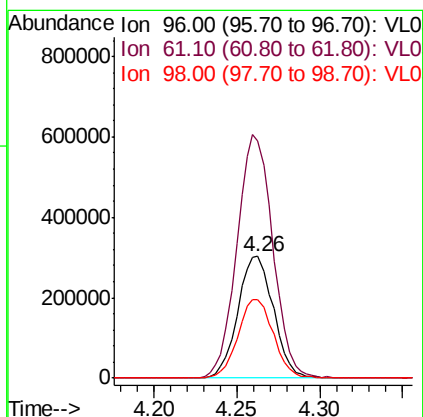
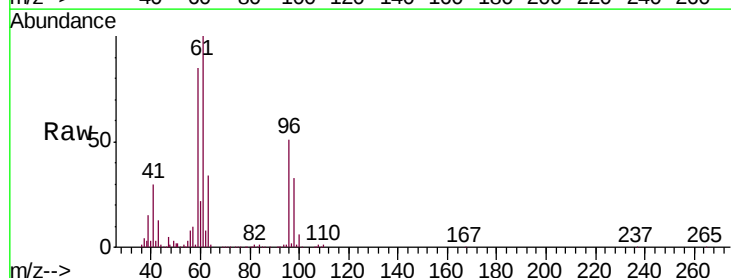
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

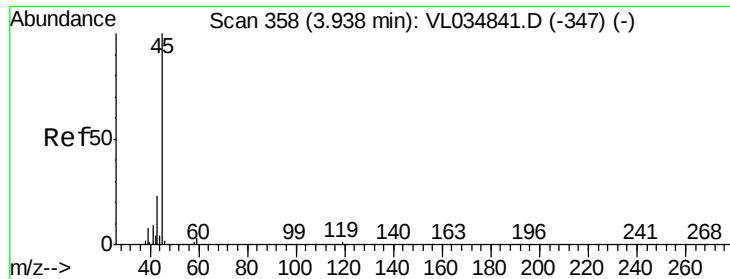
Tgt Ion: 59 Resp: 979273
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5



#18
1,1-Dichloroethene
Concen: 9.768 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 96 Resp: 453157
Ion Ratio Lower Upper
96 100
61 195.6 157.3 235.9
98 65.0 50.2 75.4





#19

Isopropyl Alcohol

Concen: 8.749 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

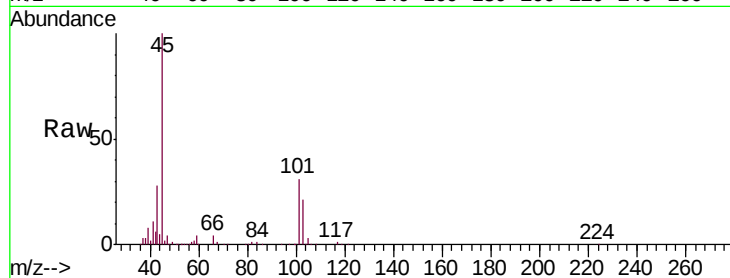
VSTDCCC010EC

Tgt Ion: 45 Resp: 735740

Ion Ratio Lower Upper

45 100

58 2.7 30.5 45.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

400000

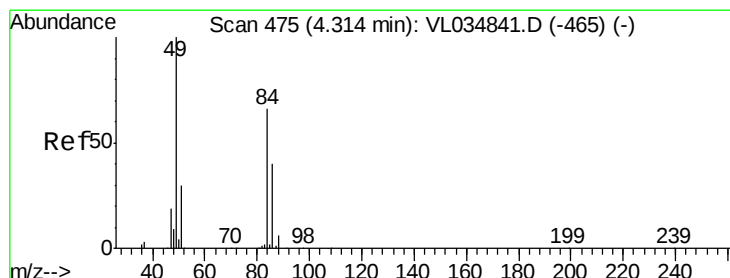
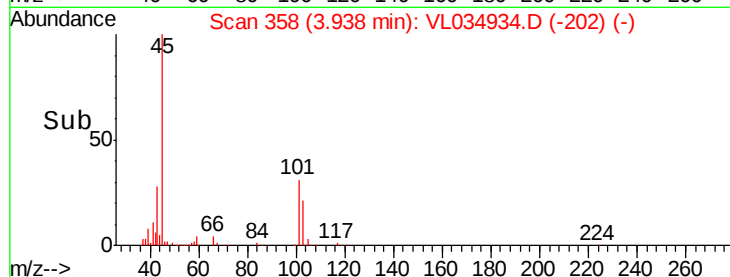
300000

200000

100000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 10.060 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Tgt Ion: 84 Resp: 423522

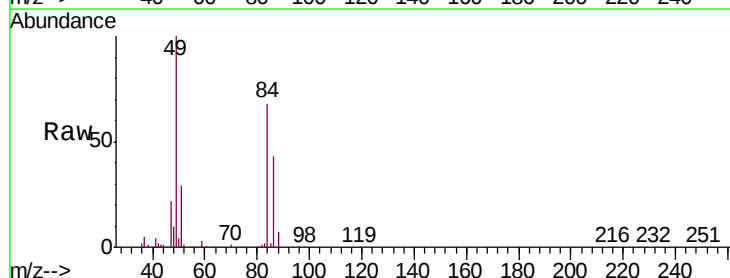
Ion Ratio Lower Upper

84 100

49 144.3 121.5 182.3

51 41.4 36.6 55.0

86 62.9 48.2 72.2



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

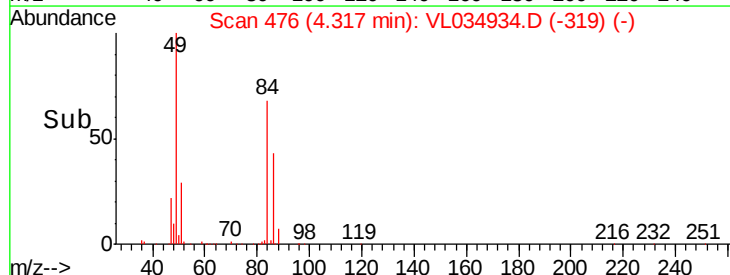
600000

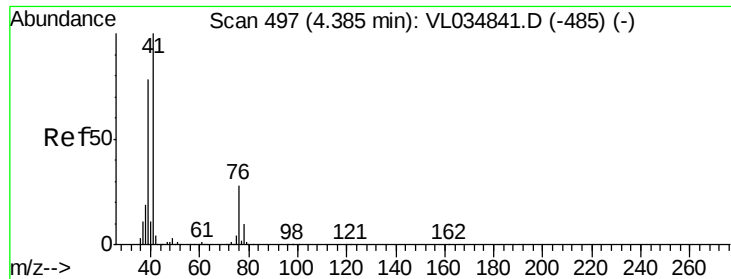
400000

200000

0

Time--> 4.25 4.30 4.35

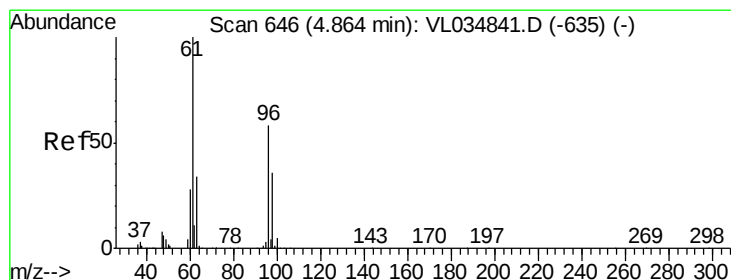
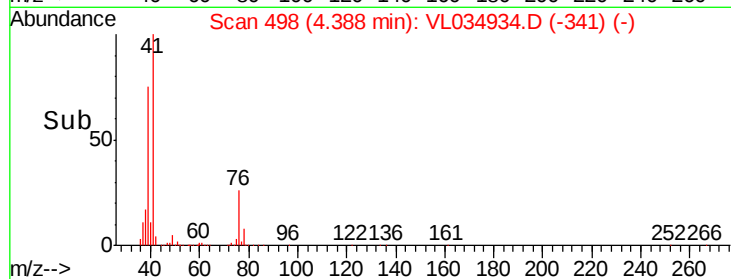
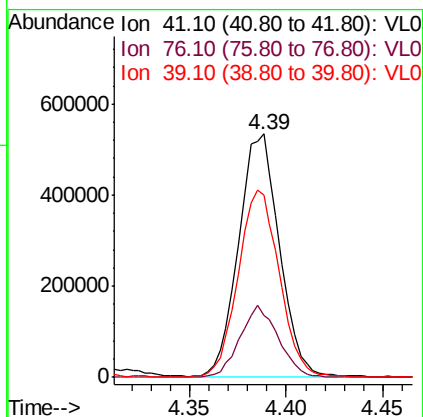
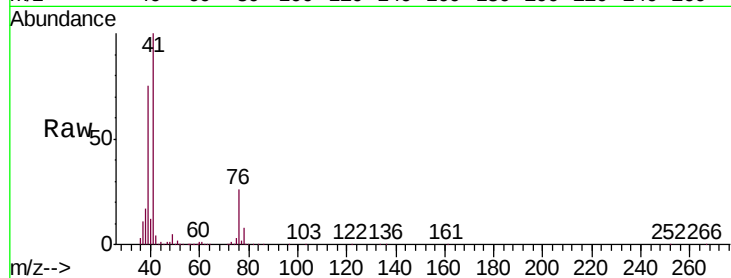




#21
 Allyl Chloride
 Concen: 9.106 ppbv
 RT: 4.39 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

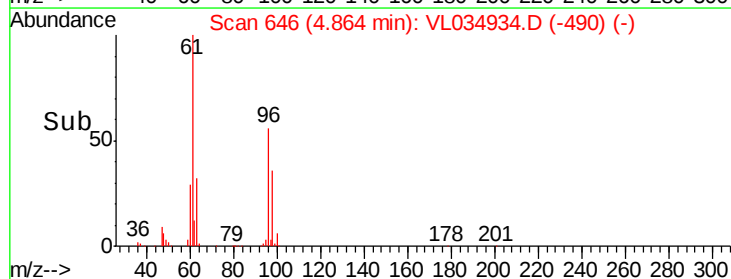
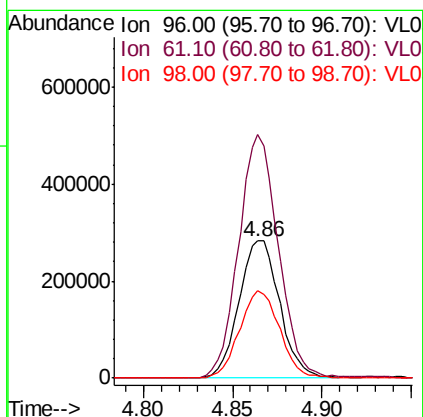
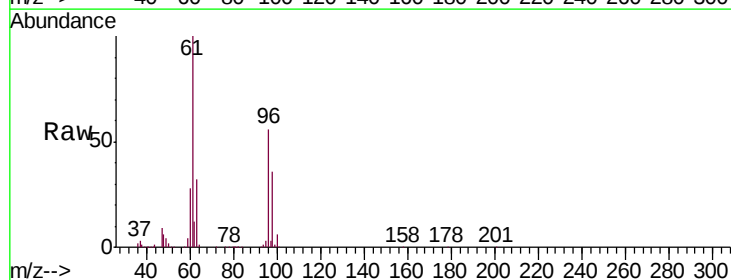
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

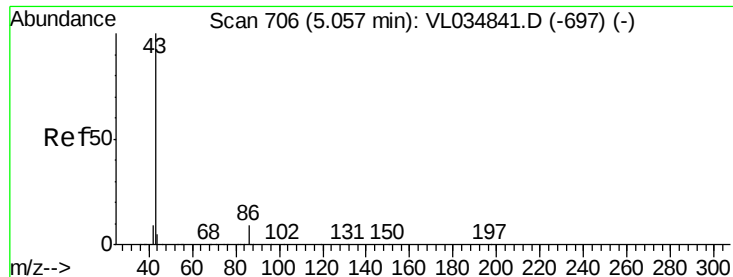
Tgt Ion: 41 Resp: 778796
 Ion Ratio Lower Upper
 41 100
 76 28.2 22.2 33.2
 39 78.3 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 9.601 ppbv
 RT: 4.86 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 96 Resp: 451872
 Ion Ratio Lower Upper
 96 100
 61 177.3 139.0 208.6
 98 63.6 50.3 75.5





#23

Vinyl Acetate

Concen: 9.122 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1794288

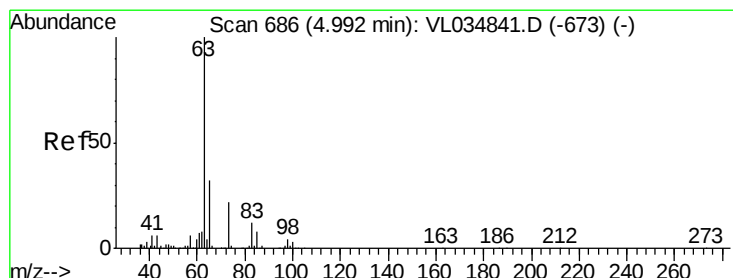
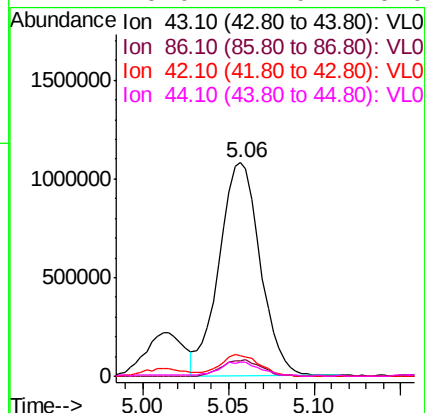
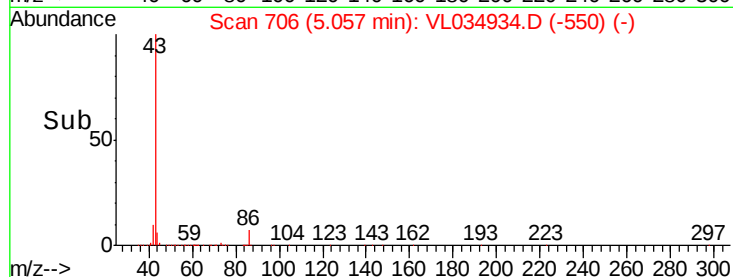
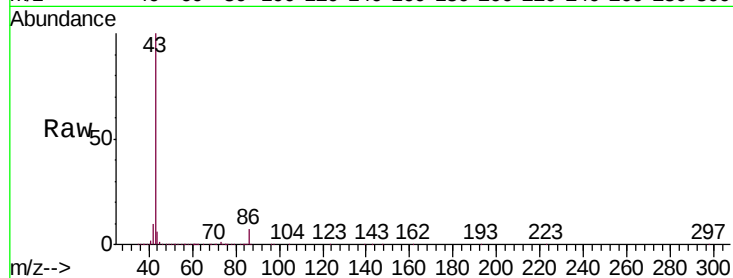
Ion Ratio Lower Upper

43 100

86 7.4 6.3 9.5

42 9.7 7.8 11.8

44 6.0 4.0 6.0#



#24

1,1-Dichloroethane

Concen: 9.327 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

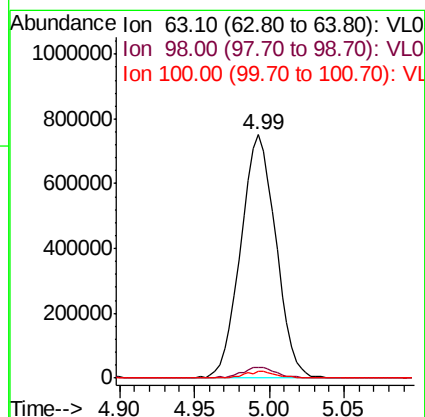
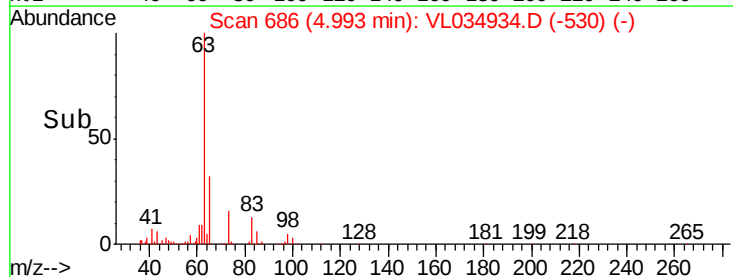
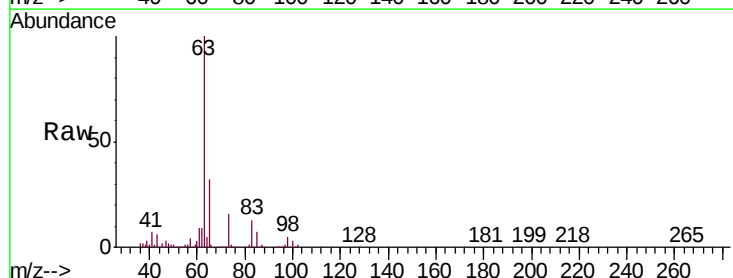
Tgt Ion: 63 Resp: 1229961

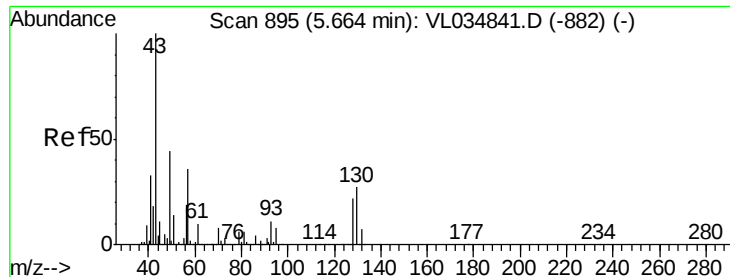
Ion Ratio Lower Upper

63 100

98 4.4 2.0 5.8

100 2.6 1.4 4.0



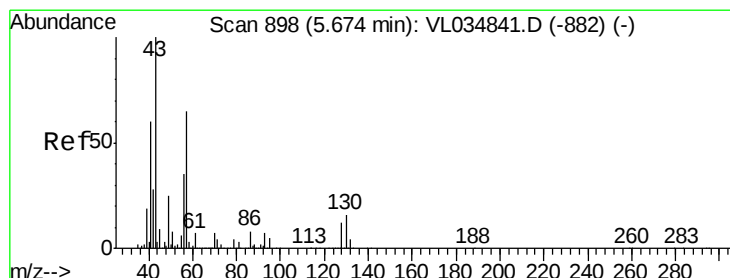
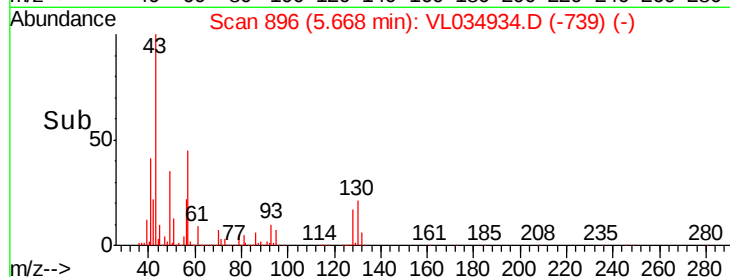
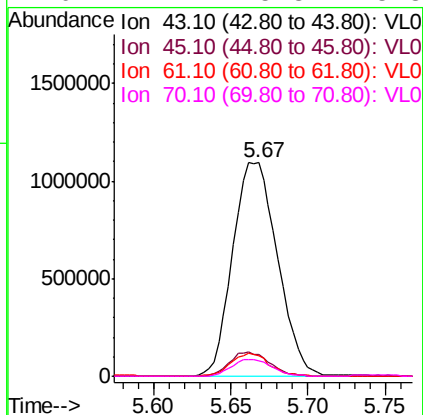
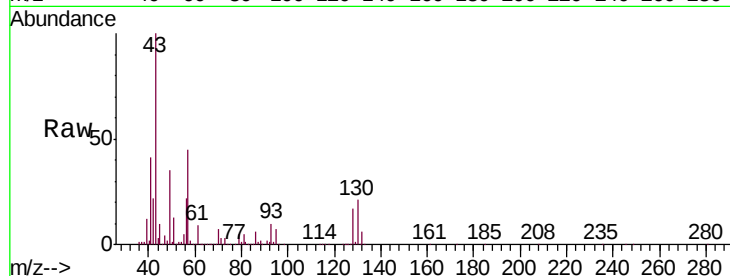


#25
Ethyl Acetate
Concen: 9.293 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2204588

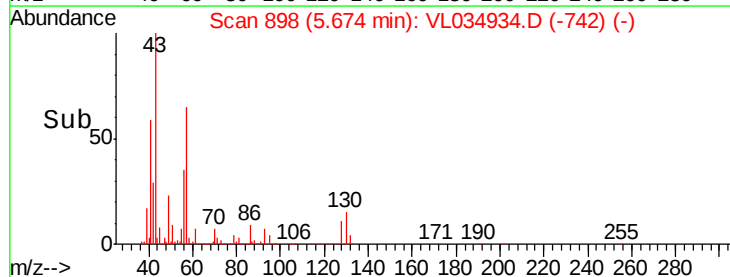
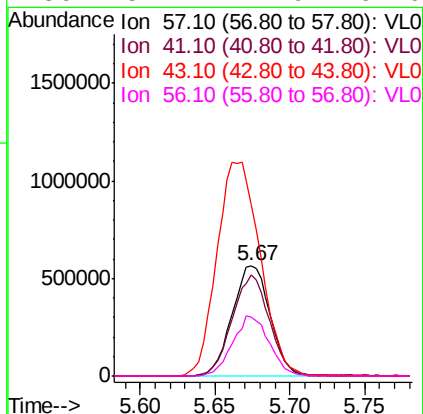
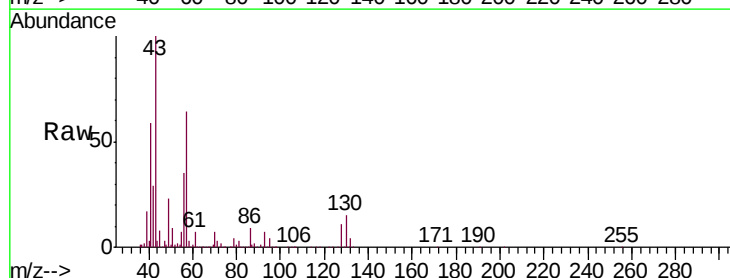
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.4	7.8	11.6
70	7.2	5.8	8.8

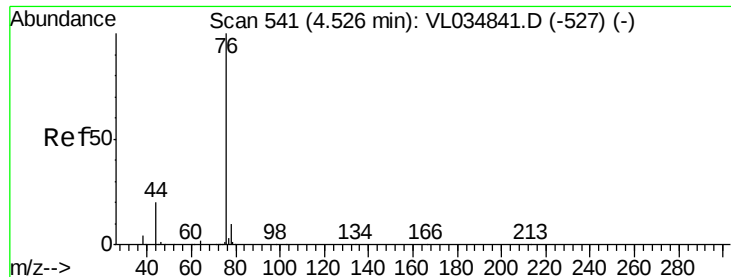


#26
Hexane
Concen: 9.708 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 57 Resp: 991746

Ion	Ratio	Lower	Upper
57	100		
41	90.7	72.6	109.0
43	224.1	183.8	275.6
56	52.7	41.9	62.9





#27

Carbon Disulfide

Concen: 10.147 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

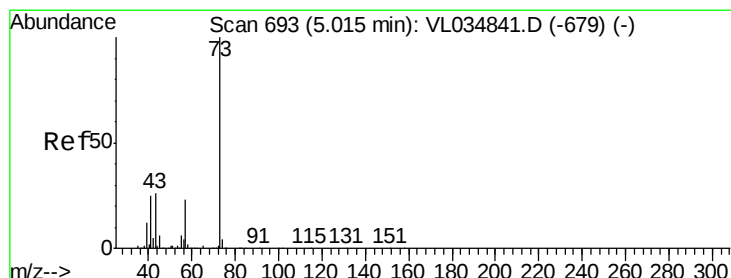
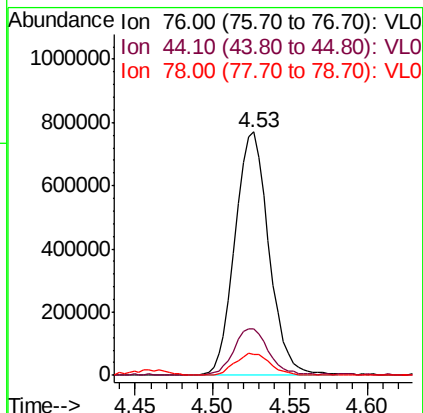
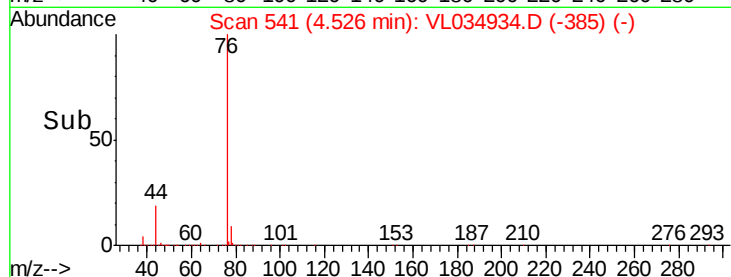
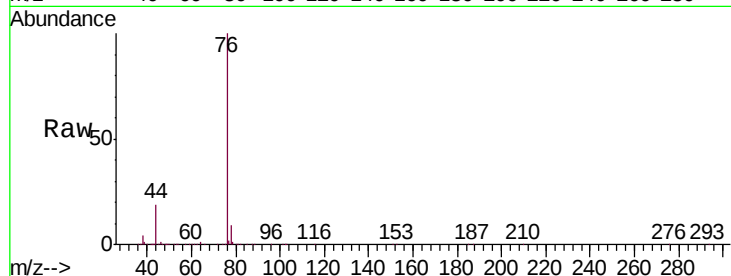
Tgt Ion: 76 Resp: 1176284

Ion Ratio Lower Upper

76 100

44 19.5 16.2 24.2

78 9.7 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 8.539 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034934.D

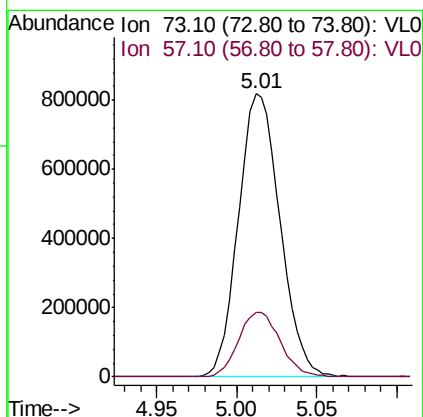
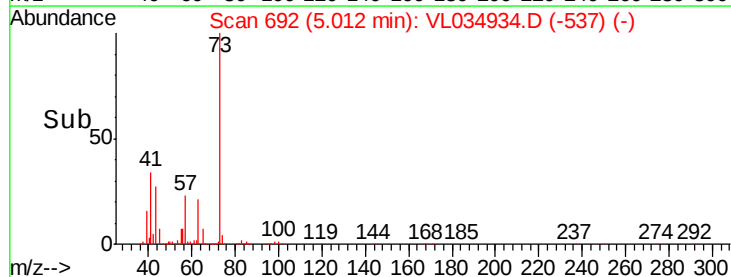
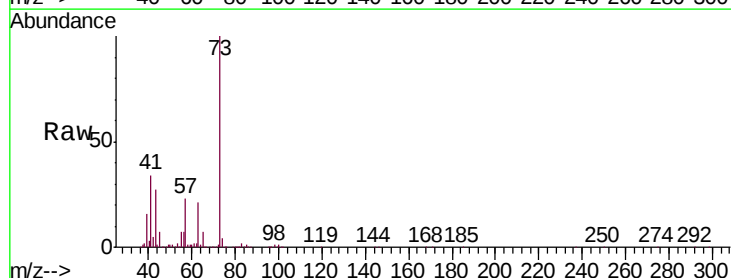
Acq: 23 Mar 2020 18:00

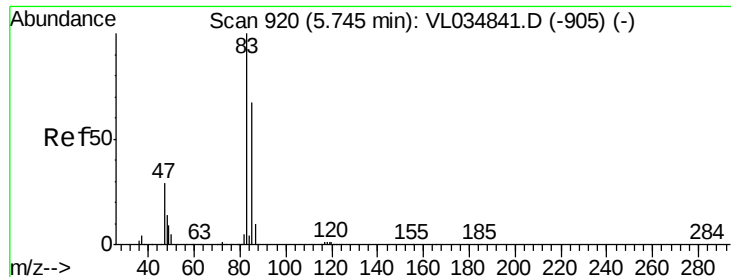
Tgt Ion: 73 Resp: 1451422

Ion Ratio Lower Upper

73 100

57 23.1 18.3 27.5

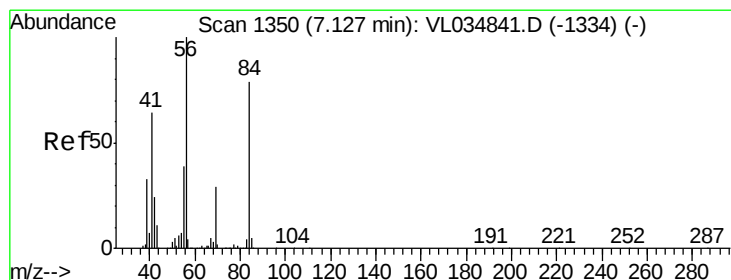
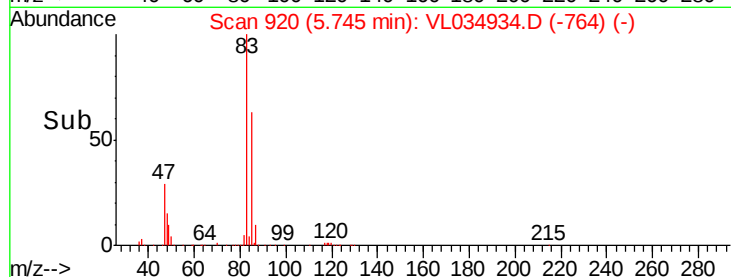
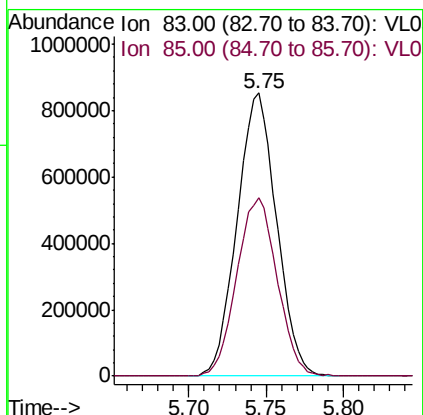
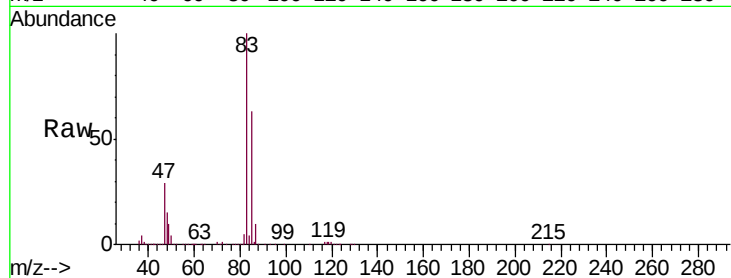




#29
Chloroform
Concen: 9.689 ppbv
RT: 5.75 min Scan# 920
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

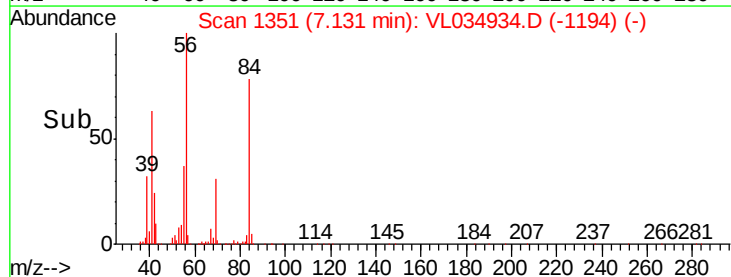
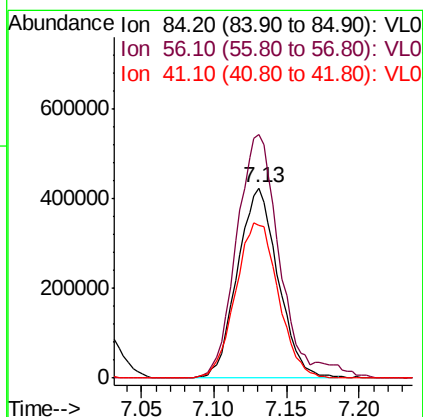
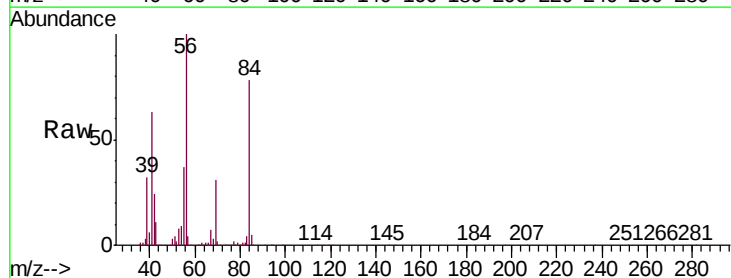
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

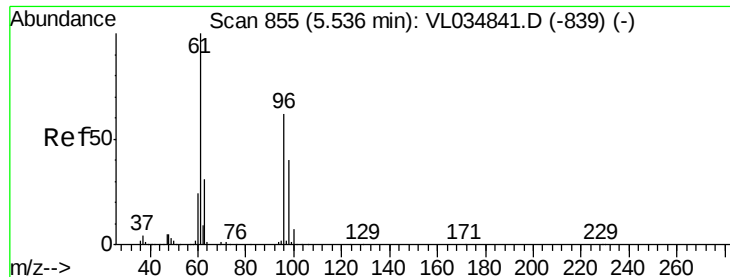
Tgt Ion: 83 Resp: 1510222
Ion Ratio Lower Upper
83 100
85 62.9 53.8 80.6



#30
Cyclohexane
Concen: 9.583 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 84 Resp: 816808
Ion Ratio Lower Upper
84 100
56 138.7 110.5 165.7
41 86.8 68.2 102.4





#31

cis-1,2-Dichloroethene

Concen: 9.406 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

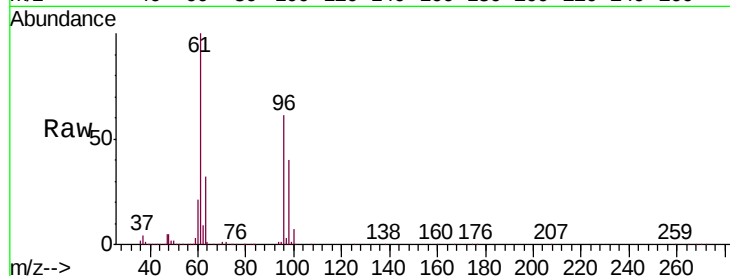
Tgt Ion: 61 Resp: 982639

Ion Ratio Lower Upper

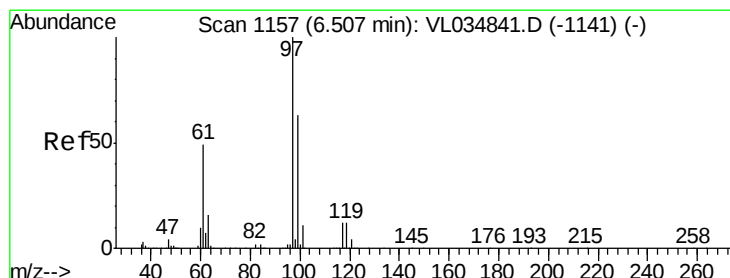
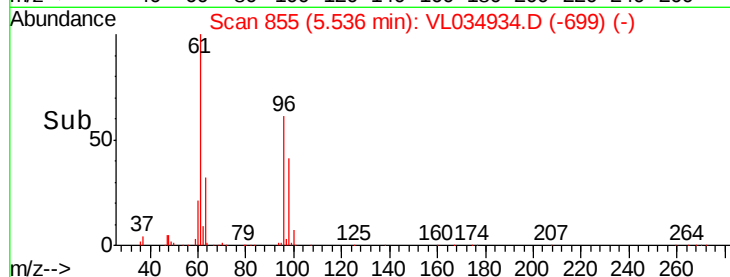
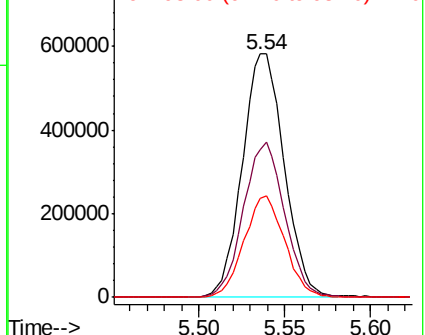
61 100

96 60.8 49.8 74.8

98 40.4 32.2 48.4



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: 9.473 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

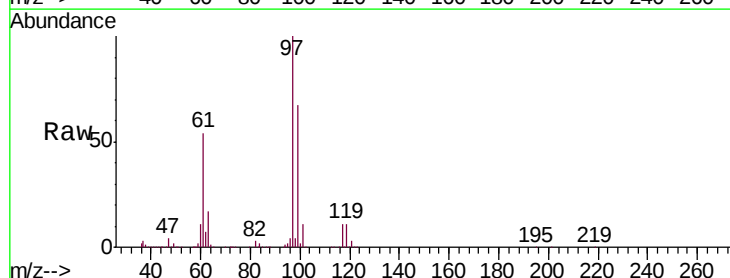
Tgt Ion: 97 Resp: 1438767

Ion Ratio Lower Upper

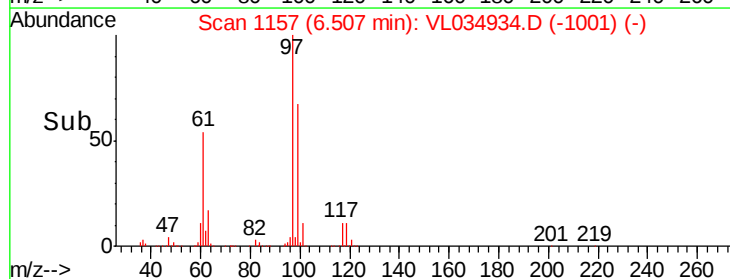
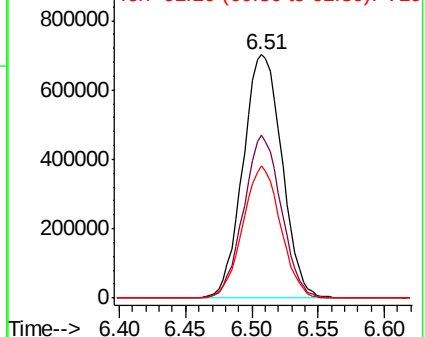
97 100

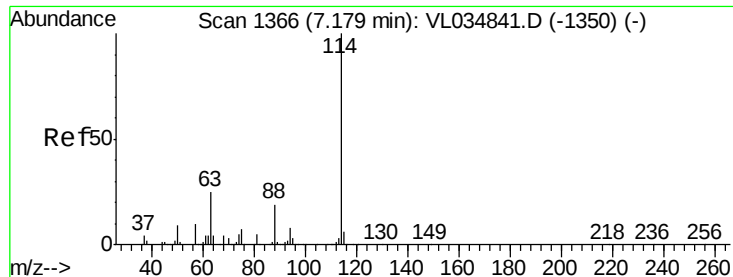
99 64.5 51.1 76.7

61 52.5 39.7 59.5



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

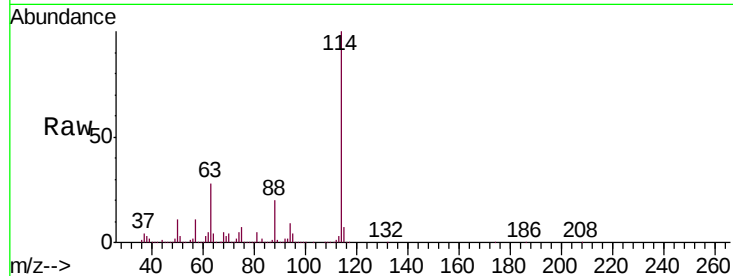




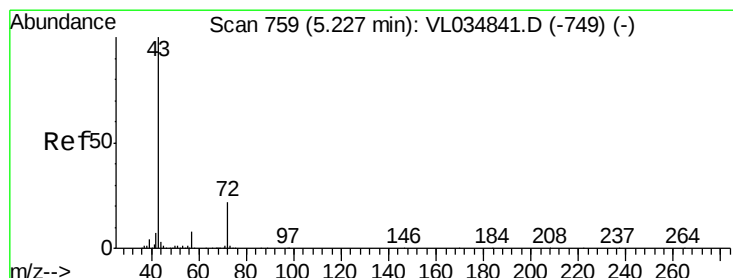
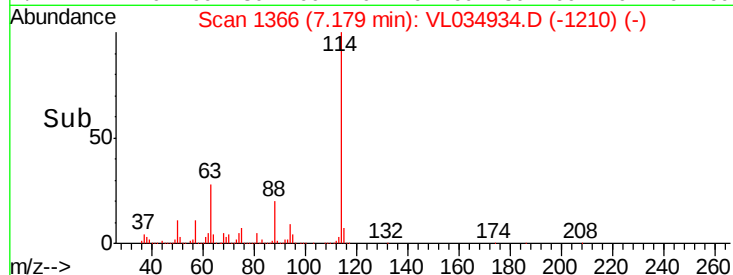
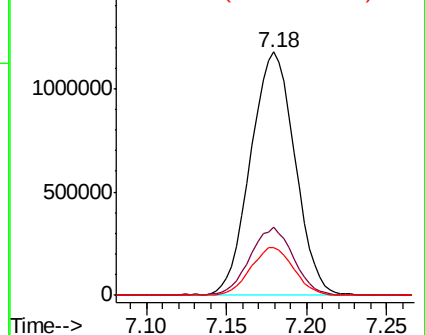
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 2238684
 Ion Ratio Lower Upper
 114 100
 63 27.9 20.6 31.0
 88 19.2 15.0 22.6

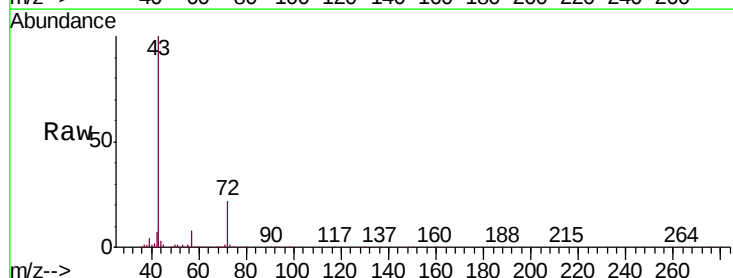


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

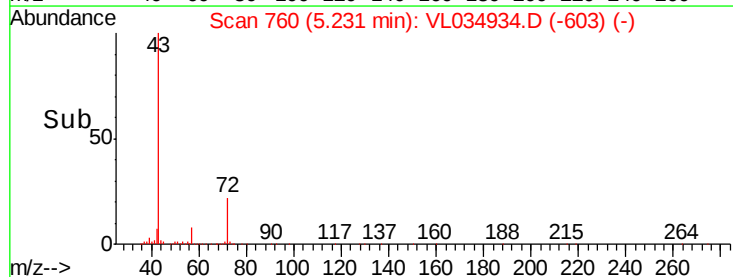
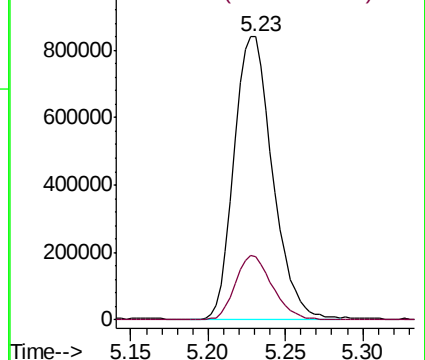


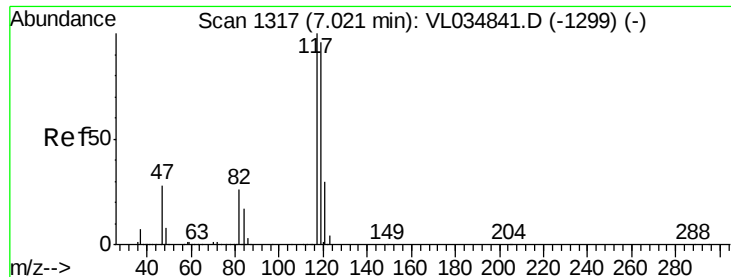
#34
 2-Butanone
 Concen: 9.752 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 43 Resp: 1450846
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.6 26.4



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





#35

Carbon Tetrachloride

Concen: 10.571 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

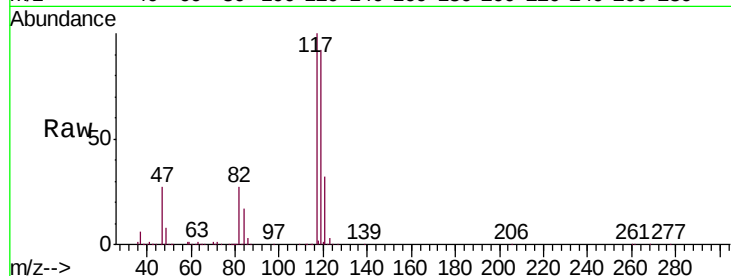
Tgt Ion:117 Resp: 1471873

Ion Ratio Lower Upper

117 100

119 92.5 77.0 115.4

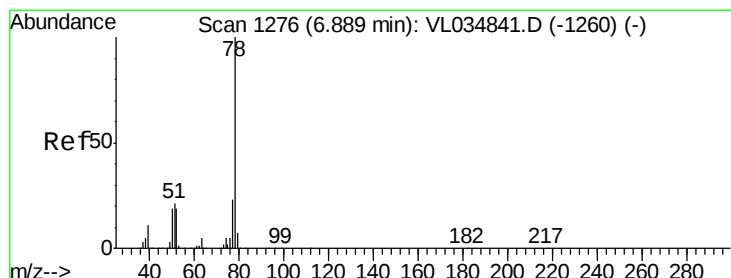
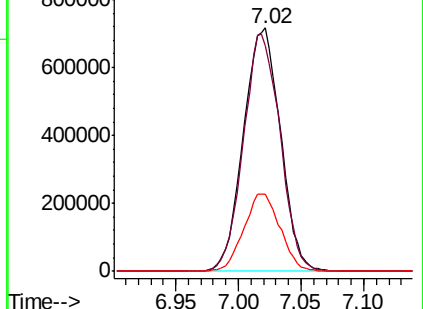
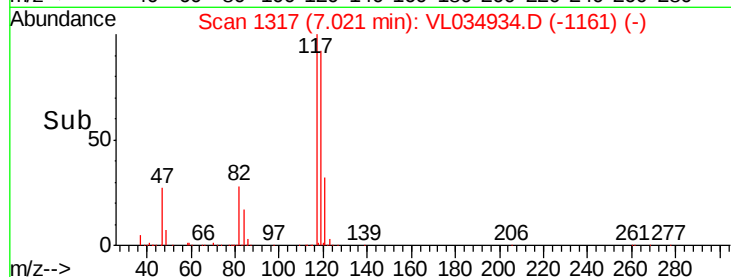
121 31.7 24.0 36.0



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: 9.726 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

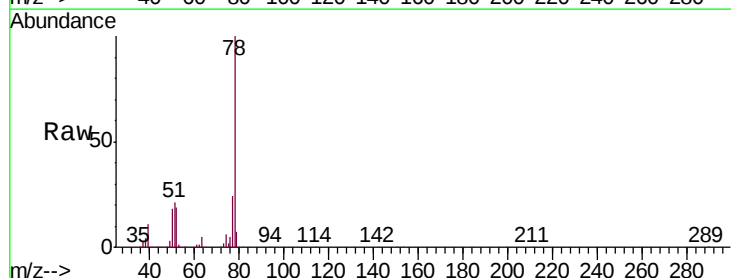
Tgt Ion: 78 Resp: 1940807

Ion Ratio Lower Upper

78 100

77 23.6 18.2 27.2

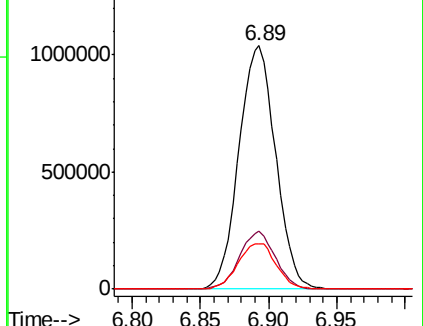
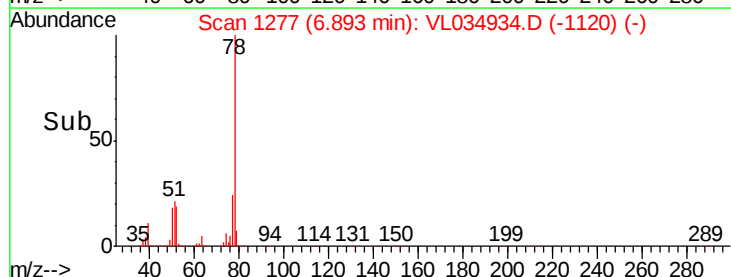
50 18.5 15.2 22.8

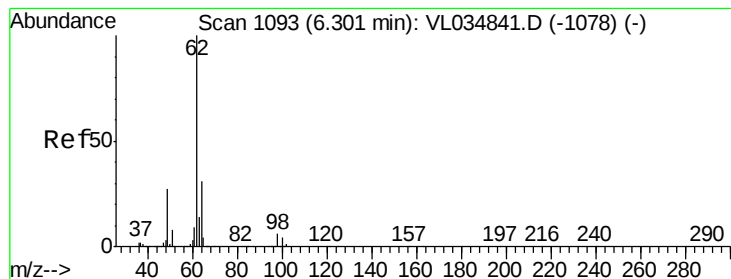


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.287 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

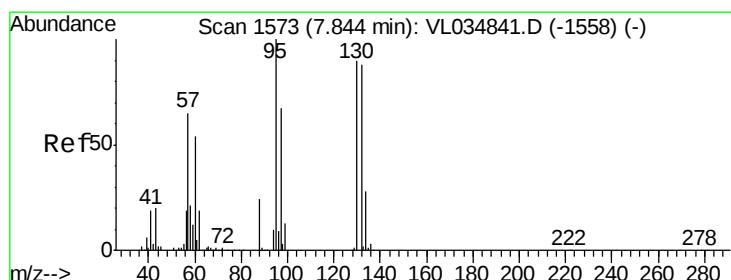
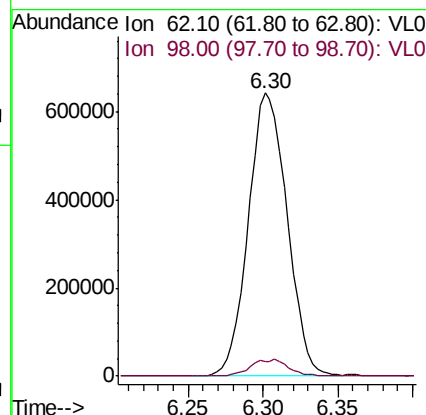
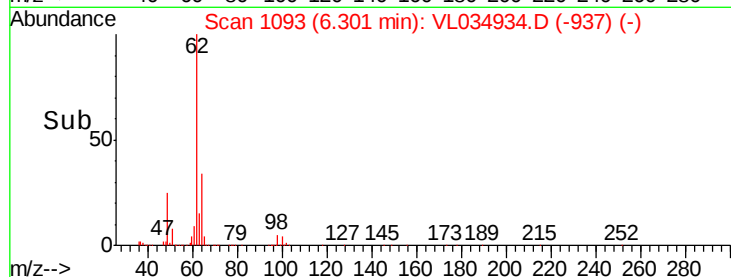
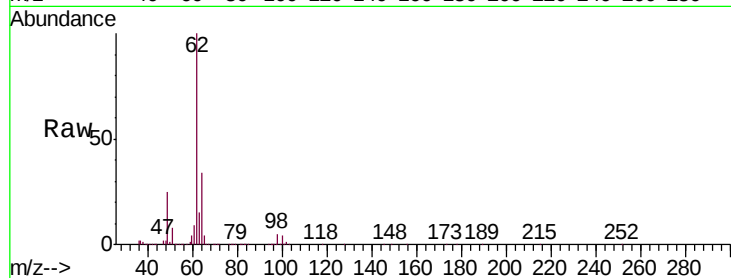
VSTDCCC010EC

Tgt Ion: 62 Resp: 1157482

Ion Ratio Lower Upper

62 100

98 5.8 5.2 7.8



#38

Trichloroethene

Concen: 9.805 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Tgt Ion: 130 Resp: 743084

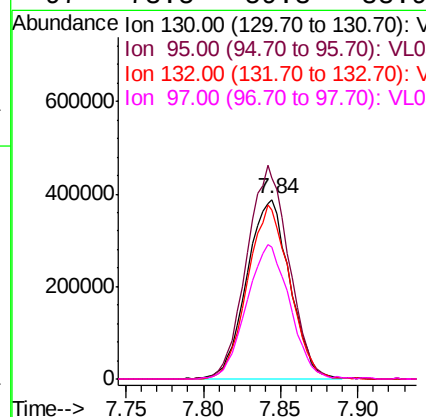
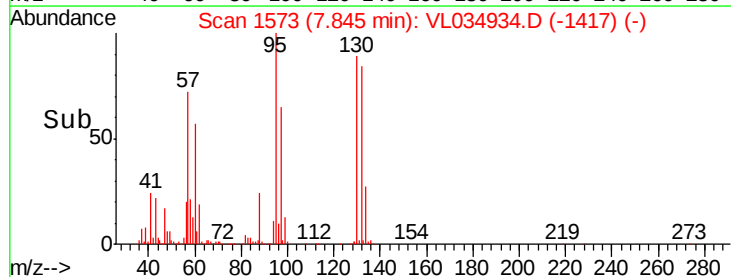
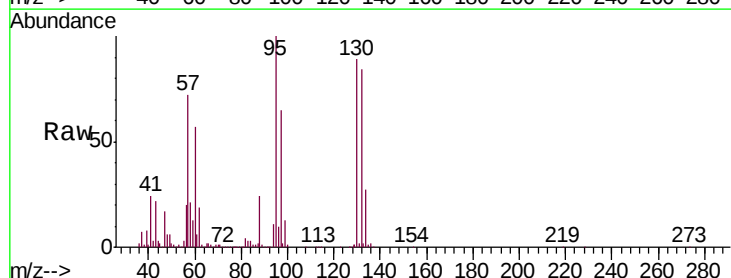
Ion Ratio Lower Upper

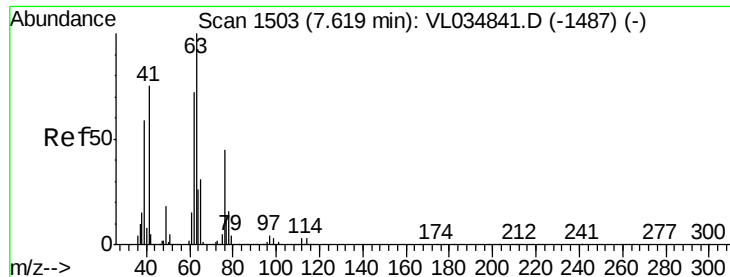
130 100

95 112.5 88.5 132.7

132 94.6 78.0 117.0

97 73.5 59.3 88.9





#39

1,2-Dichloropropane

Concen: 9.742 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

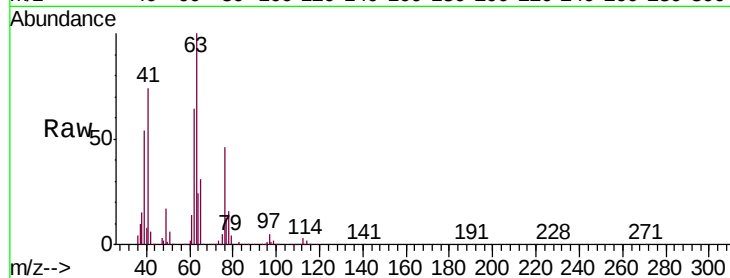
Tgt Ion: 63 Resp: 770206

Ion Ratio Lower Upper

63 100

41 73.6 59.8 89.8

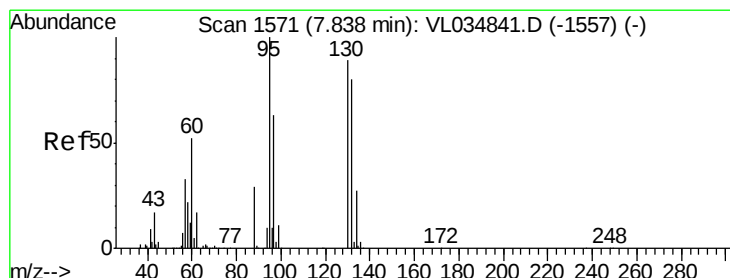
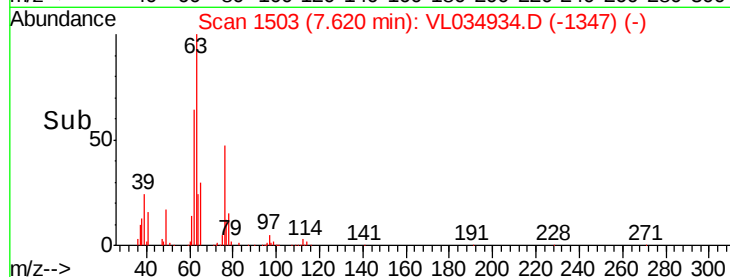
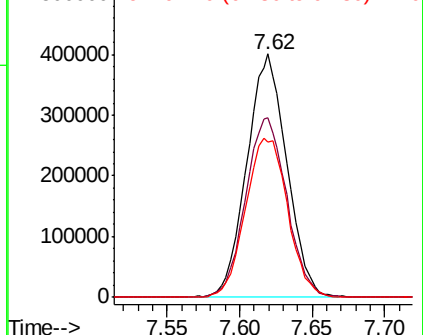
62 63.8 57.6 86.4



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: 9.032 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Tgt Ion: 88 Resp: 269672

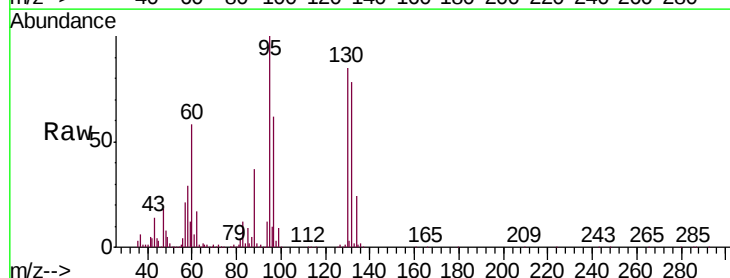
Ion Ratio Lower Upper

88 100

58 142.3 103.9 155.9

43 290.5 0.0 0.0#

57 1272.7 0.0 0.0#

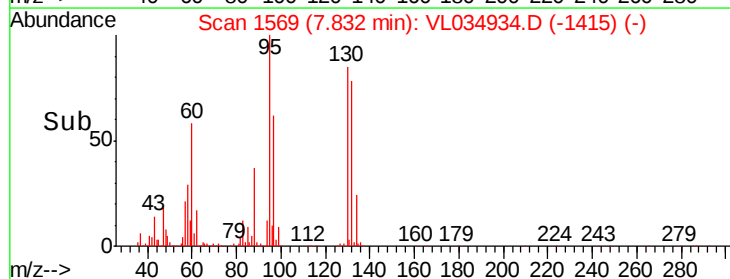
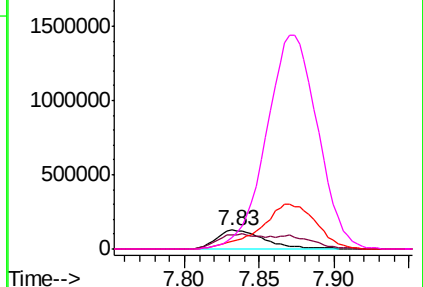


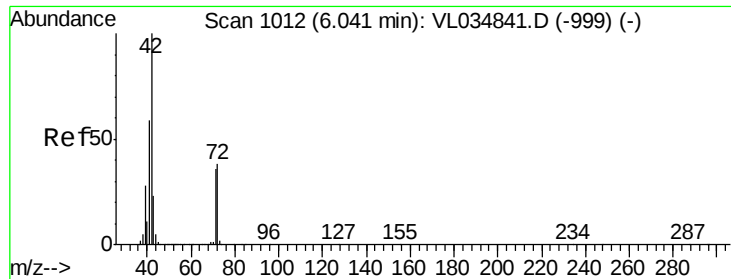
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 10.115 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

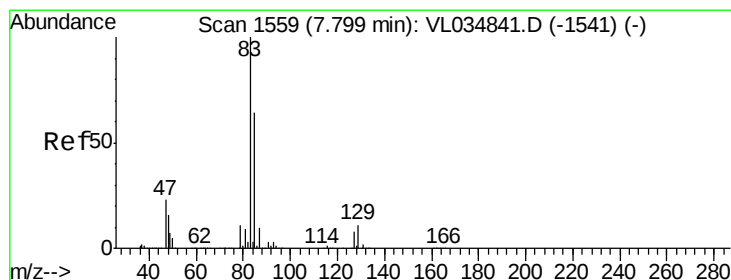
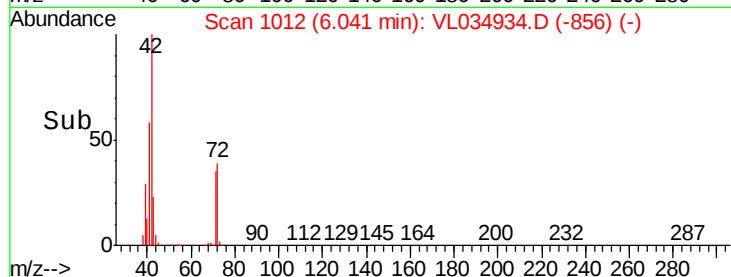
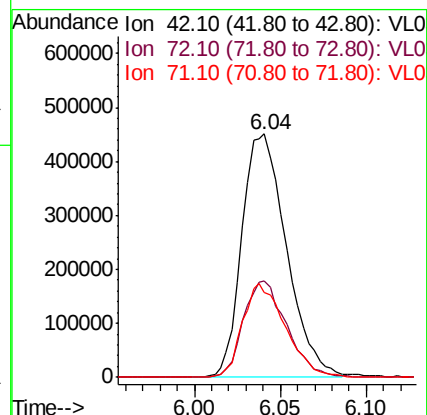
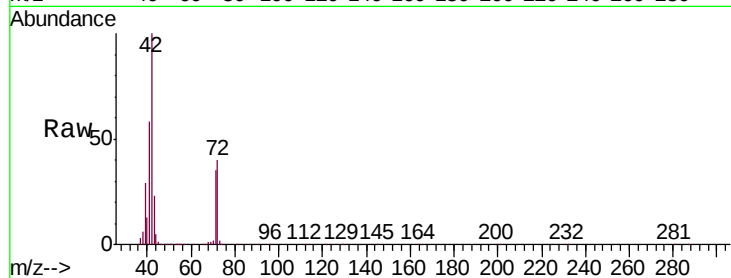
Tgt Ion: 42 Resp: 814290

Ion Ratio Lower Upper

42 100

72 38.7 30.8 46.2

71 37.3 30.1 45.1



#42

Bromodichloromethane

Concen: 10.346 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

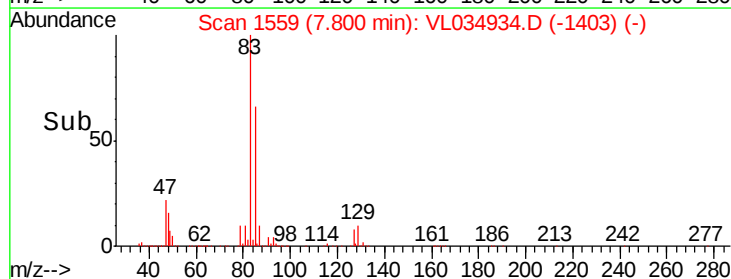
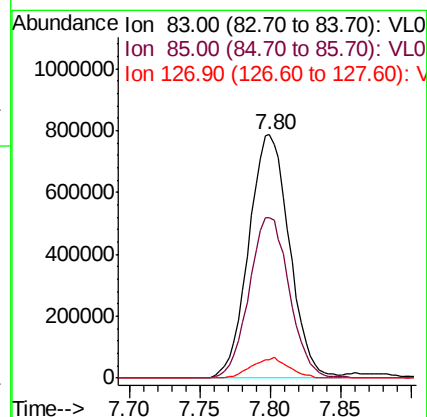
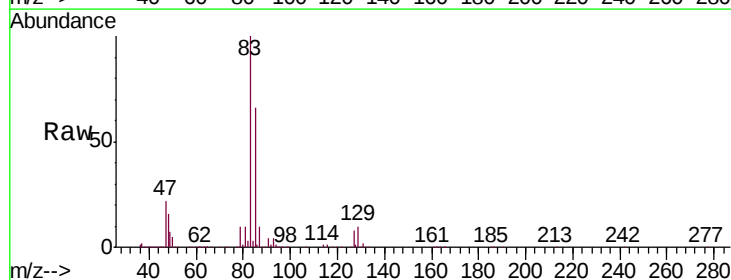
Tgt Ion: 83 Resp: 1586507

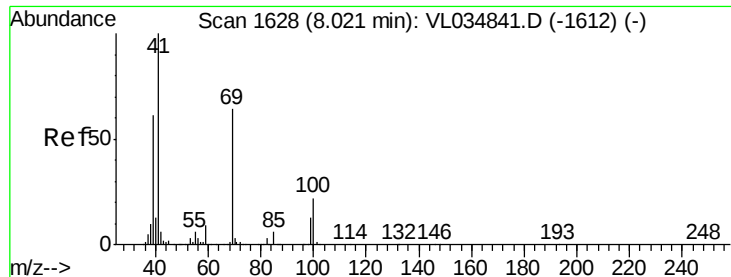
Ion Ratio Lower Upper

83 100

85 66.1 51.4 77.2

127 7.7 6.2 9.4

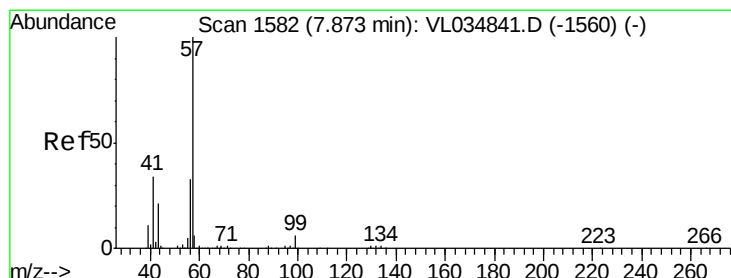
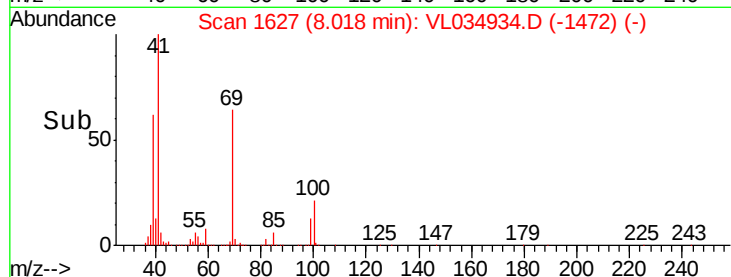
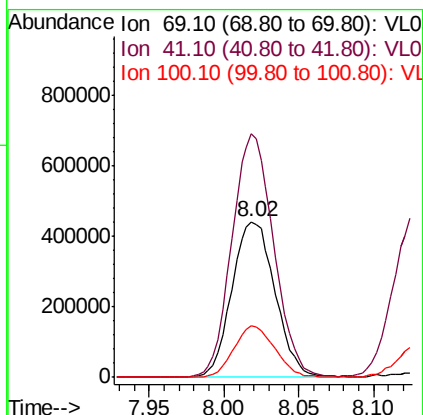
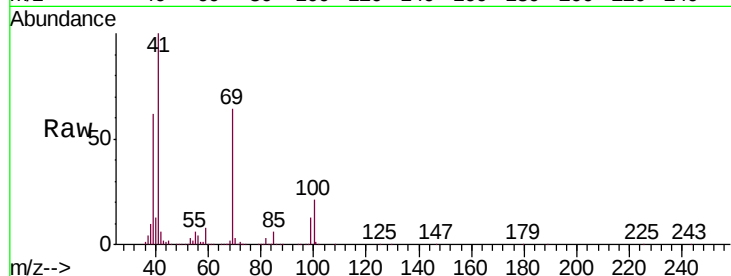




#43
Methyl Methacrylate
Concen: 10.485 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

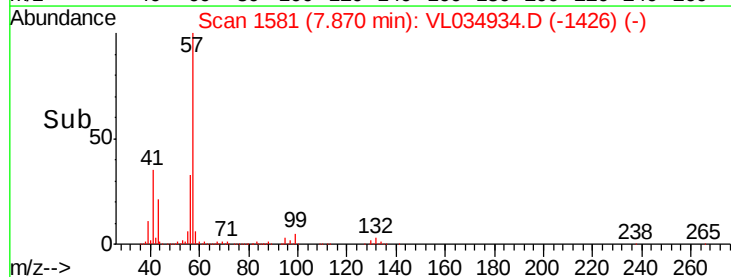
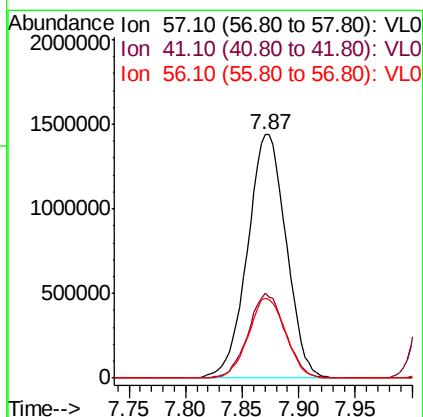
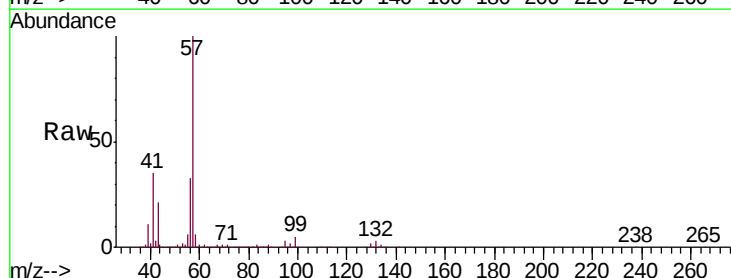
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

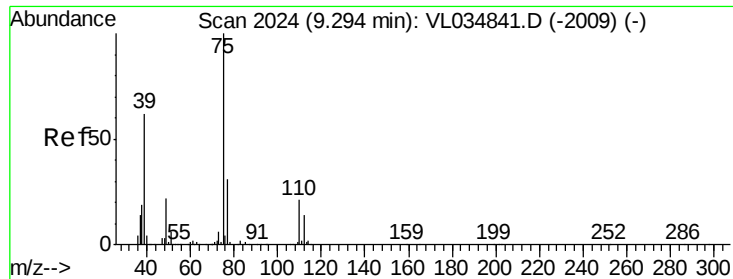
Tgt Ion: 69 Resp: 881479
Ion Ratio Lower Upper
69 100
41 152.0 123.2 184.8
100 31.5 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 10.157 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 57 Resp: 3425011
Ion Ratio Lower Upper
57 100
41 33.4 26.2 39.4
56 31.8 25.0 37.4

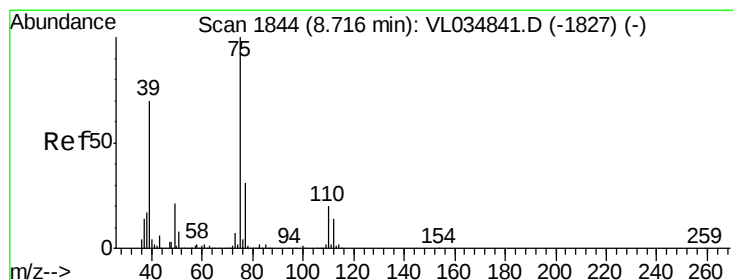
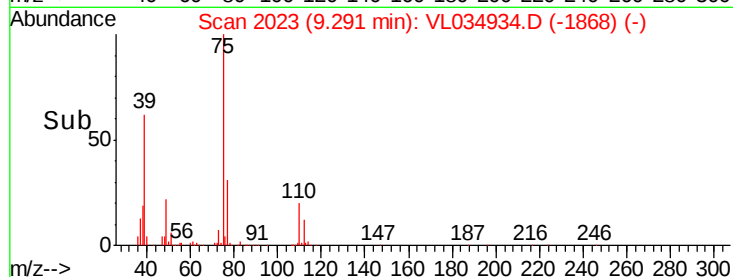
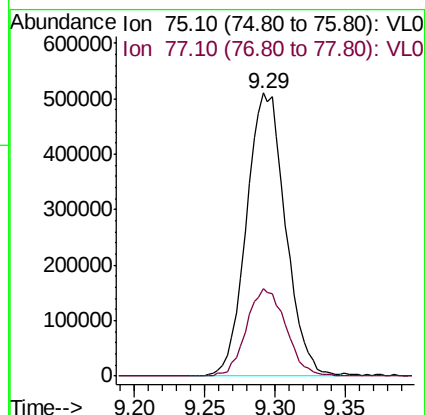
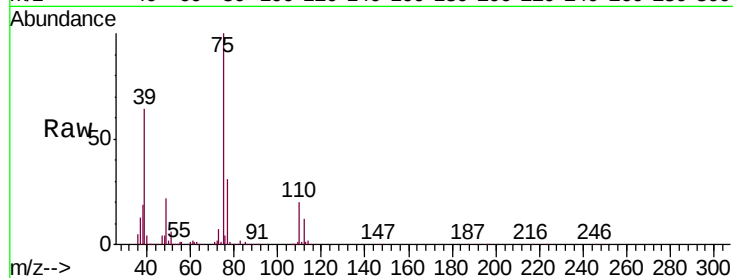




#45
 t-1,3-Dichloropropene
 Concen: 10.027 ppbv
 RT: 9.29 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

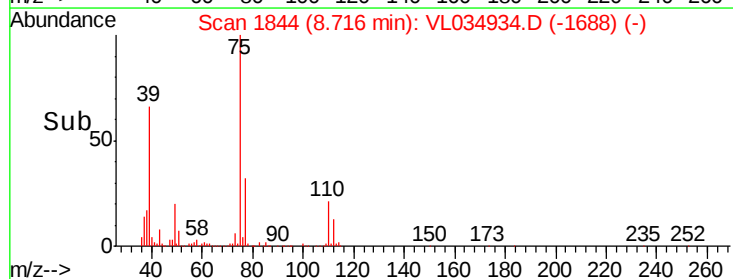
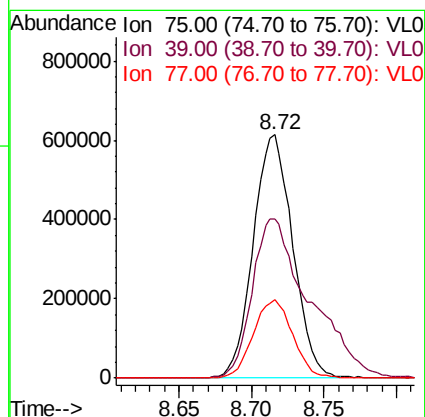
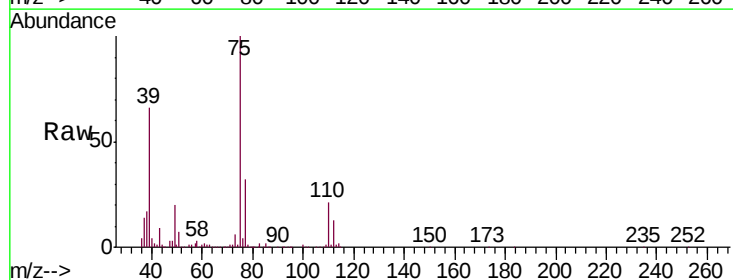
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

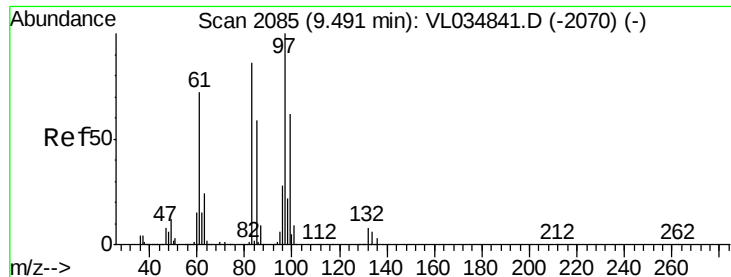
Tgt Ion: 75 Resp: 990309
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0



#46
 cis-1,3-Dichloropropene
 Concen: 9.941 ppbv
 RT: 8.72 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 75 Resp: 1166776
 Ion Ratio Lower Upper
 75 100
 39 65.6 55.7 83.5
 77 32.0 24.7 37.1

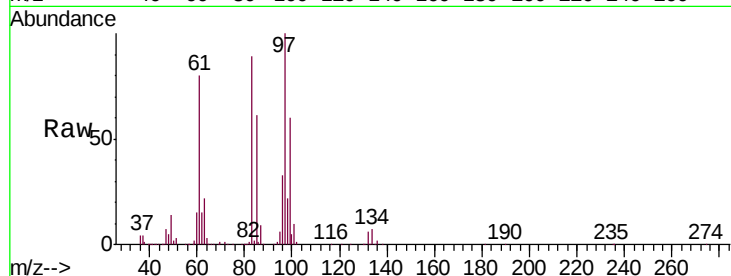




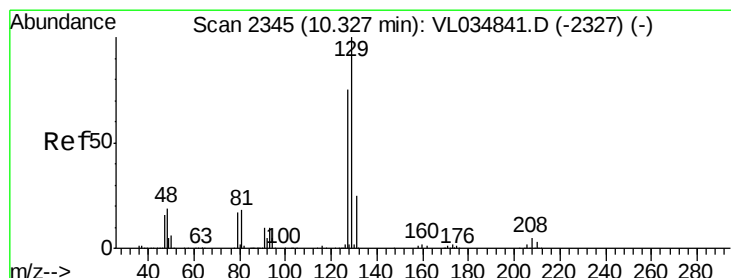
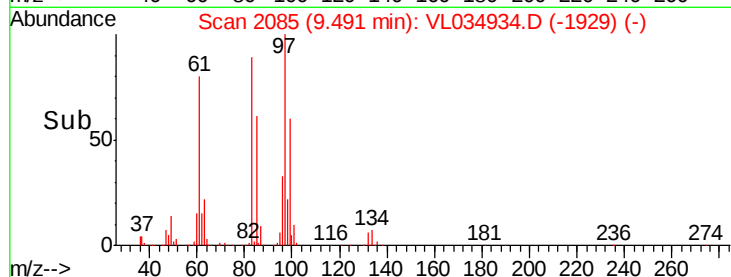
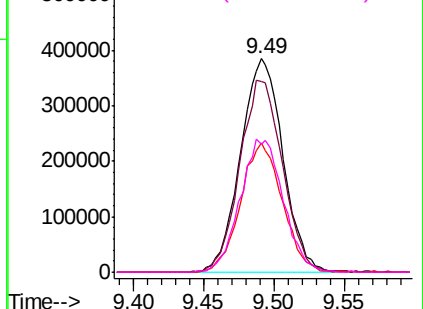
#47
 1,1,2-Trichloroethane
 Concen: 9.967 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 808705
 Ion Ratio Lower Upper
 97 100
 83 89.3 68.6 102.8
 85 60.6 46.9 70.3
 99 59.6 49.9 74.9

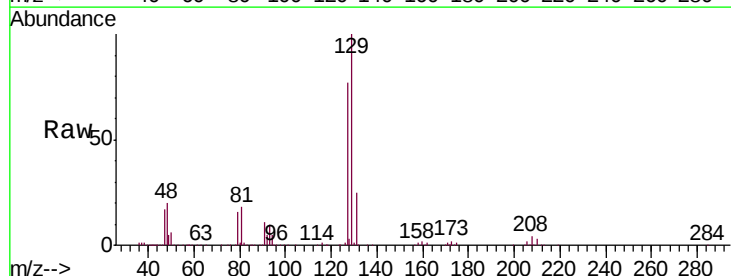


Abundance Ion 97.00 (96.70 to 97.70): VL0
 600000 Ion 83.00 (82.70 to 83.70): VL0
 500000 Ion 85.00 (84.70 to 85.70): VL0
 400000 Ion 99.00 (98.70 to 99.70): VL0

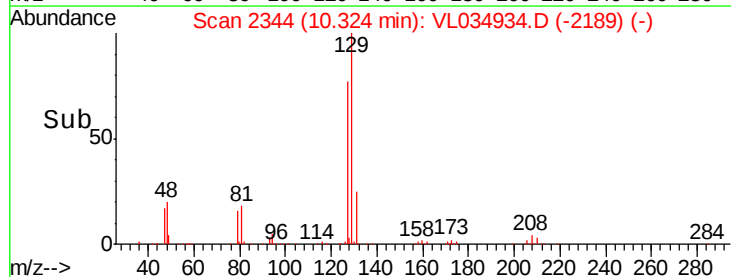
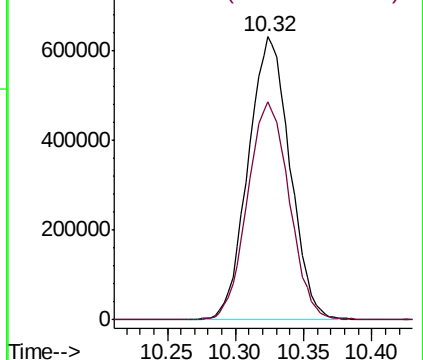


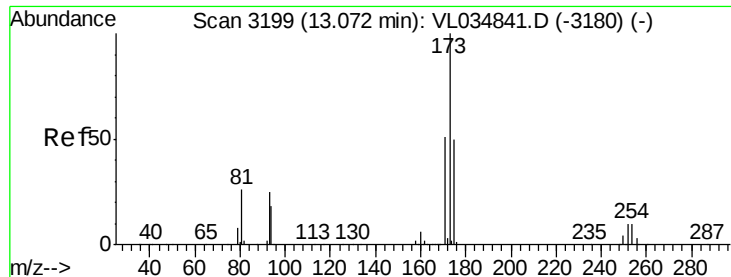
#48
 Dibromochloromethane
 Concen: 10.177 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 129 Resp: 1337161
 Ion Ratio Lower Upper
 129 100
 127 77.6 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V
 600000 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.051 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

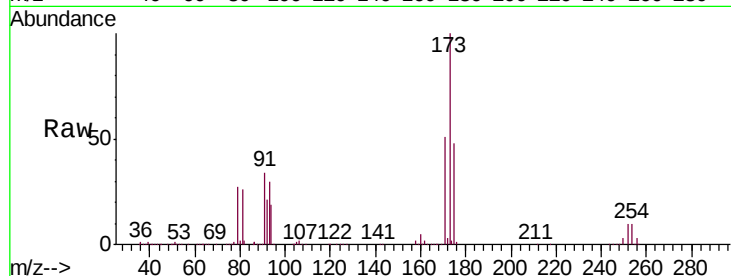
Tgt Ion:173 Resp: 1177494

Ion Ratio Lower Upper

173 100

175 49.7 39.6 59.4

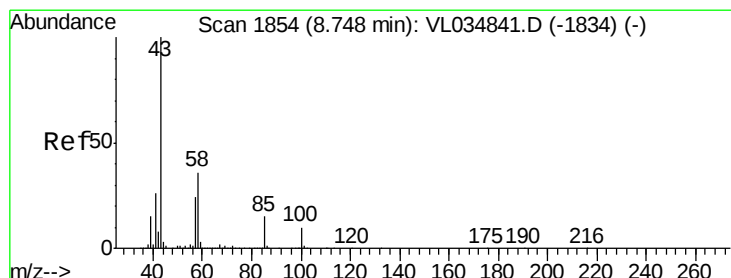
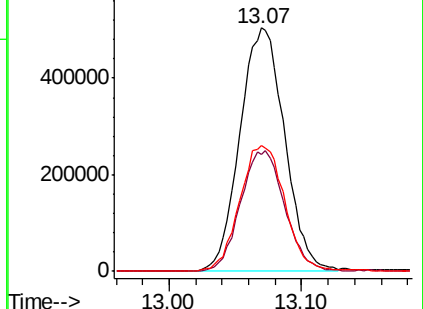
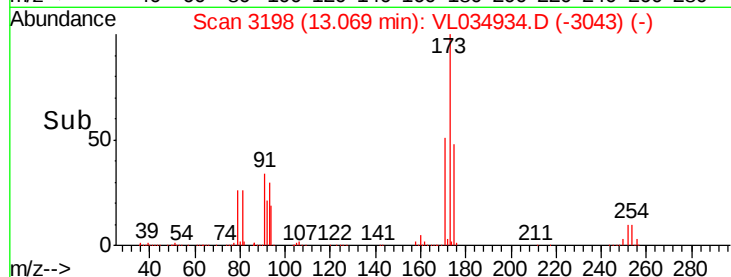
171 52.4 41.0 61.6



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: 10.318 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL034934.D

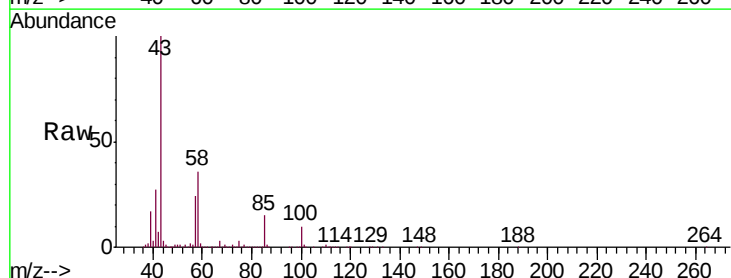
Acq: 23 Mar 2020 18:00

Tgt Ion: 43 Resp: 2209617

Ion Ratio Lower Upper

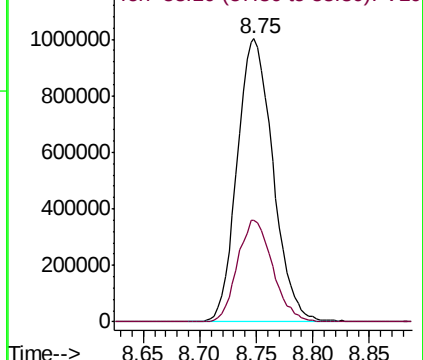
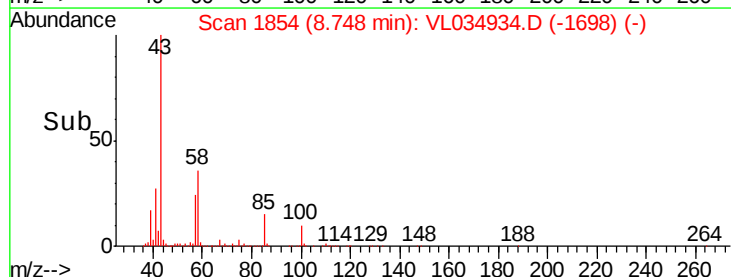
43 100

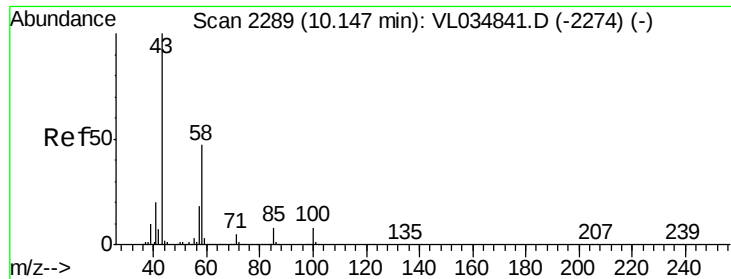
58 35.4 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

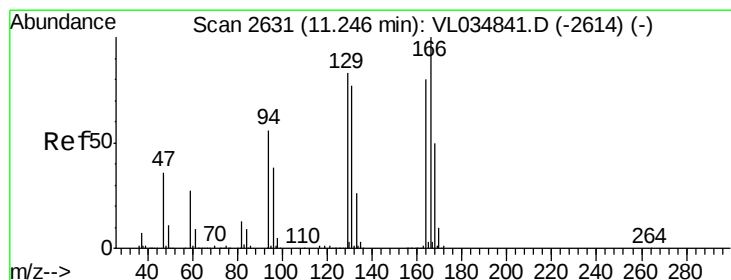
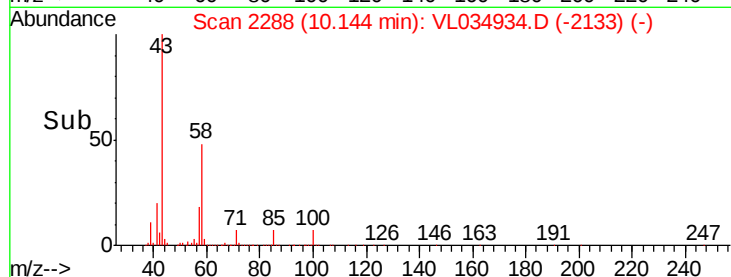
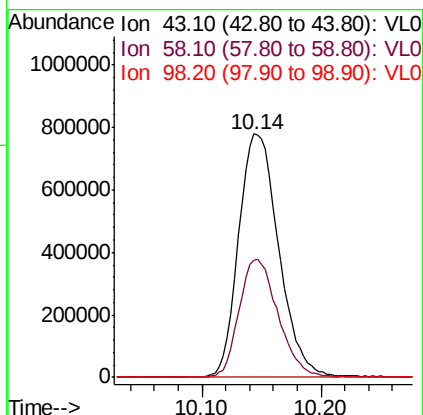
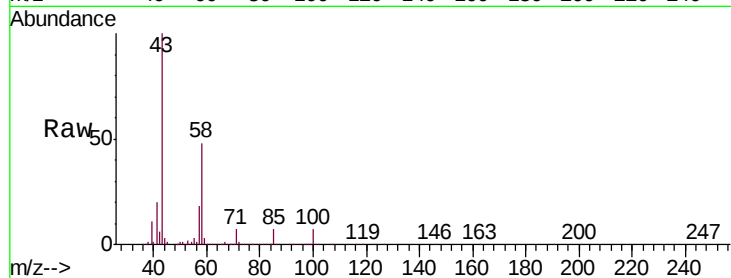




#51
2-Hexanone
Concen: 10.441 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

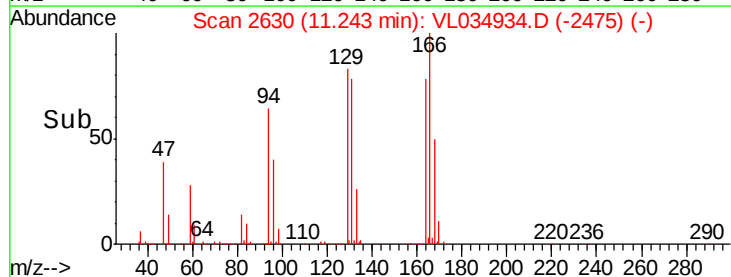
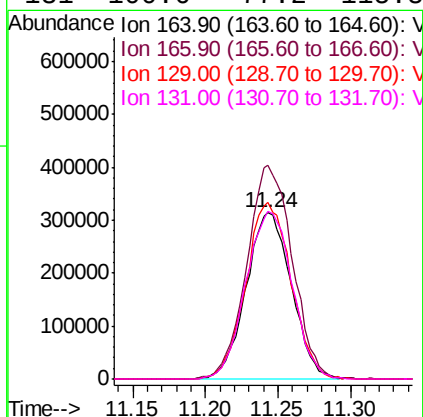
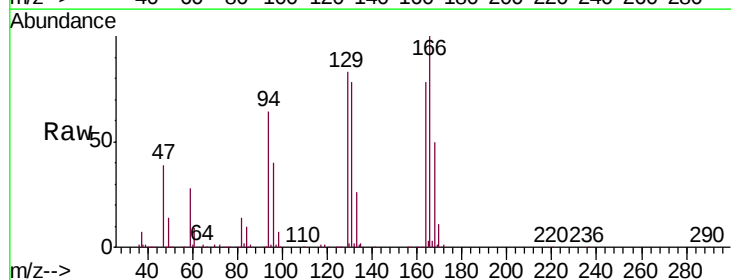
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

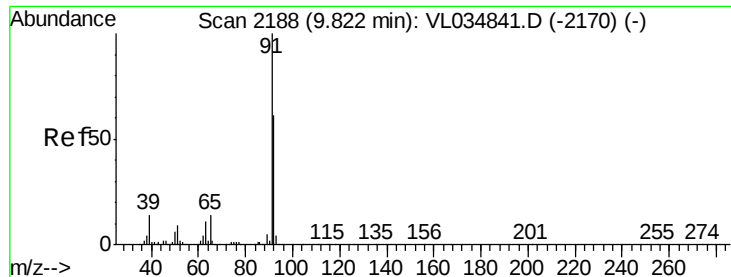
Tgt Ion: 43 Resp: 1817162
Ion Ratio Lower Upper
43 100
58 47.4 38.6 58.0
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.617 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 164 Resp: 680274
Ion Ratio Lower Upper
164 100
166 128.5 100.0 150.0
129 106.3 83.1 124.7
131 100.6 77.2 115.8





#53

Toluene

Concen: 9.860 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

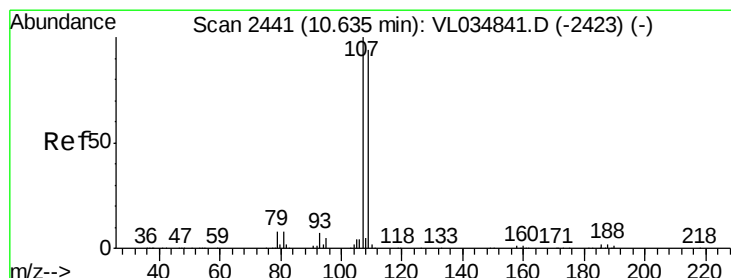
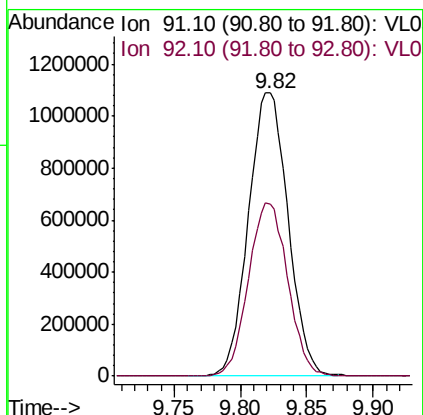
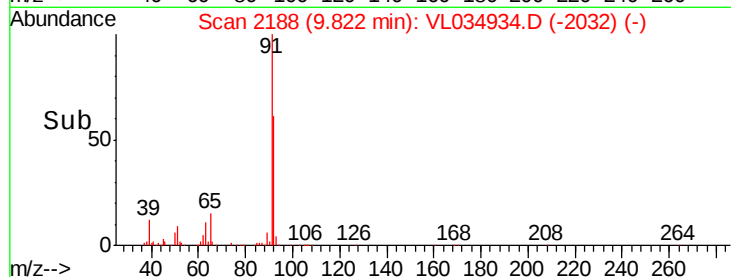
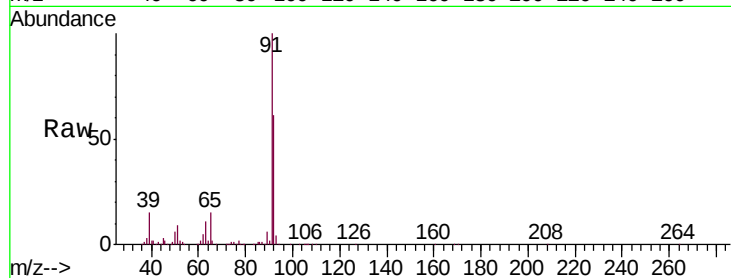
VSTDCCC010EC

Tgt Ion: 91 Resp: 2272053

Ion Ratio Lower Upper

91 100

92 60.7 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.991 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034934.D

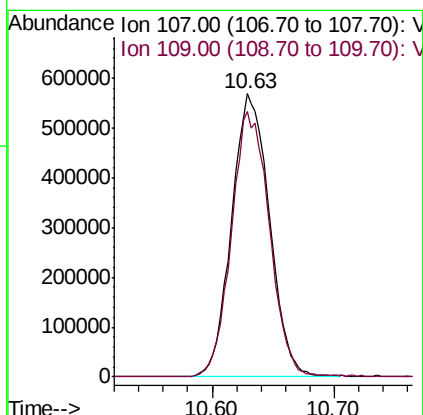
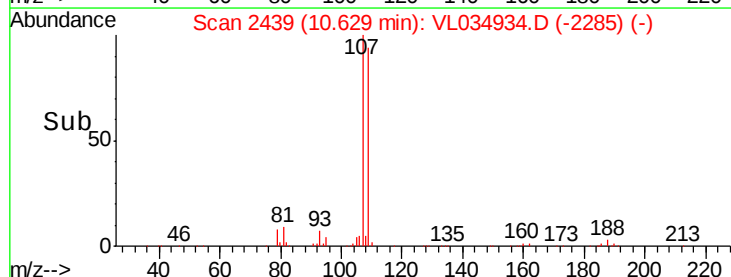
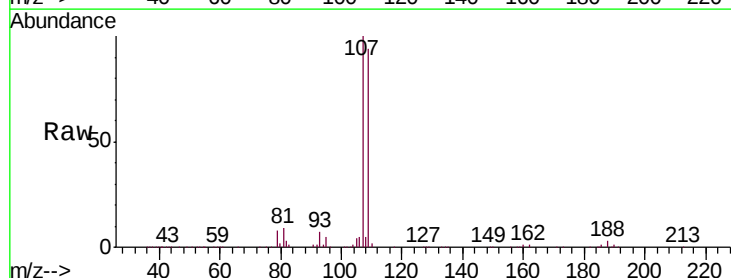
Acq: 23 Mar 2020 18:00

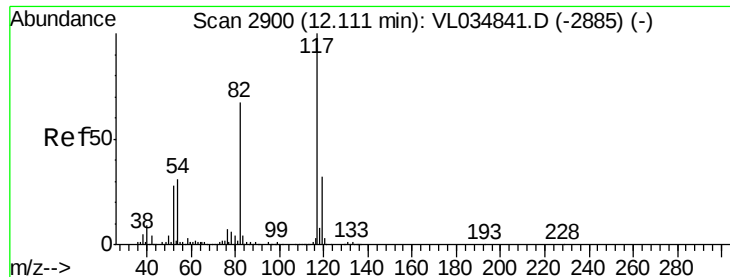
Tgt Ion: 107 Resp: 1220272

Ion Ratio Lower Upper

107 100

109 93.5 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

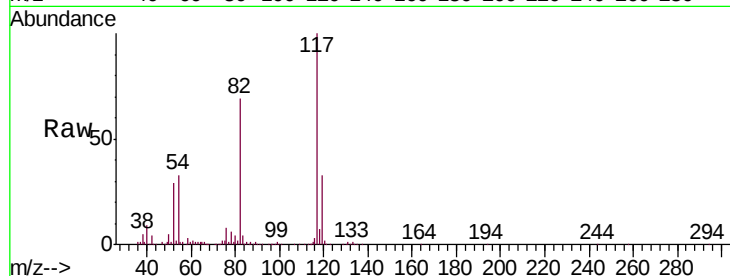
Tgt Ion:117 Resp: 2421474

Ion Ratio Lower Upper

117 100

82 66.6 51.1 76.7

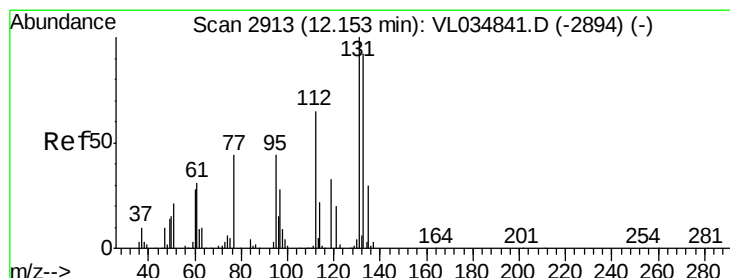
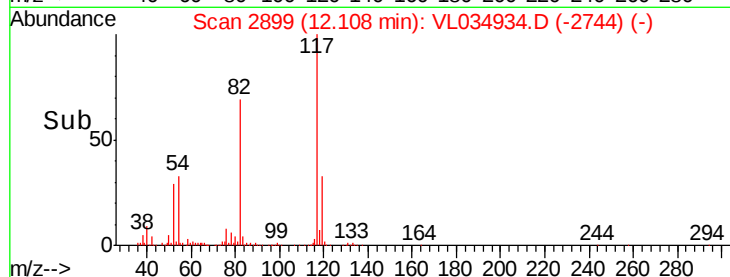
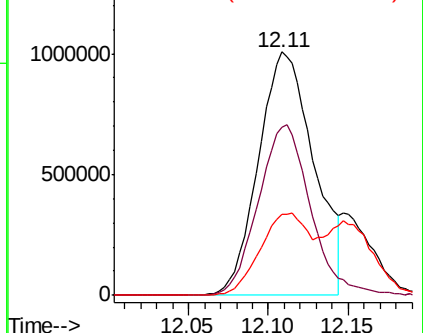
119 32.8 27.3 40.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.226 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

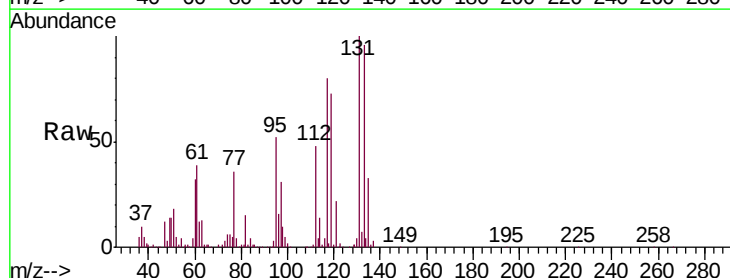
Tgt Ion:131 Resp: 1003499

Ion Ratio Lower Upper

131 100

133 95.3 76.0 114.0

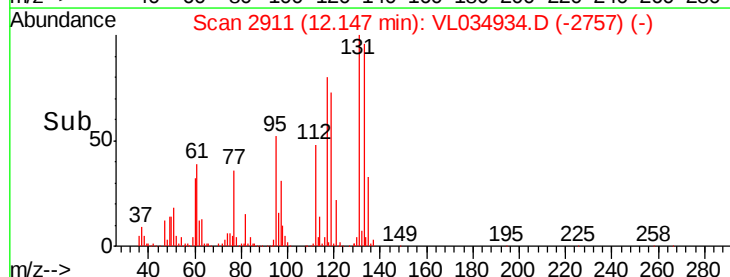
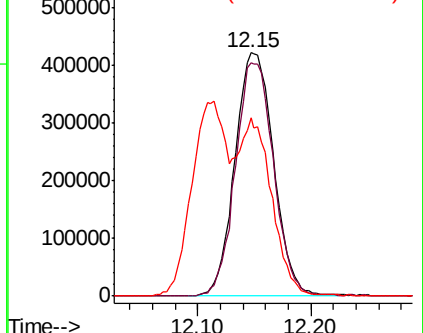
119 59.0 47.8 71.8

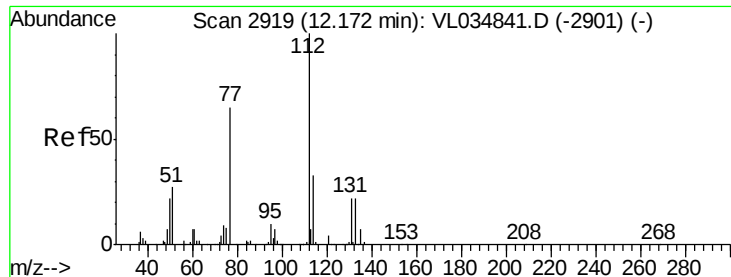


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

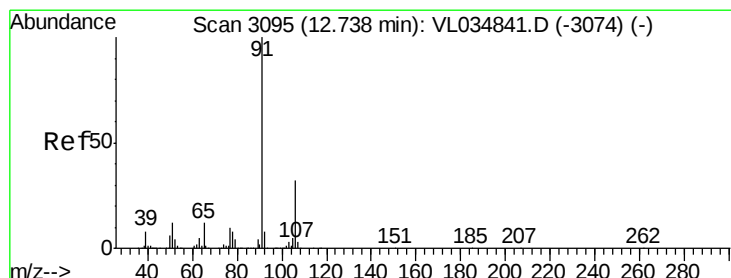
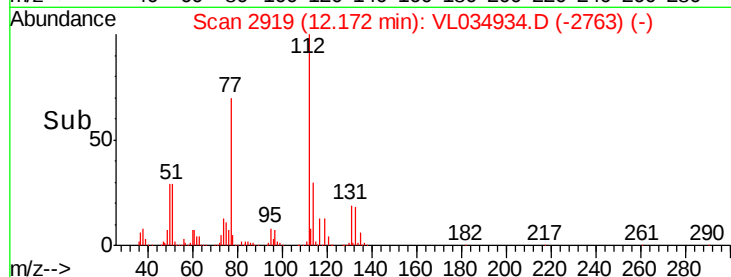
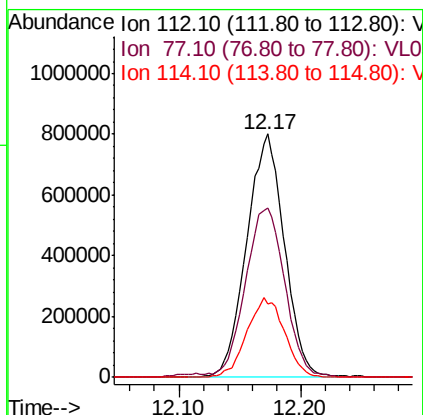
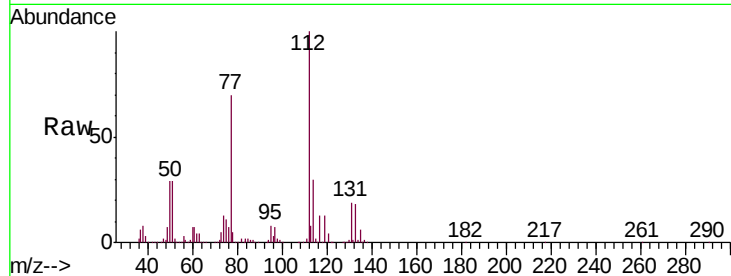




#57
Chlorobenzene
Concen: 9.018 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

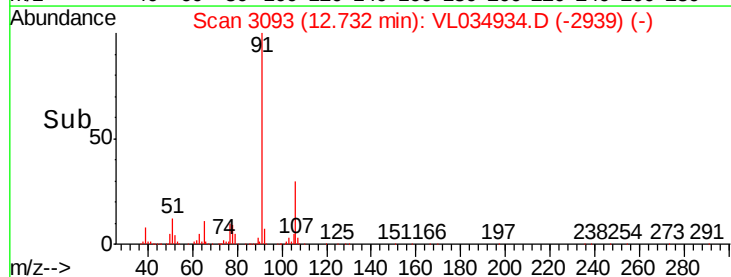
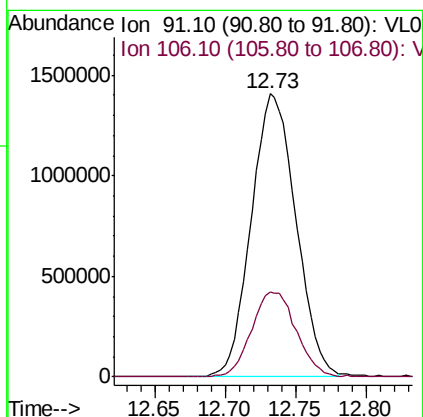
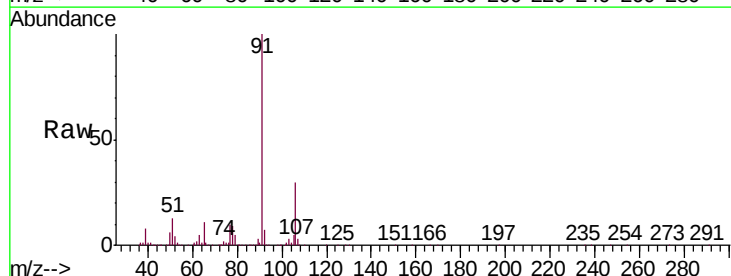
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

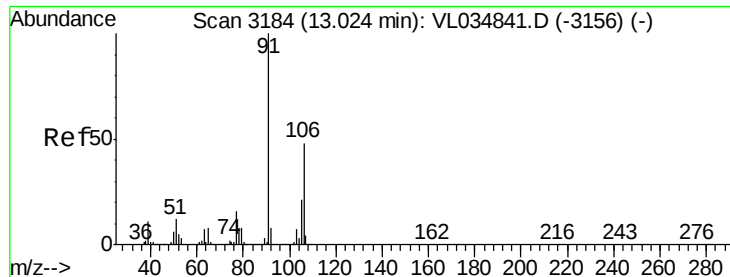
Tgt Ion: 112 Resp: 1708620
Ion Ratio Lower Upper
112 100
77 69.2 53.0 79.6
114 30.0 29.5 36.1



#58
Ethyl Benzene
Concen: 9.490 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 91 Resp: 3112107
Ion Ratio Lower Upper
91 100
106 29.8 25.8 38.6

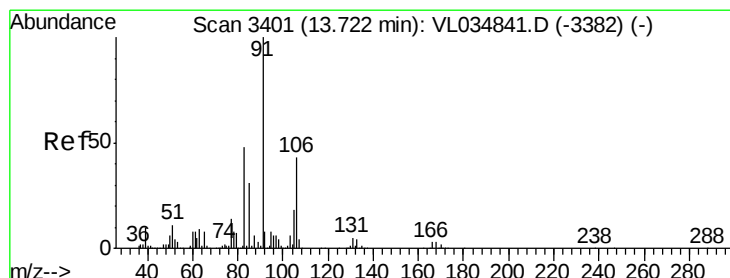
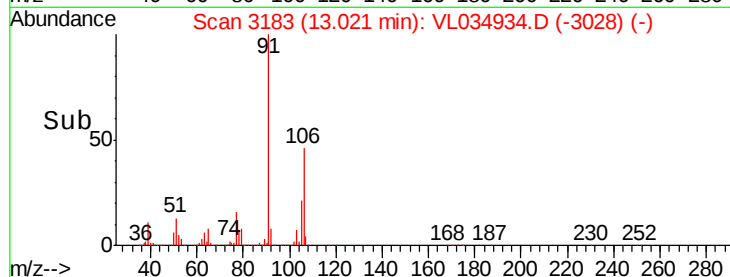
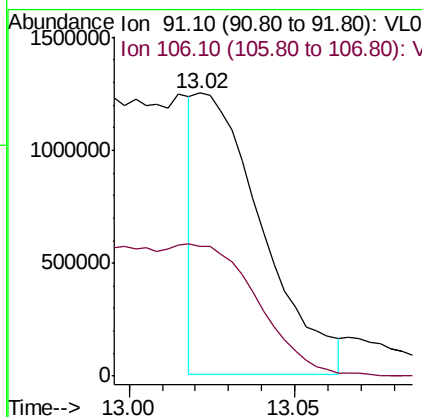
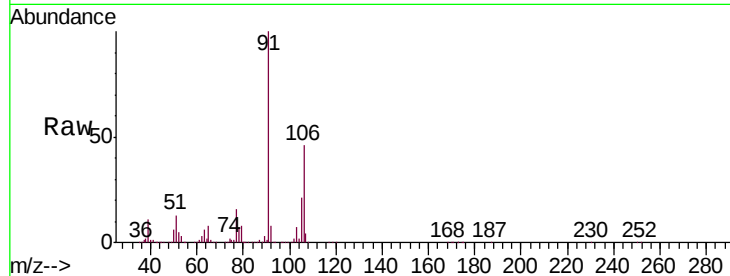




#59
m/p-Xylene
Concen: 6.301 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

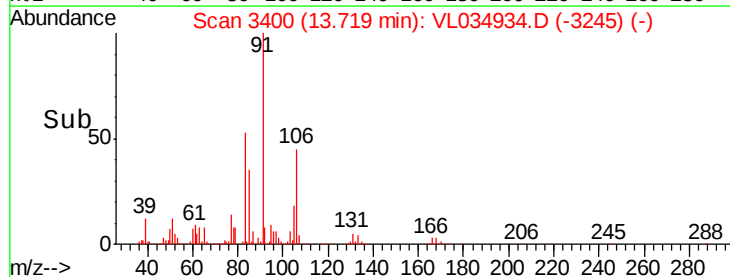
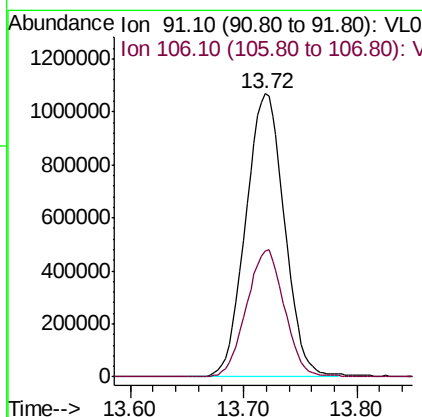
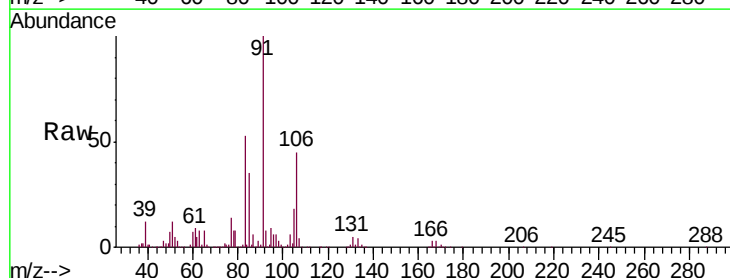
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

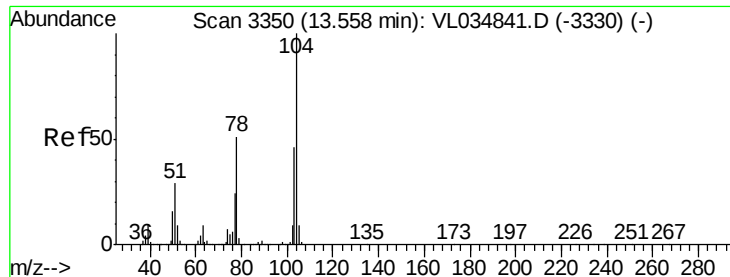
Tgt Ion: 91 Resp: 1731110
Ion Ratio Lower Upper
91 100
106 135.8 37.1 55.7#



#60
o-Xylene
Concen: 9.468 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034934.D
Acq: 23 Mar 2020 18:00

Tgt Ion: 91 Resp: 2539777
Ion Ratio Lower Upper
91 100
106 44.0 22.5 67.5





#61

Styrene

Concen: 9.742 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

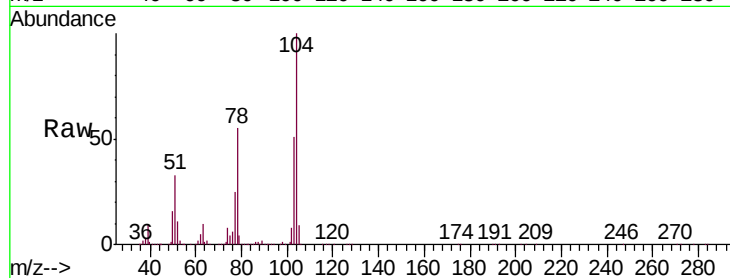
Tgt Ion:104 Resp: 1833813

Ion Ratio Lower Upper

104 100

78 55.0 41.8 62.6

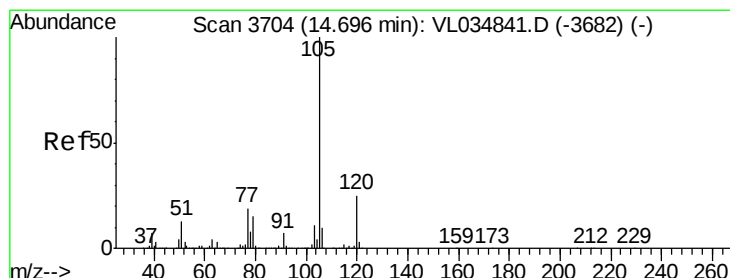
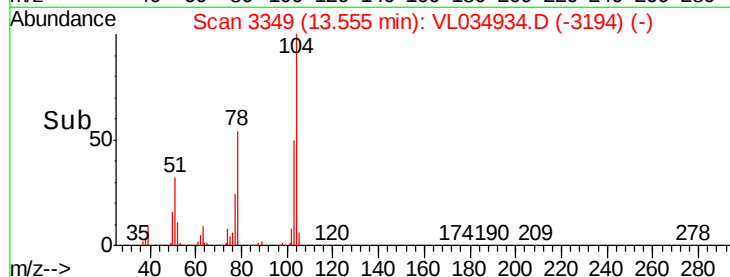
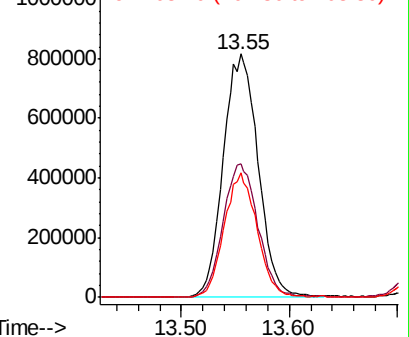
103 48.4 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.254 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034934.D

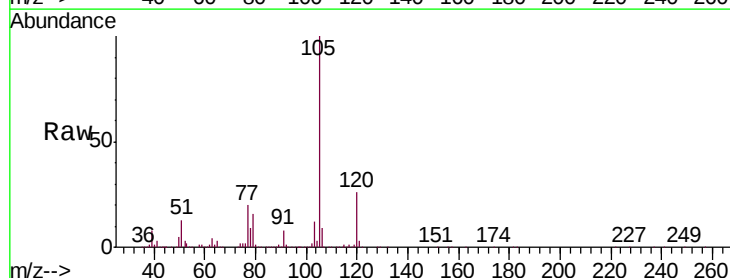
Acq: 23 Mar 2020 18:00

Tgt Ion:105 Resp: 3753333

Ion Ratio Lower Upper

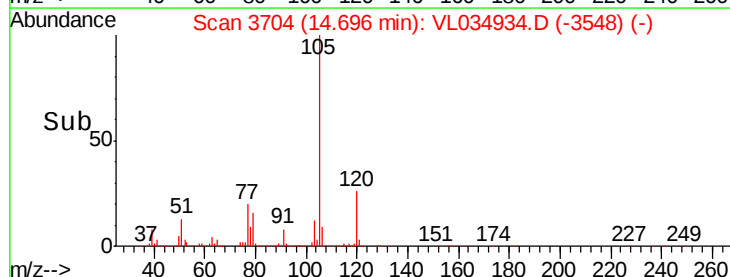
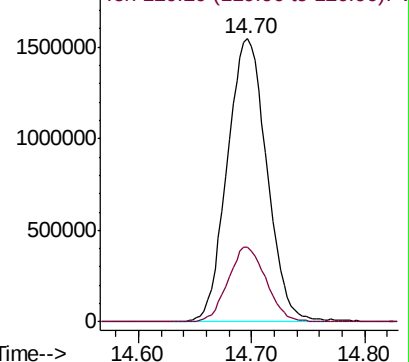
105 100

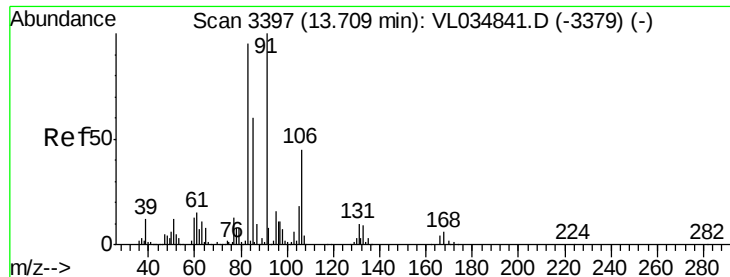
120 25.6 21.0 31.4



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: 10.172 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

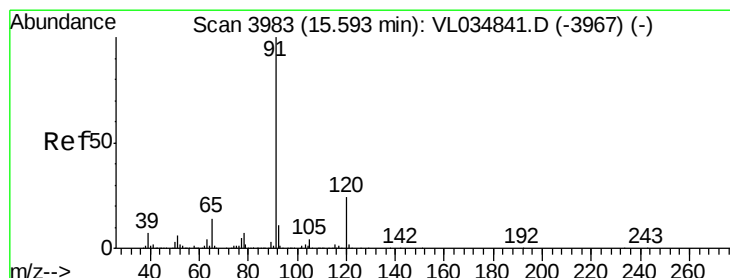
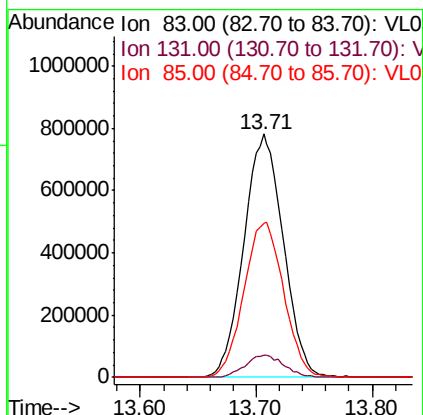
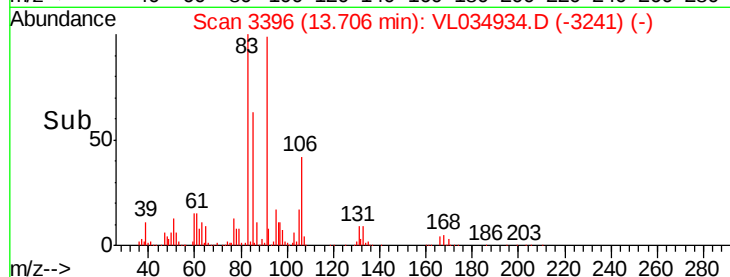
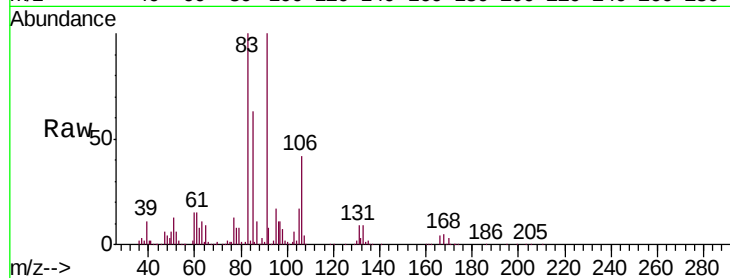
Tgt Ion: 83 Resp: 1852284

Ion Ratio Lower Upper

83 100

131 9.0 5.0 14.9

85 64.3 32.4 97.2



#64

n-propylbenzene

Concen: 9.438 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL034934.D

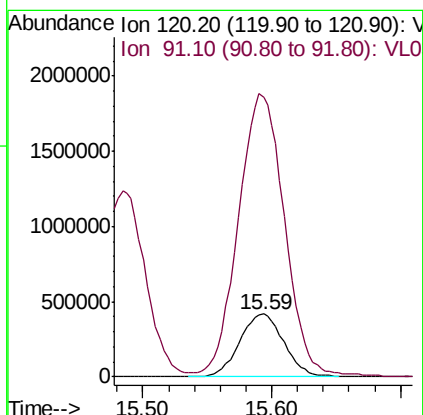
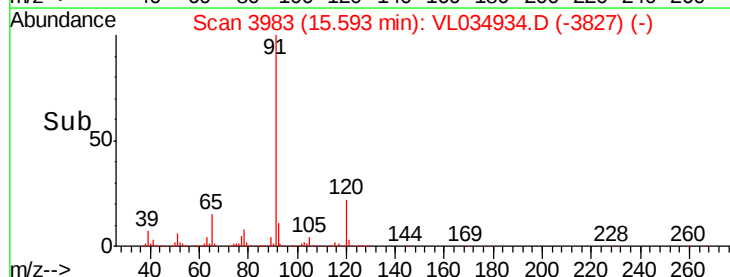
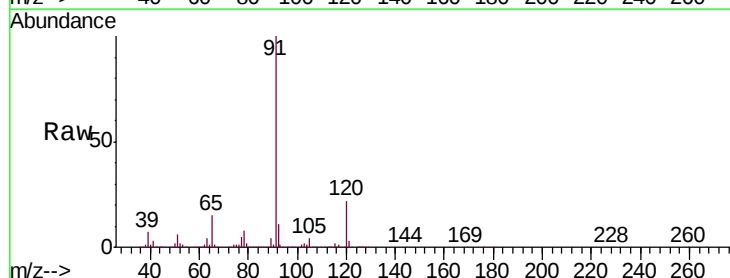
Acq: 23 Mar 2020 18:00

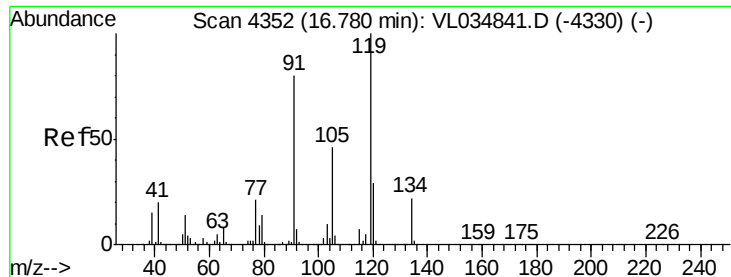
Tgt Ion: 120 Resp: 996302

Ion Ratio Lower Upper

120 100

91 471.7 360.9 541.3

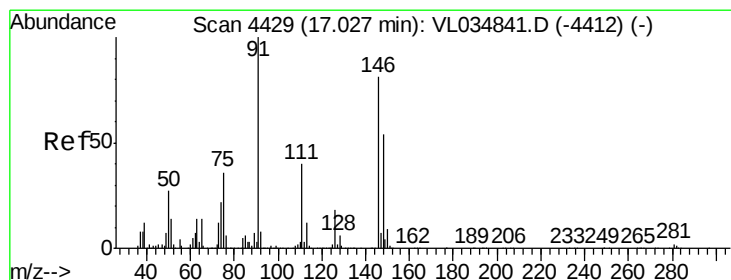
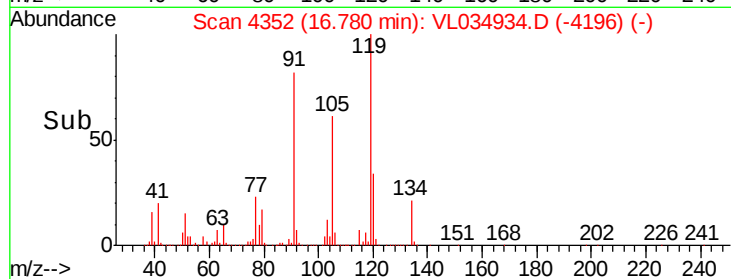
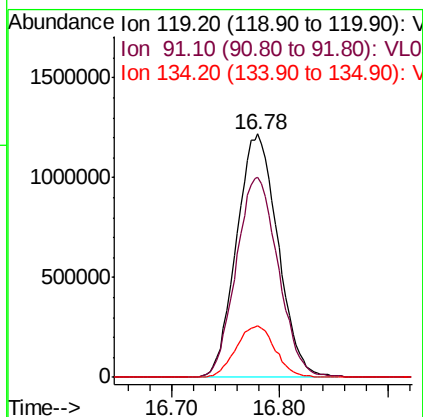
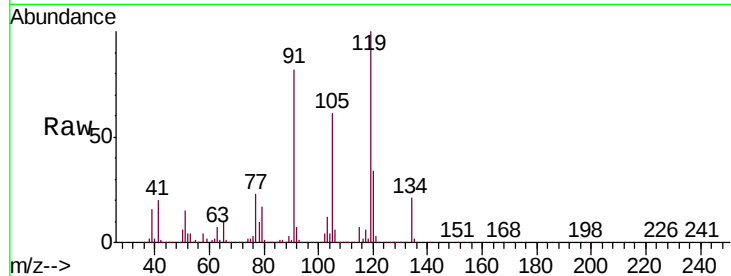




#65
 tert-Butylbenzene
 Concen: 9.148 ppbv
 RT: 16.78 min Scan# 4352
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

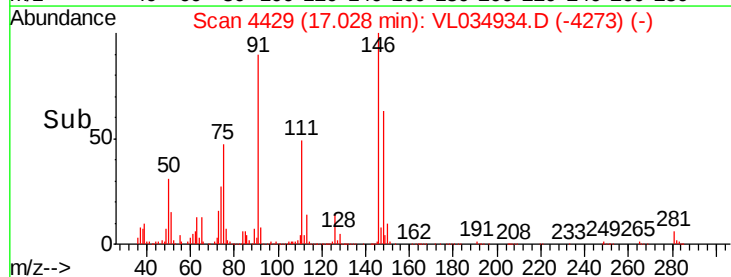
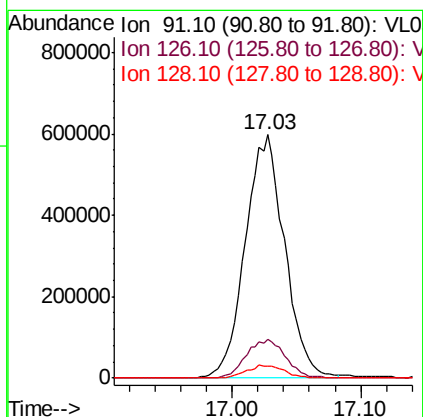
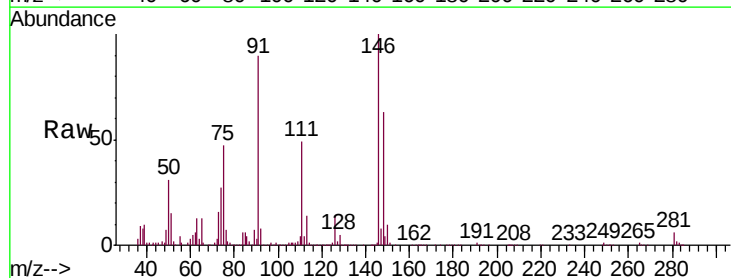
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

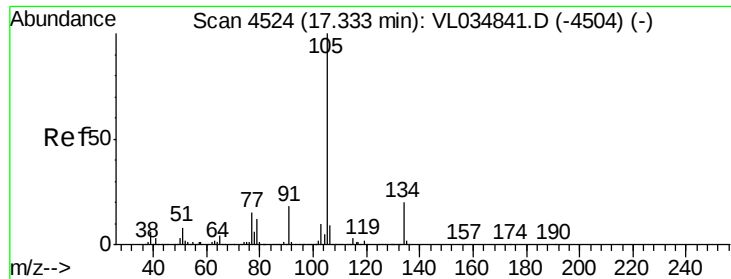
Tgt Ion: 119 Resp: 3243549
 Ion Ratio Lower Upper
 119 100
 91 83.9 64.9 97.3
 134 20.1 15.9 23.9



#66
 Benzyl Chloride
 Concen: 8.590 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 91 Resp: 1270025
 Ion Ratio Lower Upper
 91 100
 126 16.0 14.7 22.1
 128 5.1 4.7 7.1

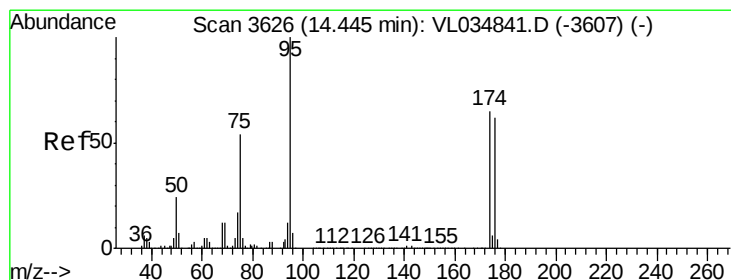
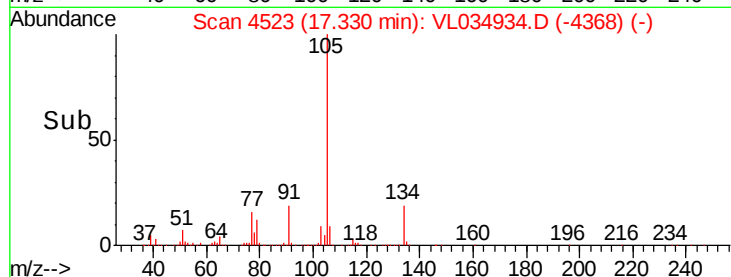
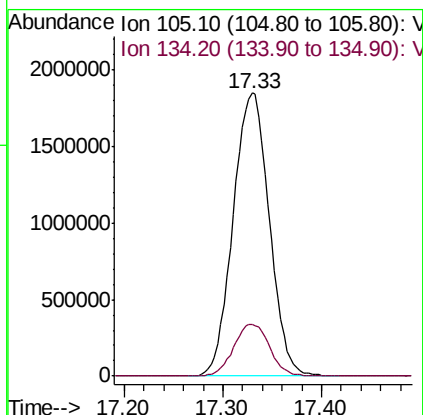
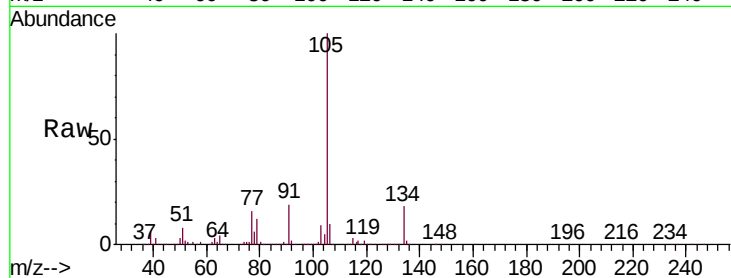




#67
 sec-Butylbenzene
 Concen: 9.574 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

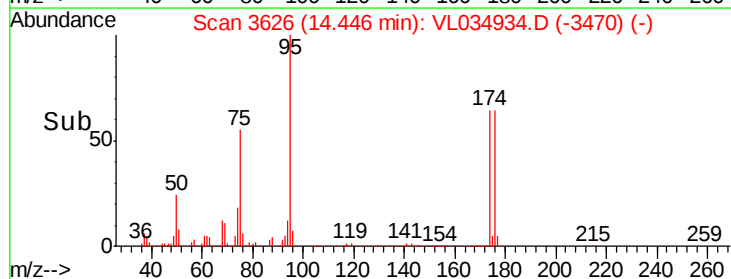
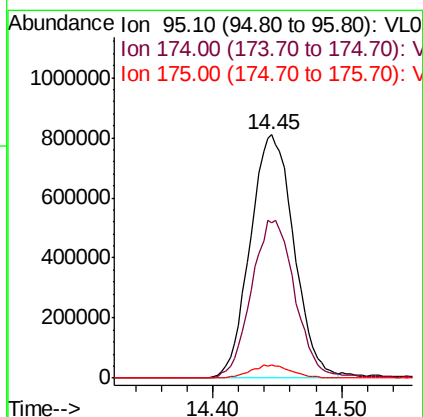
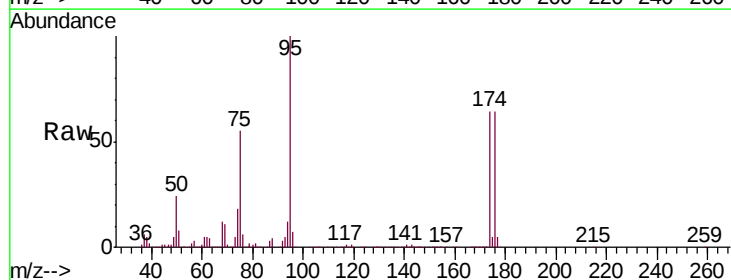
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

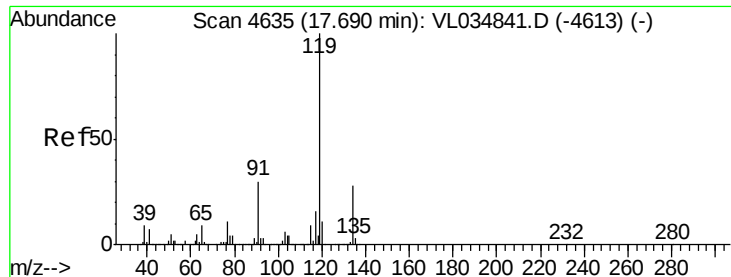
Tgt Ion: 105 Resp: 4707123
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.117 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 95 Resp: 1910593
 Ion Ratio Lower Upper
 95 100
 174 65.7 55.2 82.8
 175 5.0 4.3 6.5

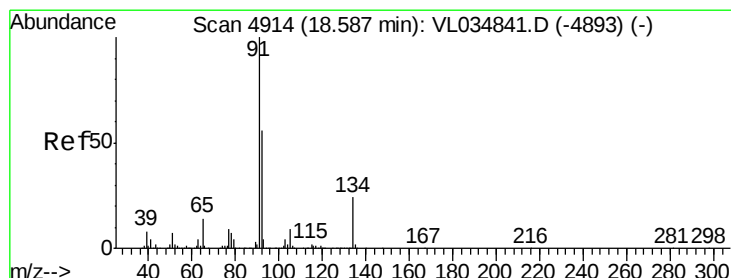
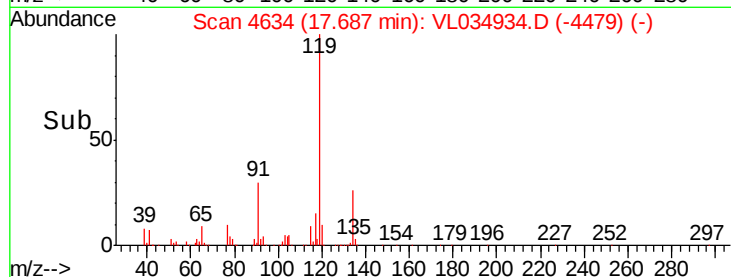
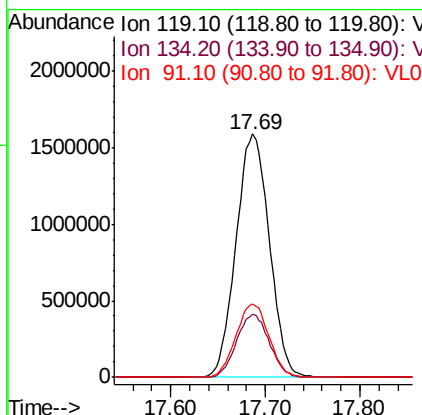
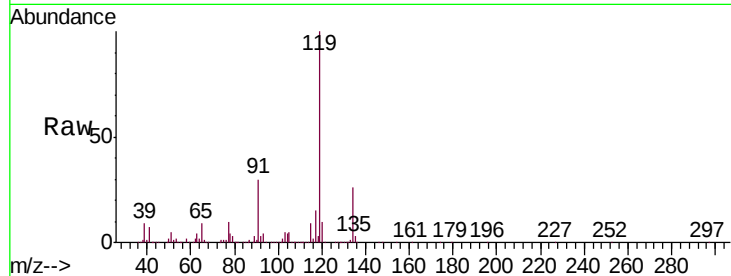




#69
 p-Isopropyltoluene
 Concen: 9.441 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

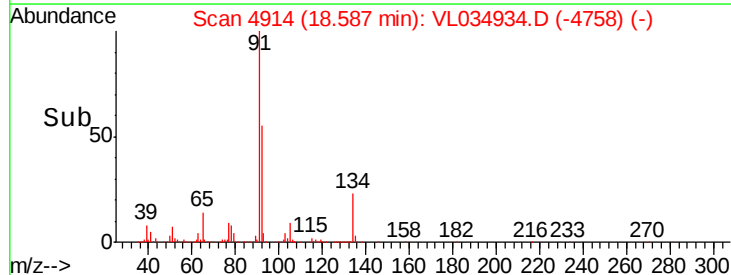
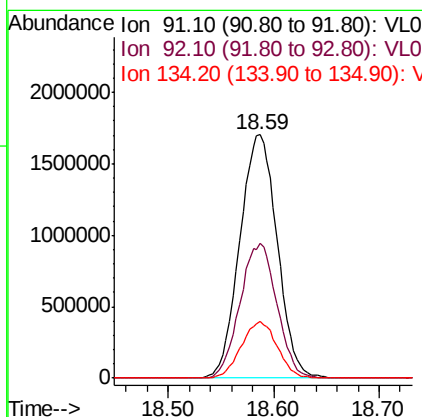
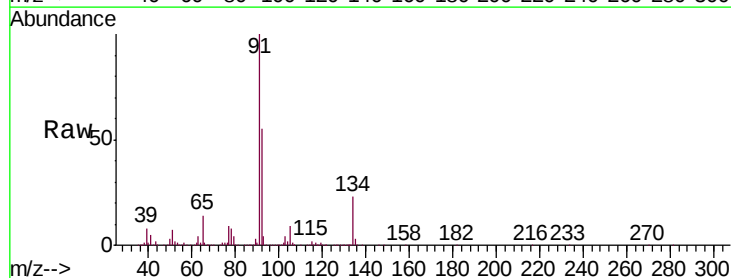
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

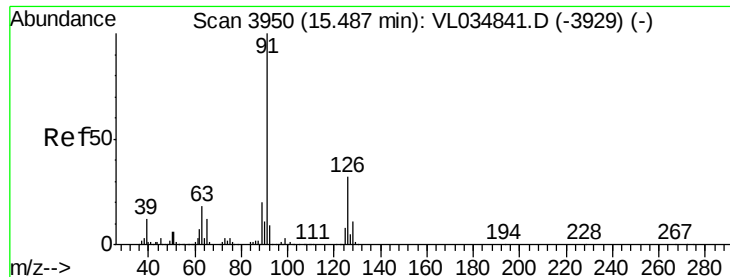
Tgt Ion: 119 Resp: 3891890
 Ion Ratio Lower Upper
 119 100
 134 25.4 20.6 30.8
 91 30.2 23.4 35.2



#70
 n-Butylbenzene
 Concen: 9.992 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion: 91 Resp: 4203024
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.8 65.6
 134 22.4 19.0 28.4





#71

2-Chlorotoluene

Concen: 9.470 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

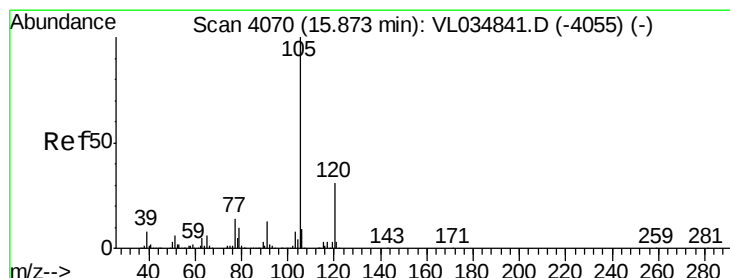
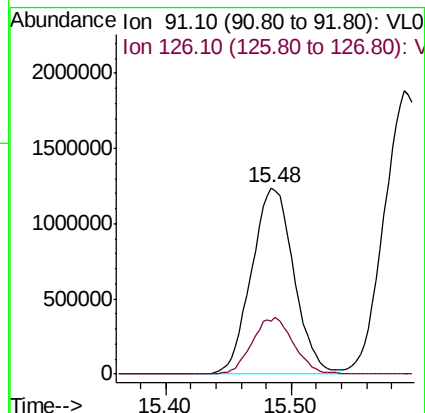
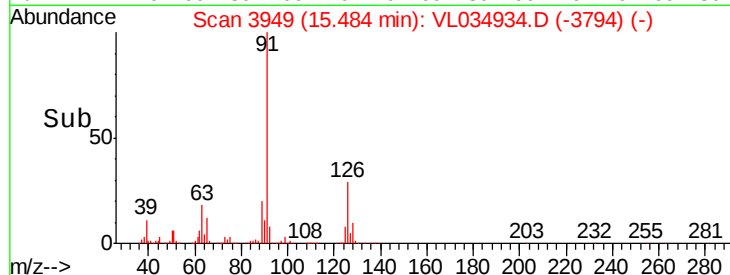
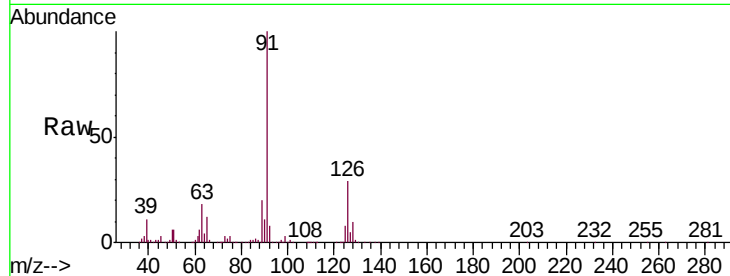
VSTDCCC010EC

Tgt Ion: 91 Resp: 2908771

Ion Ratio Lower Upper

91 100

126 30.0 12.3 49.1



#72

4-Ethyltoluene

Concen: 9.610 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Tgt Ion: 105 Resp: 3044154

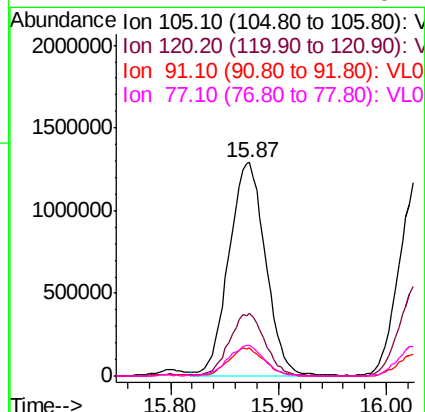
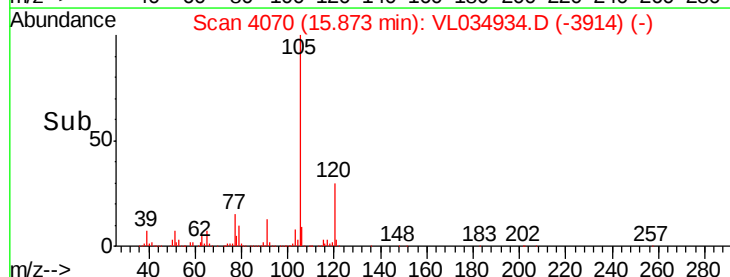
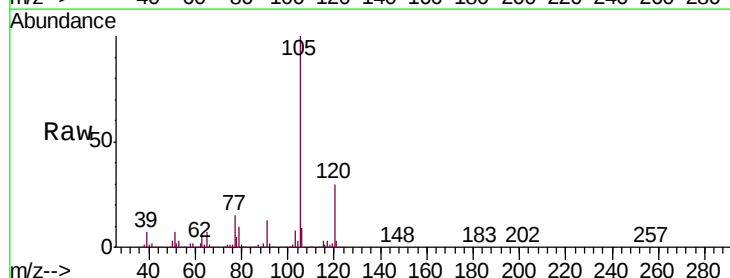
Ion Ratio Lower Upper

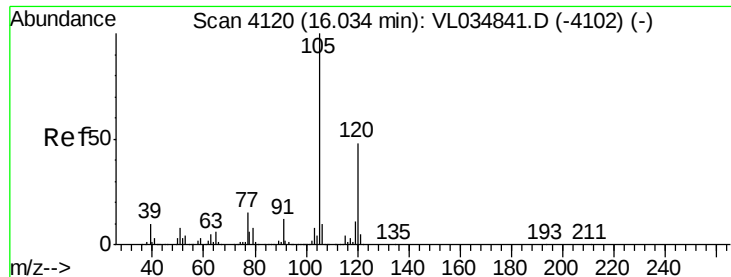
105 100

120 28.8 23.7 35.5

91 12.9 10.5 15.7

77 14.4 11.1 16.7

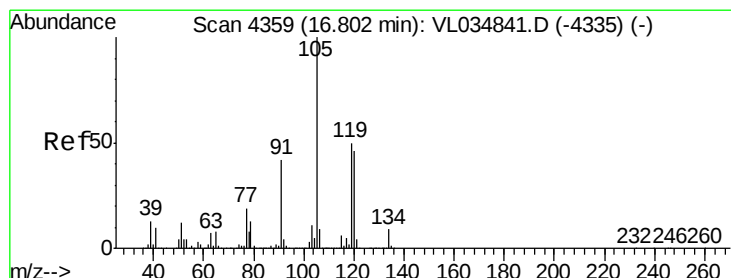
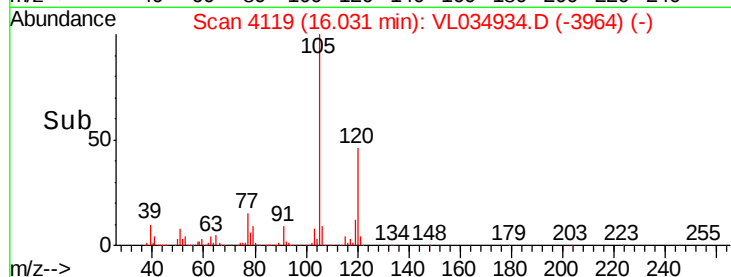
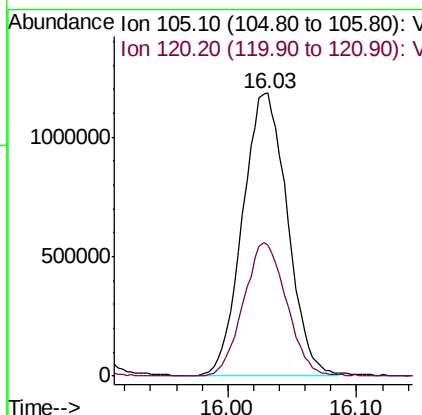
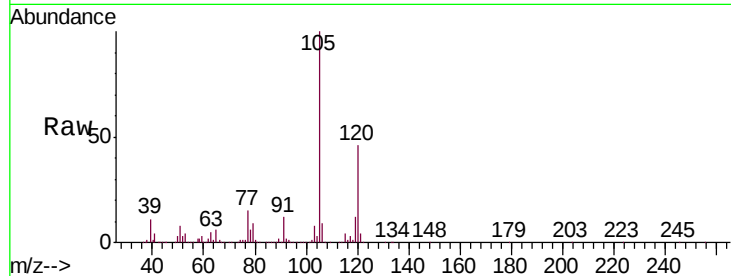




#73
 1,3,5-Trimethylbenzene
 Concen: 9.588 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

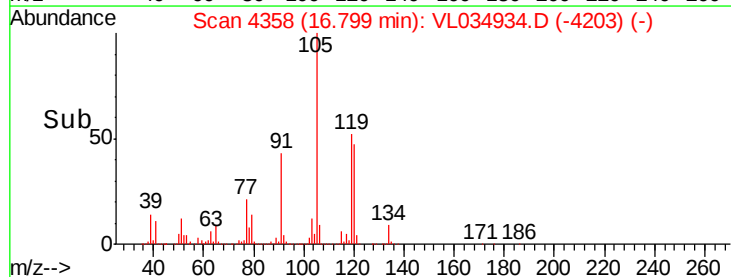
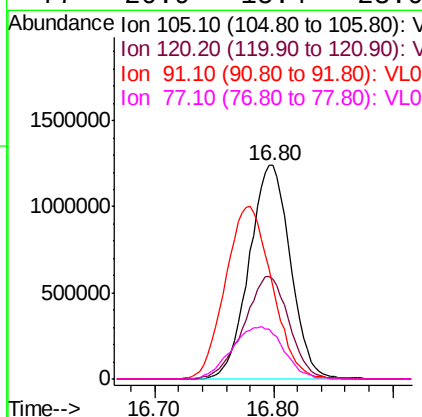
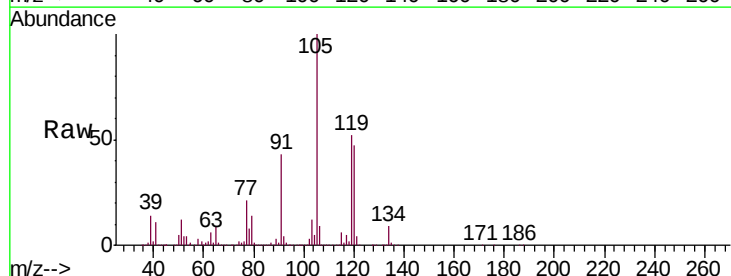
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

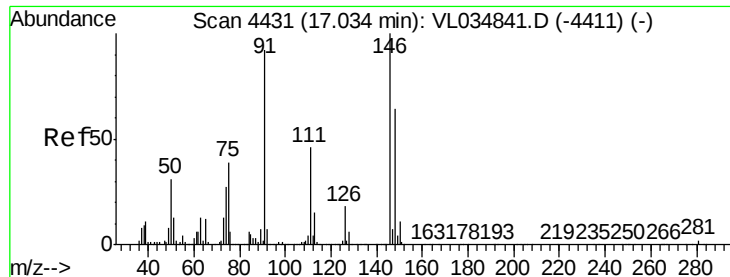
Tgt Ion:105 Resp: 2843215
 Ion Ratio Lower Upper
 105 100
 120 46.3 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 9.734 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion:105 Resp: 2973855
 Ion Ratio Lower Upper
 105 100
 120 46.5 37.0 55.4
 91 42.7 33.8 50.6
 77 20.9 15.4 23.0

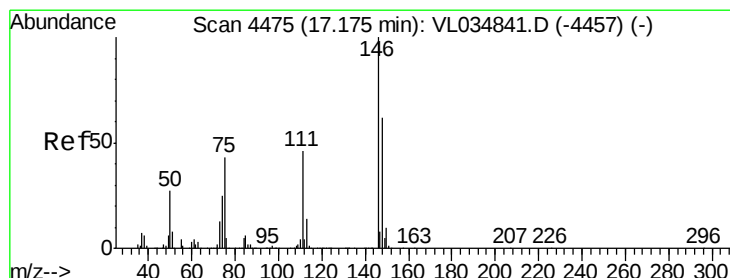
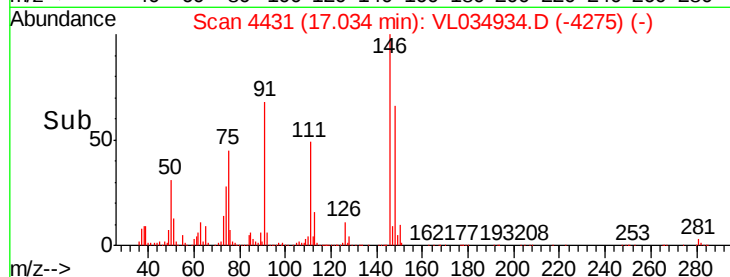
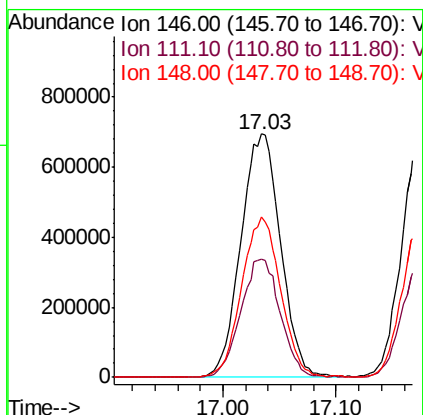
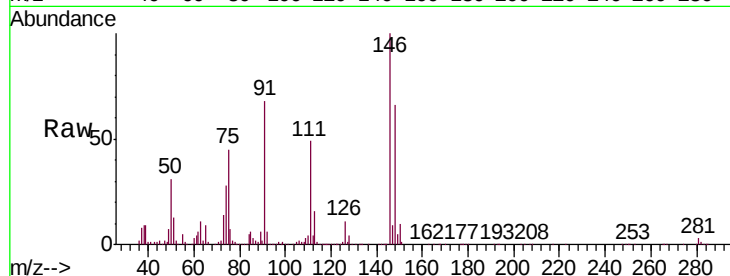




#75
 1,3-Dichlorobenzene
 Concen: 9.223 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

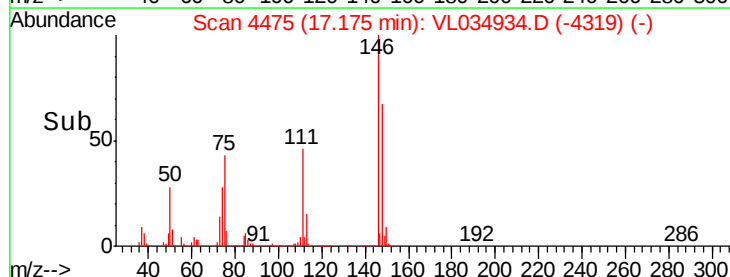
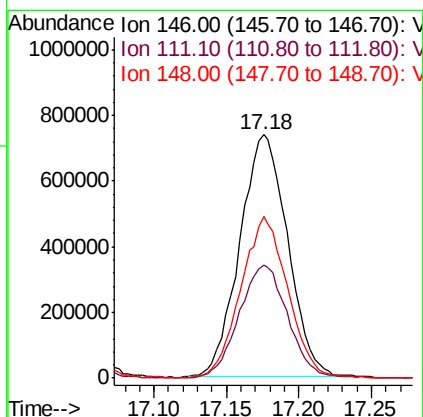
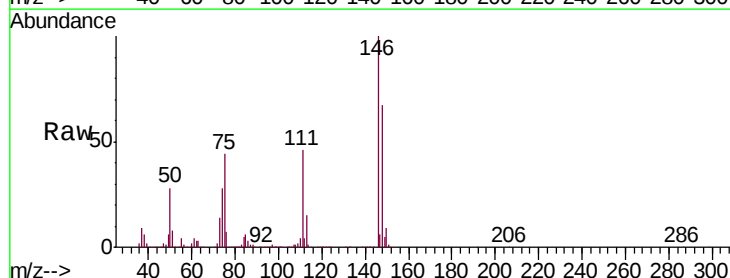
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

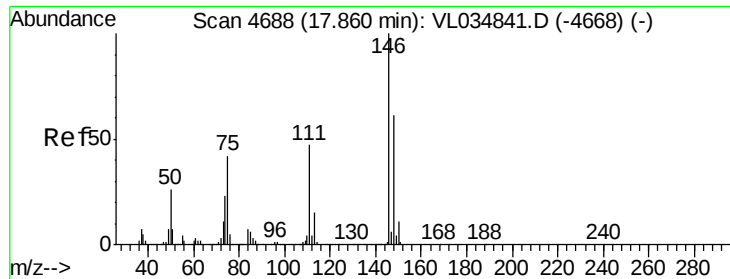
Tgt Ion:146 Resp: 1698941
 Ion Ratio Lower Upper
 146 100
 111 48.3 23.9 71.7
 148 64.4 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 9.127 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion:146 Resp: 1677837
 Ion Ratio Lower Upper
 146 100
 111 48.0 23.4 70.2
 148 66.3 32.3 96.9

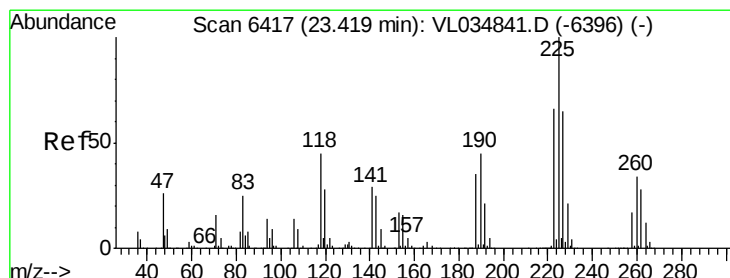
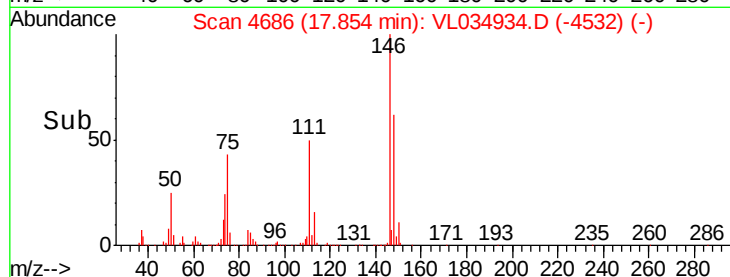
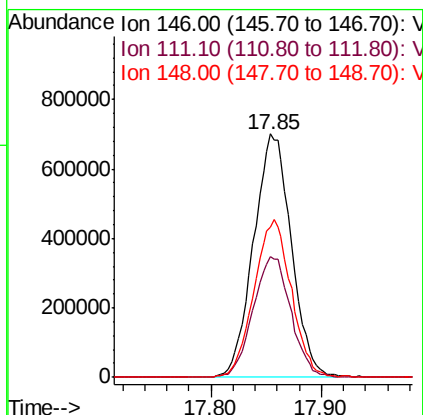
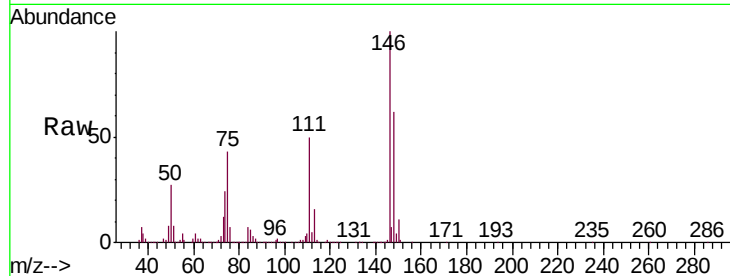




#77
 1,2-Dichlorobenzene
 Concen: 9.341 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

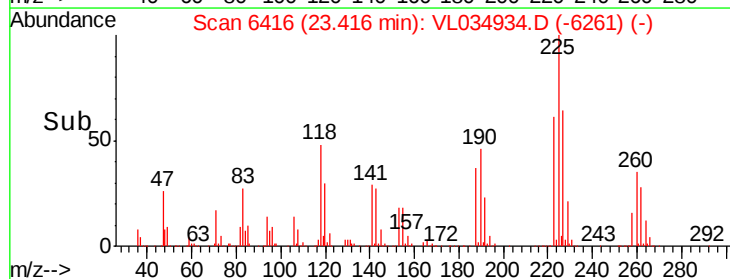
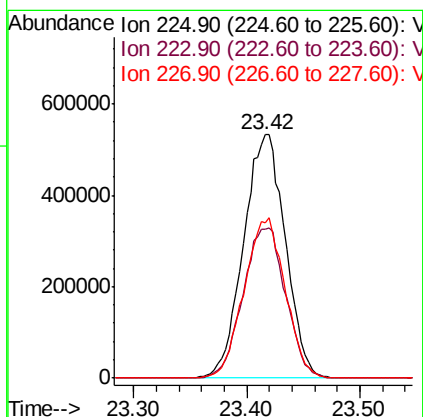
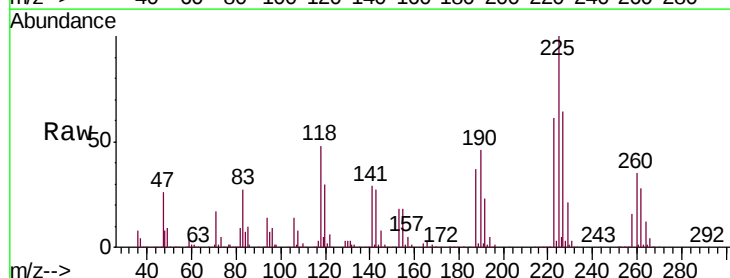
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

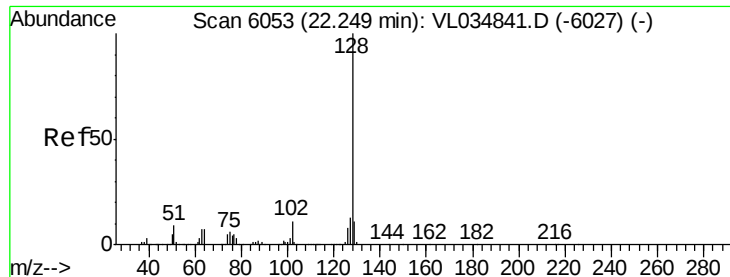
Tgt Ion:146 Resp: 1668065
 Ion Ratio Lower Upper
 146 100
 111 49.9 23.8 71.4
 148 64.3 31.6 94.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.168 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Tgt Ion:225 Resp: 1367331
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.1 76.7
 227 64.5 51.8 77.6





#79

Naphthalene

Concen: 11.694 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

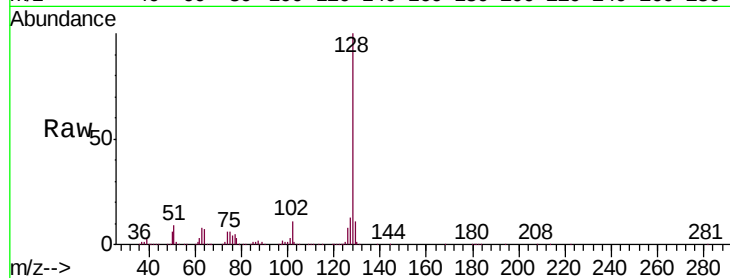
Tgt Ion:128 Resp: 2786307

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

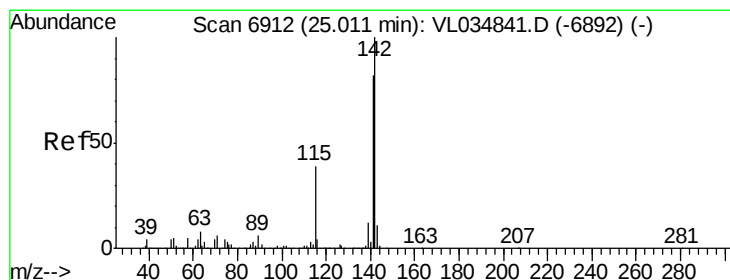
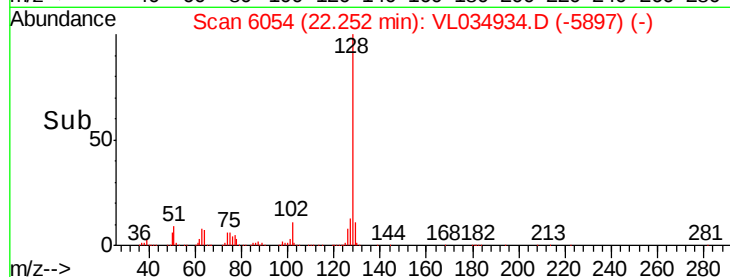
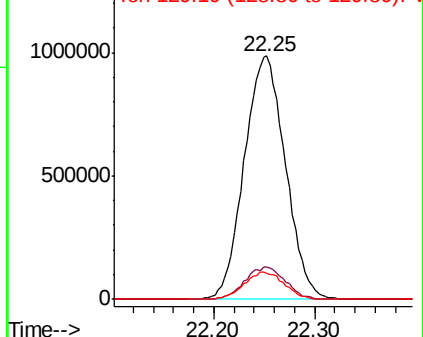
129 10.6 8.6 13.0



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: 18.100 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034934.D

Acq: 23 Mar 2020 18:00

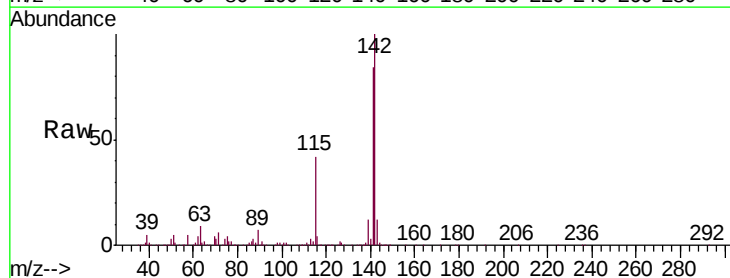
Tgt Ion:142 Resp: 1126979

Ion Ratio Lower Upper

142 100

141 86.0 68.9 103.3

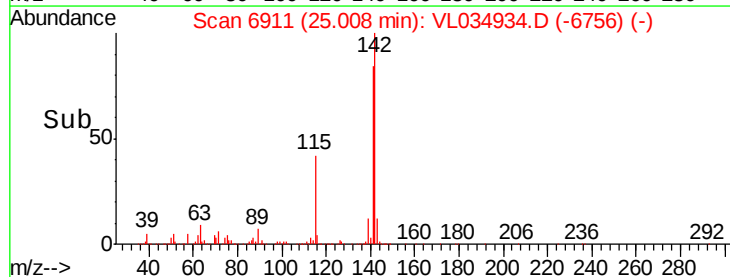
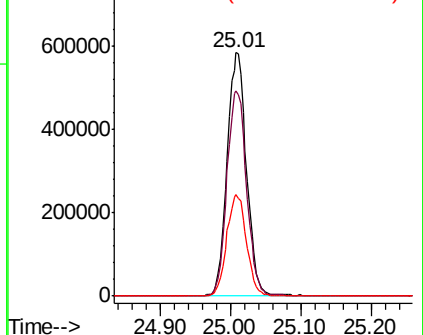
115 42.4 33.2 49.8

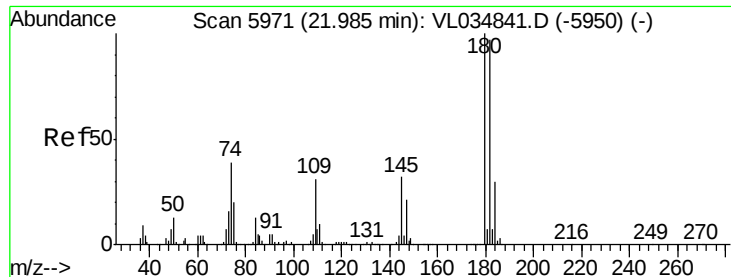


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 6.020 ppbv
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.01 min
 Lab File: VL034934.D
 Acq: 23 Mar 2020 18:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 911306
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.6 115.0#
 184 0.0 25.0 37.4#

