

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034617.D
 Acq On : 7 Feb 2020 11:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Feb 08 03:02:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1009686	10.00	ppbv	0.07
33) 1,4-Difluorobenzene	7.26	114	2056430	10.00	ppbv	0.08
55) Chlorobenzene-d5	12.21	117	2161005	10.00	ppbv	0.09

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1844030	10.10	ppbv	0.09
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1396999	6.282	ppbv 93
3) Chlorodifluoromethane	3.00	51	1190420	9.757	ppbv 99
4) Chloromethane	3.15	50	630181	8.442	ppbv 99
5) Vinyl Chloride	3.27	62	626064	8.780	ppbv 97
6) Bromomethane	3.49	94	381667	10.291	ppbv 93
7) Chloroethane	3.58	64	241269	9.099	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	1620011	9.320	ppbv 99
9) Propene	3.02	41	399929	8.419	ppbv 100
10) Heptane	8.21	43	1150365	9.623	ppbv 98
11) Trichlorofluoromethane	3.98	101	1968908	9.746	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.53	101	1297334	9.842	ppbv 100
13) Ethanol	3.63	45	164715	12.945	ppbv 98
14) Bromoethene	3.76	108	504748	9.762	ppbv 98
15) Acetone	3.88	43	1497207	10.089	ppbv 99
16) 1,3-Butadiene	3.34	39	576731	9.787	ppbv 100
17) tert-Butyl alcohol	4.33	59	1343990	12.315	ppbv 99
18) 1,1-Dichloroethene	4.33	96	556105	9.994	ppbv 92
19) Isopropyl Alcohol	4.00	45	1037197	11.977	ppbv 100
20) Methylene Chloride	4.38	84	494811	8.757	ppbv 99
21) Allyl Chloride	4.45	41	904631	9.816	ppbv 100
22) trans-1,2-Dichloroethene	4.94	96	563371	9.668	ppbv 95
23) Vinyl Acetate	5.13	43	1728313	10.208	ppbv 99
24) 1,1-Dichloroethane	5.06	63	1305087	9.233	ppbv 99
25) Ethyl Acetate	5.74	43	2099335	8.739	ppbv 99
26) Hexane	5.75	57	936388	9.306	ppbv 96
27) Carbon Disulfide	4.59	76	1399413	10.307	ppbv 100
28) Methyl tert-Butyl Ether	5.08	73	1654837	9.643	ppbv 100
29) Chloroform	5.82	83	1648931	9.267	ppbv 98
30) Cyclohexane	7.21	84	752180	10.087	ppbv 96
31) cis-1,2-Dichloroethene	5.61	61	989334	9.463	ppbv 98
32) 1,1,1-Trichloroethane	6.59	97	1742583	9.121	ppbv 99
34) 2-Butanone	5.30	43	1357957	9.095	ppbv 100
35) Carbon Tetrachloride	7.10	117	1895217	9.640	ppbv 98
36) Benzene	6.98	78	1741107	9.521	ppbv 98
37) 1,2-Dichloroethane	6.38	62	1448589	9.494	ppbv 99
38) Trichloroethene	7.93	130	756237	9.810	ppbv 96
39) 1,2-Dichloropropane	7.71	63	703785	9.283	ppbv 99
40) 1,4-Dioxane	7.93	88	302265m	10.372	ppbv
41) Tetrahydrofuran	6.12	42	715815	9.190	ppbv 98
42) Bromodichloromethane	7.89	83	1842011	9.809	ppbv 97
43) Methyl Methacrylate	8.11	69	740600	10.069	ppbv 99

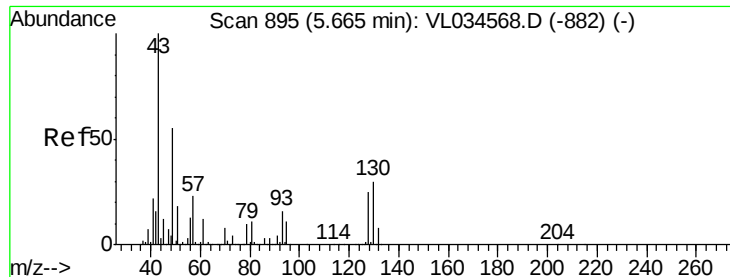
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
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 QLast Update : Thu Jan 30 17:16:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.96	57	3151136	9.497	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1009875	10.485	ppbv	96
46) cis-1,3-Dichloropropene	8.80	75	1113020	10.167	ppbv	98
47) 1,1,2-Trichloroethane	9.58	97	789756	9.618	ppbv	93
48) Dibromochloromethane	10.42	129	1536646	10.213	ppbv	100
49) Bromoform	13.17	173	1378743	10.437	ppbv	99
50) 4-Methyl-2-Pentanone	8.84	43	2045500	9.606	ppbv	100
51) 2-Hexanone	10.24	43	1700093	10.142	ppbv #	98
52) Tetrachloroethene	11.34	164	687019	9.352	ppbv	95
53) Toluene	9.92	91	2067500	10.291	ppbv	100
54) 1,2-Dibromoethane	10.73	107	1261864	10.255	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.24	131	1060463	9.940	ppbv	98
57) Chlorobenzene	12.27	112	1675249	9.421	ppbv	98
58) Ethyl Benzene	12.83	91	2906643	10.052	ppbv	97
59) m/p-Xylene	13.12	91	4911558m	19.214	ppbv	
60) o-Xylene	13.82	91	2577046	10.038	ppbv	99
61) Styrene	13.65	104	1753898	10.246	ppbv	99
62) Isopropylbenzene	14.80	105	3306357	9.939	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.80	83	1848291	9.309	ppbv	100
64) n-propylbenzene	15.69	120	885891	10.351	ppbv	97
65) tert-Butylbenzene	16.88	119	3126917	10.375	ppbv	99
66) Benzyl Chloride	17.12	91	1462867	11.575	ppbv	100
67) sec-Butylbenzene	17.43	105	4272257	10.314	ppbv	99
69) p-Isopropyltoluene	17.79	119	3575833	10.632	ppbv	100
70) n-Butylbenzene	18.68	91	3731714	10.453	ppbv	100
71) 2-Chlorotoluene	15.58	91	2599123	10.293	ppbv	100
72) 4-Ethyltoluene	15.97	105	2893877	10.262	ppbv	99
73) 1,3,5-Trimethylbenzene	16.13	105	2810876	10.201	ppbv	97
74) 1,2,4-Trimethylbenzene	16.90	105	3012330	9.875	ppbv	94
75) 1,3-Dichlorobenzene	17.13	146	1662797	9.467	ppbv	99
76) 1,4-Dichlorobenzene	17.27	146	1634557	9.442	ppbv	99
77) 1,2-Dichlorobenzene	17.96	146	1620379	9.603	ppbv	99
78) Hexachloro-1,3-Butadiene	23.51	225	1383231	8.573	ppbv	99
79) Naphthalene	22.37	128	2389663	9.951	ppbv	99
80) Naphthalene, 2-methyl-	25.09	142	629569	6.814	ppbv	99
81) 1,2,4-Trichlorobenzene	22.10	180	1376763	9.299	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 917

Delta R.T. 0.07 min

Lab File: VL034617.D

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VSTDCCC010EC

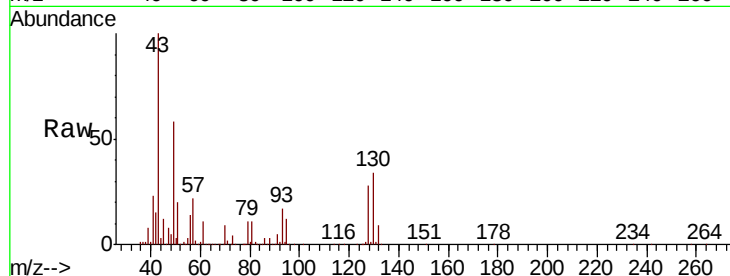
Tot Ion: 49 Resp: 1009686

Ion Ratio Lower Upper

49 100

128 46.3 22.7 68.1

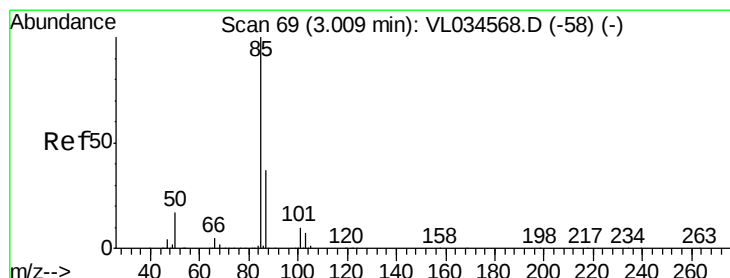
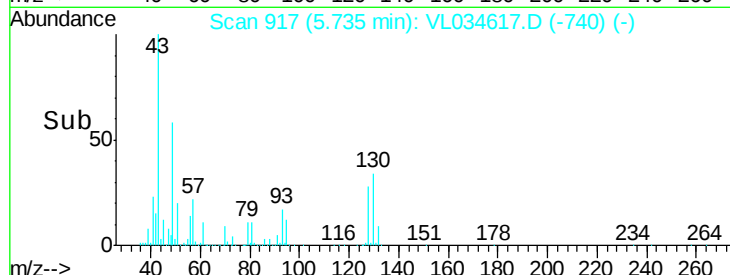
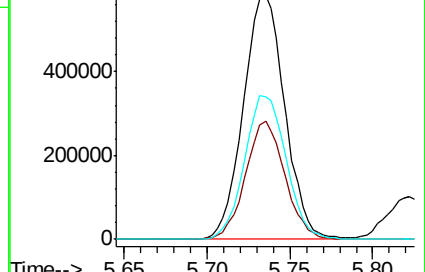
130 59.4 28.6 85.8



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: 6.282 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.05 min

Lab File: VL034617.D

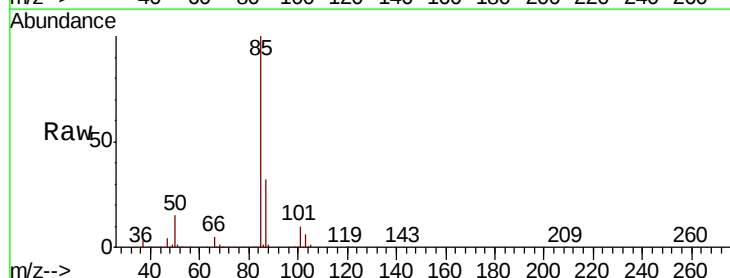
Acq: 7 Feb 2020 11:41

Tgt Ion: 85 Resp: 1396999

Ion Ratio Lower Upper

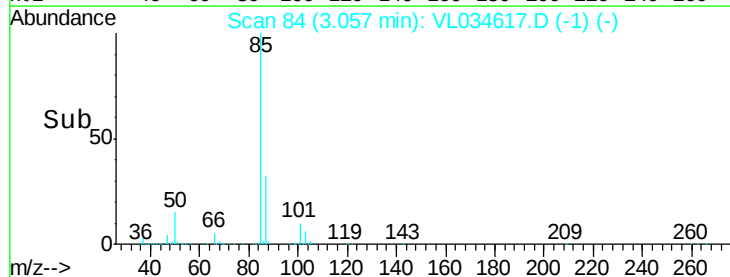
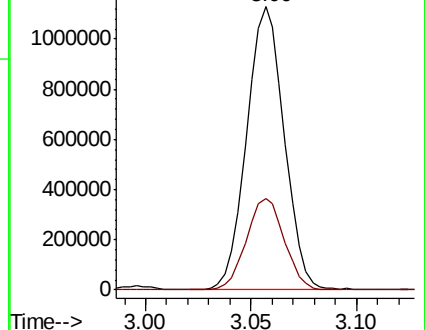
85 100

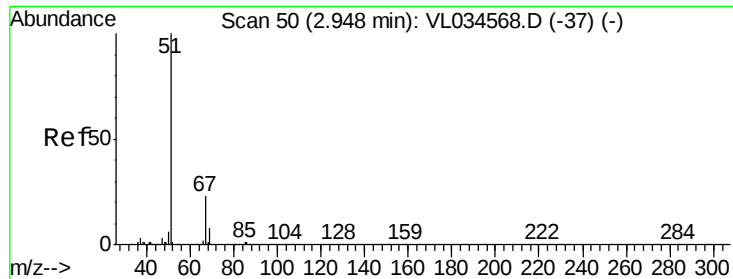
87 32.5 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

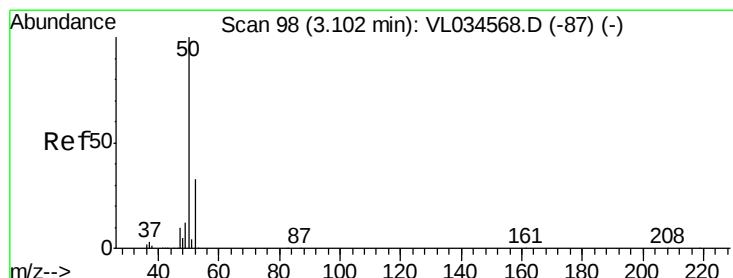
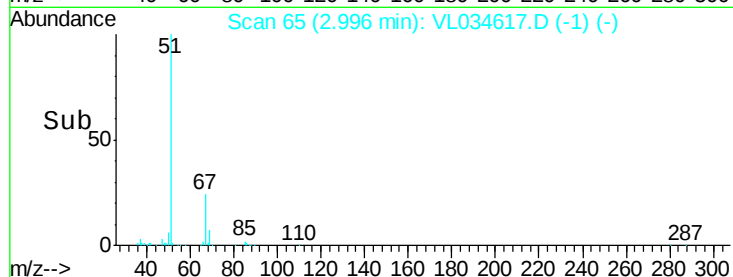
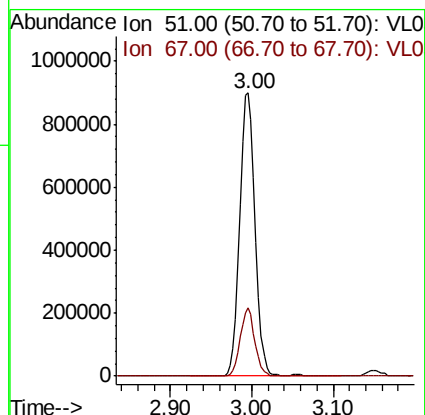
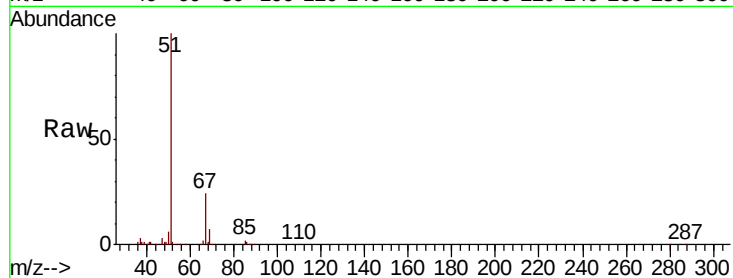




#3
Chlorodifluoromethane
Concen: 9.757 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

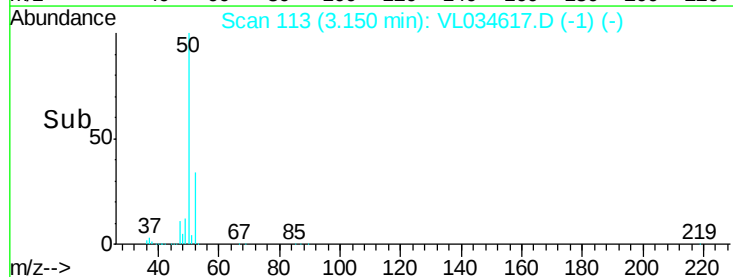
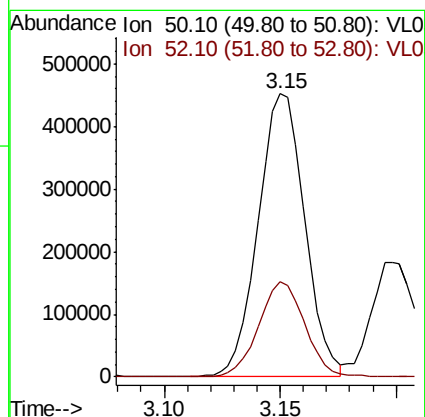
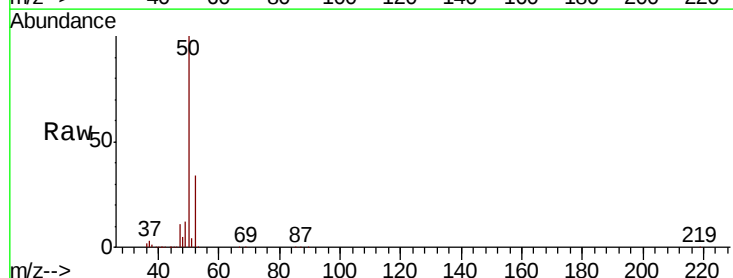
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

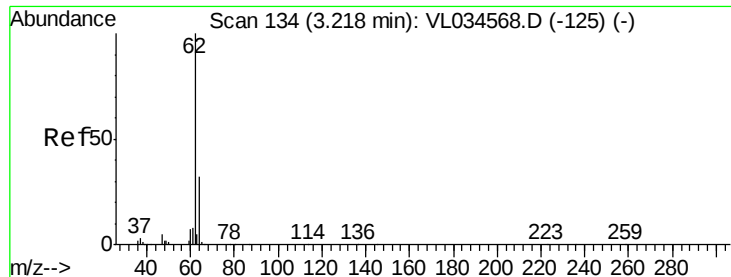
Tot Ion: 51 Resp: 1190420
Ion Ratio Lower Upper
51 100
67 22.7 17.8 26.8



#4
Chloromethane
Concen: 8.442 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 50 Resp: 630181
Ion Ratio Lower Upper
50 100
52 33.7 26.6 39.8





#5

Vinyl Chloride

Concen: 8.780 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.05 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

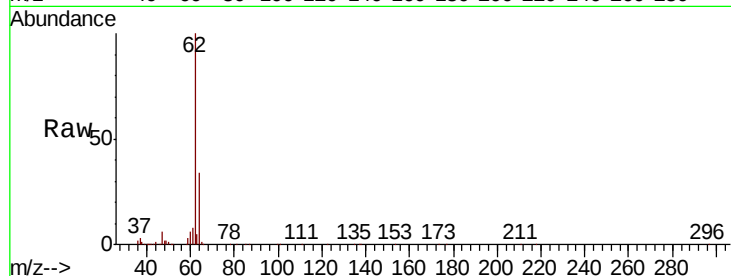
VSTDCCC010EC

Tot Ion: 62 Resp: 626064

Ion Ratio Lower Upper

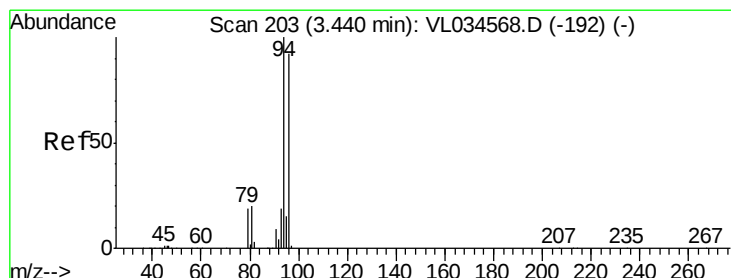
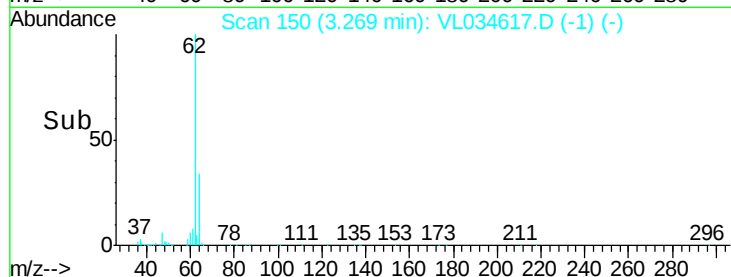
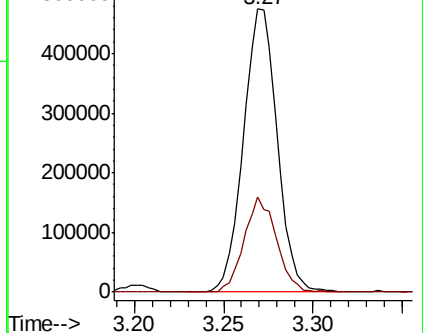
62 100

64 33.8 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.291 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.05 min

Lab File: VL034617.D

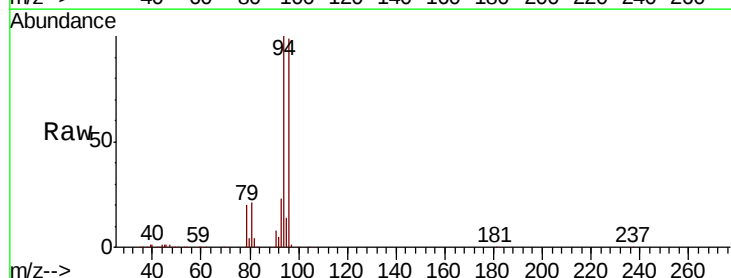
Acq: 7 Feb 2020 11:41

Tgt Ion: 94 Resp: 381667

Ion Ratio Lower Upper

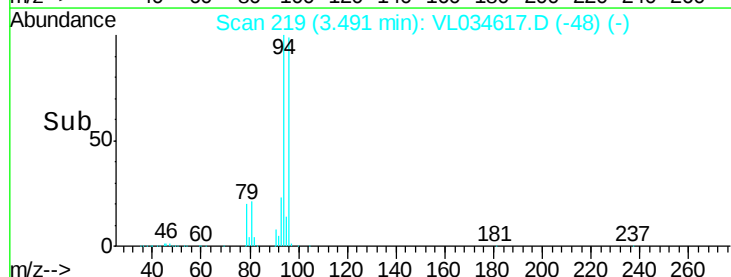
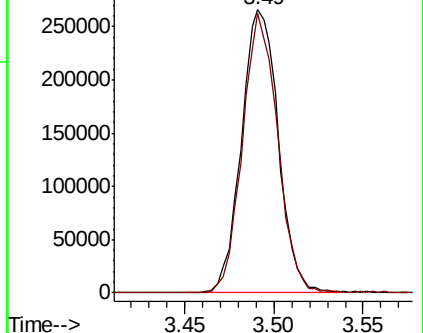
94 100

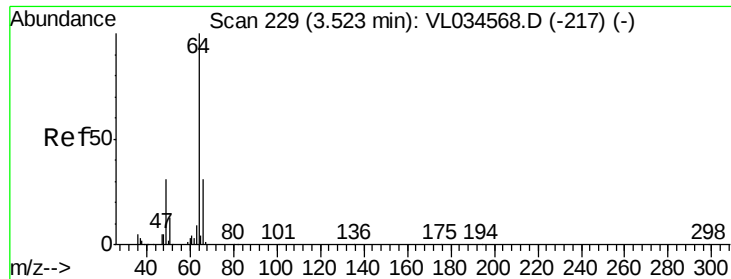
96 98.7 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.099 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.06 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

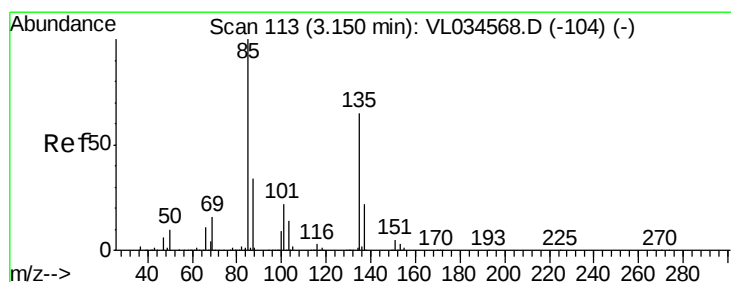
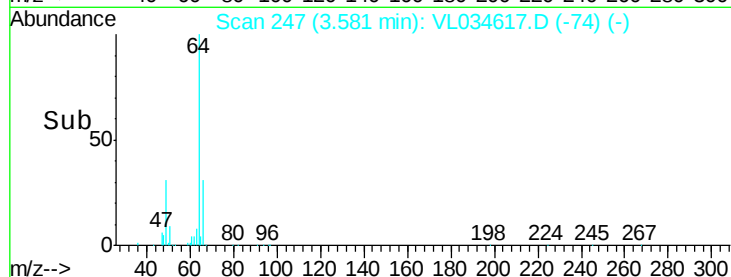
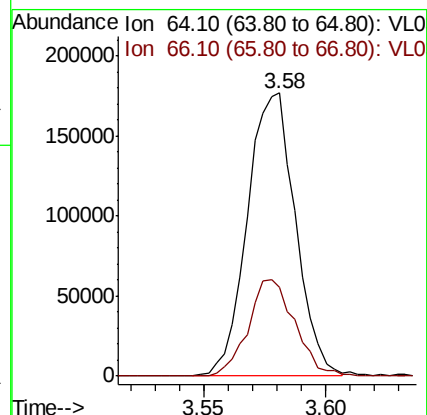
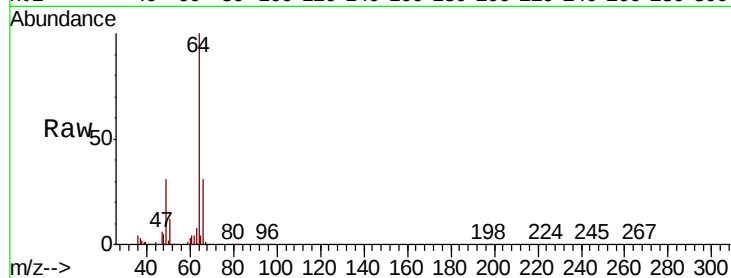
VSTDCCC010EC

Tot Ion: 64 Resp: 241269

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 9.320 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.05 min

Lab File: VL034617.D

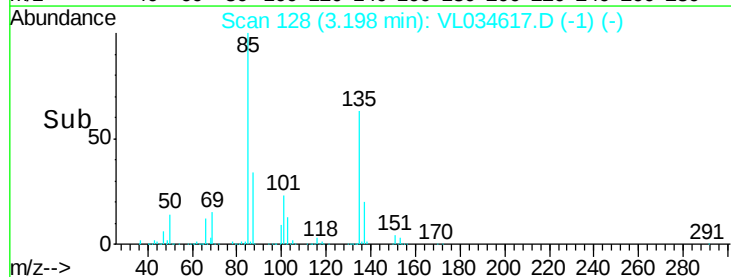
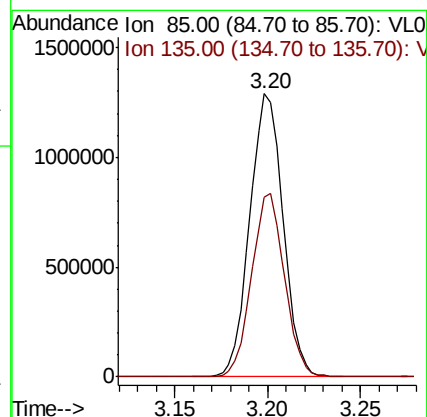
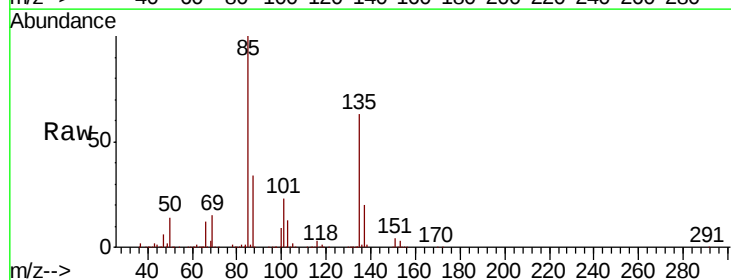
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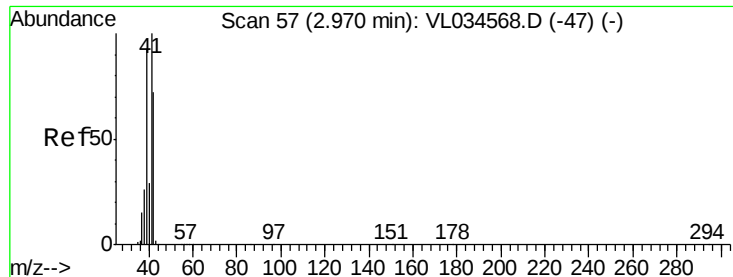
Tgt Ion: 85 Resp: 1620011

Ion Ratio Lower Upper

85 100

135 64.0 52.2 78.2

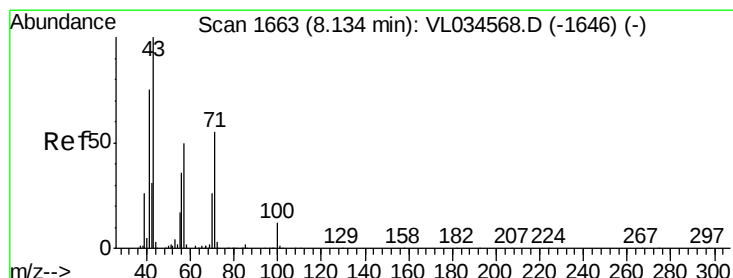
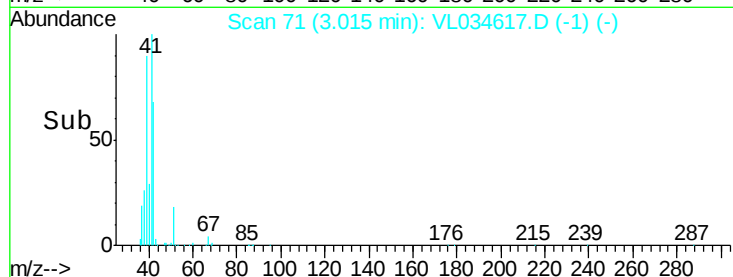
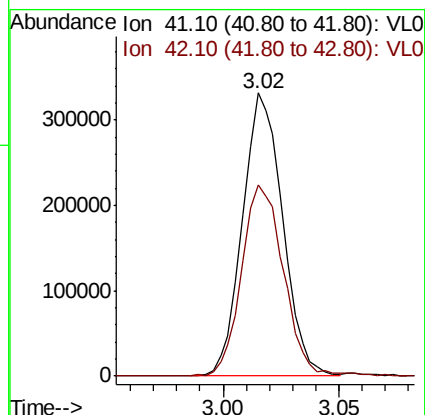
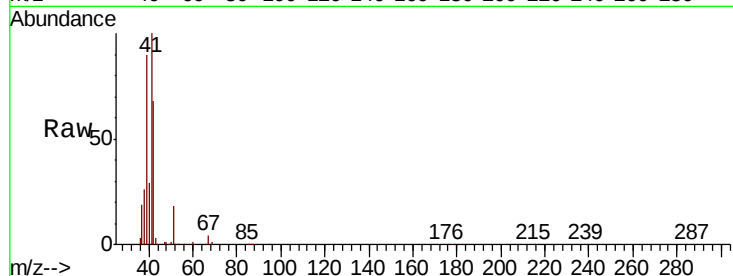




#9
 Propene
 Concen: 8.419 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.04 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

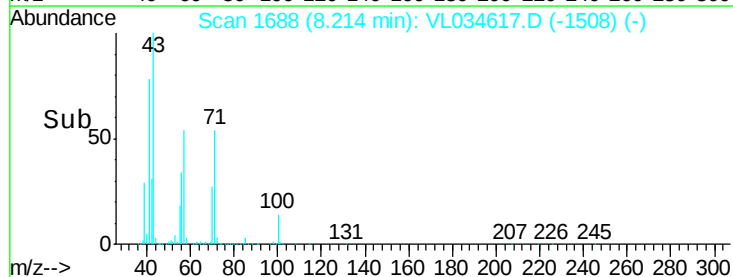
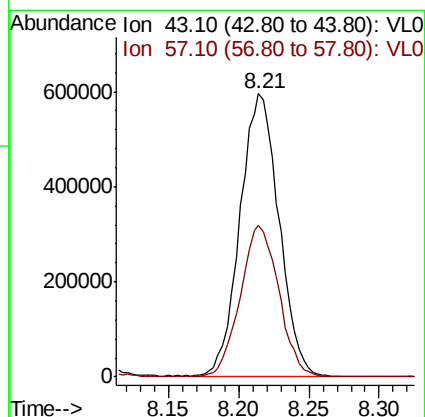
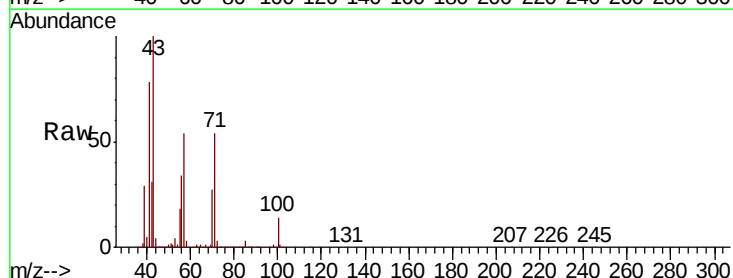
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

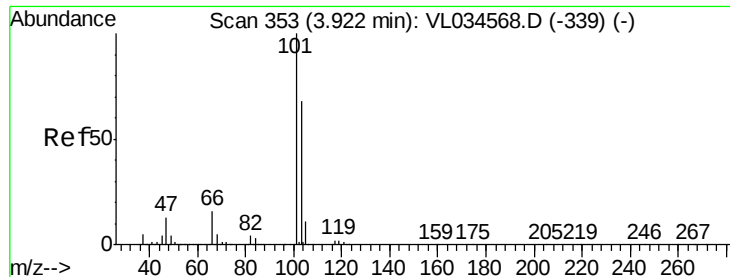
Tot Ion: 41 Resp: 399929
 Ion Ratio Lower Upper
 41 100
 42 70.9 57.0 85.4



#10
 Heptane
 Concen: 9.623 ppbv
 RT: 8.21 min Scan# 1688
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 43 Resp: 1150365
 Ion Ratio Lower Upper
 43 100
 57 53.2 41.2 61.8

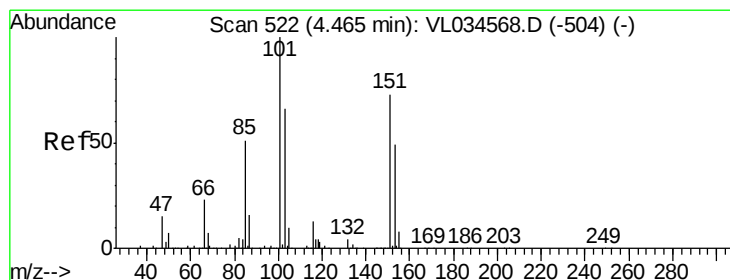
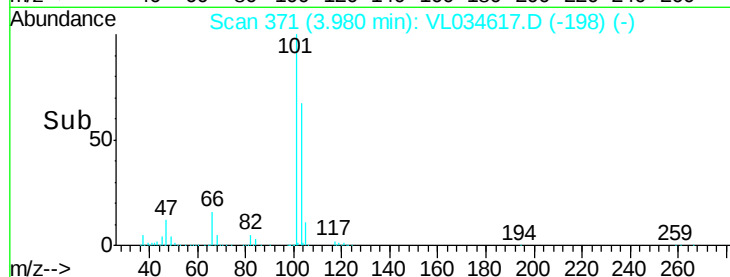
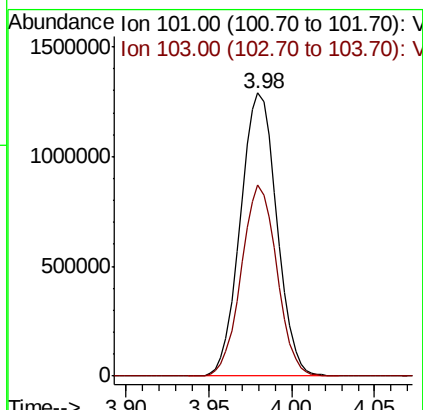
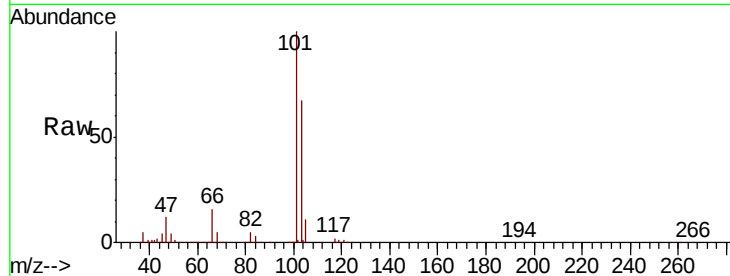




#11
 Trichlorofluoromethane
 Concen: 9.746 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

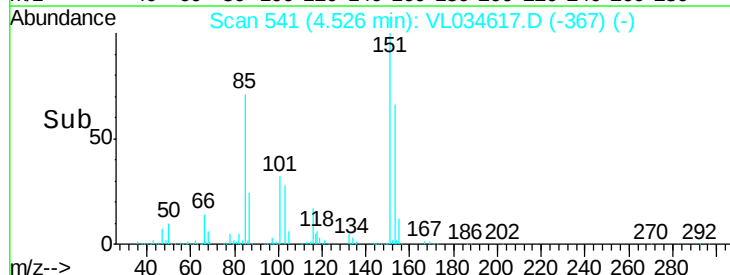
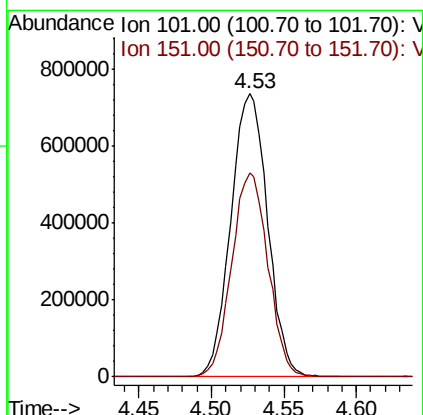
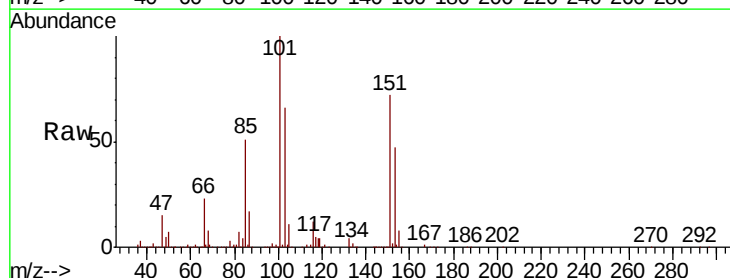
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

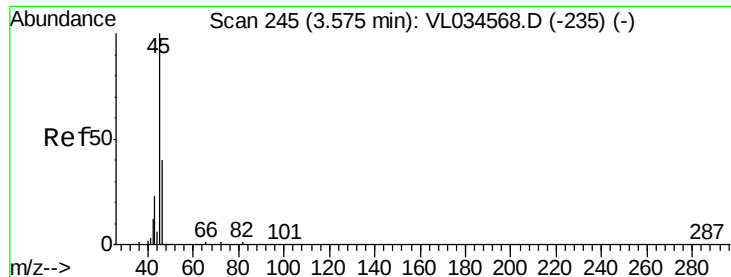
Tot Ion:101 Resp: 1968908
 Ion Ratio Lower Upper
 101 100
 103 67.5 54.4 81.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.842 ppbv
 RT: 4.53 min Scan# 541
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion:101 Resp: 1297334
 Ion Ratio Lower Upper
 101 100
 151 71.2 57.0 85.6

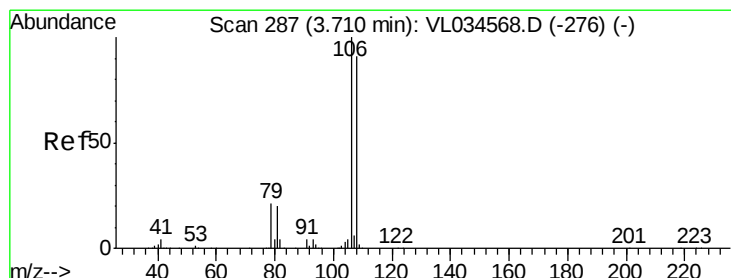
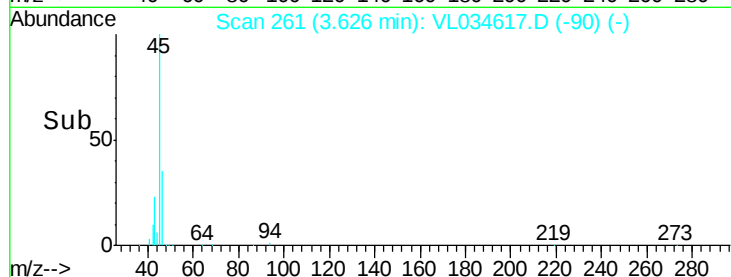
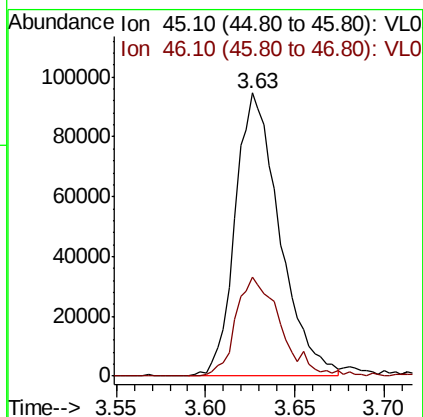
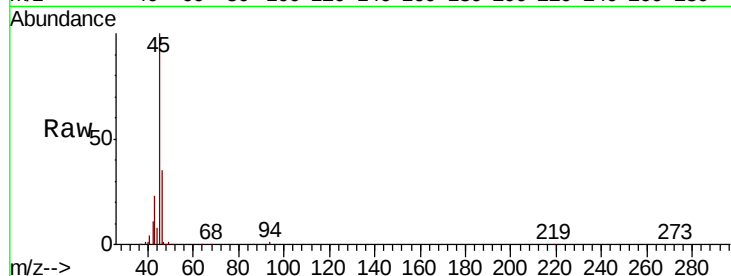




#13
Ethanol
Concen: 12.945 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

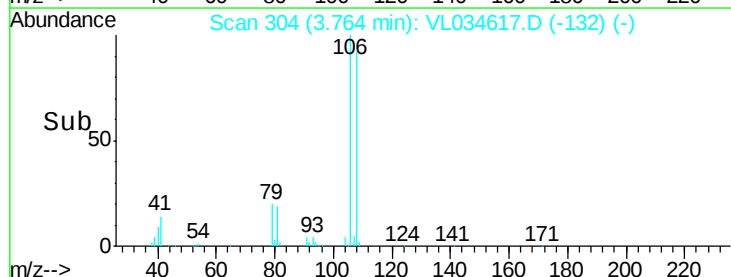
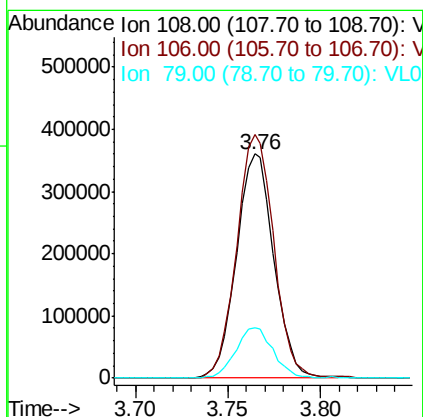
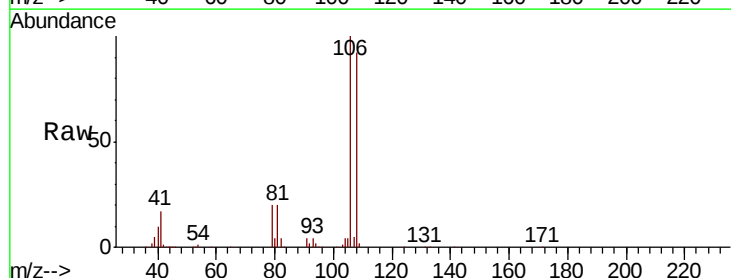
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

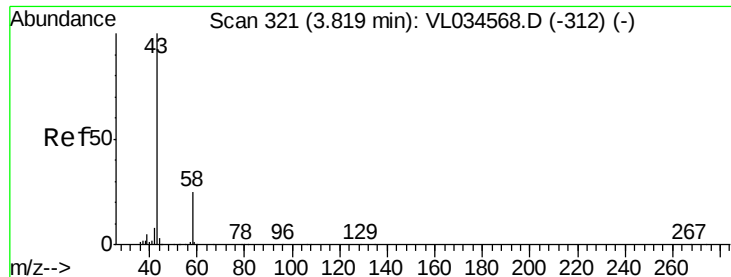
Tot Ion: 45 Resp: 164715
Ion Ratio Lower Upper
45 100
46 35.6 14.8 59.2



#14
Bromoethene
Concen: 9.762 ppbv
RT: 3.76 min Scan# 304
Delta R.T. 0.05 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 108 Resp: 504748
Ion Ratio Lower Upper
108 100
106 108.3 84.6 127.0
79 22.6 18.2 27.2





#15

Acetone

Concen: 10.089 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.06 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

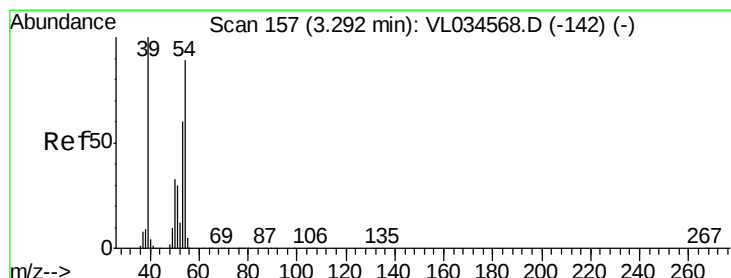
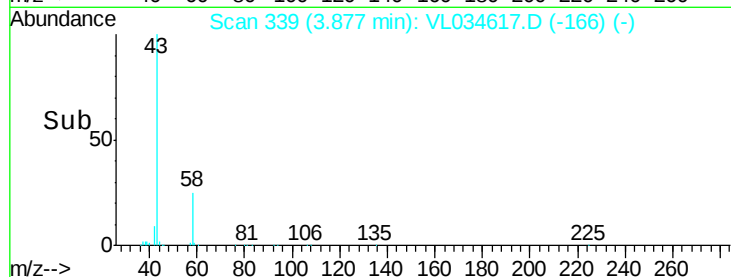
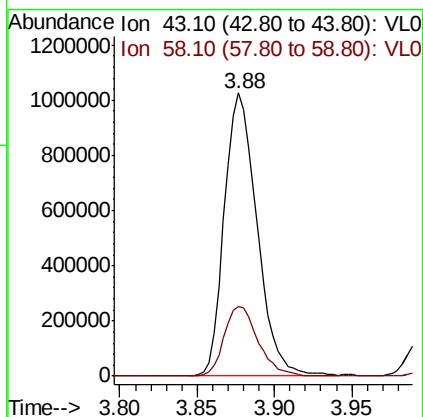
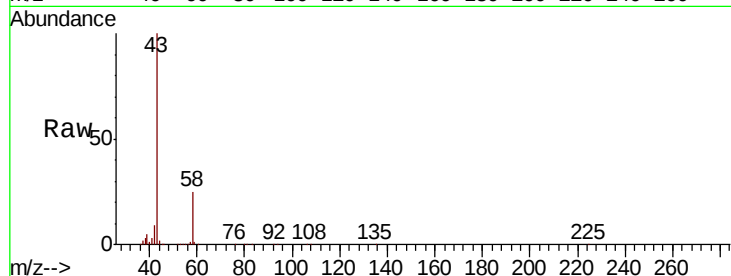
VSTDCCC010EC

Tot Ion: 43 Resp: 1497207

Ion Ratio Lower Upper

43 100

58 25.9 20.3 30.5



#16

1,3-Butadiene

Concen: 9.787 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.05 min

Lab File: VL034617.D

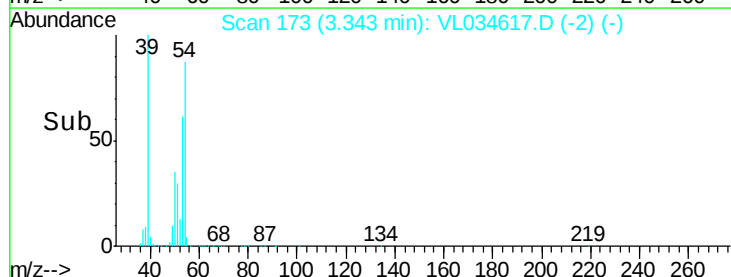
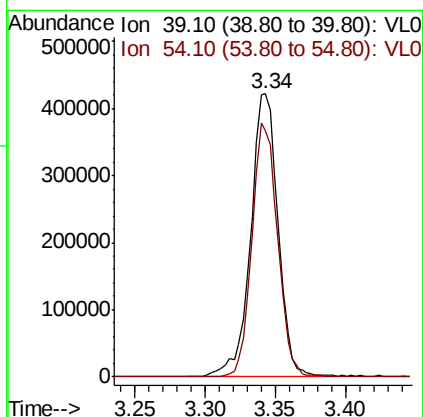
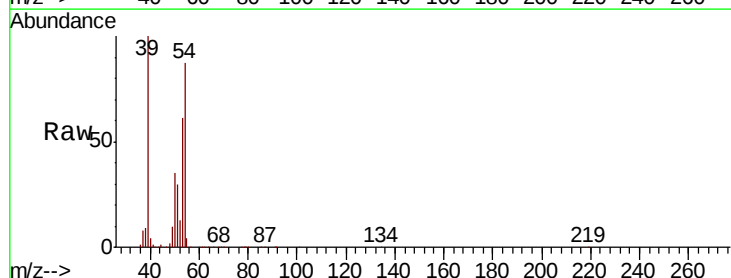
Acq: 7 Feb 2020 11:41

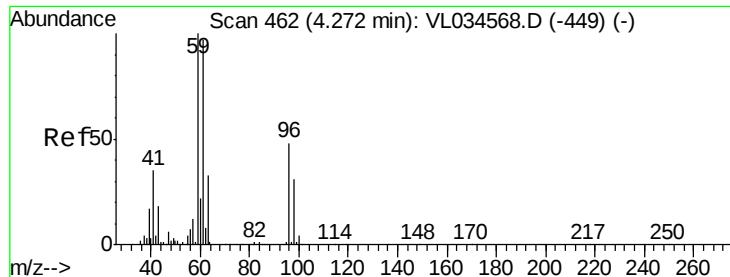
Tgt Ion: 39 Resp: 576731

Ion Ratio Lower Upper

39 100

54 83.8 66.7 100.1





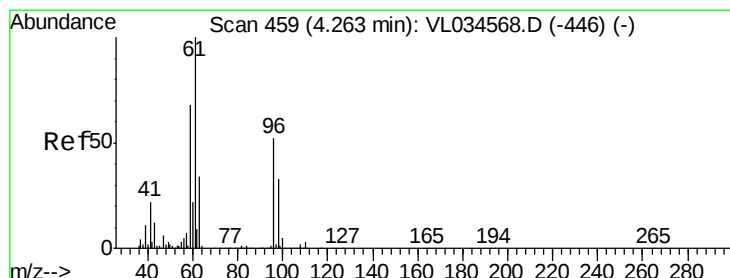
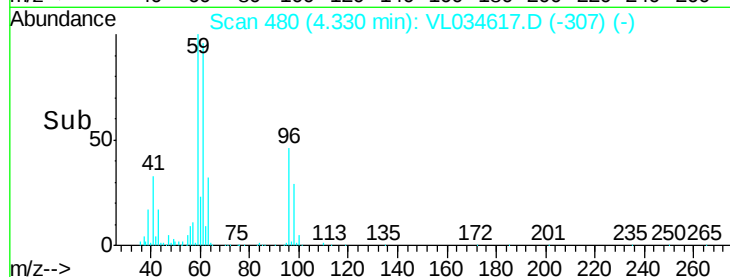
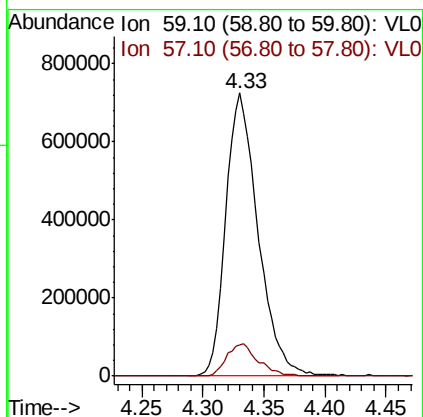
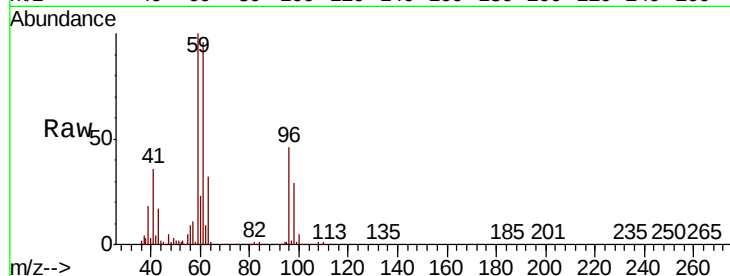
#17

tert-Butyl alcohol
 Concen: 12.315 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1343990

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.7	13.1

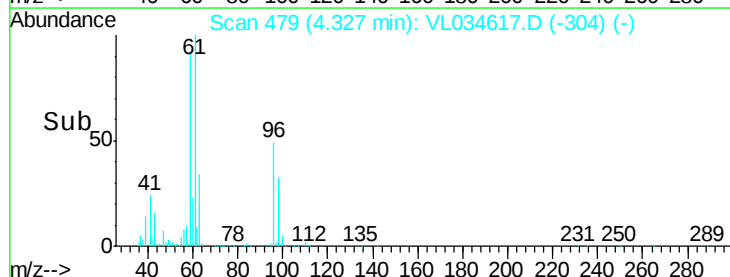
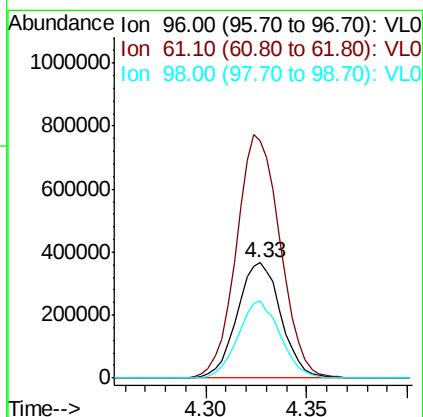
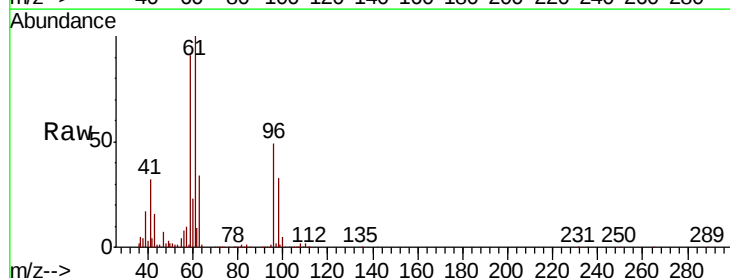


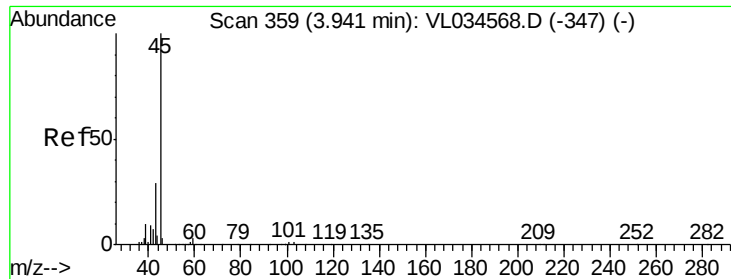
#18

1,1-Dichloroethene
 Concen: 9.994 ppbv
 RT: 4.33 min Scan# 479
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 96 Resp: 556105

Ion	Ratio	Lower	Upper
96	100		
61	205.1	154.5	231.7
98	67.6	50.3	75.5



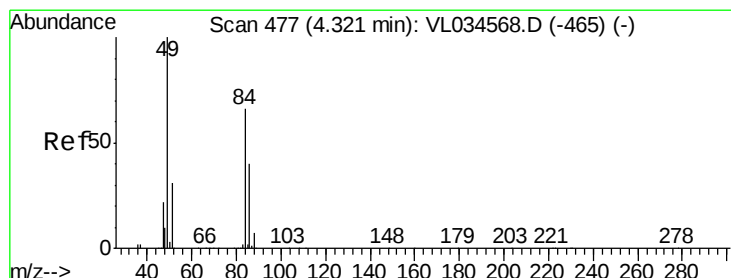
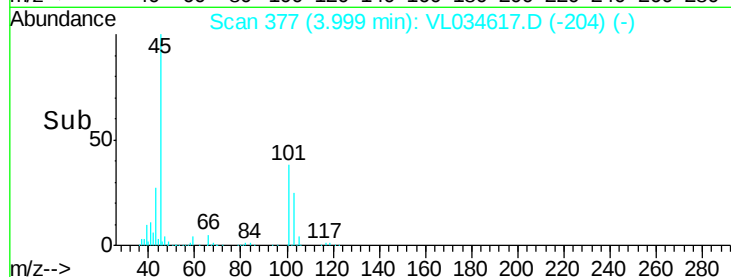
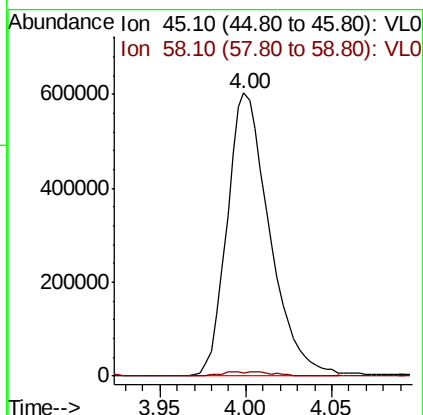
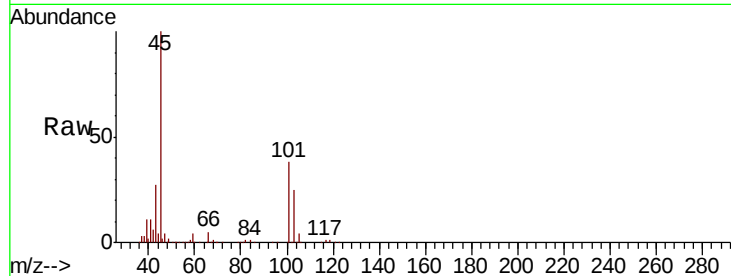


#19

Isopropyl Alcohol
 Concen: 11.977 ppbv
 RT: 4.00 min Scan# 377
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

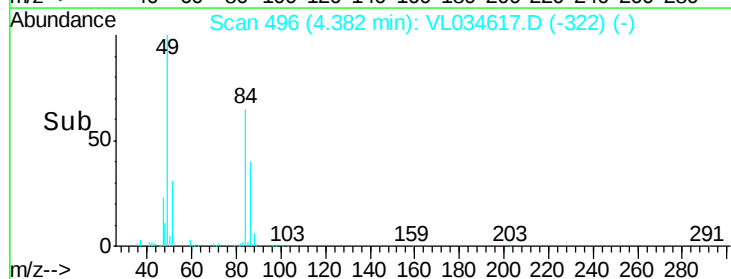
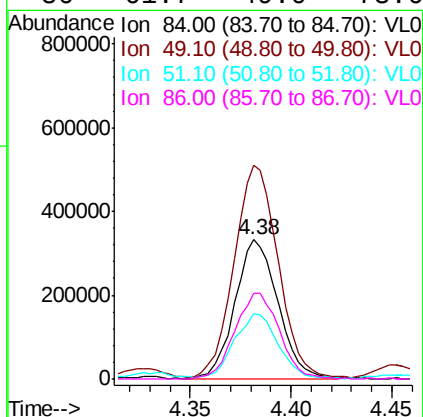
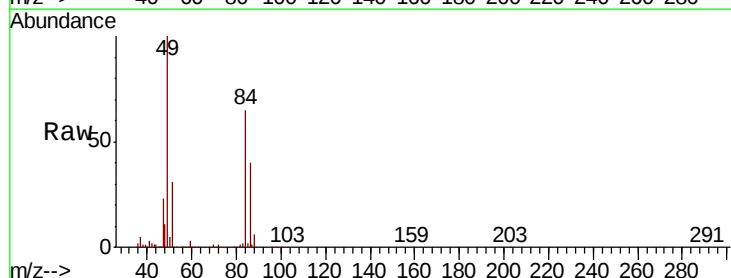
Tot Ion: 45 Resp: 1037197
 Ion Ratio Lower Upper
 45 100
 58 2.1 1.7 2.5

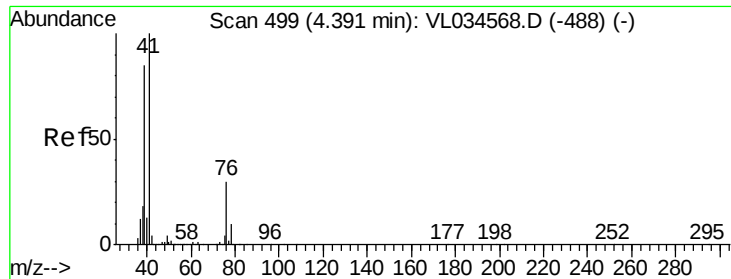


#20

Methylene Chloride
 Concen: 8.757 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 84 Resp: 494811
 Ion Ratio Lower Upper
 84 100
 49 152.8 122.4 183.6
 51 47.0 38.6 57.8
 86 61.7 49.0 73.6





#21

Allvl Chloride

Concen: 9.816 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.06 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

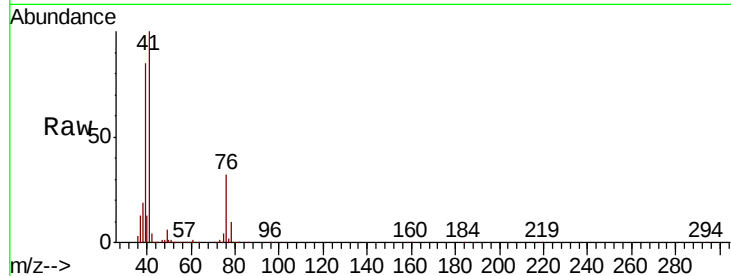
Tot Ion: 41 Resp: 904631

Ion Ratio Lower Upper

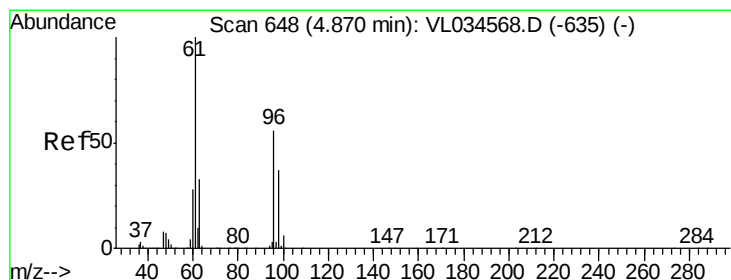
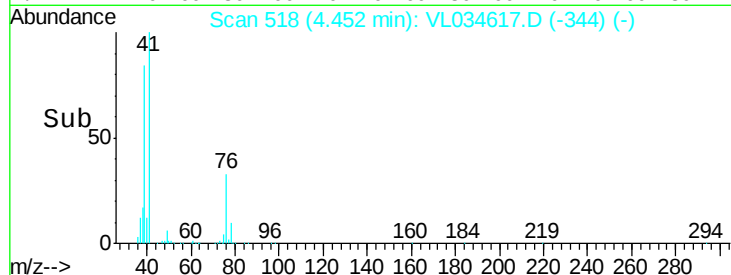
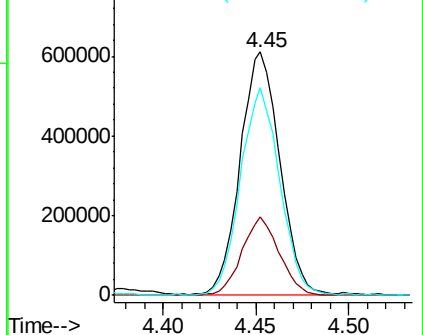
41 100

76 30.5 24.2 36.2

39 85.0 68.3 102.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.668 ppbv

RT: 4.94 min Scan# 669

Delta R.T. 0.07 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

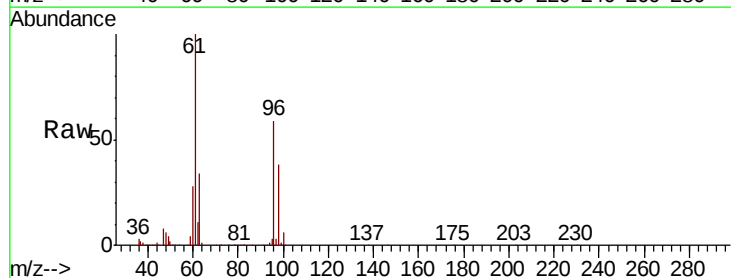
Tgt Ion: 96 Resp: 563371

Ion Ratio Lower Upper

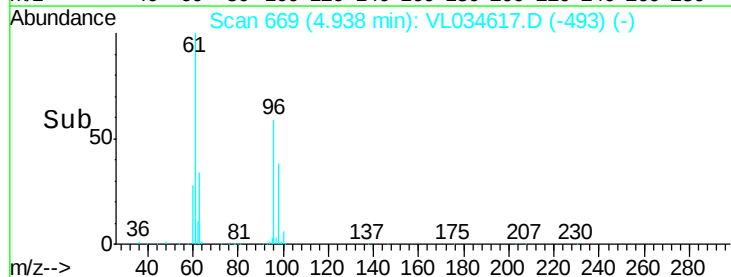
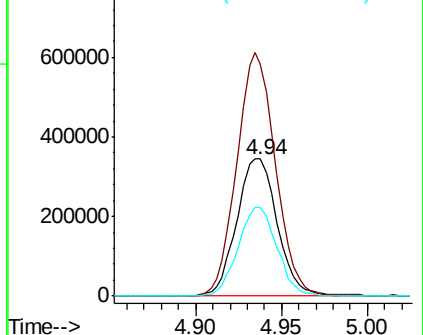
96 100

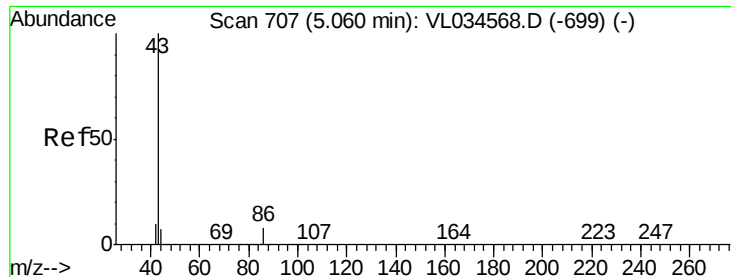
61 168.8 141.9 212.9

98 64.8 53.1 79.7



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



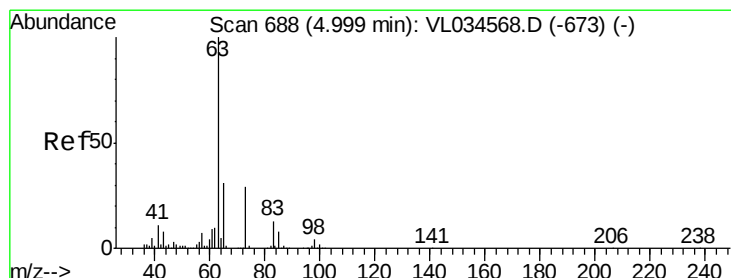
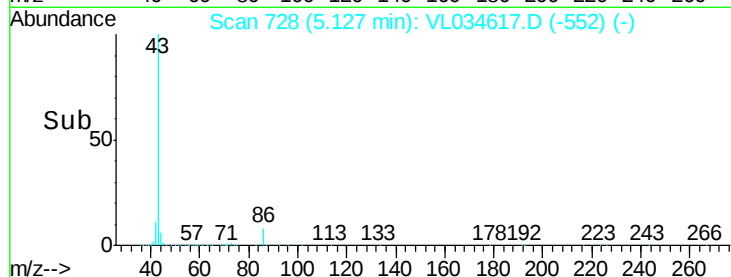
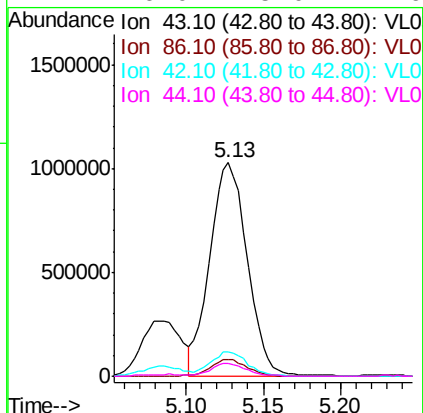
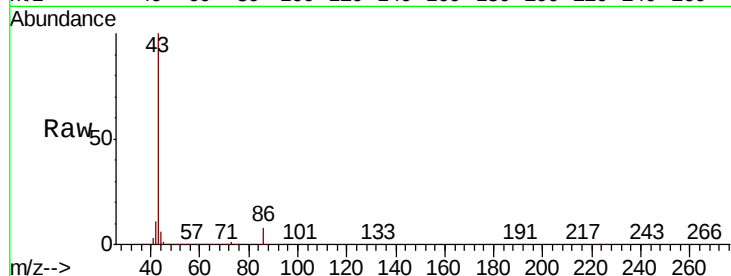


#23
 Vinyl Acetate
 Concen: 10.208 ppbv
 RT: 5.13 min Scan# 728
 Delta R.T. 0.07 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 43 Resp: 1728313

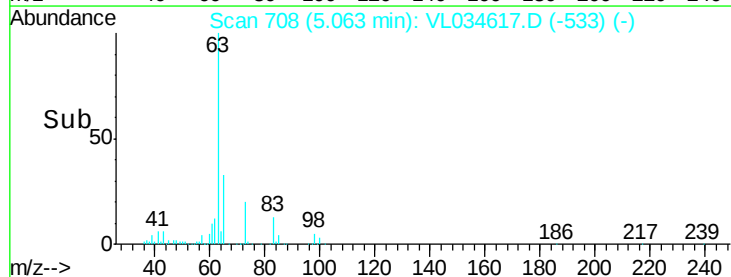
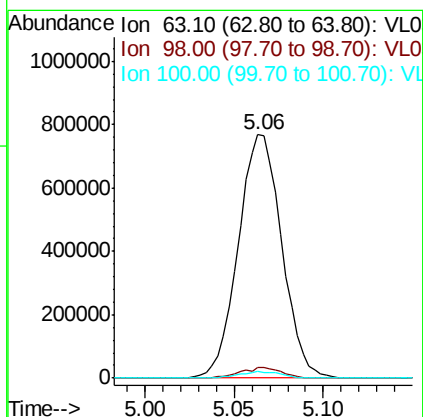
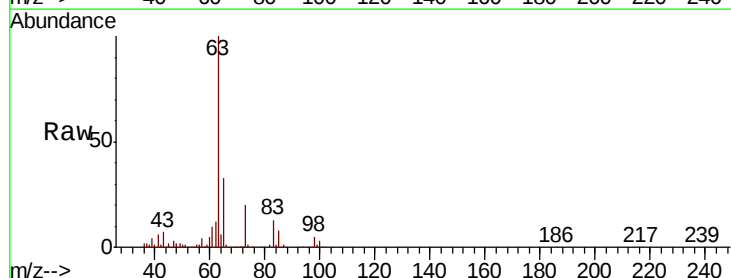
Ion	Ratio	Lower	Upper
43	100		
86	7.6	5.9	8.9
42	11.1	8.8	13.2
44	6.0	5.0	7.6

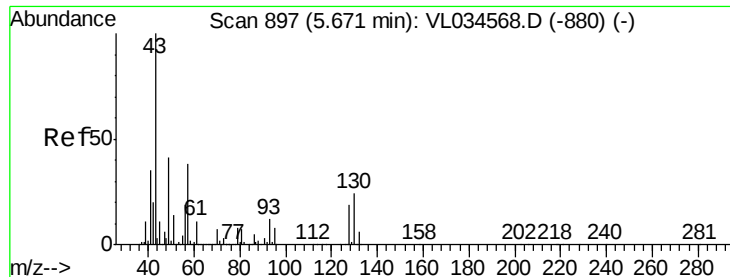


#24
 1,1-Dichloroethane
 Concen: 9.233 ppbv
 RT: 5.06 min Scan# 708
 Delta R.T. 0.06 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 63 Resp: 1305087

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.7	1.1	3.5

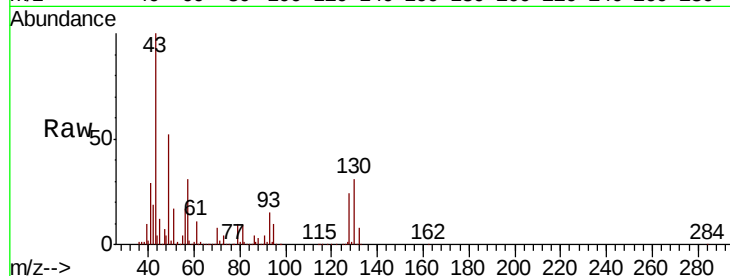




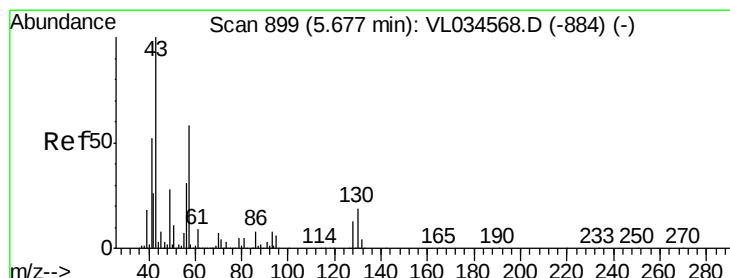
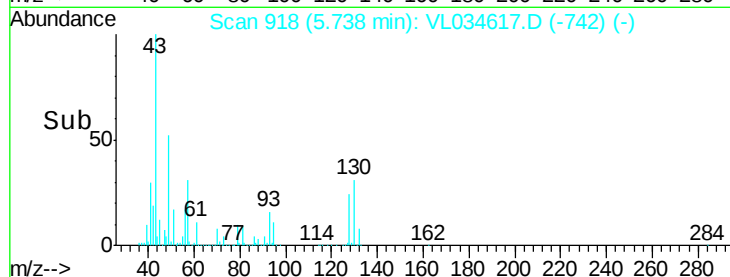
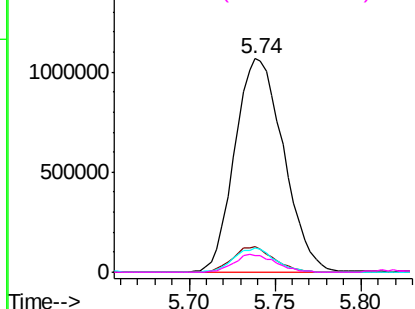
#25
Ethyl Acetate
Concen: 8.739 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:	43	Resp:	2099335
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	9.6	7.8	11.6
70	7.2	5.8	8.8

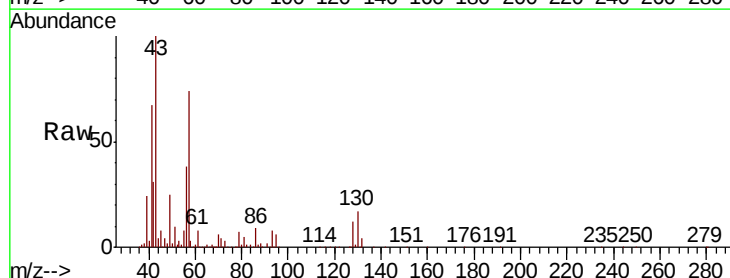


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

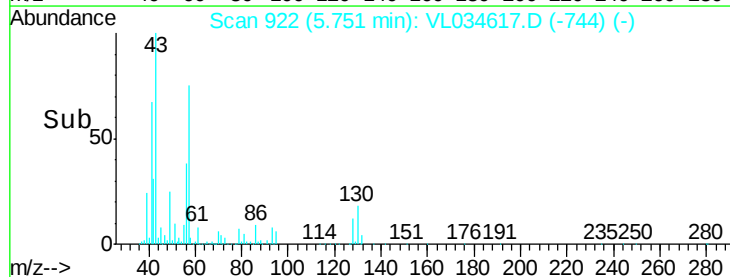
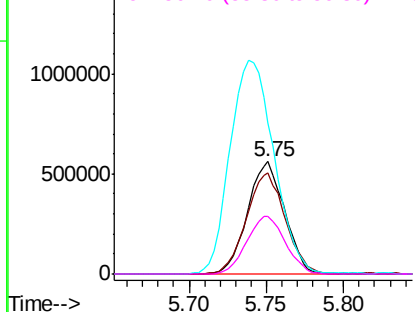


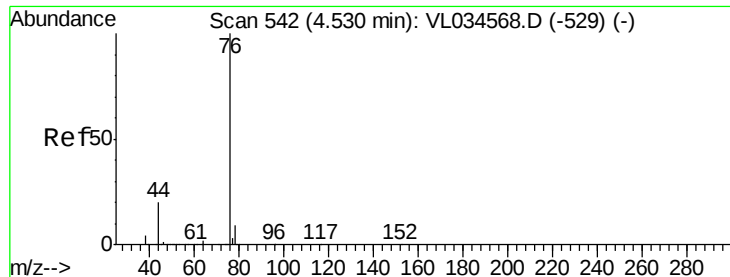
#26
Hexane
Concen: 9.306 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:	57	Resp:	936388
Ion	Ratio	Lower	Upper
57	100		
41	94.8	76.2	114.2
43	226.3	189.9	284.9
56	53.8	43.6	65.4



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.307 ppbv

RT: 4.59 min Scan# 562

Delta R.T. 0.06 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

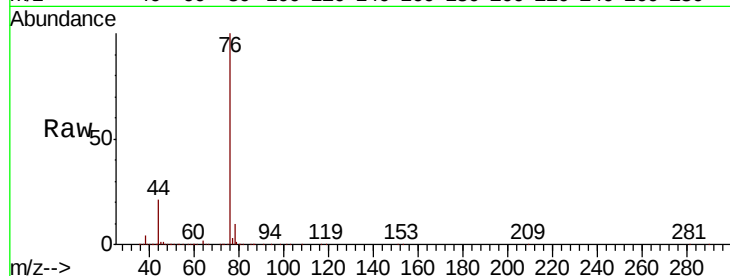
Tot Ion: 76 Resp: 1399413

Ion Ratio Lower Upper

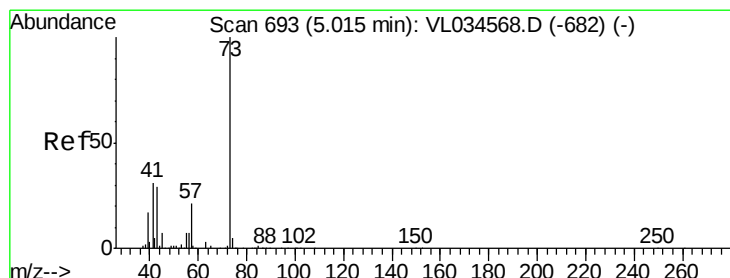
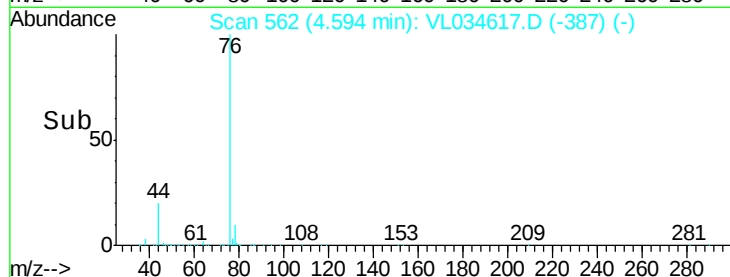
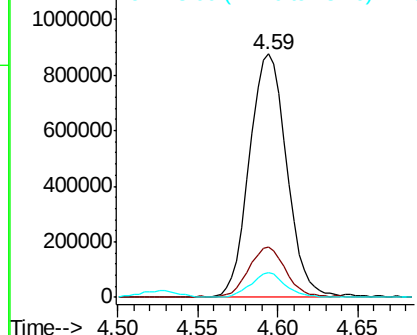
76 100

44 20.3 16.3 24.5

78 9.4 7.4 11.2



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



#28

Methyl tert-Butyl Ether

Concen: 9.643 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.07 min

Lab File: VL034617.D

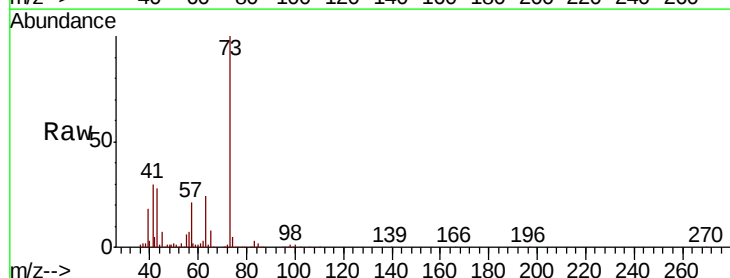
Acq: 7 Feb 2020 11:41

Tgt Ion: 73 Resp: 1654837

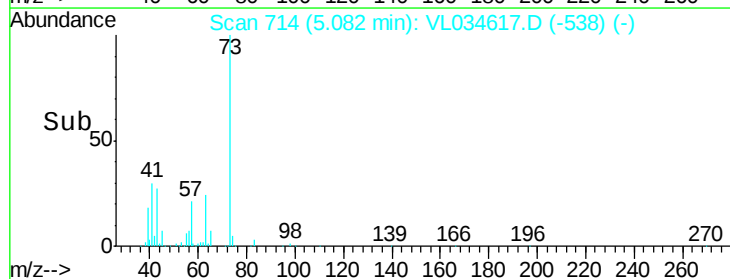
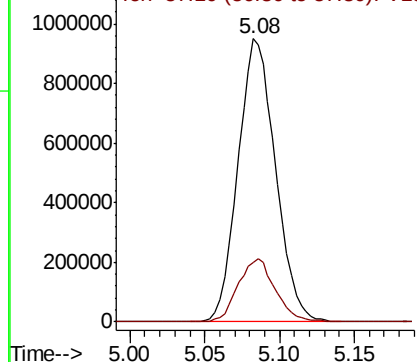
Ion Ratio Lower Upper

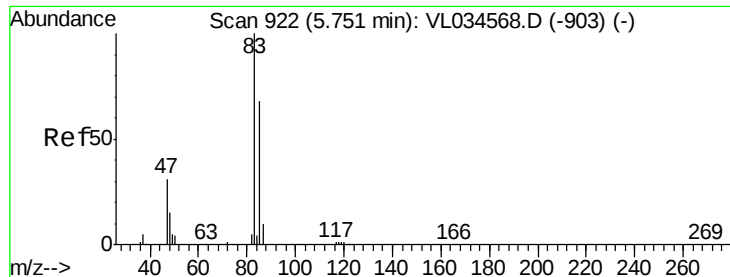
73 100

57 22.3 17.9 26.9



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

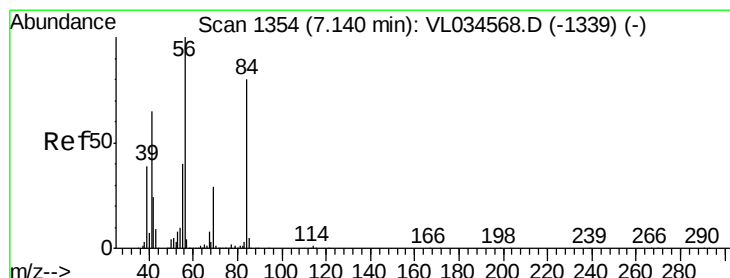
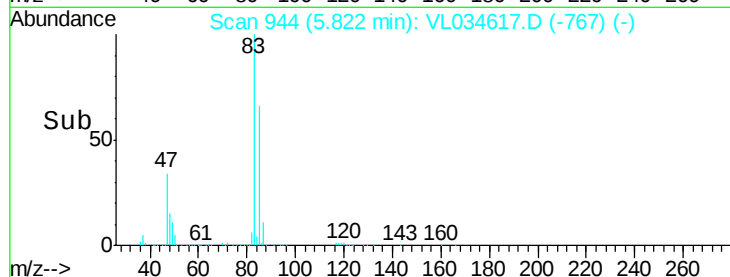
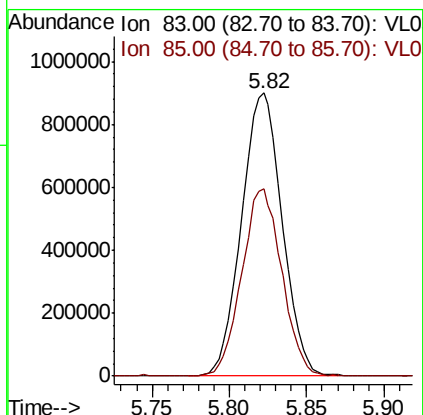
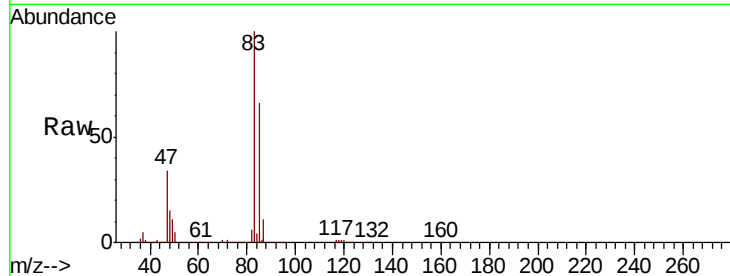




#29
Chloroform
Concen: 9.267 ppbv
RT: 5.82 min Scan# 944
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

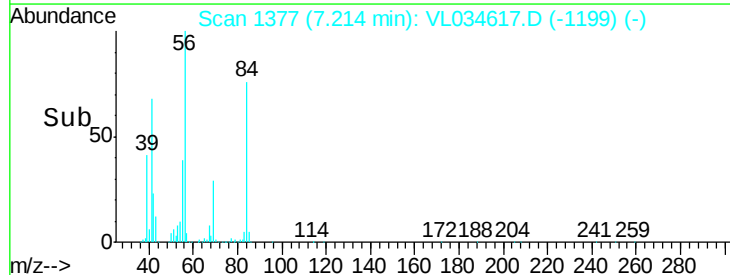
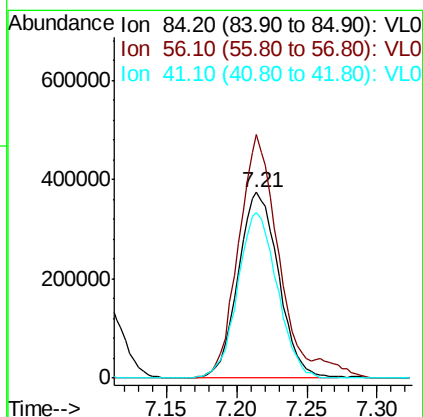
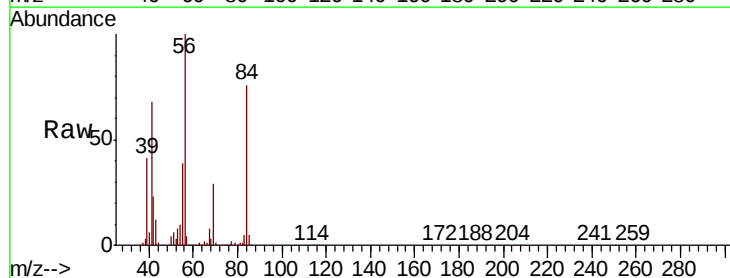
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

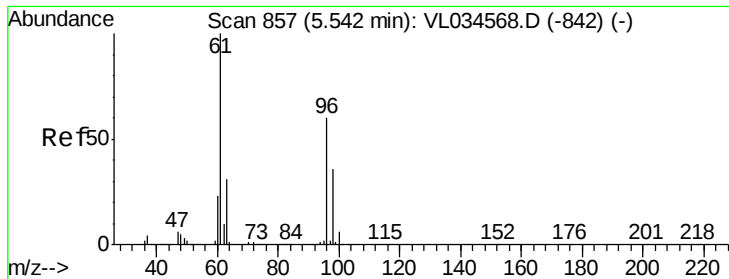
Tot Ion: 83 Resp: 1648931
Ion Ratio Lower Upper
83 100
85 66.0 54.0 81.0



#30
Cyclohexane
Concen: 10.087 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.07 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 84 Resp: 752180
Ion Ratio Lower Upper
84 100
56 133.0 110.5 165.7
41 86.9 71.9 107.9





#31

cis-1,2-Dichloroethene

Concen: 9.463 ppbv

RT: 5.61 min Scan# 879

Delta R.T. 0.07 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

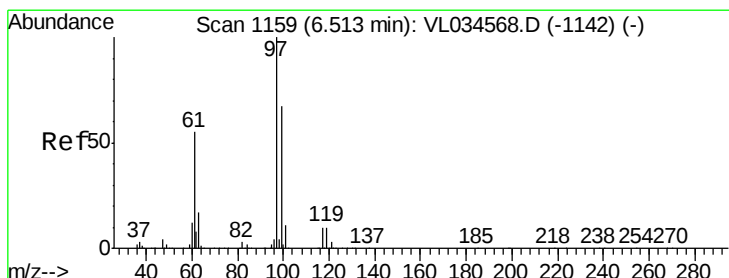
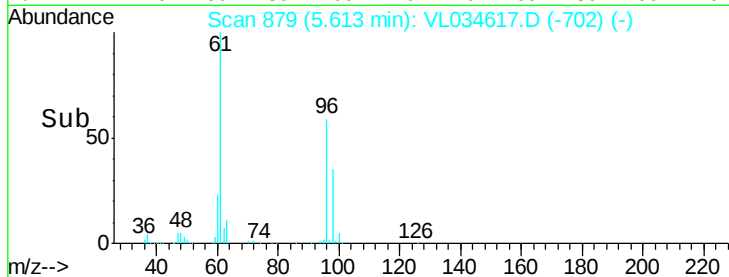
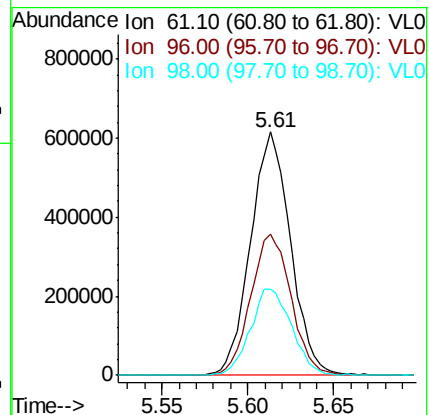
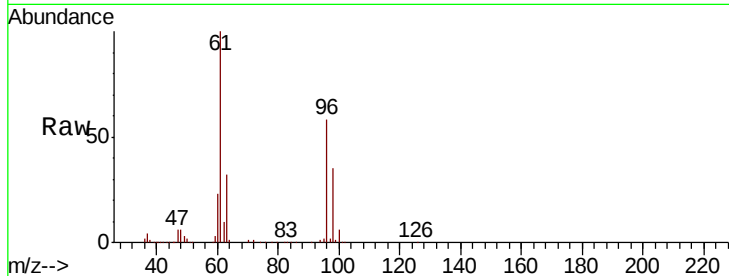
Tot Ion: 61 Resp: 989334

Ion Ratio Lower Upper

61 100

96 58.0 48.0 72.0

98 35.3 28.6 43.0



#32

1,1,1-Trichloroethane

Concen: 9.121 ppbv

RT: 6.59 min Scan# 1182

Delta R.T. 0.07 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

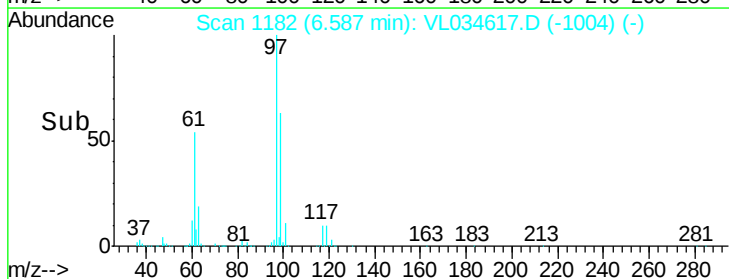
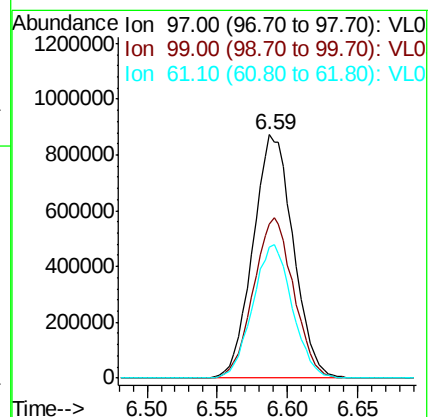
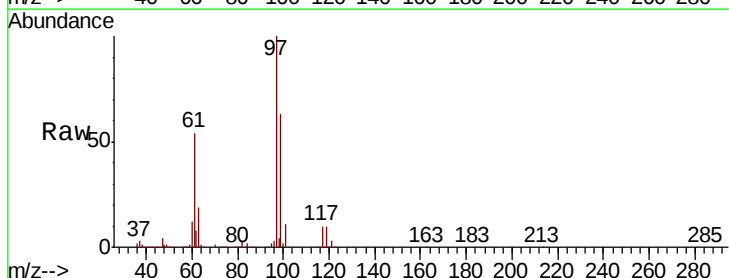
Tgt Ion: 97 Resp: 1742583

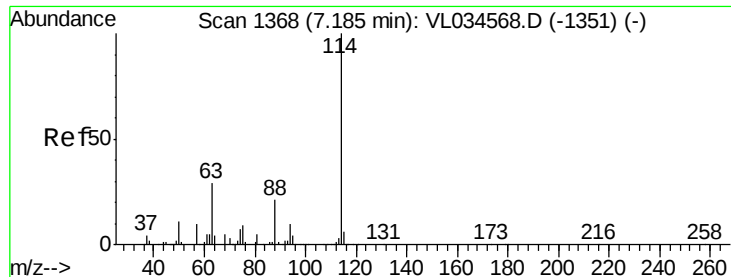
Ion Ratio Lower Upper

97 100

99 65.7 52.2 78.2

61 54.1 43.0 64.4

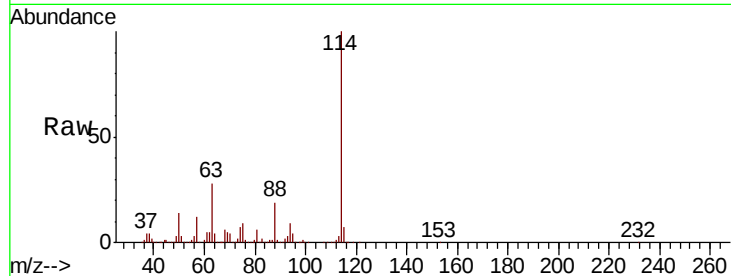




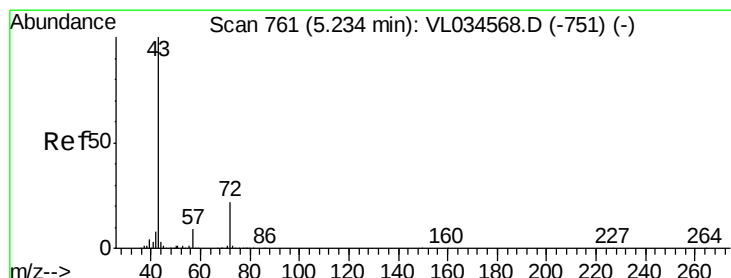
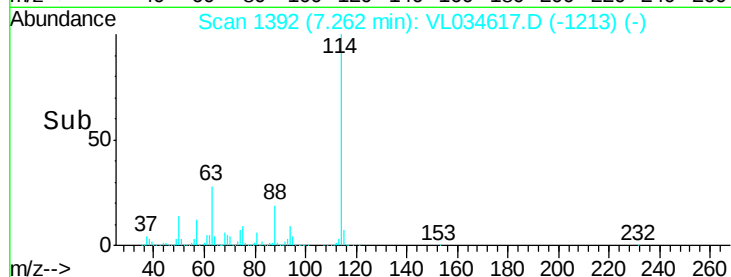
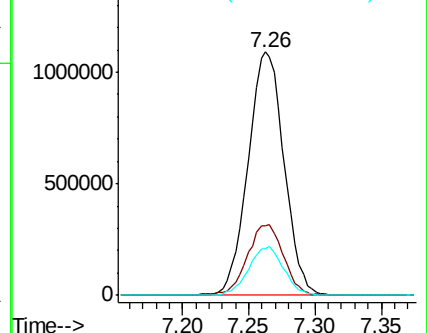
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1392
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 2056430
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 19.6 15.9 23.9

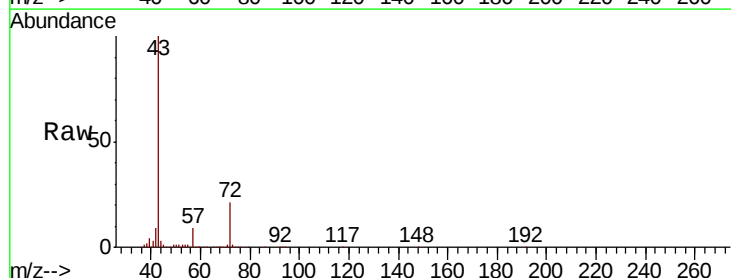


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

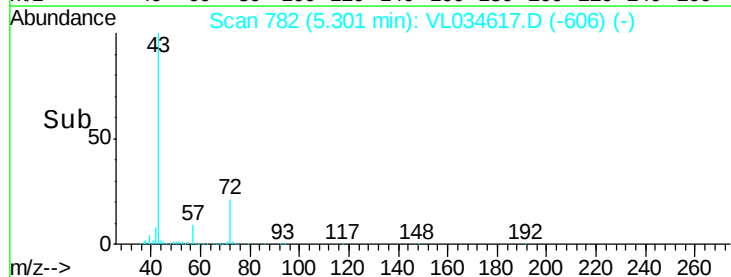
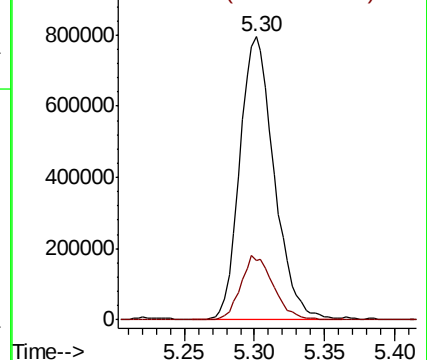


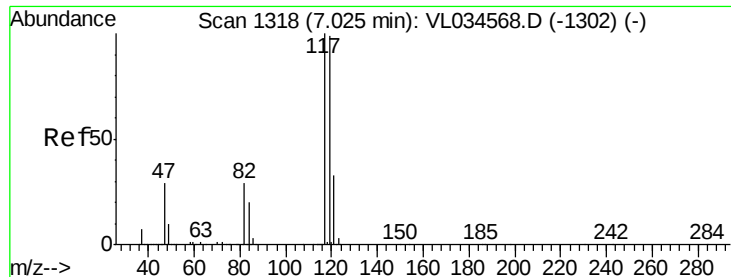
#34
 2-Butanone
 Concen: 9.095 ppbv
 RT: 5.30 min Scan# 782
 Delta R.T. 0.07 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 43 Resp: 1357957
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.2 25.8



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

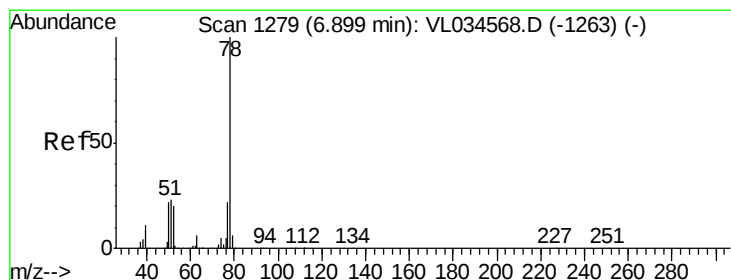
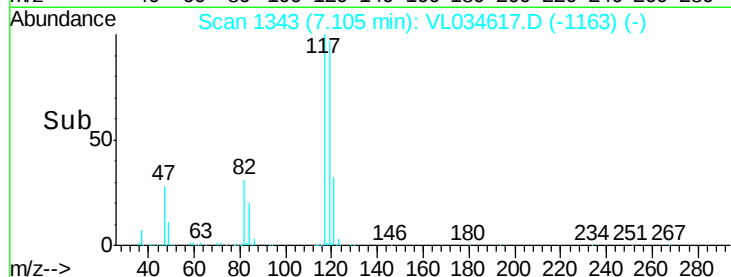
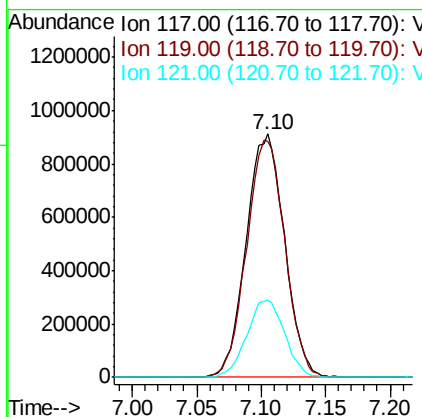
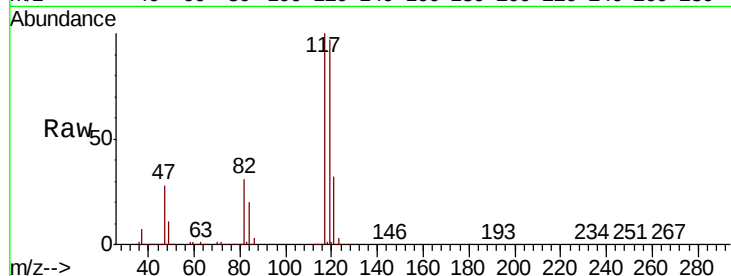




#35
Carbon Tetrachloride
Concen: 9.640 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

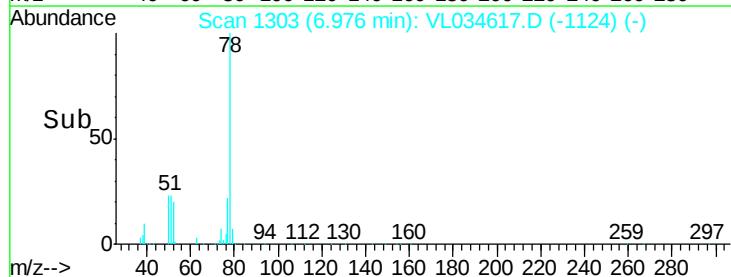
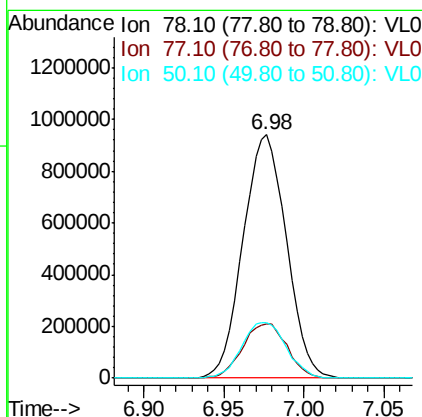
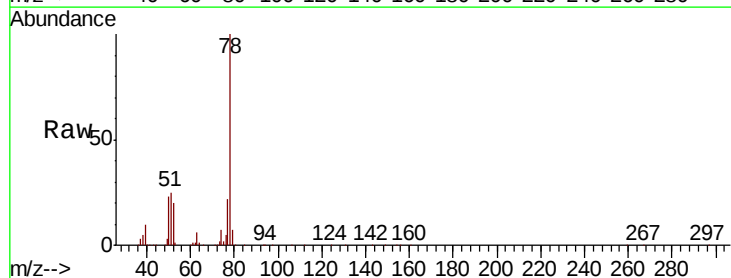
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

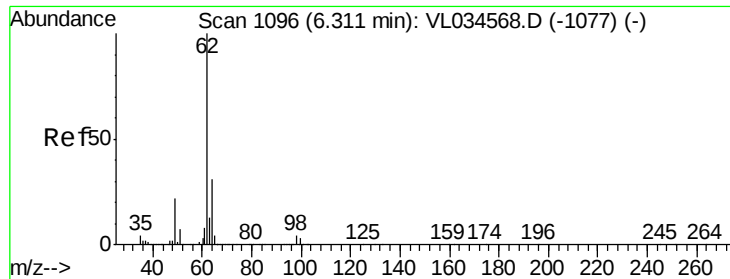
Tot Ion:117 Resp: 1895217
Ion Ratio Lower Upper
117 100
119 96.9 79.5 119.3
121 31.9 26.2 39.2



#36
Benzene
Concen: 9.521 ppbv
RT: 6.98 min Scan# 1303
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 78 Resp: 1741107
Ion Ratio Lower Upper
78 100
77 22.1 17.3 25.9
50 23.0 17.4 26.2

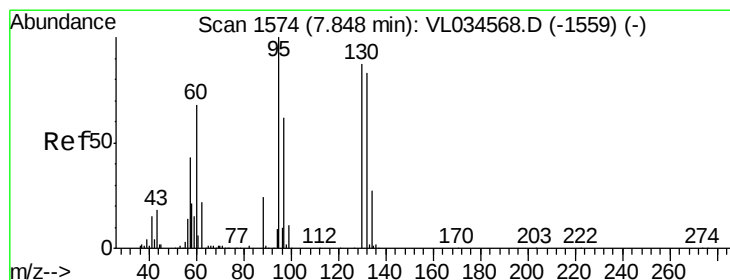
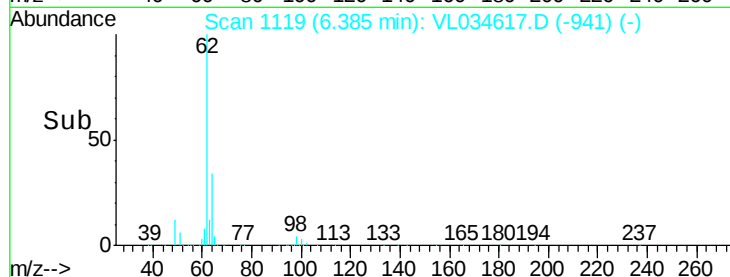
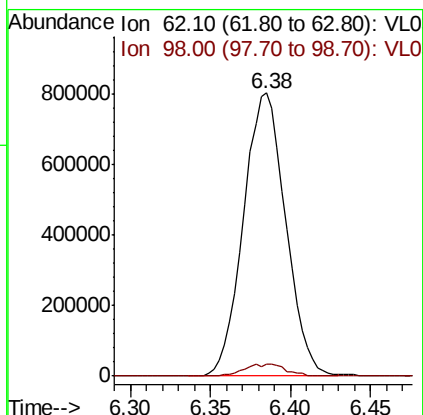
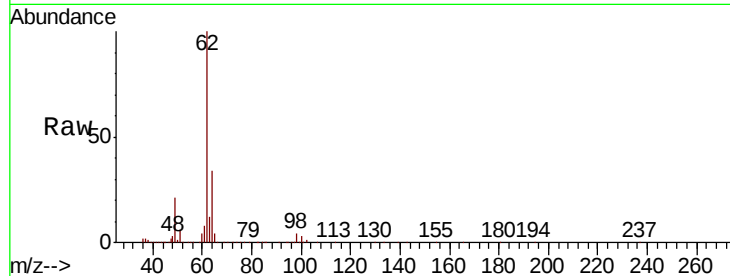




#37
 1,2-Dichloroethane
 Concen: 9.494 ppbv
 RT: 6.38 min Scan# 1119
 Delta R.T. 0.07 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

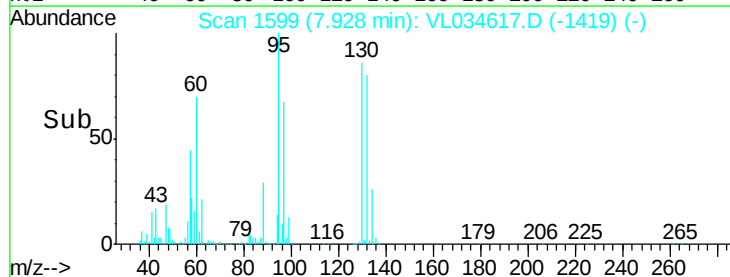
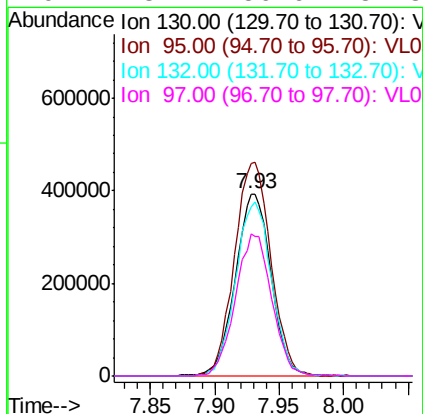
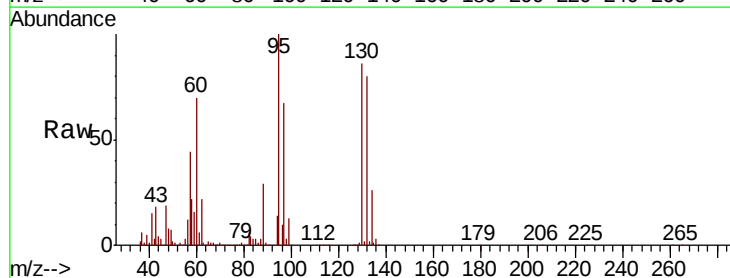
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

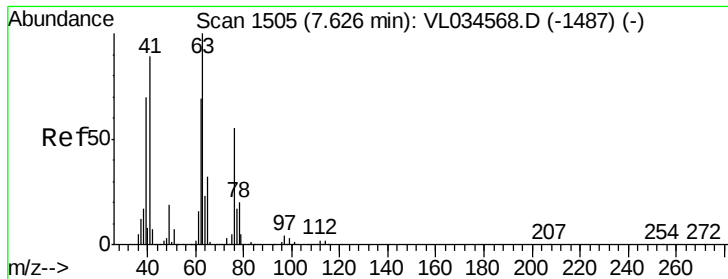
Tot Ion: 62 Resp: 1448589
 Ion Ratio Lower Upper
 62 100
 98 4.3 3.7 5.5



#38
 Trichloroethene
 Concen: 9.810 ppbv
 RT: 7.93 min Scan# 1599
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 130 Resp: 756237
 Ion Ratio Lower Upper
 130 100
 95 116.4 91.6 137.4
 132 92.9 76.1 114.1
 97 78.1 56.6 84.8

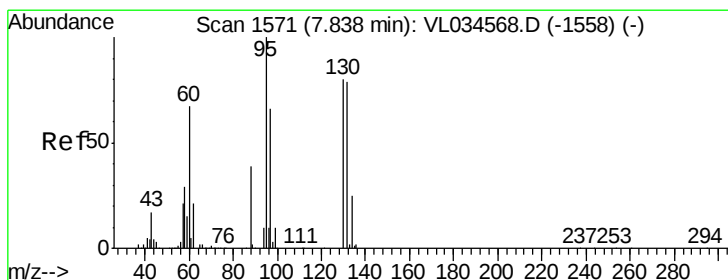
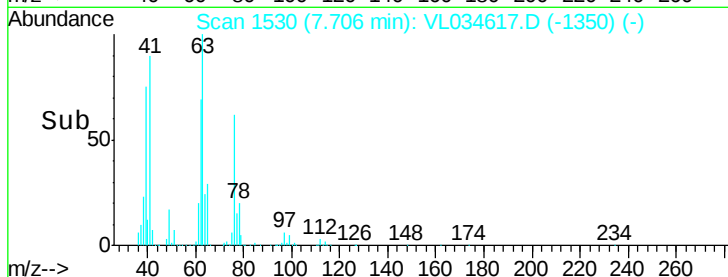
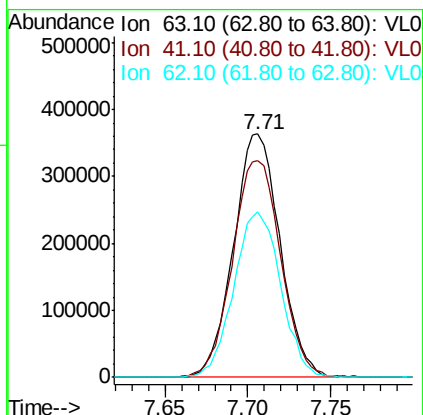
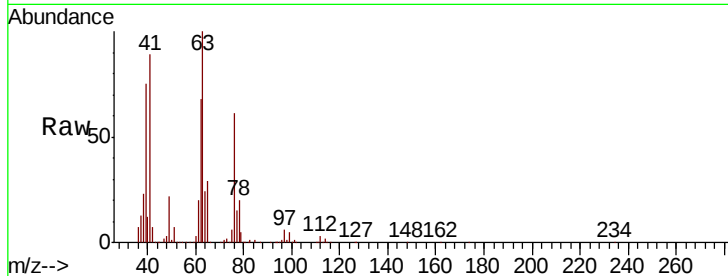




#39
 1,2-Dichloropropane
 Concen: 9.283 ppbv
 RT: 7.71 min Scan# 1530
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

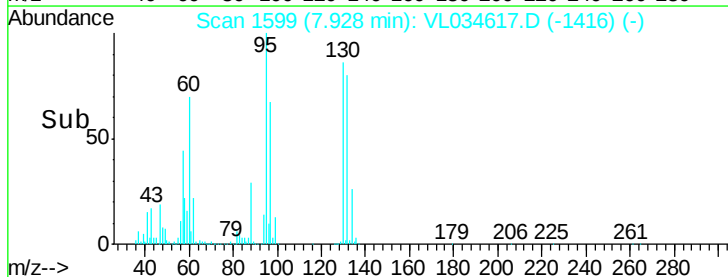
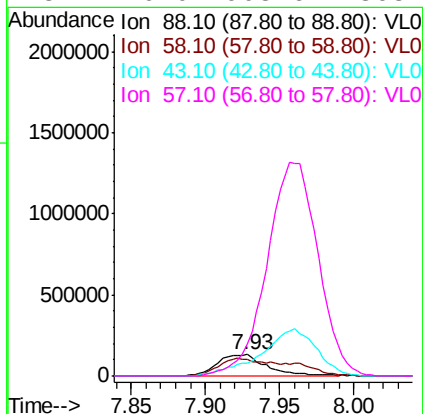
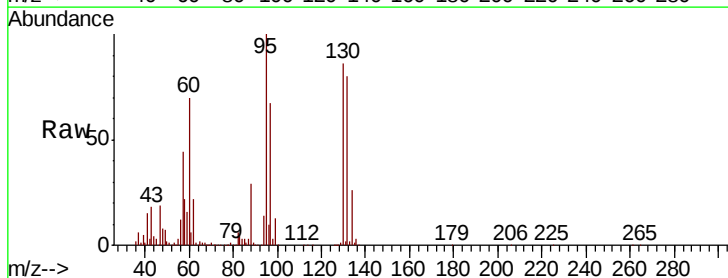
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

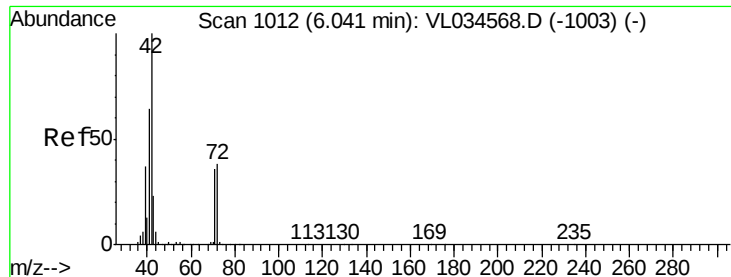
Tot Ion: 63 Resp: 703785
 Ion Ratio Lower Upper
 63 100
 41 88.9 71.0 106.4
 62 67.8 55.4 83.0



#40
 1,4-Dioxane
 Concen: 10.372 ppbv m
 RT: 7.93 min Scan# 1599
 Delta R.T. 0.09 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 88 Resp: 302265
 Ion Ratio Lower Upper
 88 100
 58 125.4 107.8 161.8
 43 0.0 220.9 331.3#
 57 0.0 908.6 1363.0#





#41

Tetrahydrofuran

Concen: 9.190 ppbv

RT: 6.12 min Scan# 1036

Delta R.T. 0.08 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

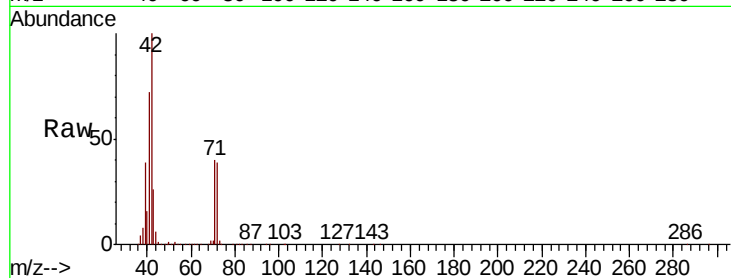
Tot Ion: 42 Resp: 715815

Ion Ratio Lower Upper

42 100

72 40.4 31.8 47.8

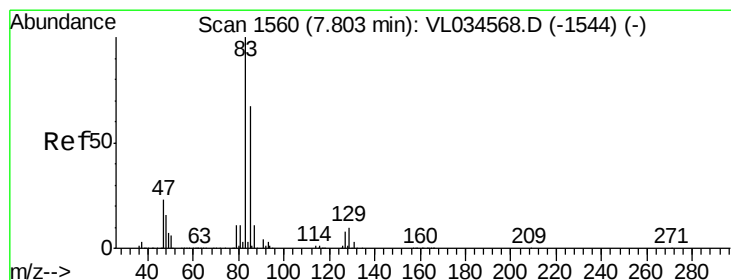
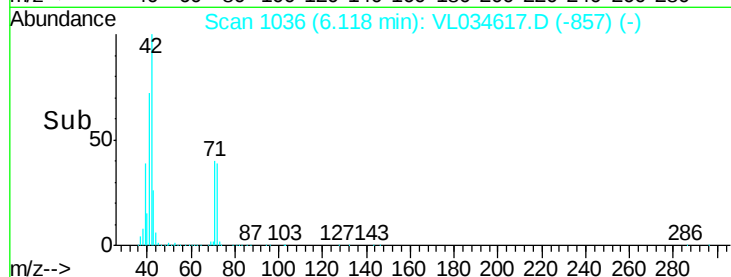
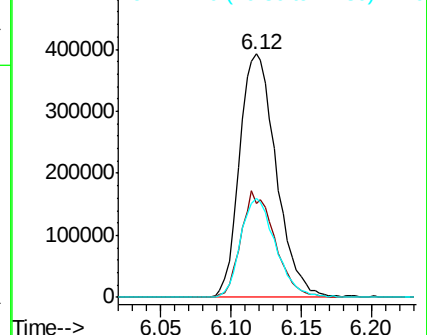
71 39.0 30.2 45.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.809 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. 0.08 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

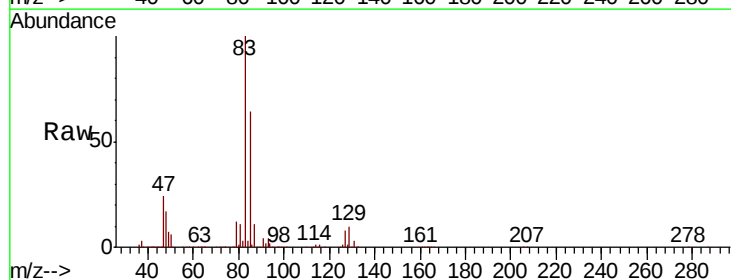
Tgt Ion: 83 Resp: 1842011

Ion Ratio Lower Upper

83 100

85 64.1 53.2 79.8

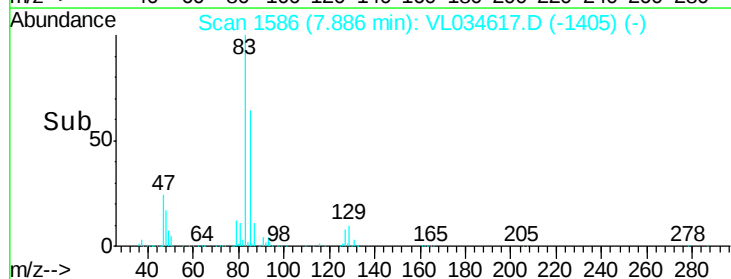
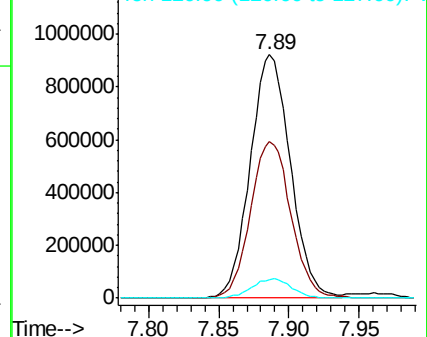
127 7.7 6.5 9.7

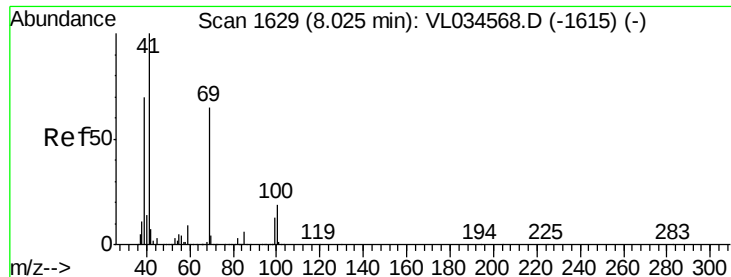


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

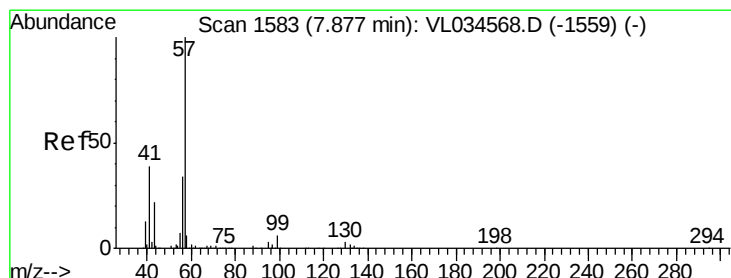
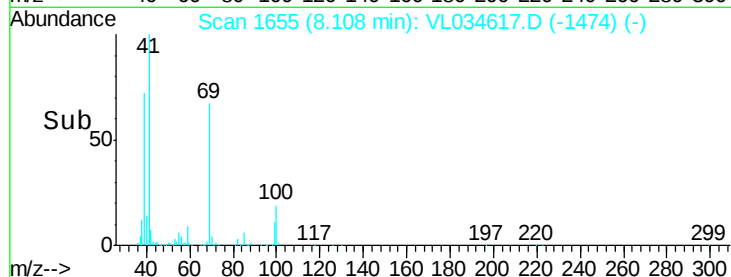
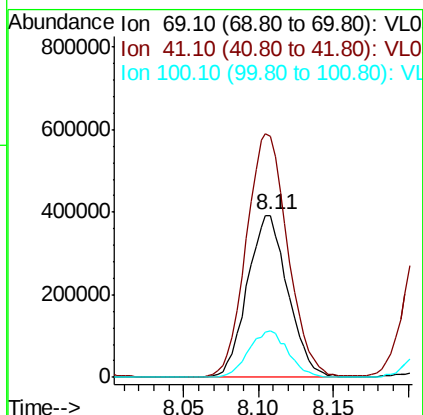
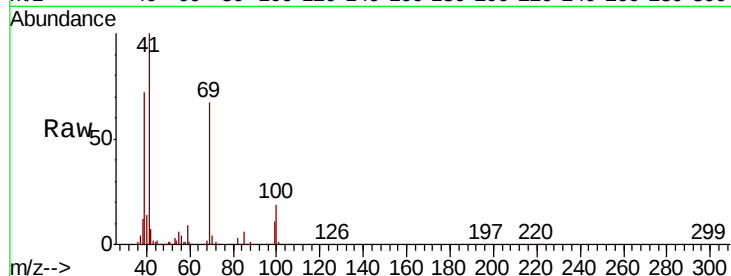




#43
Methvl Methacrylate
Concen: 10.069 ppbv
RT: 8.11 min Scan# 1655
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

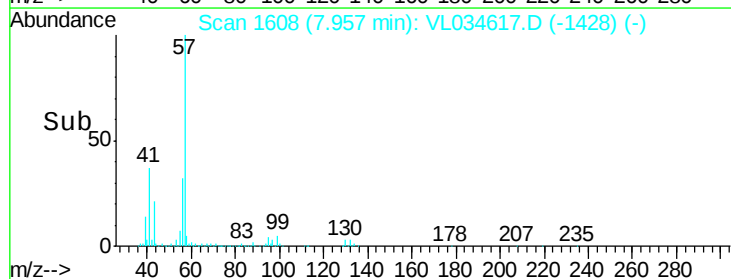
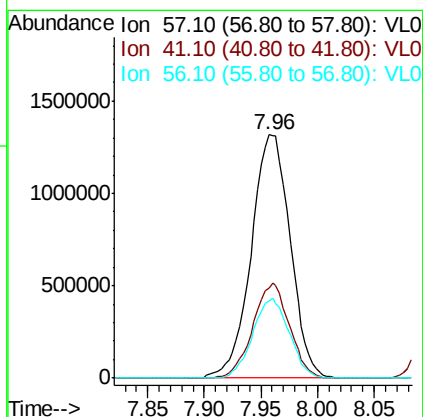
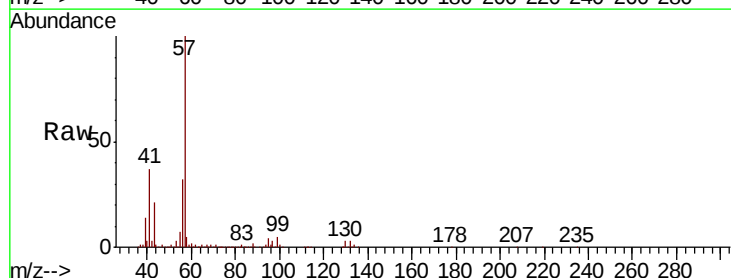
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

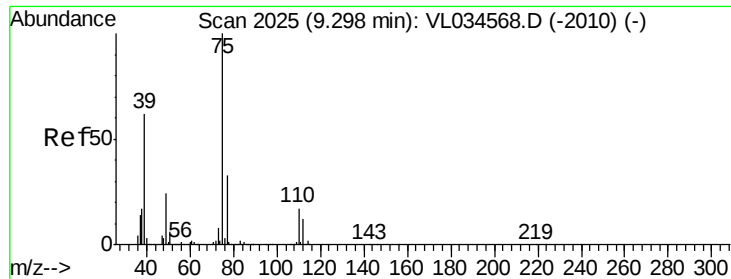
Tot Ion: 69 Resp: 740600
Ion Ratio Lower Upper
69 100
41 153.7 123.9 185.9
100 28.0 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.497 ppbv
RT: 7.96 min Scan# 1608
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 57 Resp: 3151136
Ion Ratio Lower Upper
57 100
41 36.9 28.9 43.3
56 31.0 25.5 38.3

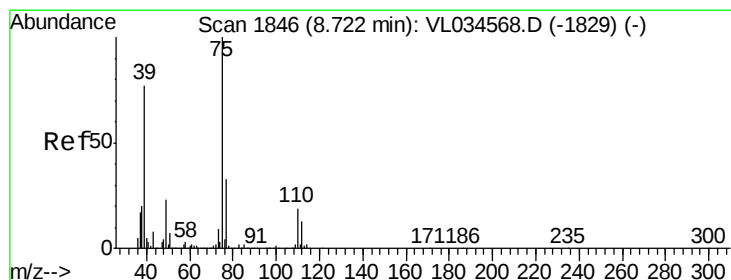
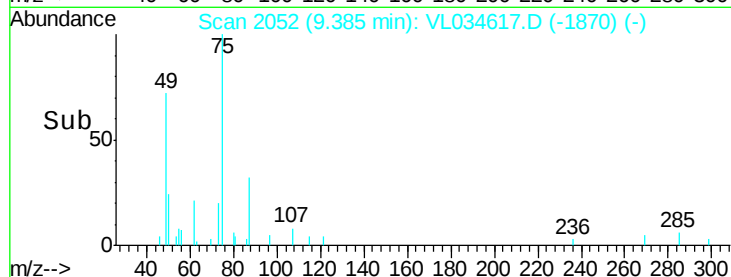
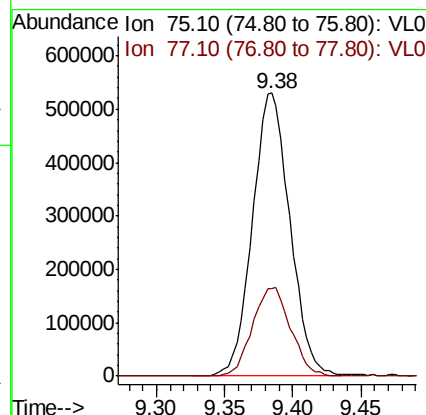
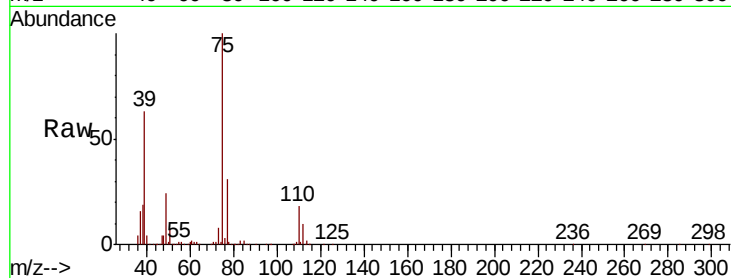




#45
 t-1,3-Dichloropropene
 Concen: 10.485 ppbv
 RT: 9.38 min Scan# 2052
 Delta R.T. 0.09 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

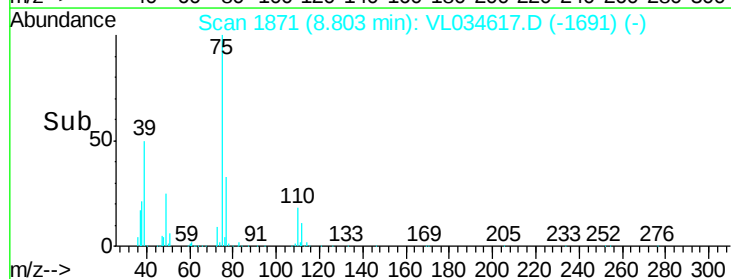
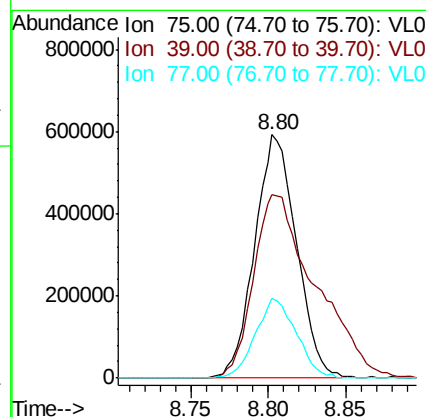
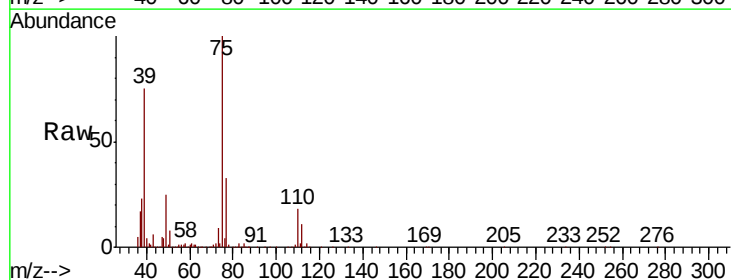
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

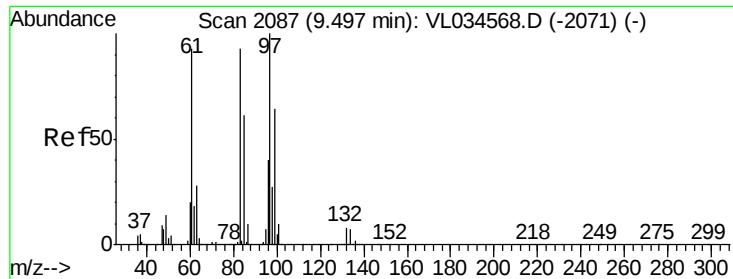
Tot Ion: 75 Resp: 1009875
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.7 40.1



#46
 cis-1,3-Dichloropropene
 Concen: 10.167 ppbv
 RT: 8.80 min Scan# 1871
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 75 Resp: 1113020
 Ion Ratio Lower Upper
 75 100
 39 75.3 61.9 92.9
 77 32.9 26.1 39.1

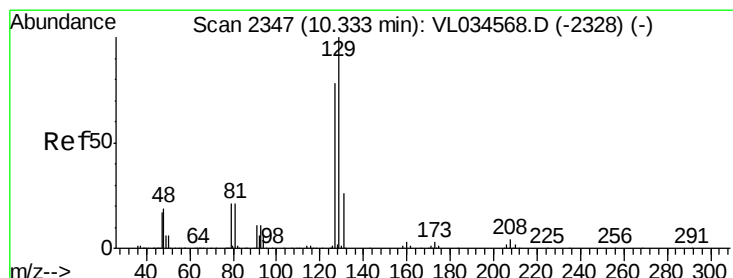
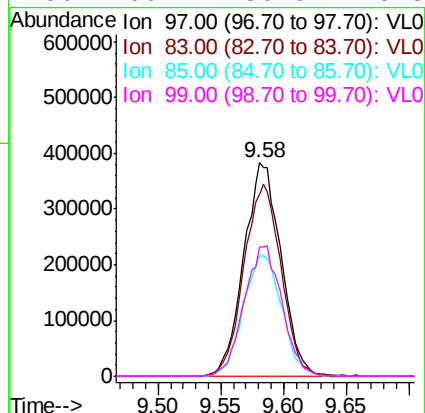
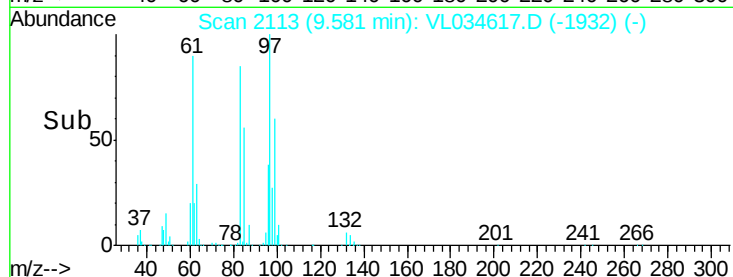
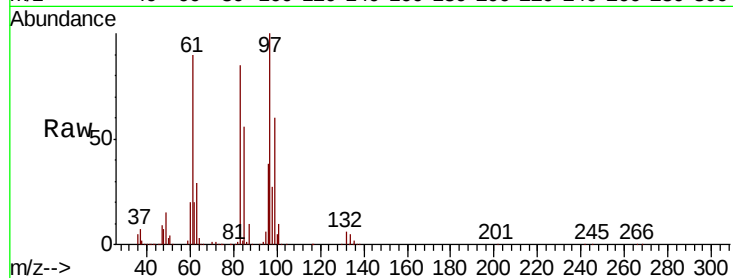




#47
 1,1,2-Trichloroethane
 Concen: 9.618 ppbv
 RT: 9.58 min Scan# 2113
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

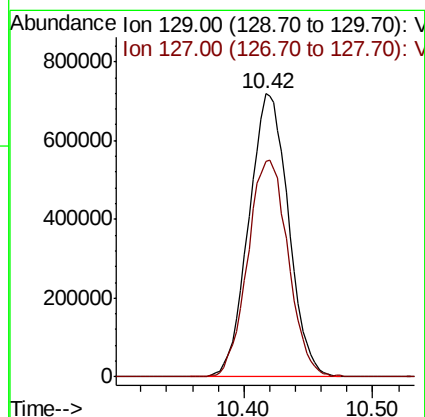
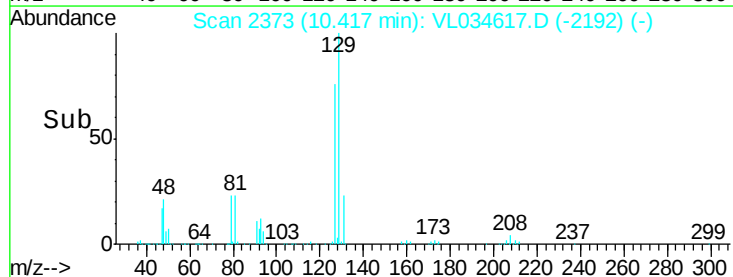
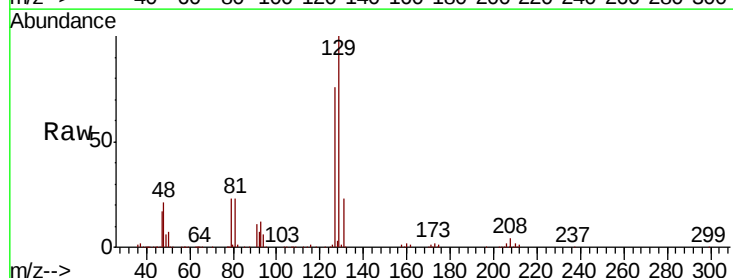
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

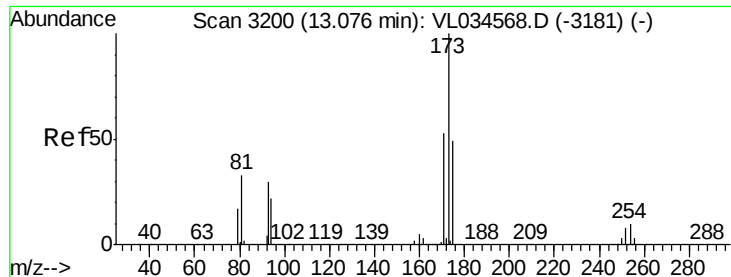
Tot Ion: 97 Resp: 789756
 Ion Ratio Lower Upper
 97 100
 83 85.0 74.4 111.6
 85 56.4 49.2 73.8
 99 60.4 50.9 76.3



#48
 Dibromochloromethane
 Concen: 10.213 ppbv
 RT: 10.42 min Scan# 2373
 Delta R.T. 0.08 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 129 Resp: 1536646
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.1 117.2





#49

Bromoform

Concen: 10.437 ppbv

RT: 13.17 min Scan# 3229

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

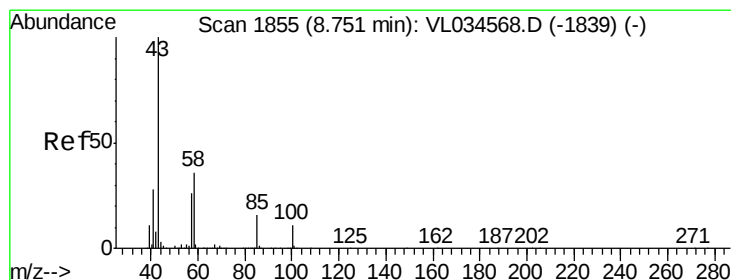
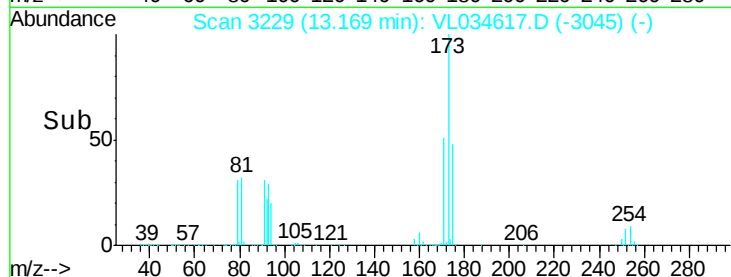
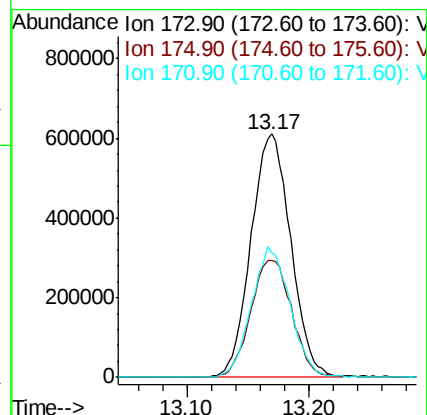
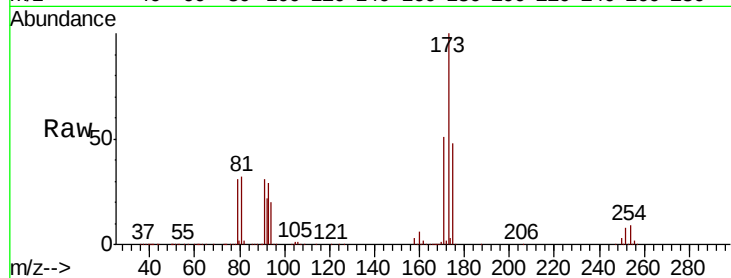
Tot Ion:173 Resp: 1378743

Ion Ratio Lower Upper

173 100

175 50.2 39.7 59.5

171 52.2 41.6 62.4



#50

4-Methyl-2-Pentanone

Concen: 9.606 ppbv

RT: 8.84 min Scan# 1882

Delta R.T. 0.09 min

Lab File: VL034617.D

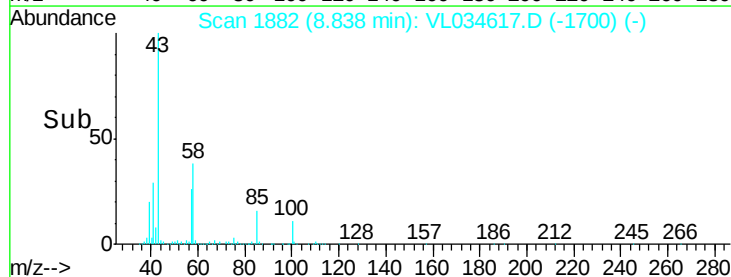
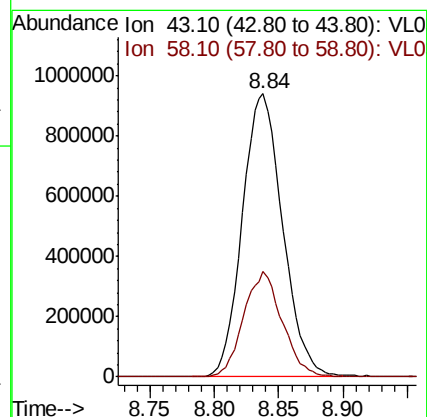
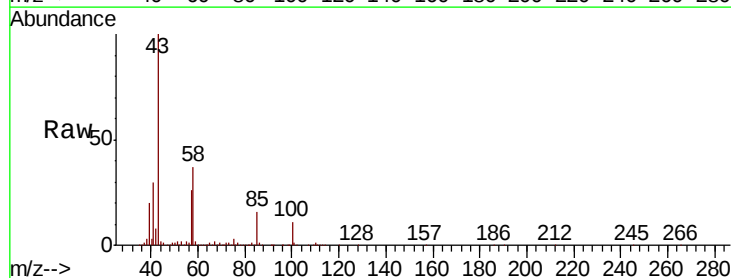
Acq: 7 Feb 2020 11:41

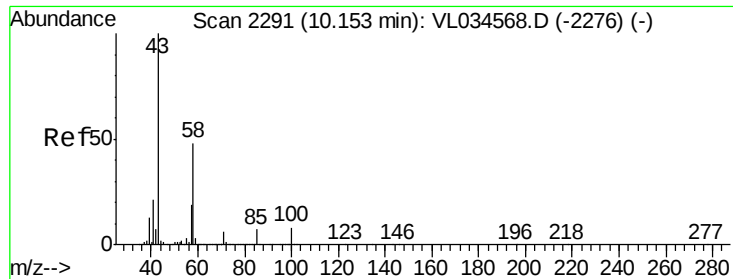
Tgt Ion: 43 Resp: 2045500

Ion Ratio Lower Upper

43 100

58 35.7 28.6 43.0

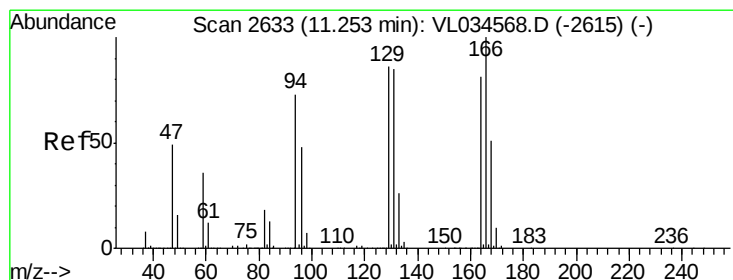
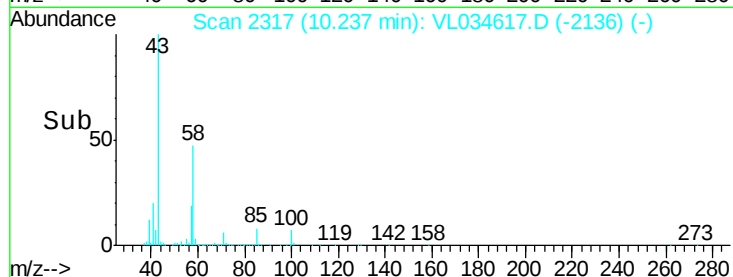
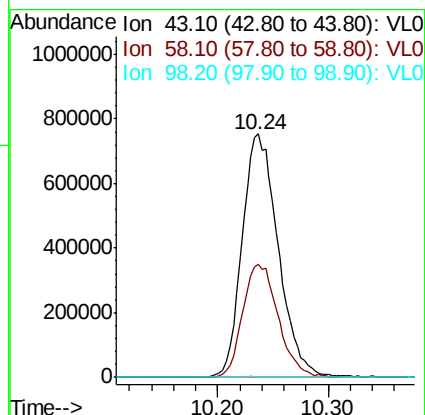
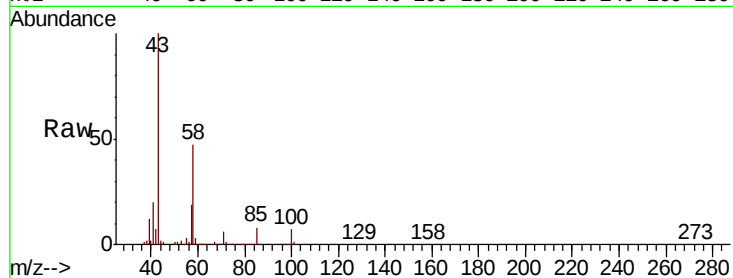




#51
2-Hexanone
Concen: 10.142 ppbv
RT: 10.24 min Scan# 2317
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

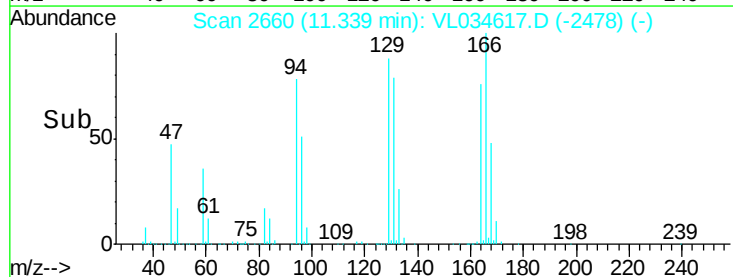
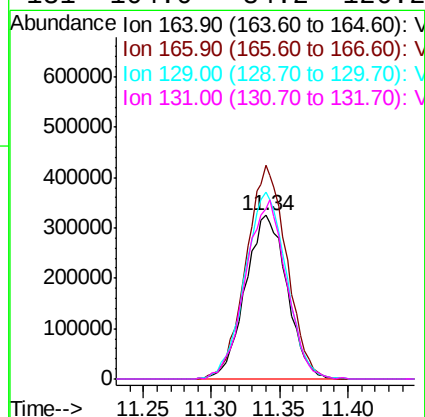
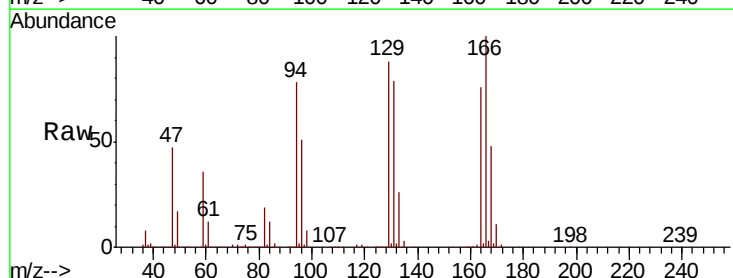
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

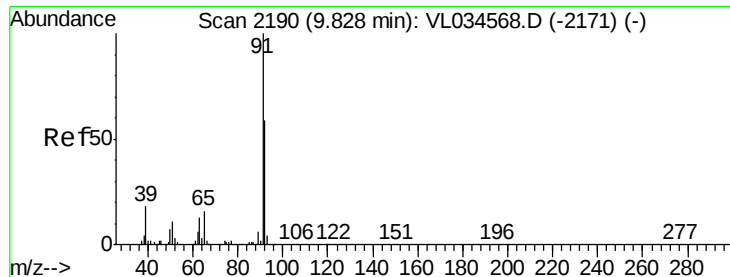
Tot Ion: 43 Resp: 1700093
Ion Ratio Lower Upper
43 100
58 46.0 37.9 56.9
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.352 ppbv
RT: 11.34 min Scan# 2660
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion: 164 Resp: 687019
Ion Ratio Lower Upper
164 100
166 130.7 99.0 148.4
129 114.6 85.3 127.9
131 104.0 84.2 126.2





#53

Toluene

Concen: 10.291 ppbv

RT: 9.92 min Scan# 2217

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

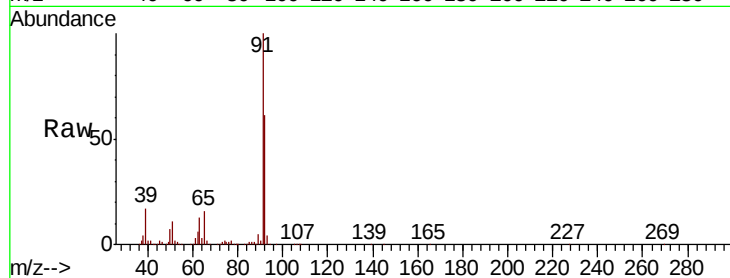
VSTDCCC010EC

Tot Ion: 91 Resp: 2067500

Ion Ratio Lower Upper

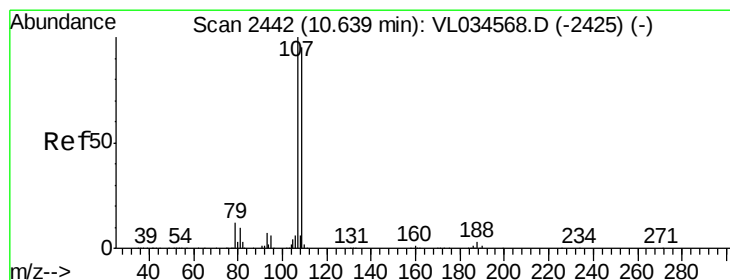
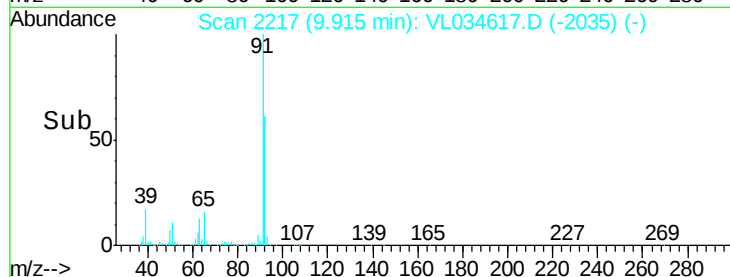
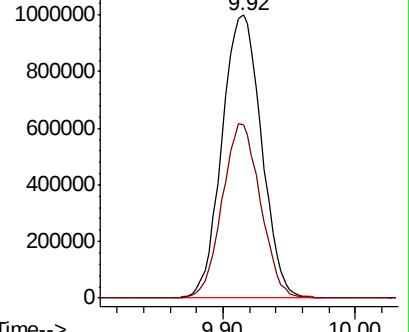
91 100

92 59.8 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.255 ppbv

RT: 10.73 min Scan# 2469

Delta R.T. 0.09 min

Lab File: VL034617.D

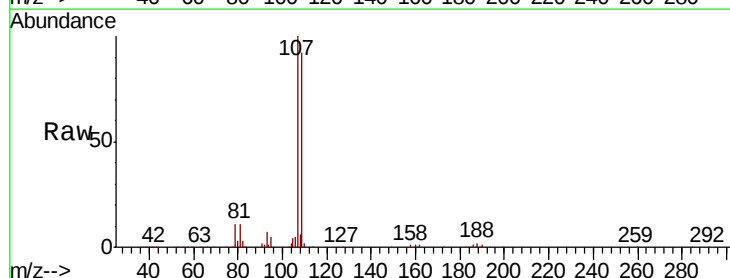
Acq: 7 Feb 2020 11:41

Tgt Ion: 107 Resp: 1261864

Ion Ratio Lower Upper

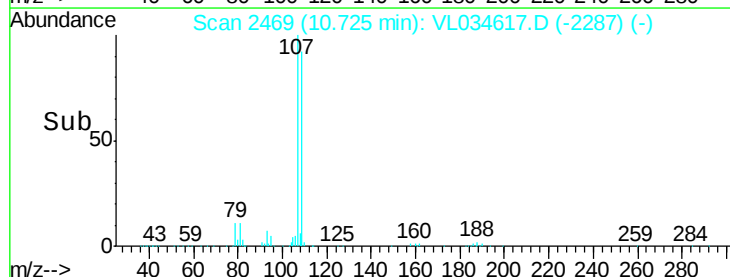
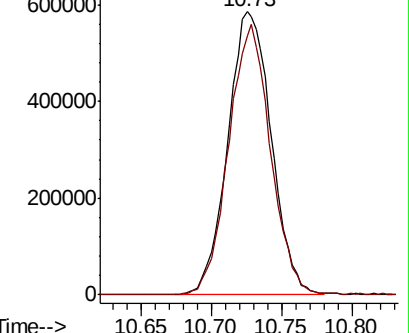
107 100

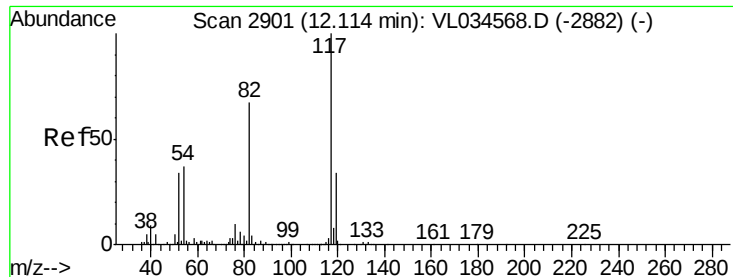
109 91.5 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

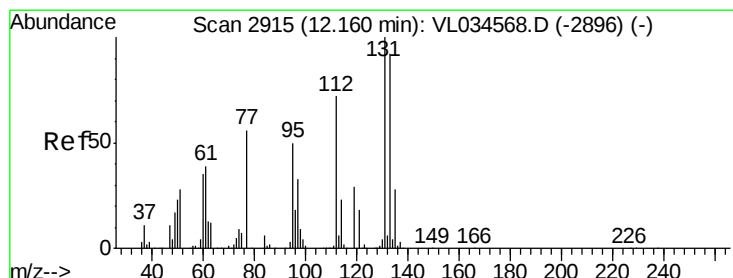
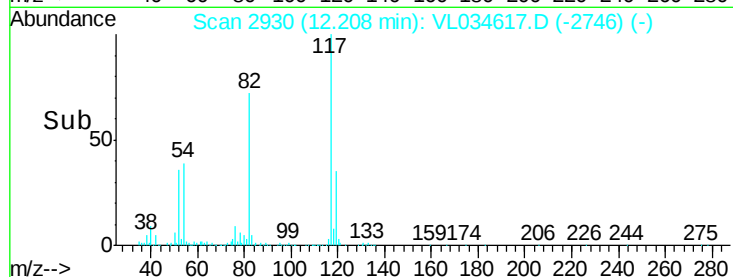
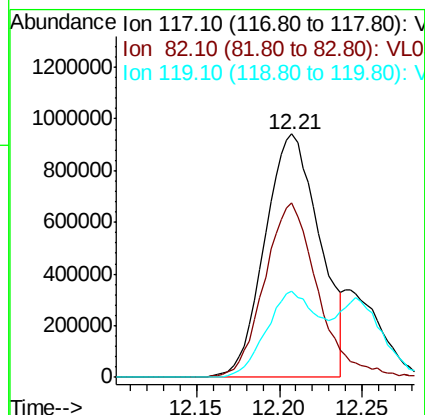
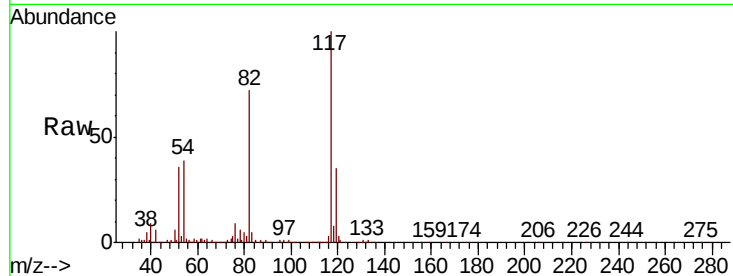




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2930
Delta R.T. 0.09 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

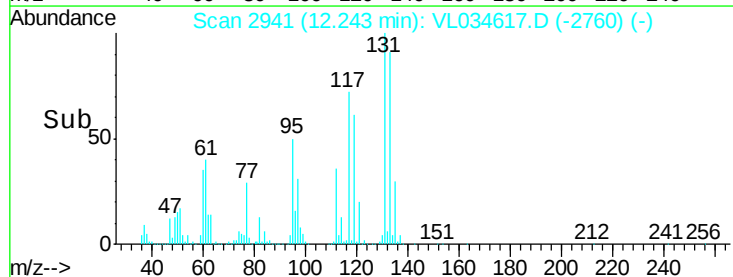
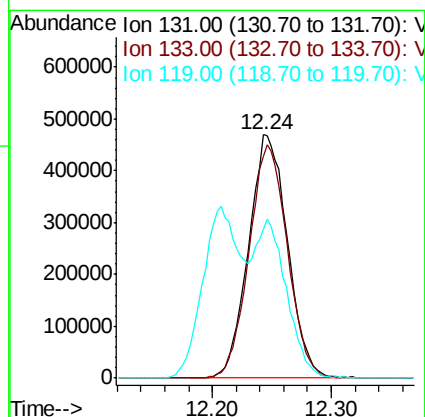
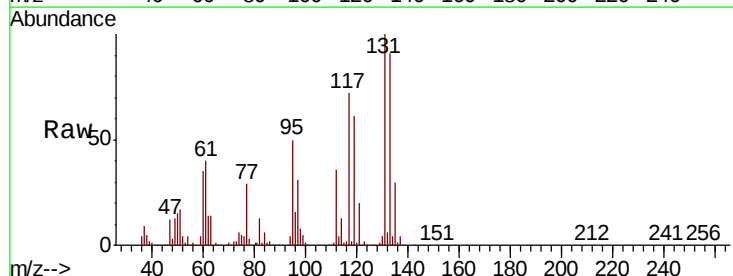
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

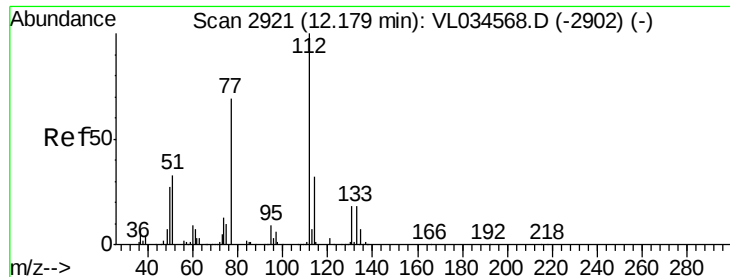
Tot Ion:117 Resp: 2161005
Ion Ratio Lower Upper
117 100
82 70.4 54.2 81.4
119 34.2 26.1 39.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.940 ppbv
RT: 12.24 min Scan# 2941
Delta R.T. 0.08 min
Lab File: VL034617.D
Acq: 7 Feb 2020 11:41

Tgt Ion:131 Resp: 1060463
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.8
119 54.9 47.0 70.6





#57

Chlorobenzene

Concen: 9.421 ppbv

RT: 12.27 min Scan# 2948

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

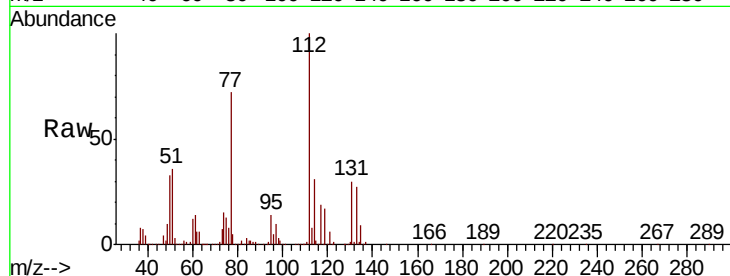
Tot Ion:112 Resp: 1675249

Ion Ratio Lower Upper

112 100

77 71.9 56.5 84.7

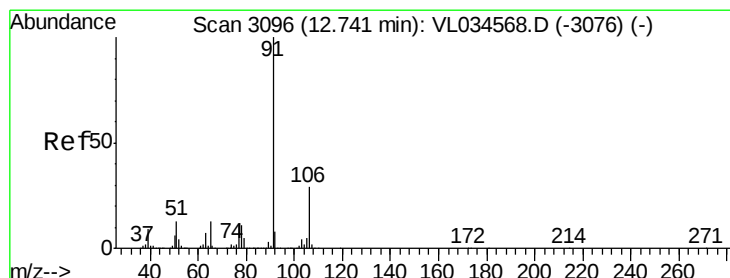
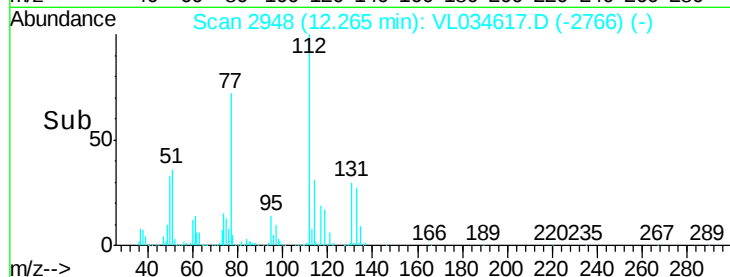
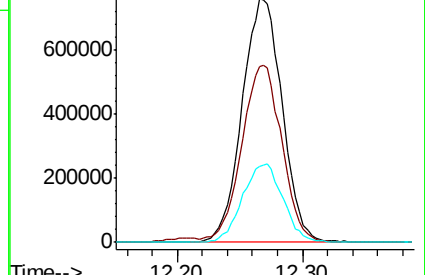
114 31.2 29.2 35.6



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: 10.052 ppbv

RT: 12.83 min Scan# 3124

Delta R.T. 0.09 min

Lab File: VL034617.D

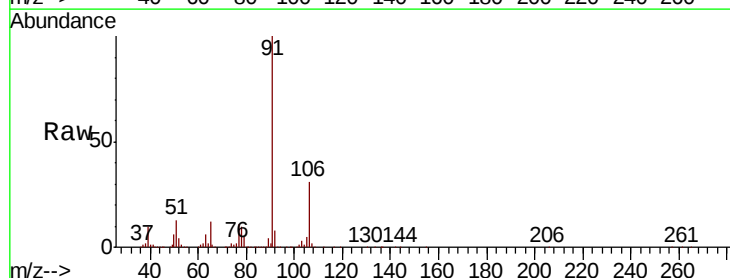
Acq: 7 Feb 2020 11:41

Tgt Ion: 91 Resp: 2906643

Ion Ratio Lower Upper

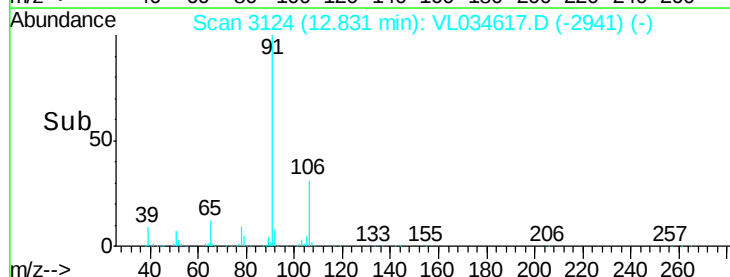
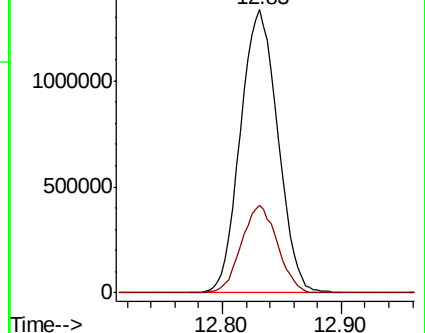
91 100

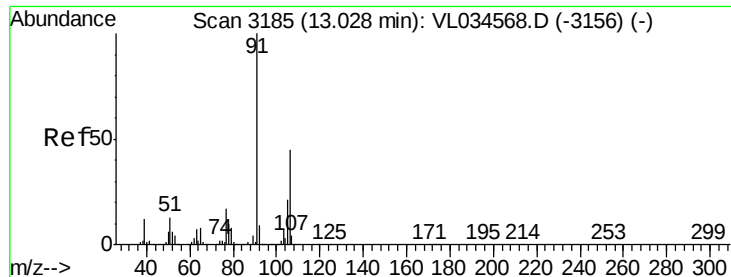
106 30.7 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 19.214 ppbv m

RT: 13.12 min Scan# 3213

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

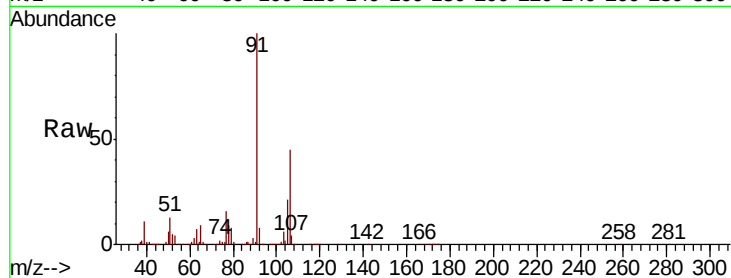
VSTDCCC010EC

Tot Ion: 91 Resp: 4911558

Ion Ratio Lower Upper

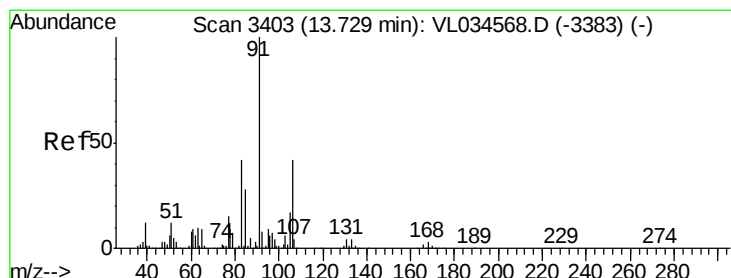
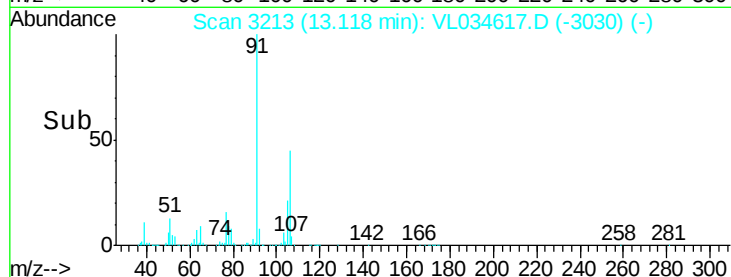
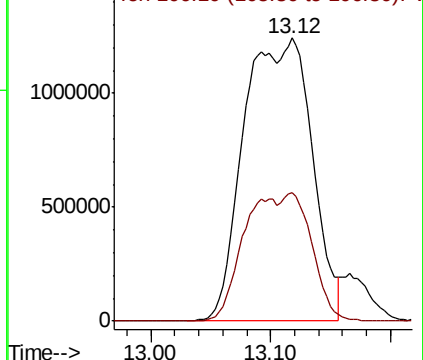
91 100

106 44.5 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 10.038 ppbv

RT: 13.82 min Scan# 3431

Delta R.T. 0.09 min

Lab File: VL034617.D

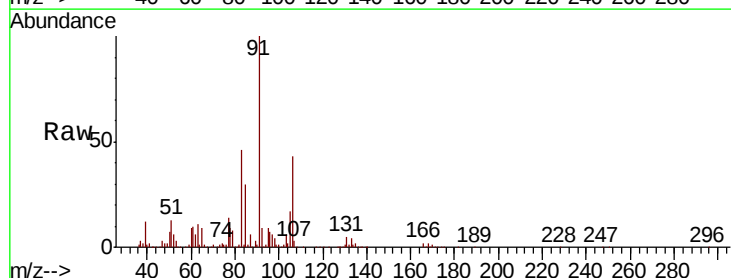
Acq: 7 Feb 2020 11:41

Tgt Ion: 91 Resp: 2577046

Ion Ratio Lower Upper

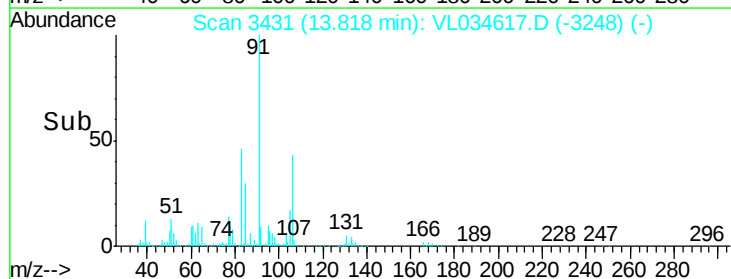
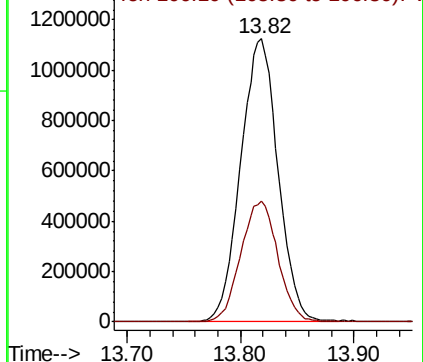
91 100

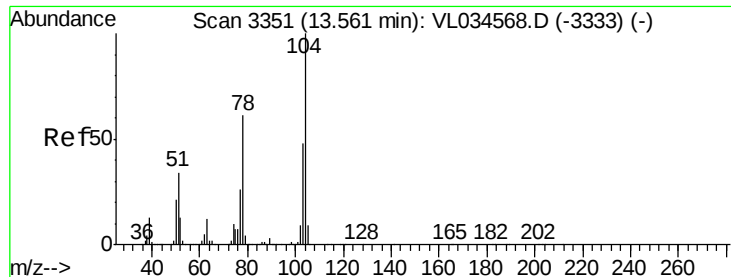
106 42.6 21.6 65.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 10.246 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

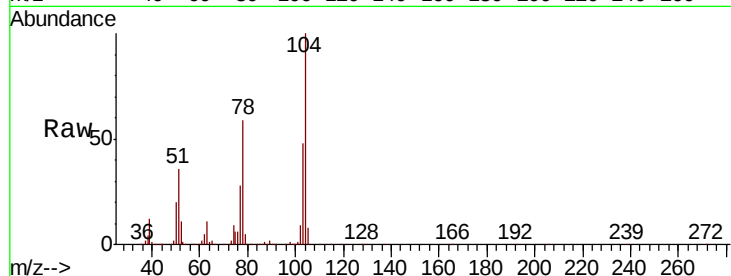
Tot Ion:104 Resp: 1753898

Ion Ratio Lower Upper

104 100

78 60.4 47.0 70.6

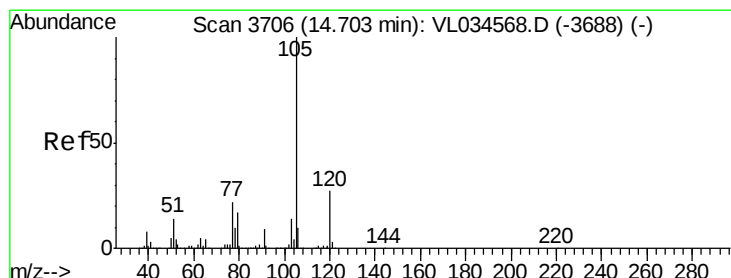
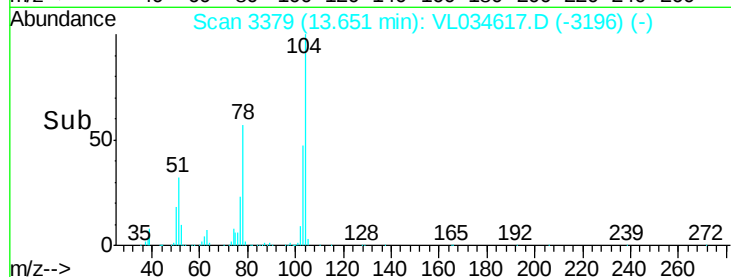
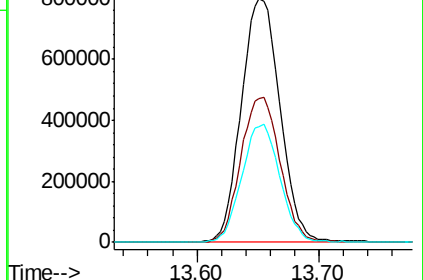
103 48.1 38.5 57.7



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: 9.939 ppbv

RT: 14.80 min Scan# 3735

Delta R.T. 0.09 min

Lab File: VL034617.D

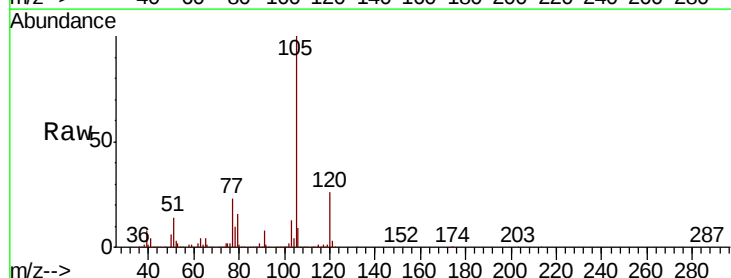
Acq: 7 Feb 2020 11:41

Tgt Ion:105 Resp: 3306357

Ion Ratio Lower Upper

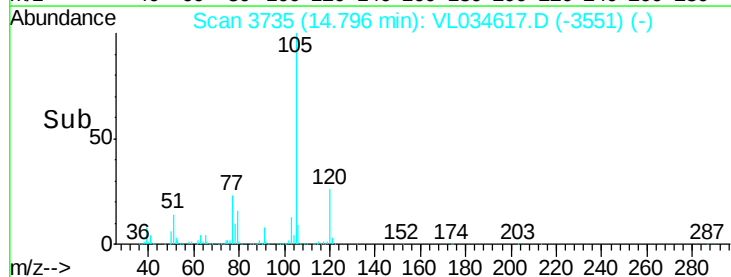
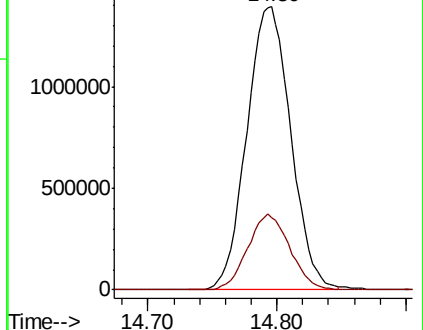
105 100

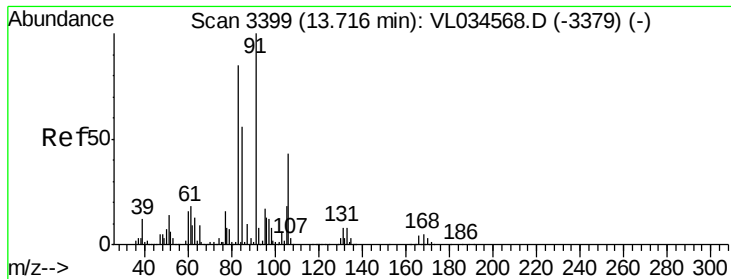
120 25.8 20.7 31.1



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: 9.309 ppbv

RT: 13.80 min Scan# 3426

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

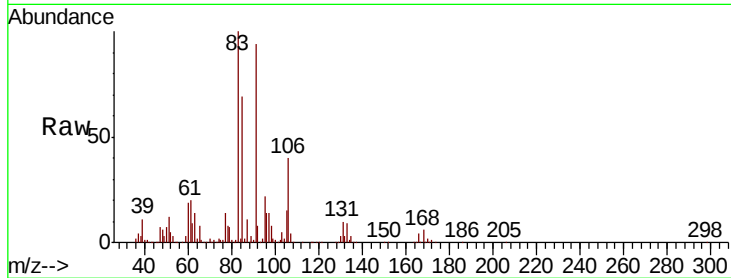
Tot Ion: 83 Resp: 1848291

Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.6

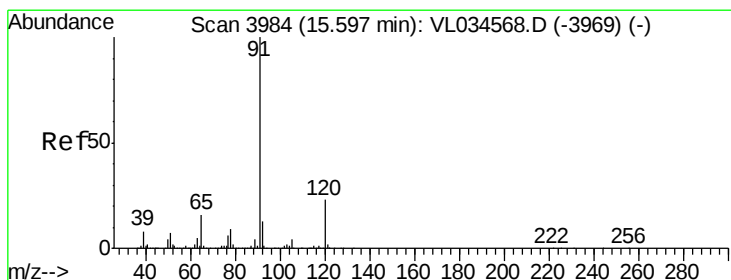
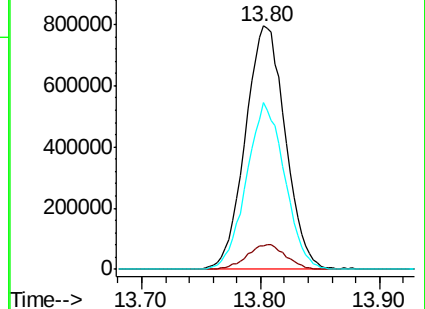
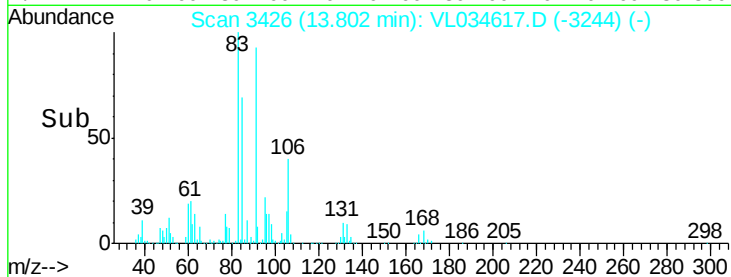
85 65.6 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.351 ppbv

RT: 15.69 min Scan# 4013

Delta R.T. 0.09 min

Lab File: VL034617.D

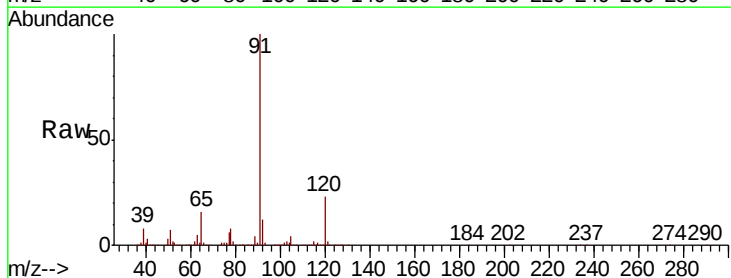
Acq: 7 Feb 2020 11:41

Tgt Ion:120 Resp: 885891

Ion Ratio Lower Upper

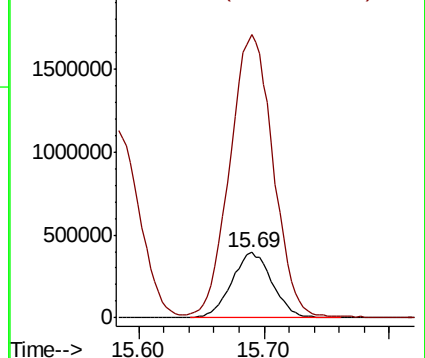
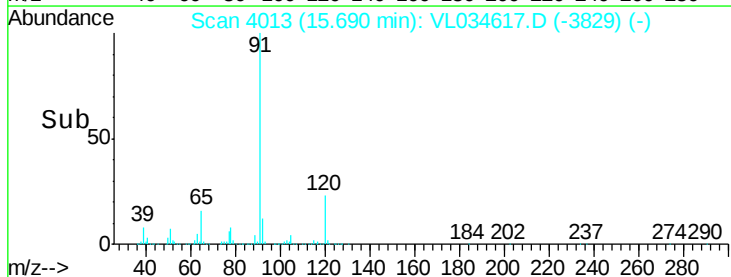
120 100

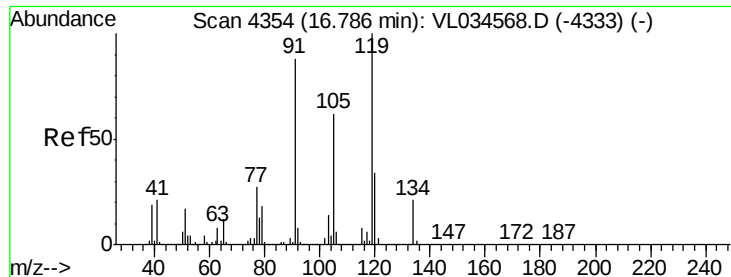
91 464.0 365.3 547.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.375 ppbv

RT: 16.88 min Scan# 4382

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

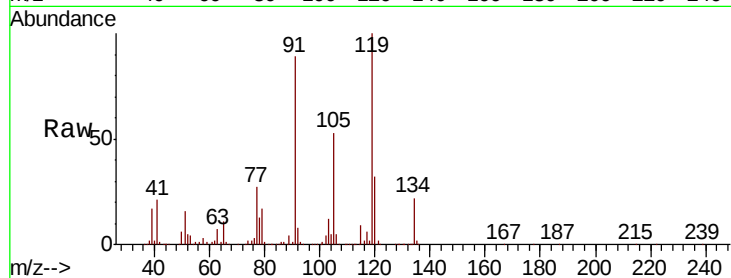
Tot Ion:119 Resp: 3126917

Ion	Ratio	Lower	Upper
119	100		
91	91.1	72.2	108.4
134	20.0	15.9	23.9

119 100

91 91.1 72.2 108.4

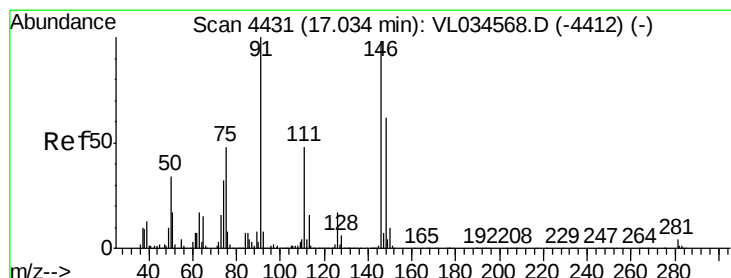
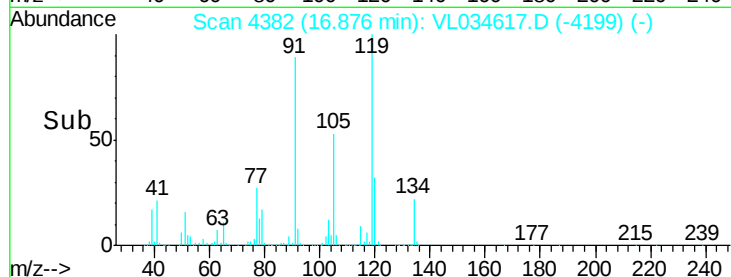
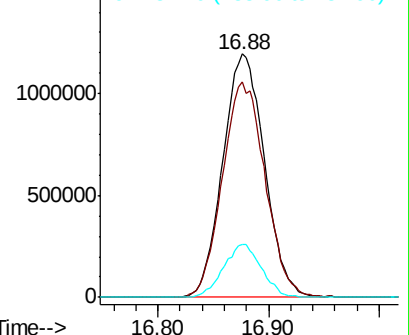
134 20.0 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.575 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

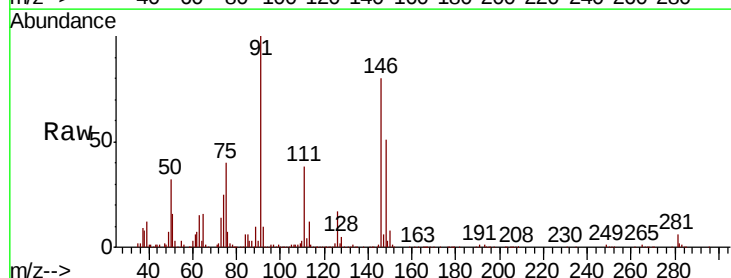
Tgt Ion: 91 Resp: 1462867

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.4	20.0
128	5.2	4.3	6.5

91 100

126 16.6 13.4 20.0

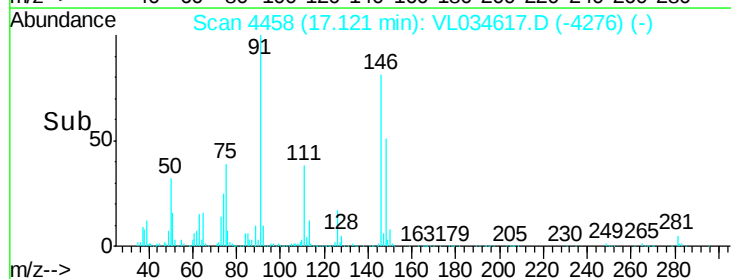
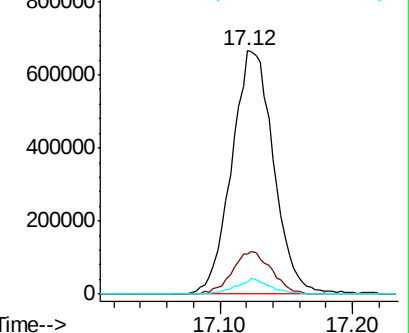
128 5.2 4.3 6.5

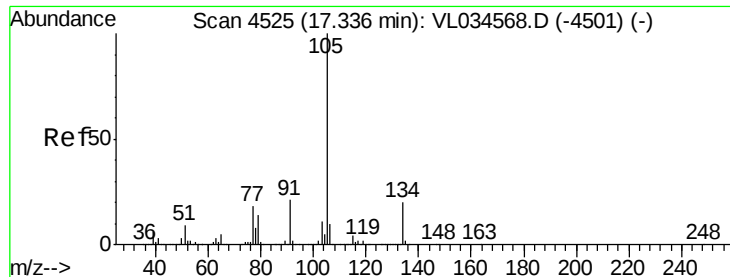


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.314 ppbv

RT: 17.43 min Scan# 4553

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

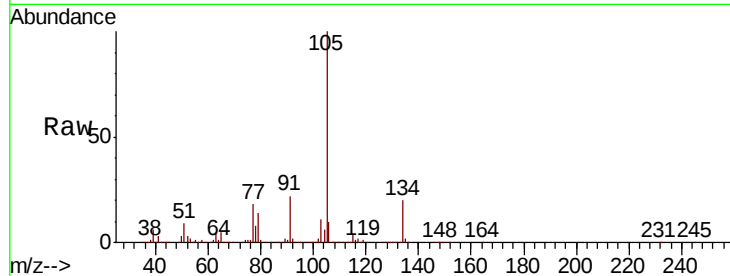
VSTDCCC010EC

Tot Ion:105 Resp: 4272257

Ion Ratio Lower Upper

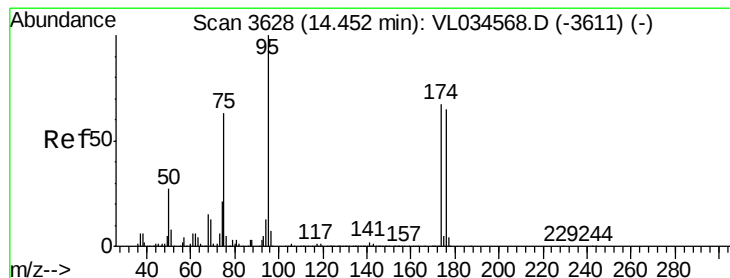
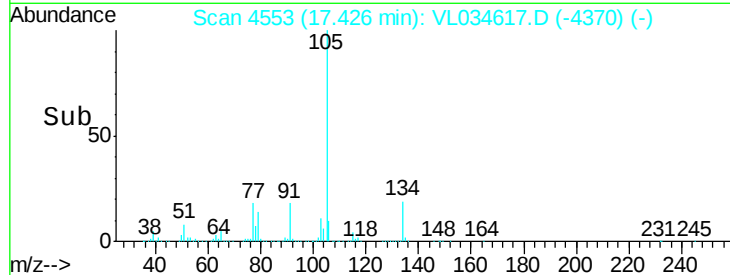
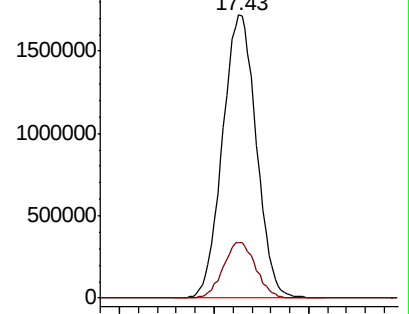
105 100

134 19.0 15.5 23.3



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: 10.097 ppbv

RT: 14.54 min Scan# 3656

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

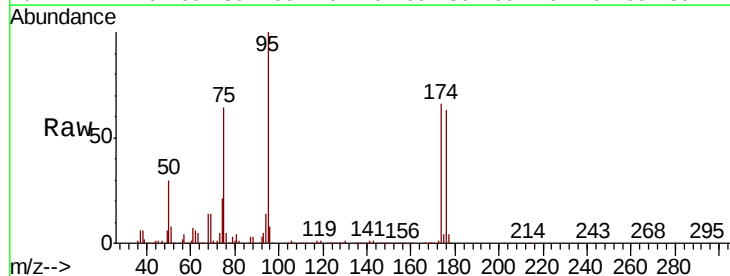
Tgt Ion: 95 Resp: 1844030

Ion Ratio Lower Upper

95 100

174 65.0 52.3 78.5

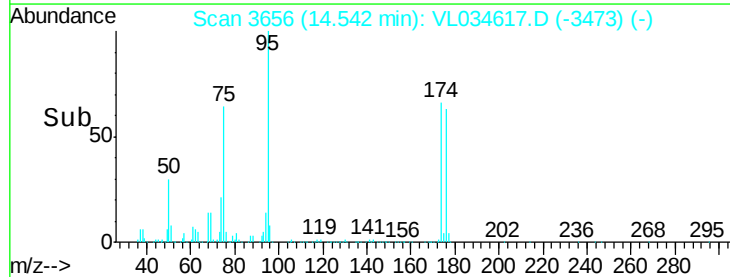
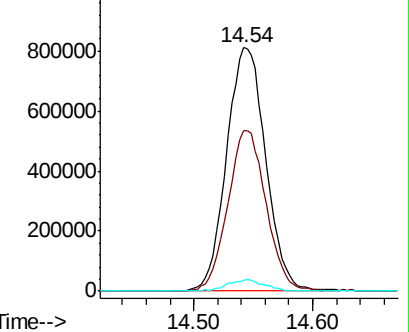
175 4.6 3.8 5.6

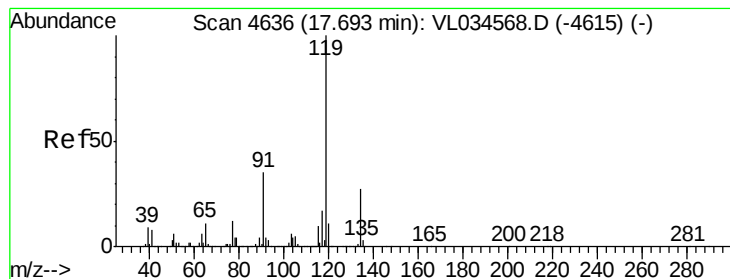


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.632 ppbv

RT: 17.79 min Scan# 4665

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

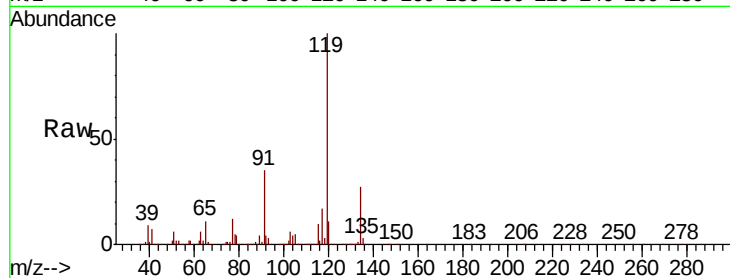
Tot Ion:119 Resp: 3575833

Ion Ratio Lower Upper

119 100

134 25.8 20.7 31.1

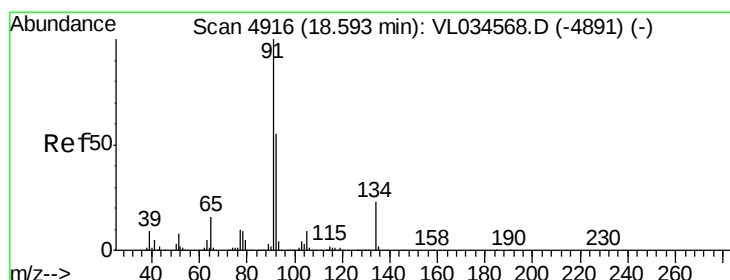
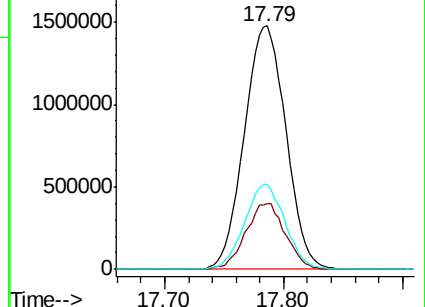
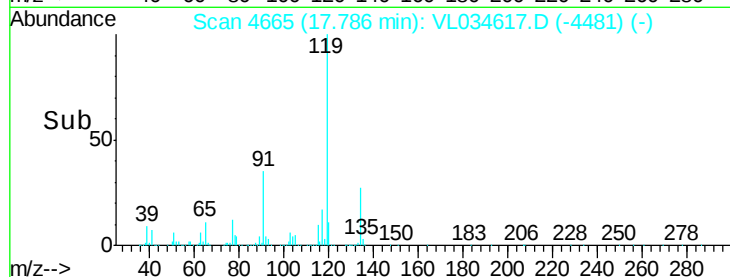
91 33.9 26.9 40.3



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.453 ppbv

RT: 18.68 min Scan# 4944

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

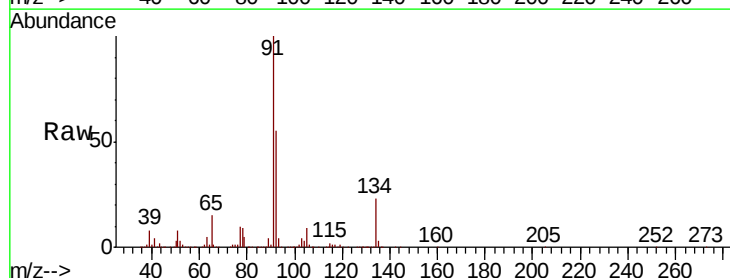
Tgt Ion: 91 Resp: 3731714

Ion Ratio Lower Upper

91 100

92 54.4 43.6 65.4

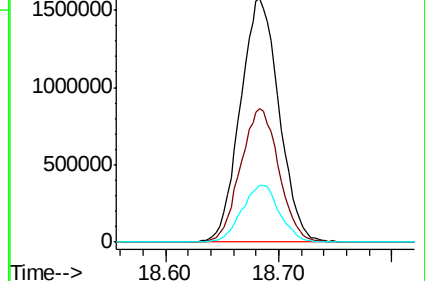
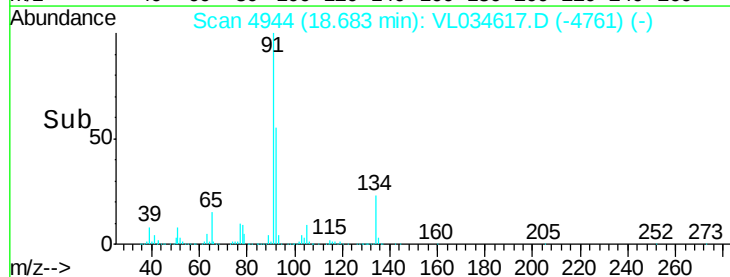
134 22.7 18.2 27.4

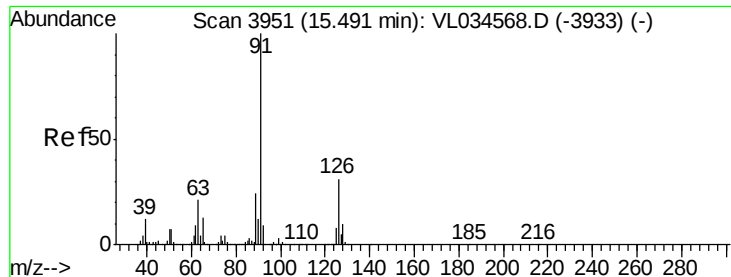


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

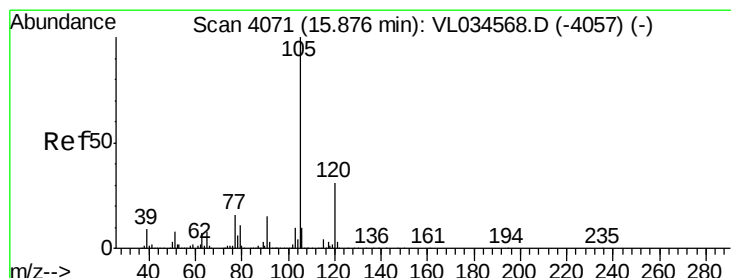
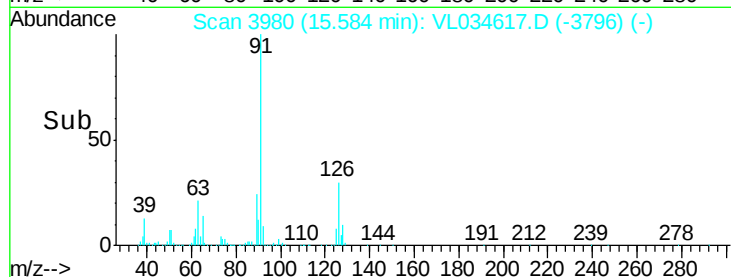
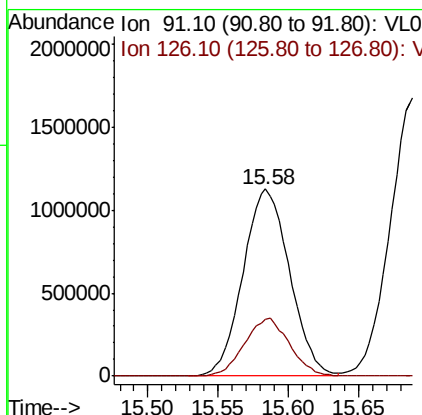
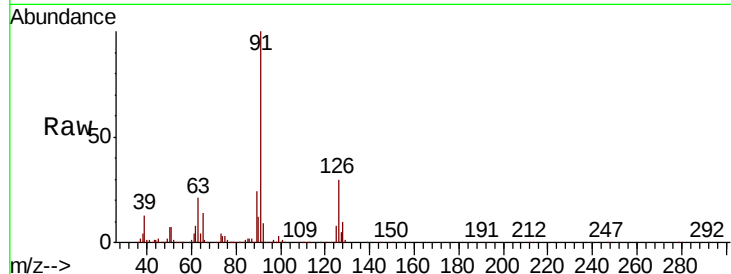




#71
 2-Chlorotoluene
 Concen: 10.293 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. 0.09 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

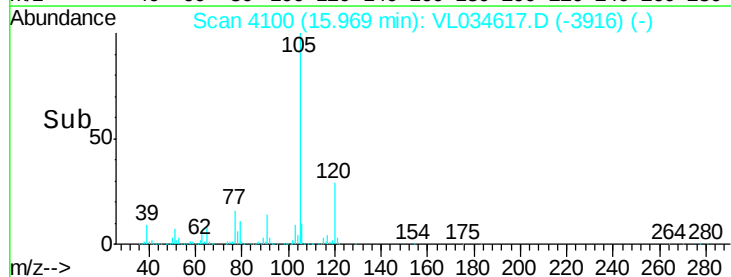
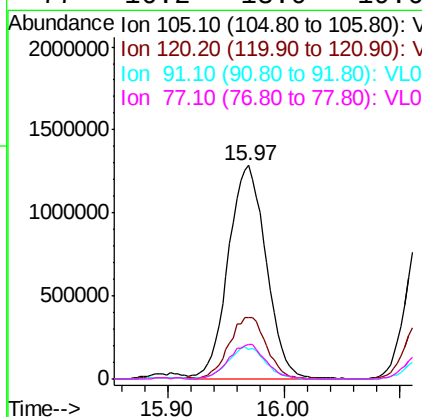
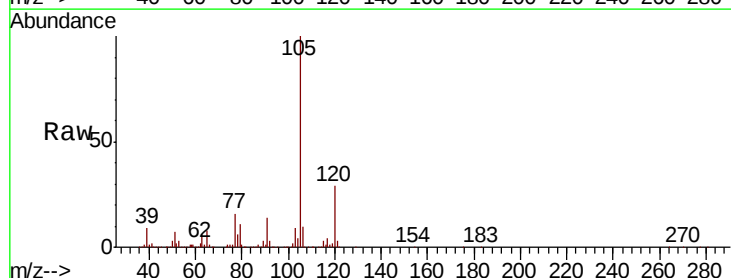
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

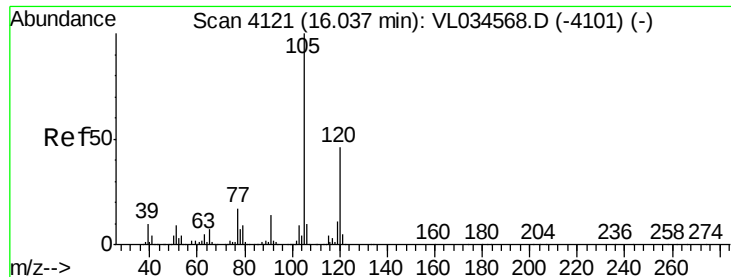
Tot Ion: 91 Resp: 2599123
 Ion Ratio Lower Upper
 91 100
 126 30.1 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 10.262 ppbv
 RT: 15.97 min Scan# 4100
 Delta R.T. 0.09 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion: 105 Resp: 2893877
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.8 35.6
 91 14.8 11.8 17.8
 77 16.2 13.0 19.6





#73

1,3,5-Trimethylbenzene

Concen: 10.201 ppbv

RT: 16.13 min Scan# 4149

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

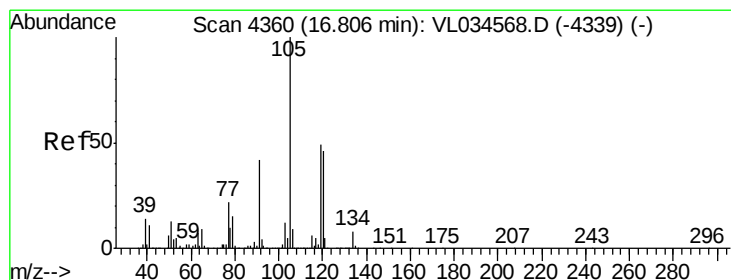
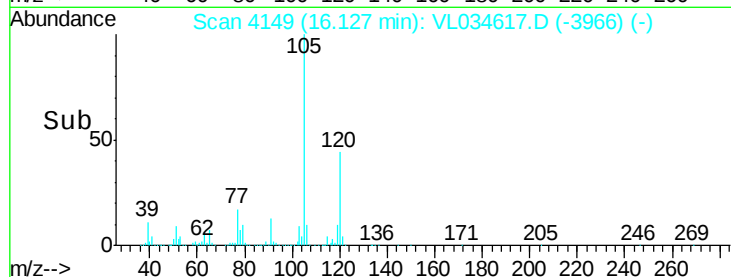
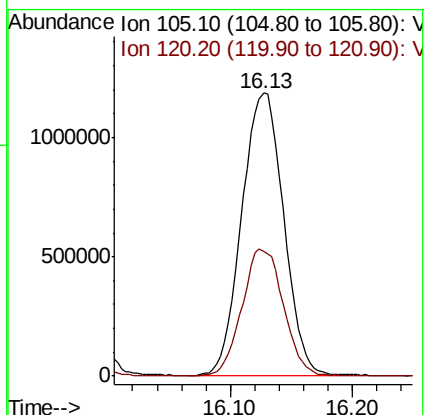
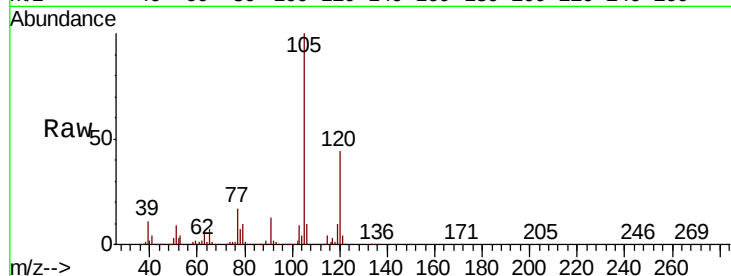
VSTDCCC010EC

Tot Ion:105 Resp: 2810876

Ion Ratio Lower Upper

105 100

120 44.1 37.0 55.6



#74

1,2,4-Trimethylbenzene

Concen: 9.875 ppbv

RT: 16.90 min Scan# 4388

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Tgt Ion:105 Resp: 3012330

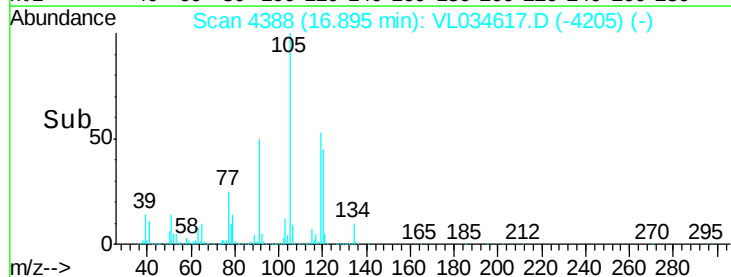
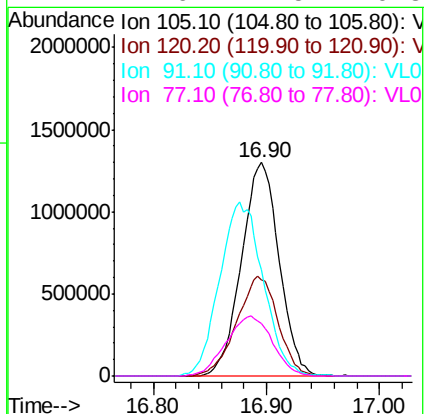
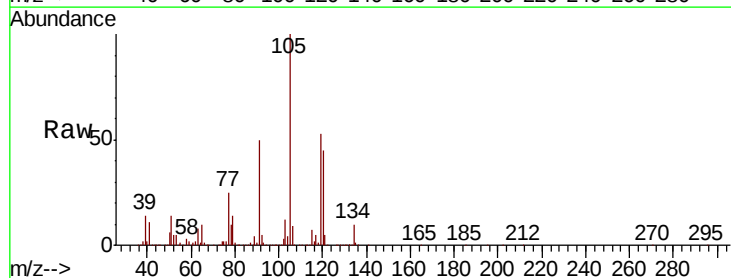
Ion Ratio Lower Upper

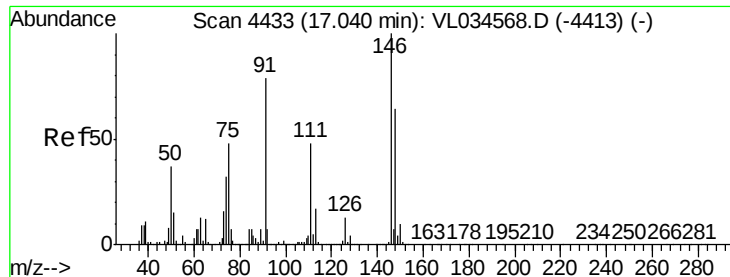
105 100

120 44.9 37.1 55.7

91 49.3 34.3 51.5

77 24.6 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 9.467 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

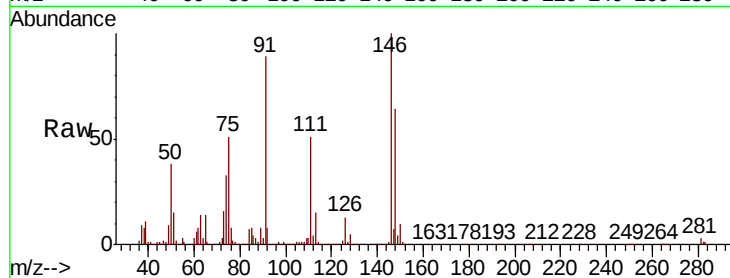
Tot Ion:146 Resp: 1662797

Ion Ratio Lower Upper

146 100

111 50.7 24.7 74.1

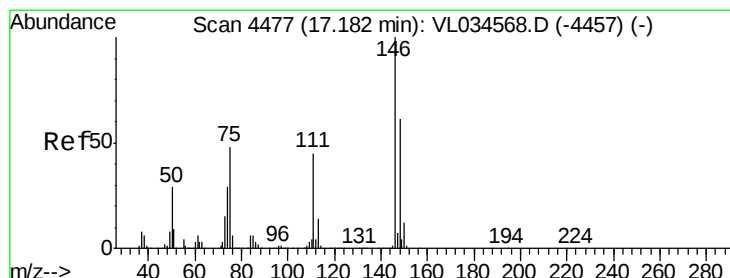
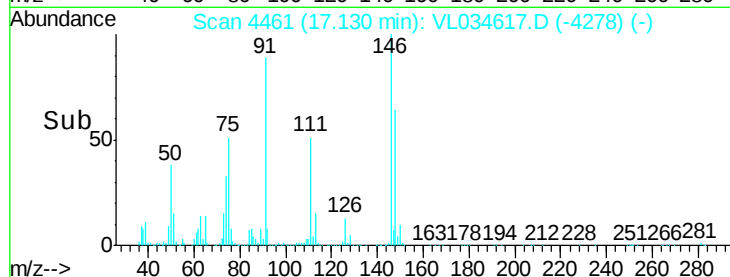
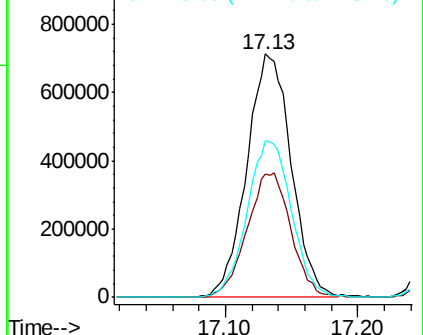
148 64.7 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.442 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.09 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

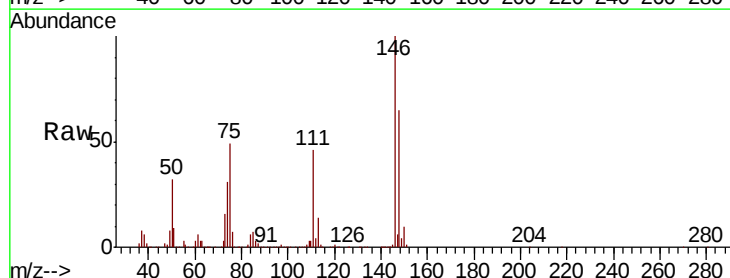
Tgt Ion:146 Resp: 1634557

Ion Ratio Lower Upper

146 100

111 48.7 24.1 72.2

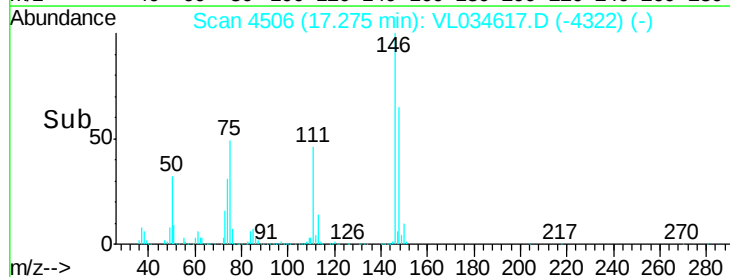
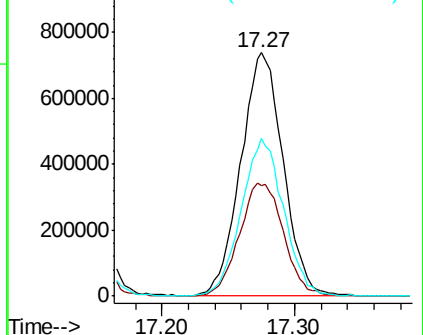
148 65.0 32.6 98.0

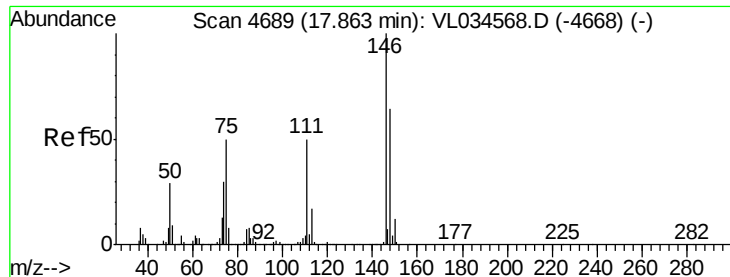


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

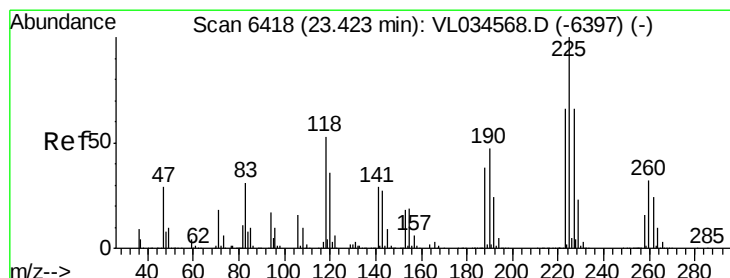
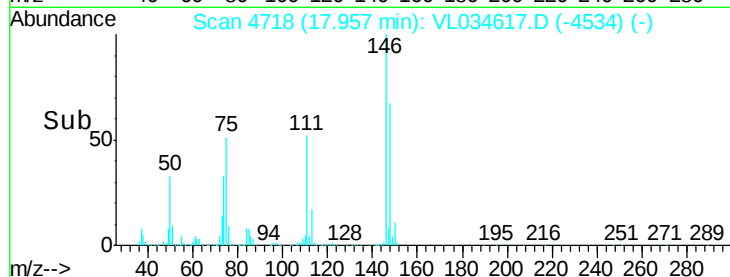
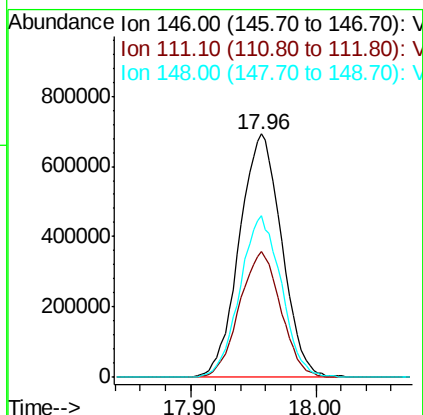
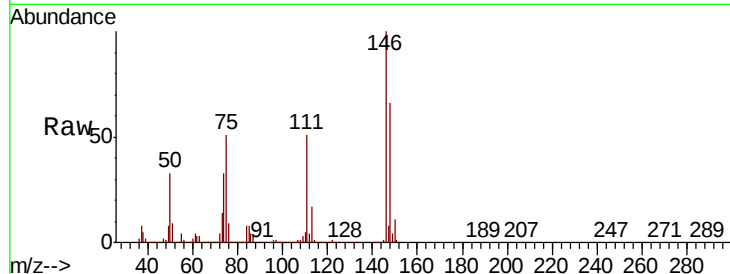




#77
 1,2-Dichlorobenzene
 Concen: 9.603 ppbv
 RT: 17.96 min Scan# 4718
 Delta R.T. 0.09 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

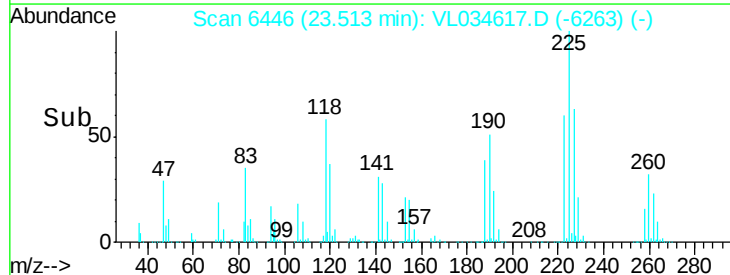
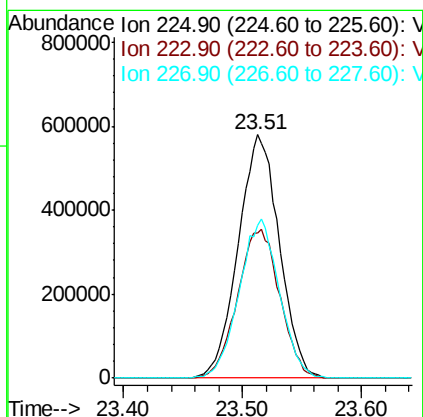
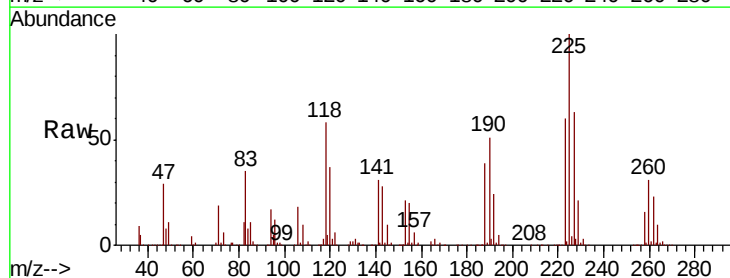
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

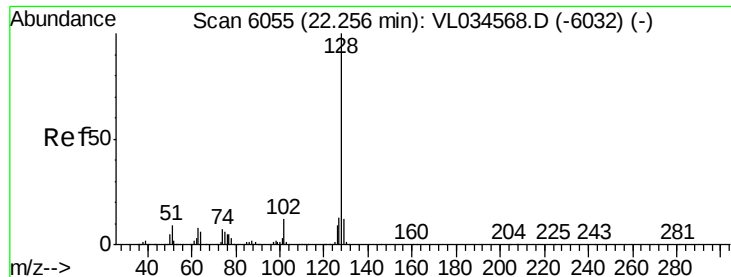
Tot Ion:146 Resp: 1620379
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.1 75.3
 148 65.1 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.573 ppbv
 RT: 23.51 min Scan# 6446
 Delta R.T. 0.09 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Tgt Ion:225 Resp: 1383231
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.9 76.3
 227 64.1 51.6 77.4





#79

Naphthalene

Concen: 9.951 ppbv

RT: 22.37 min Scan# 6092

Delta R.T. 0.12 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

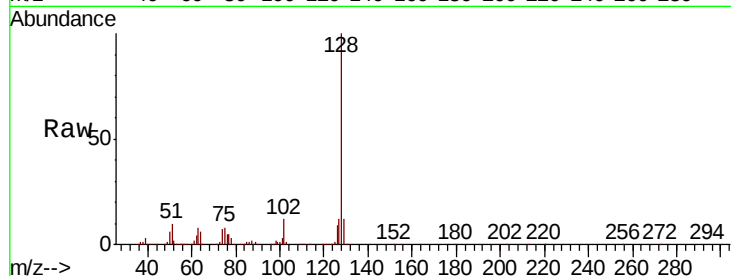
Tot Ion:128 Resp: 2389663

Ion Ratio Lower Upper

128 100

127 12.1 10.1 15.1

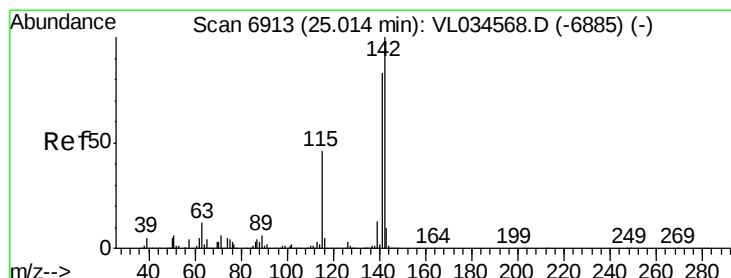
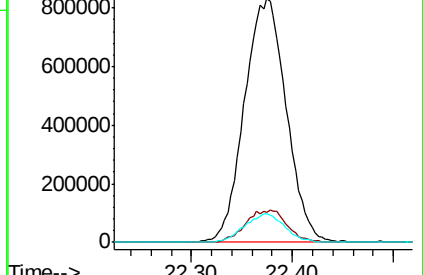
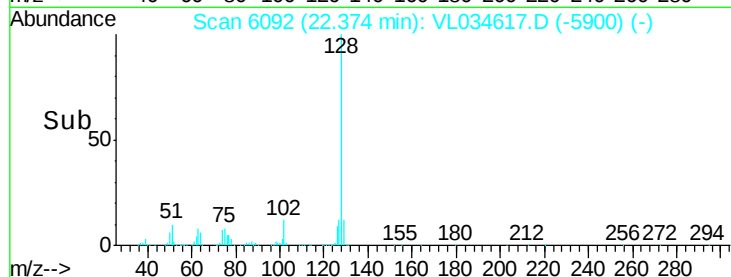
129 11.6 9.3 13.9



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: 6.814 ppbv

RT: 25.09 min Scan# 6937

Delta R.T. 0.08 min

Lab File: VL034617.D

Acq: 7 Feb 2020 11:41

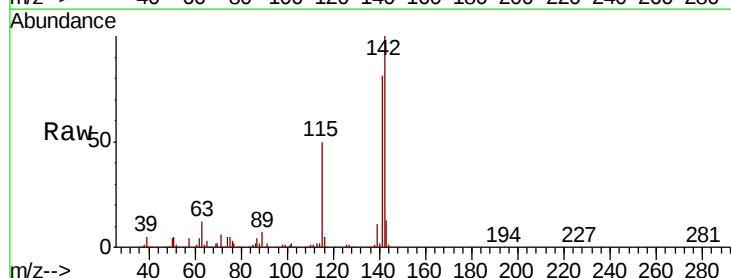
Tgt Ion:142 Resp: 629569

Ion Ratio Lower Upper

142 100

141 84.3 67.0 100.4

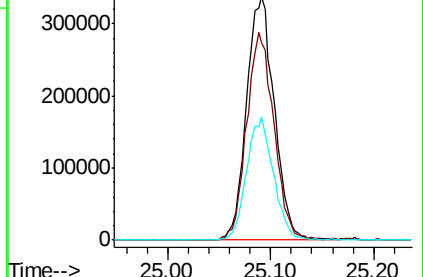
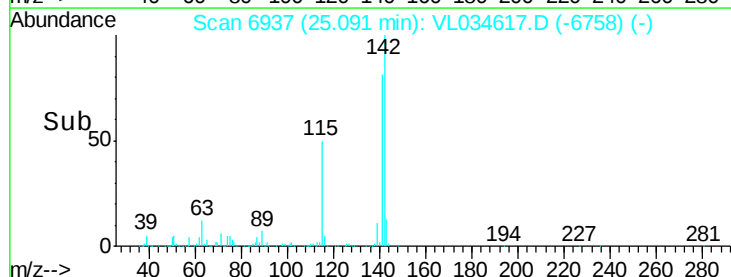
115 49.1 39.5 59.3

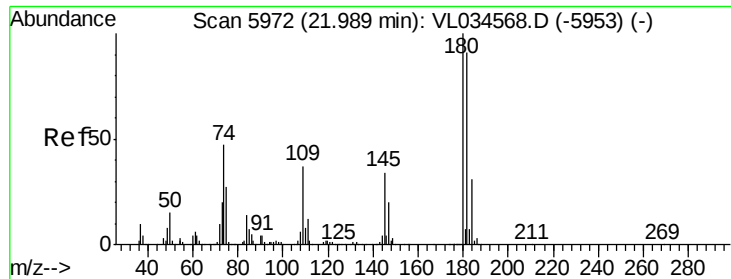


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.299 ppbv
 RT: 22.10 min Scan# 6006
 Delta R.T. 0.11 min
 Lab File: VL034617.D
 Acq: 7 Feb 2020 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1376763
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.8 116.6
 184 30.5 25.4 38.0

