

Data File : VL034756.D
Acq On : 29 Feb 2020 3:44
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Mar 02 04:40:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	938600	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2006794	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2617759	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1719506	8.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	1790839	12.095	ppbv	93
3) Chlorodifluoromethane	2.95	51	1154704	11.400	ppbv	99
4) Chloromethane	3.11	50	653746	11.530	ppbv	97
5) Vinyl Chloride	3.23	62	623838	11.215	ppbv	92
6) Bromomethane	3.45	94	371621	11.403	ppbv	99
7) Chloroethane	3.53	64	228651	11.072	ppbv	95
8) Dichlorotetrafluoroethane	3.16	85	1403196	10.714	ppbv	99
9) Propene	2.98	41	515042	12.164	ppbv	98
10) Heptane	8.14	43	1325013	12.158	ppbv	98
11) Trichlorofluoromethane	3.93	101	1463540	11.285	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1017457	11.130	ppbv	98
13) Ethanol	3.58	45	110328	8.248	ppbv	99
14) Bromoethene	3.72	108	451088	11.827	ppbv	98
15) Acetone	3.83	43	1226165	11.464	ppbv	99
16) 1,3-Butadiene	3.30	39	582401	11.763	ppbv	98
17) tert-Butyl alcohol	4.28	59	866771	10.576	ppbv	99
18) 1,1-Dichloroethene	4.27	96	462926	11.280	ppbv	97
19) Isopropyl Alcohol	3.95	45	619030	9.717	ppbv	100
20) Methylene Chloride	4.33	84	413414	10.393	ppbv	97
21) Allyl Chloride	4.40	41	848312	11.988	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	468214	11.700	ppbv	99
23) Vinyl Acetate	5.07	43	1910002	13.136	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1301850	11.211	ppbv	99
25) Ethyl Acetate	5.68	43	2237176	11.816	ppbv	100
26) Hexane	5.69	57	990208	11.347	ppbv	97
27) Carbon Disulfide	4.54	76	1216669	12.283	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1570356	12.597	ppbv	100
29) Chloroform	5.76	83	1535492	11.044	ppbv	96
30) Cyclohexane	7.14	84	824844	12.197	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1037172	12.078	ppbv	96
32) 1,1,1-Trichloroethane	6.52	97	1507629	11.612	ppbv	100
34) 2-Butanone	5.24	43	1493575	11.824	ppbv	99
35) Carbon Tetrachloride	7.03	117	1522022	11.325	ppbv	98
36) Benzene	6.90	78	1977086	11.407	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1248057	11.423	ppbv	100
38) Trichloroethene	7.85	130	724552	10.845	ppbv	97
39) 1,2-Dichloropropane	7.64	63	796291	11.548	ppbv	98
40) 1,4-Dioxane	7.85	88	250915	10.700	ppbv #	1
41) Tetrahydrofuran	6.05	42	842082	12.630	ppbv	100
42) Bromodichloromethane	7.81	83	1651078	11.543	ppbv	100
43) Methyl Methacrylate	8.03	69	902354	12.378	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
QLast Update : Fri Feb 28 01:15:02 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3416149	11.277	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1071003	13.463	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	1251304	13.115	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	792188	11.198	ppbv	96
48) Dibromochloromethane	10.34	129	1319496	11.995	ppbv	100
49) Bromoform	13.09	173	1127548	11.822	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2181976	12.196	ppbv	100
51) 2-Hexanone	10.16	43	1806180	12.829	ppbv #	98
52) Tetrachloroethene	11.26	164	682501	10.743	ppbv	97
53) Toluene	9.83	91	2248667	12.198	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1209387	11.459	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	975235	8.747	ppbv	99
57) Chlorobenzene	12.19	112	1639605	8.474	ppbv	99
58) Ethyl Benzene	12.74	91	2986546	9.430	ppbv	99
59) m/p-Xylene	13.03	91	2165012	7.838	ppbv #	14
60) o-Xylene	13.73	91	2399651	8.754	ppbv	99
61) Styrene	13.57	104	1721228	9.775	ppbv	99
62) Isopropylbenzene	14.71	105	3502865	8.760	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1685923	7.891	ppbv	99
64) n-propylbenzene	15.61	120	908558	8.814	ppbv	95
65) tert-Butylbenzene	16.79	119	3018347	8.742	ppbv	99
66) Benzyl Chloride	17.04	91	1369601	10.634	ppbv	98
67) sec-Butylbenzene	17.34	105	4357906	8.771	ppbv	98
69) p-Isopropyltoluene	17.70	119	3602778	8.809	ppbv	99
70) n-Butylbenzene	18.60	91	3897105	8.750	ppbv	99
71) 2-Chlorotoluene	15.50	91	2724516	8.797	ppbv	100
72) 4-Ethyltoluene	15.89	105	2818363	9.238	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	2670975	9.100	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	2786545	8.597	ppbv	99
75) 1,3-Dichlorobenzene	17.05	146	1577735	8.433	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1594571	8.518	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1562544	8.638	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1407678	8.938	ppbv	99
79) Naphthalene	22.27	128	2781672	9.751	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	1088282	12.369	ppbv	96
81) 1,2,4-Trichlorobenzene	22.00	180	743483	4.367	ppbv #	1

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

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VSTDCCC010EC

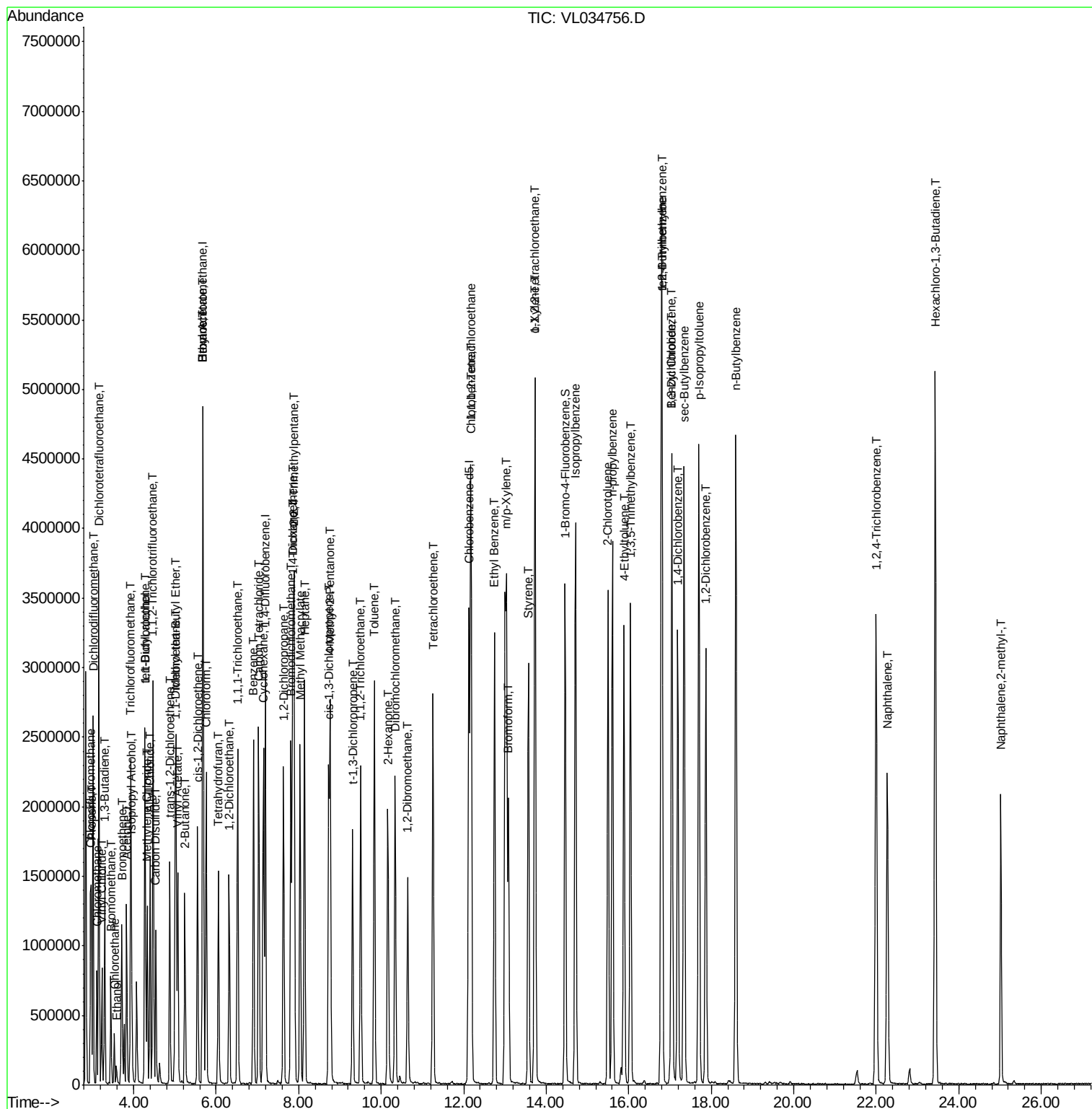
Quant Time: Mar 02 04:40:53 2020

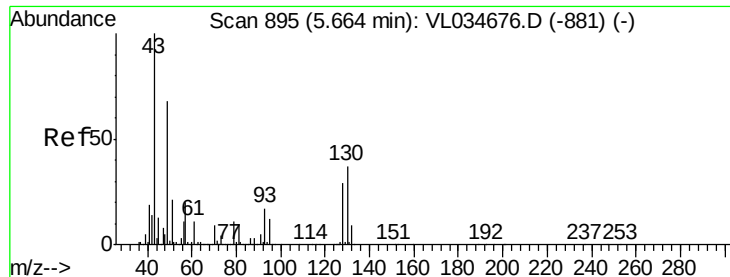
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL022620AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Feb 28 01:15:02 2020

QLast Update : Fri Feb 28 01:15:02 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

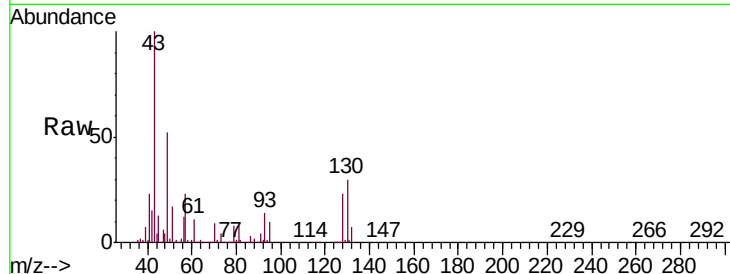
Tgt Ion: 49 Resp: 938600

Ion Ratio Lower Upper

49 100

128 44.0 21.6 65.0

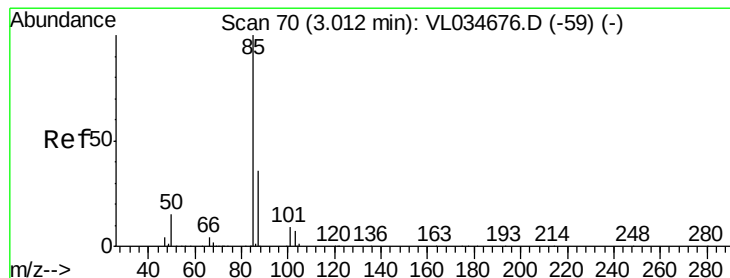
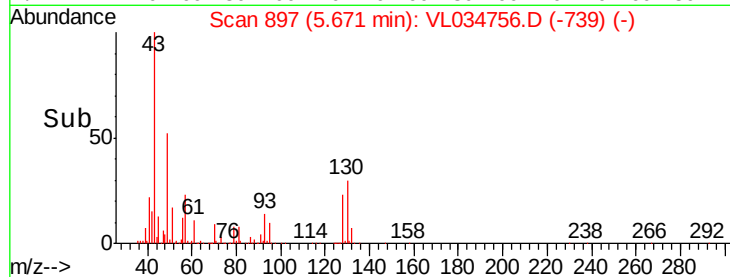
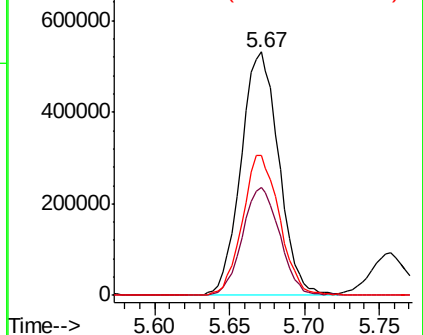
130 56.3 27.7 83.1



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: 12.095 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034756.D

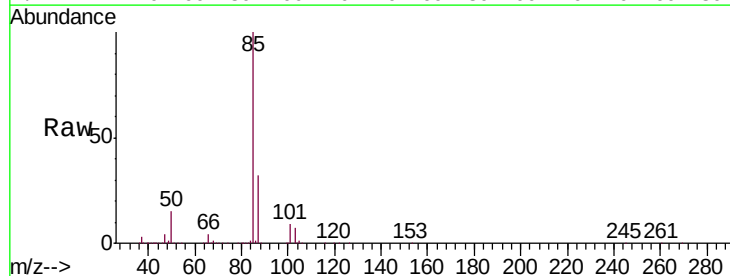
Acq: 29 Feb 2020 3:44

Tgt Ion: 85 Resp: 1790839

Ion Ratio Lower Upper

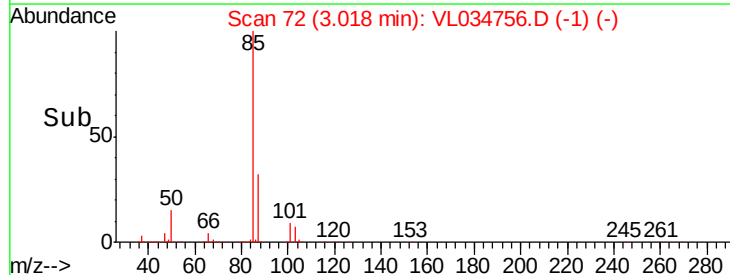
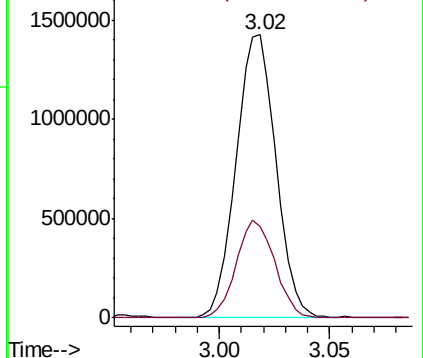
85 100

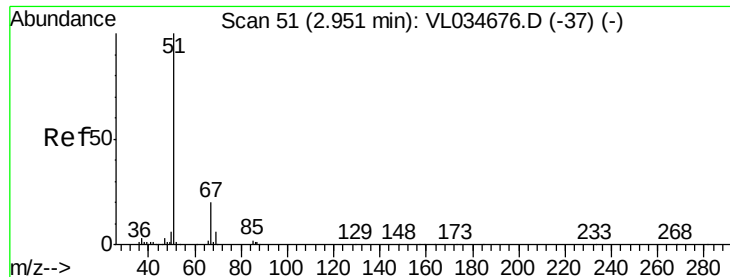
87 32.4 29.2 43.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 11.400 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

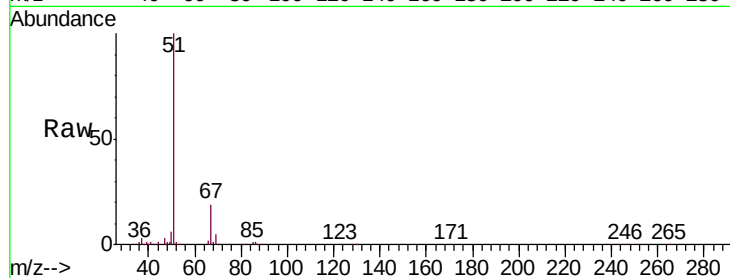
VSTDCCC010EC

Tgt Ion: 51 Resp: 1154704

Ion Ratio Lower Upper

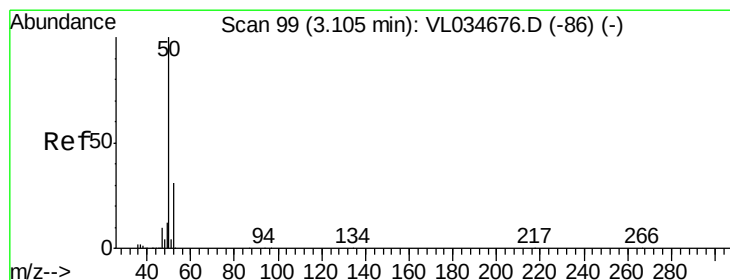
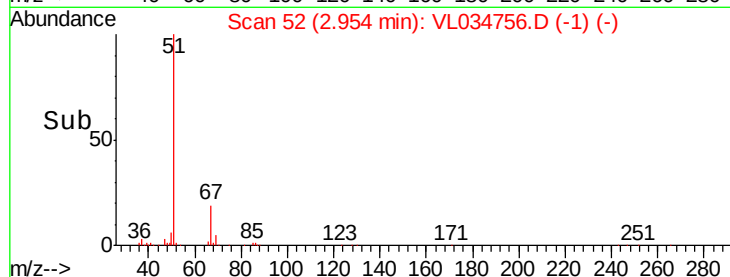
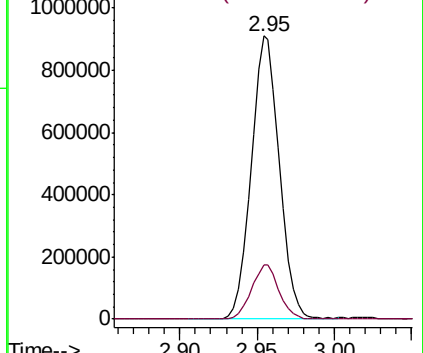
51 100

67 18.8 15.5 23.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.530 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.00 min

Lab File: VL034756.D

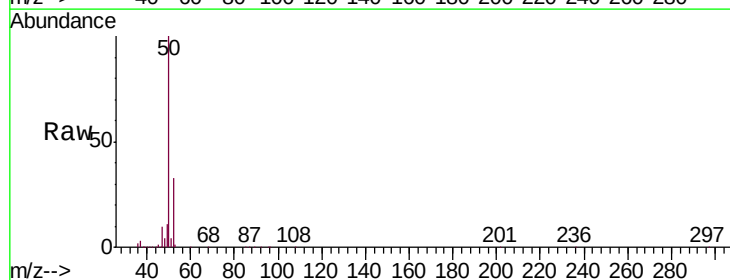
Acq: 29 Feb 2020 3:44

Tgt Ion: 50 Resp: 653746

Ion Ratio Lower Upper

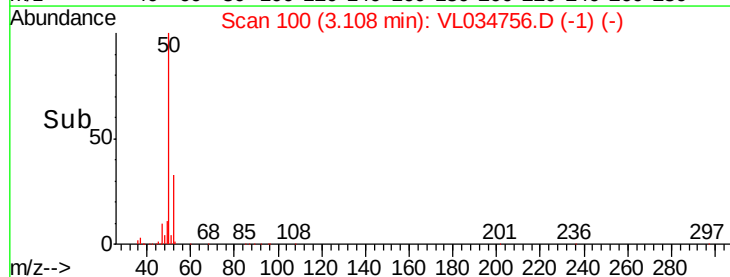
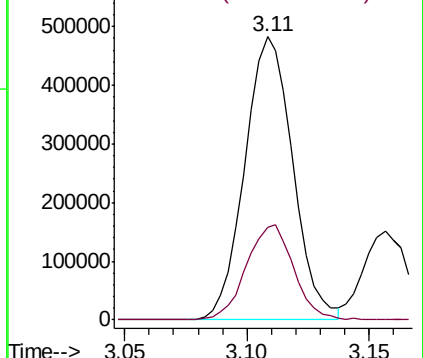
50 100

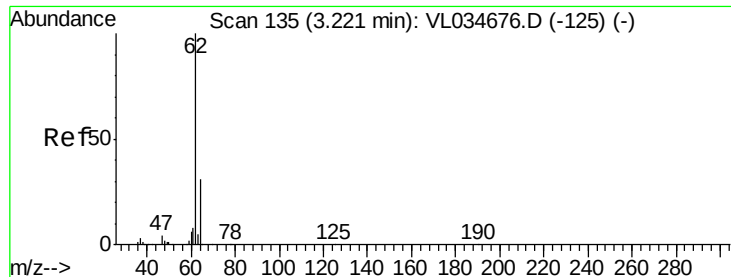
52 33.0 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.215 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

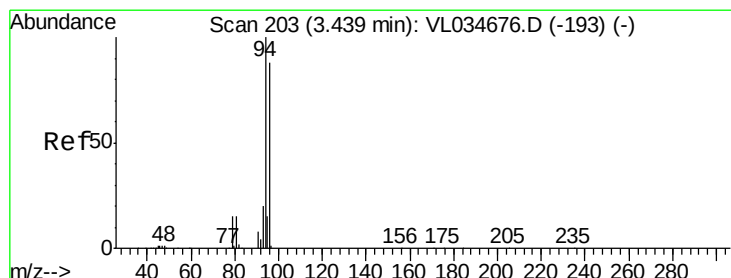
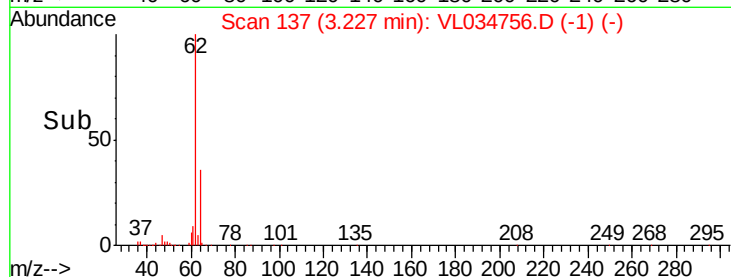
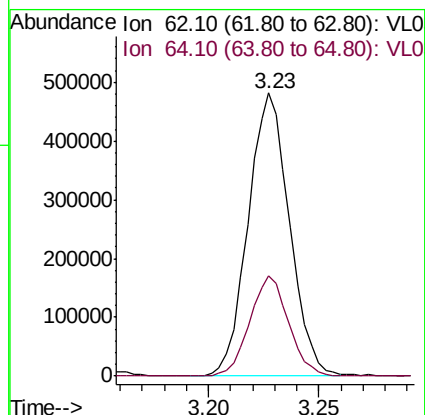
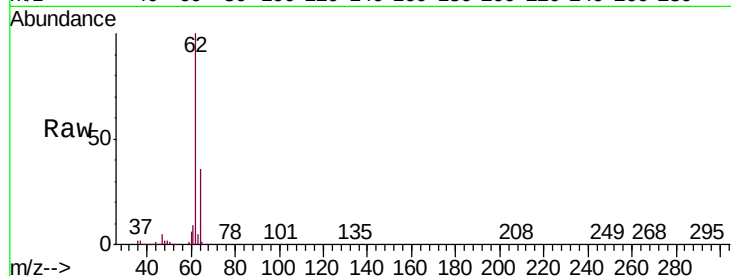
VSTDCCC010EC

Tgt Ion: 62 Resp: 623838

Ion Ratio Lower Upper

62 100

64 35.6 24.7 37.1



#6

Bromomethane

Concen: 11.403 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034756.D

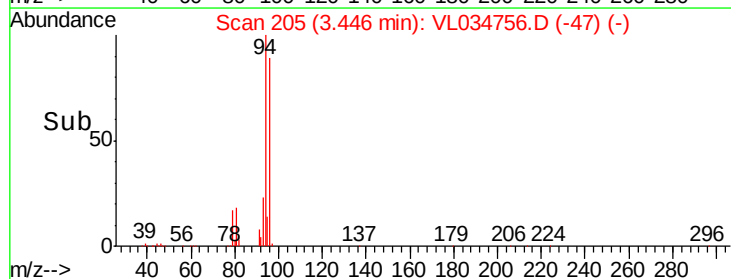
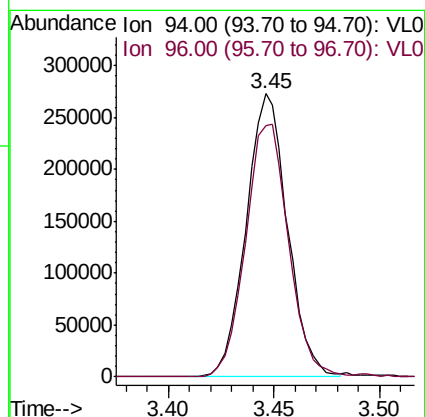
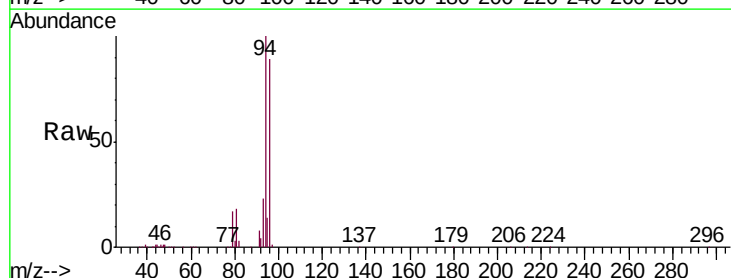
Acq: 29 Feb 2020 3:44

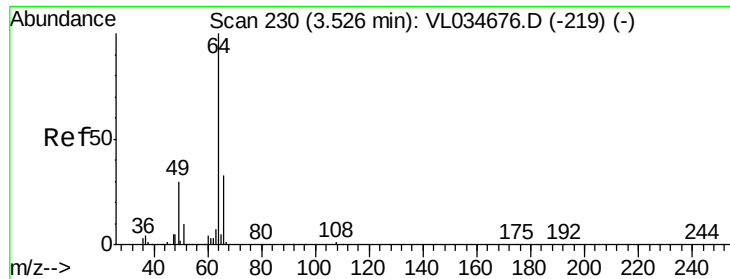
Tgt Ion: 94 Resp: 371621

Ion Ratio Lower Upper

94 100

96 88.7 70.5 105.7





#7

Chloroethane

Concen: 11.072 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

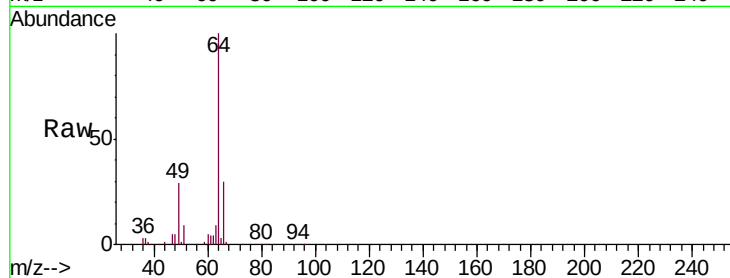
VSTDCCC010EC

Tgt Ion: 64 Resp: 228651

Ion Ratio Lower Upper

64 100

66 30.5 26.7 40.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

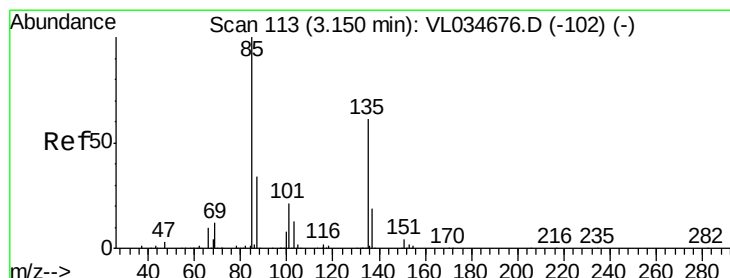
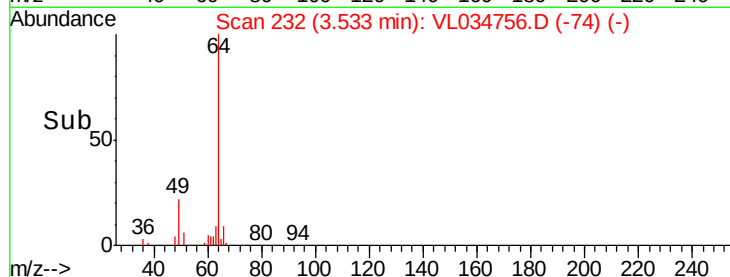
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.714 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034756.D

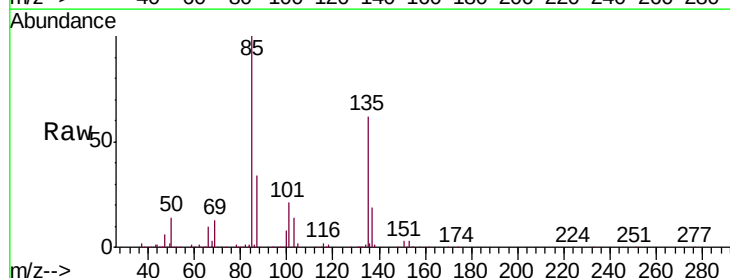
Acq: 29 Feb 2020 3:44

Tgt Ion: 85 Resp: 1403196

Ion Ratio Lower Upper

85 100

135 62.9 49.8 74.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1200000

1000000

800000

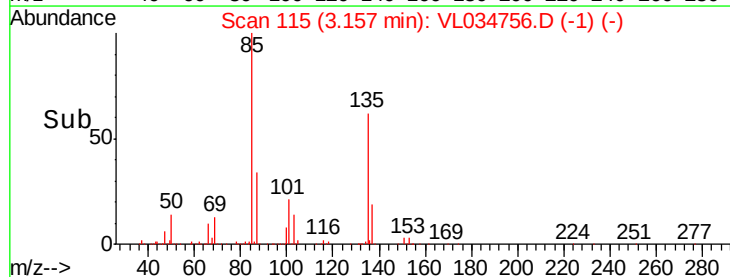
600000

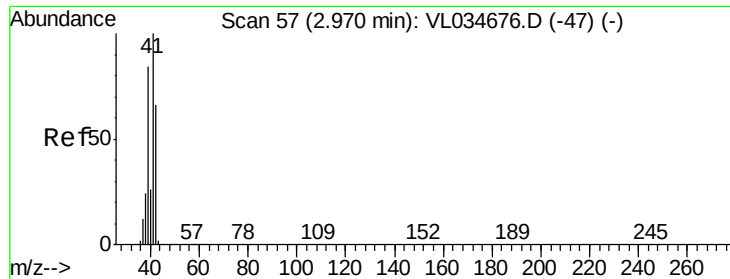
400000

200000

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Time-->





#9

Propene

Concen: 12.164 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034756.D

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ClientSampleId :

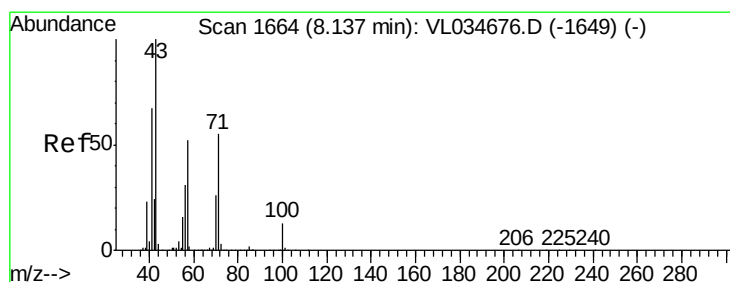
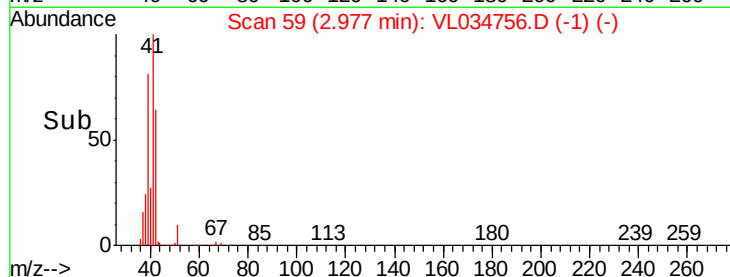
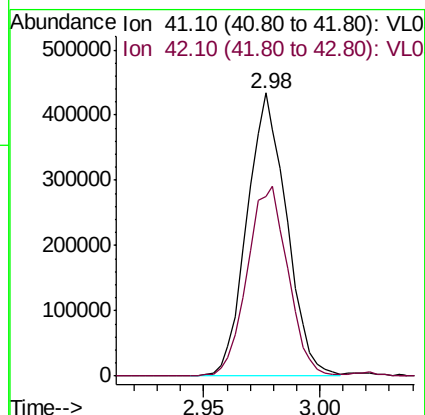
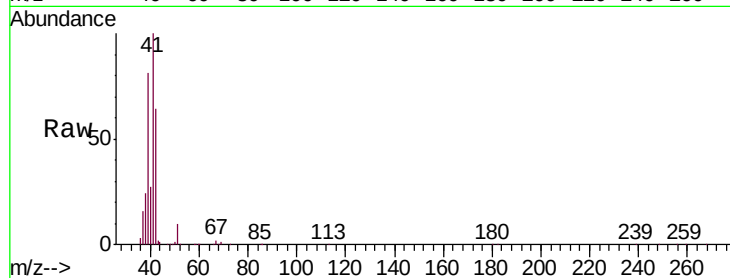
VSTDCCC010EC

Tgt Ion: 41 Resp: 515042

Ion Ratio Lower Upper

41 100

42 69.8 54.9 82.3



#10

Heptane

Concen: 12.158 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL034756.D

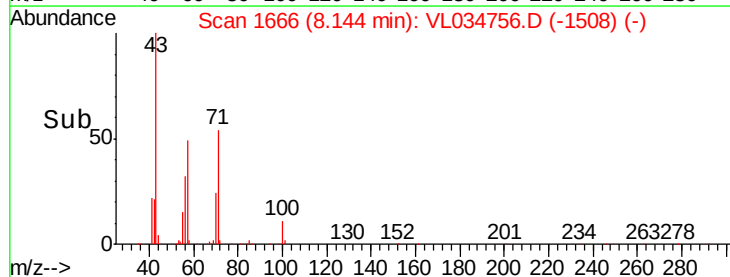
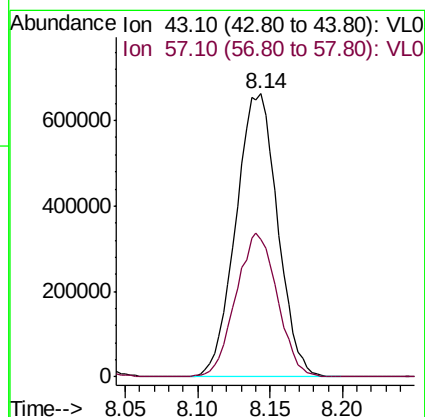
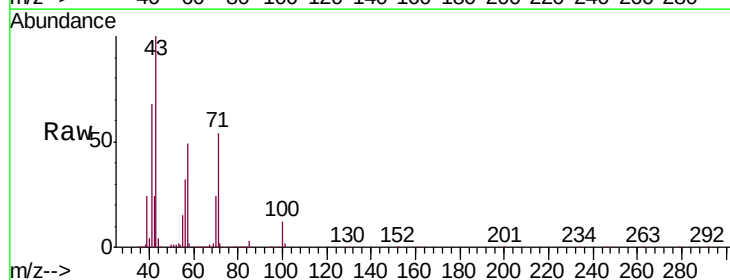
Acq: 29 Feb 2020 3:44

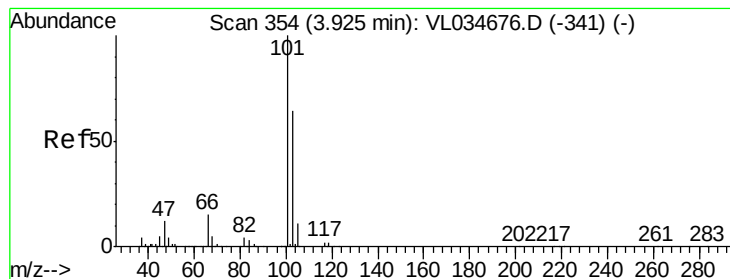
Tgt Ion: 43 Resp: 1325013

Ion Ratio Lower Upper

43 100

57 50.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 11.285 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

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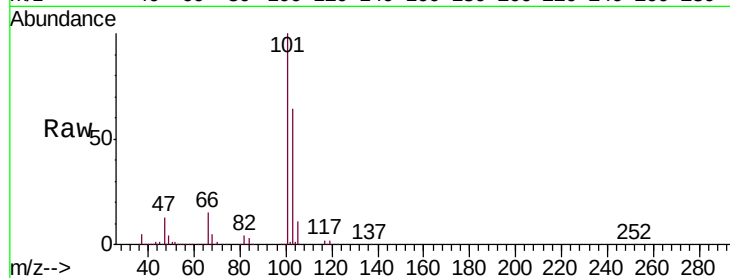
VSTDCCC010EC

Tgt Ion:101 Resp: 1463540

Ion Ratio Lower Upper

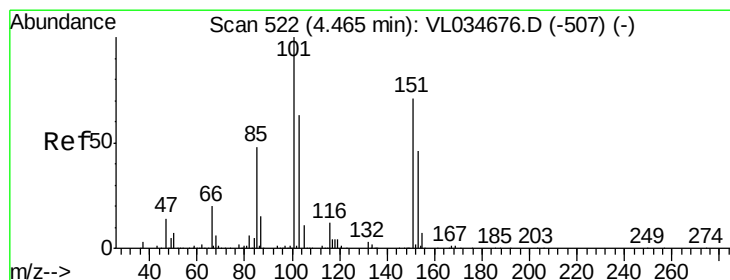
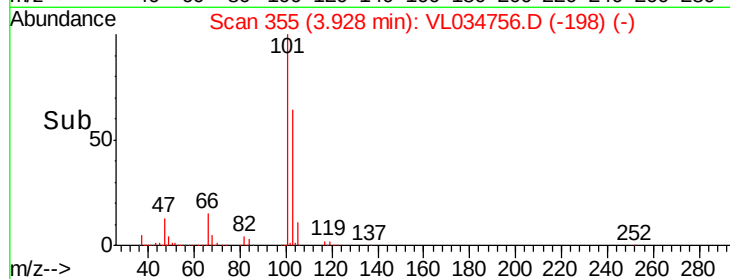
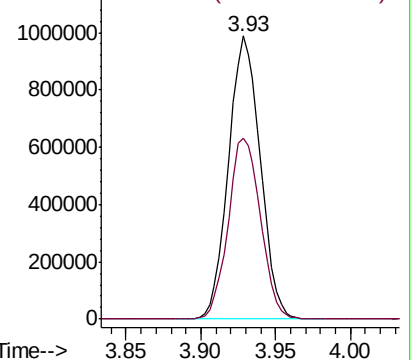
101 100

103 63.7 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.130 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034756.D

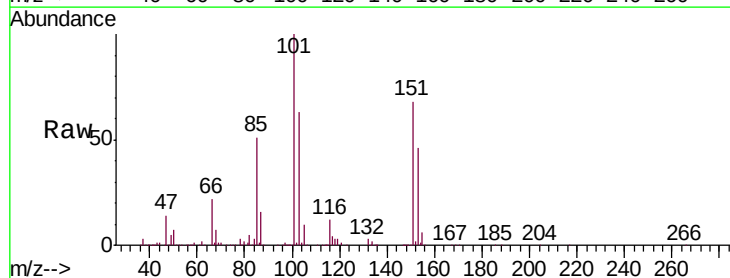
Acq: 29 Feb 2020 3:44

Tgt Ion:101 Resp: 1017457

Ion Ratio Lower Upper

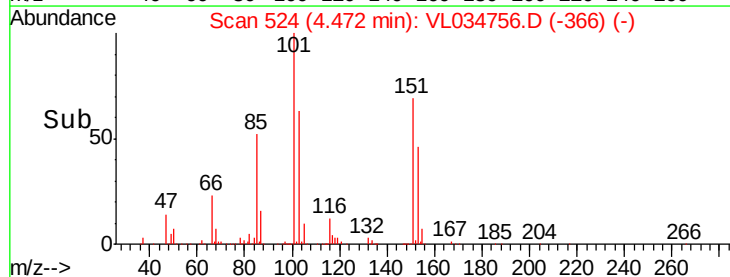
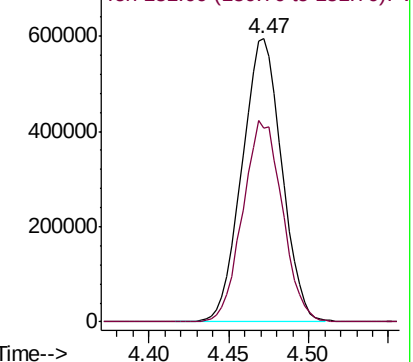
101 100

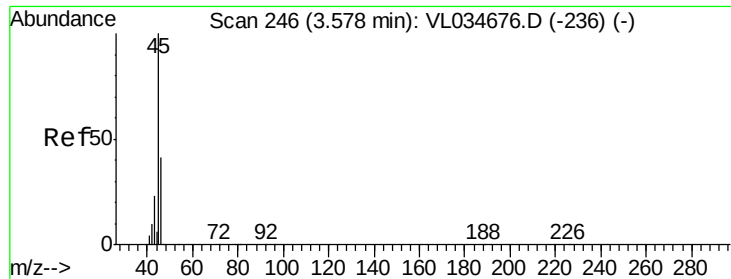
151 71.0 55.8 83.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.248 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

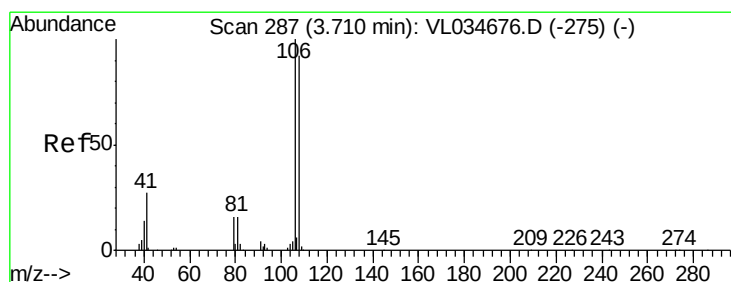
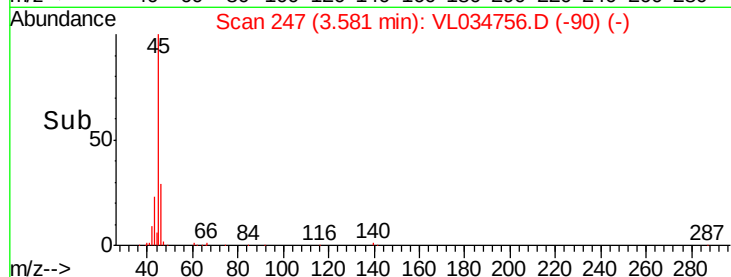
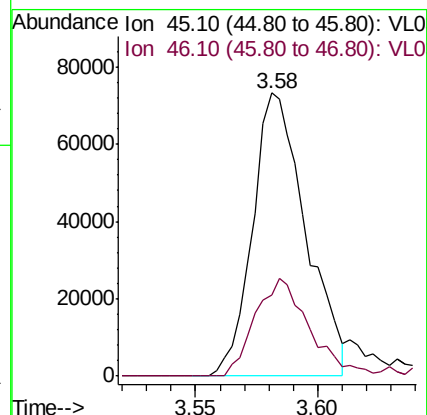
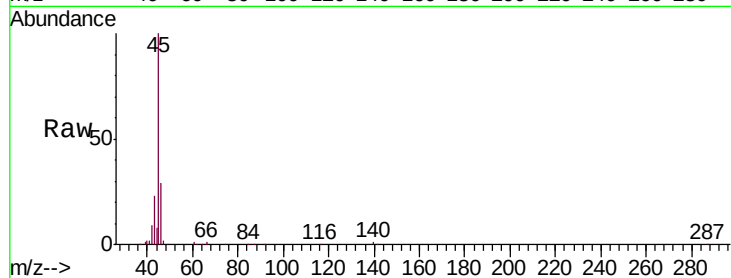
VSTDCCC010EC

Tgt Ion: 45 Resp: 110328

Ion Ratio Lower Upper

45 100

46 37.9 15.4 61.4



#14

Bromoethene

Concen: 11.827 ppbv

RT: 3.72 min Scan# 289

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

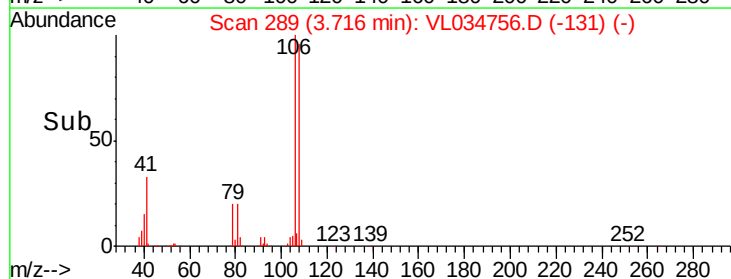
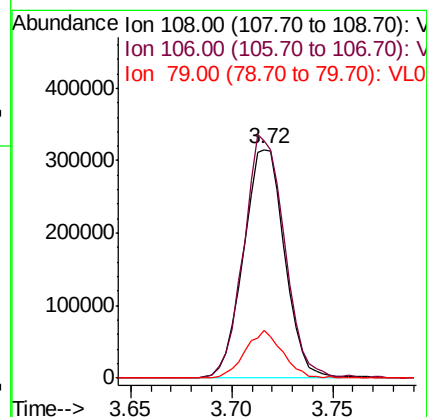
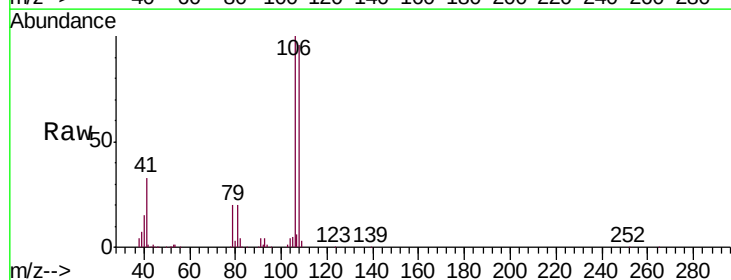
Tgt Ion: 108 Resp: 451088

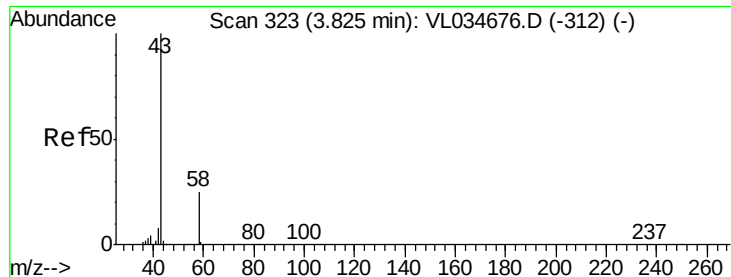
Ion Ratio Lower Upper

108 100

106 106.5 86.7 130.1

79 19.4 15.0 22.6





#15

Acetone

Concen: 11.464 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

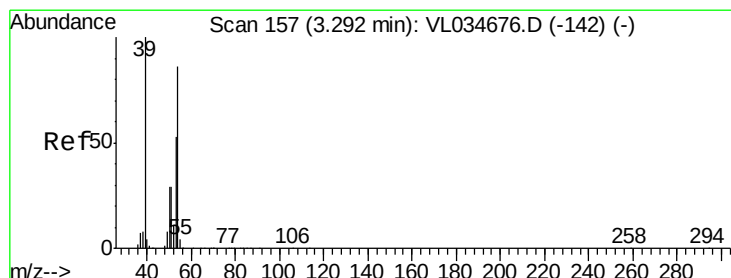
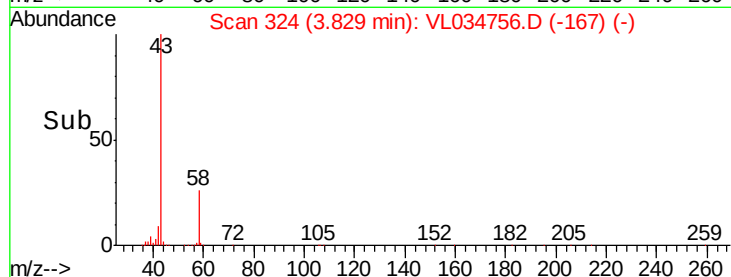
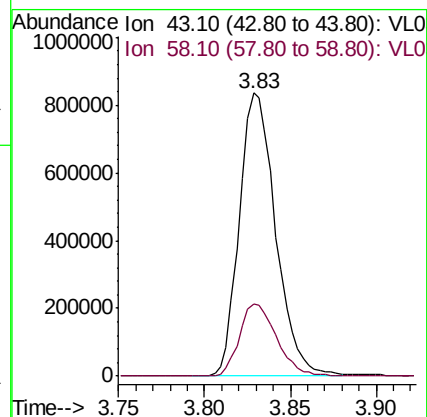
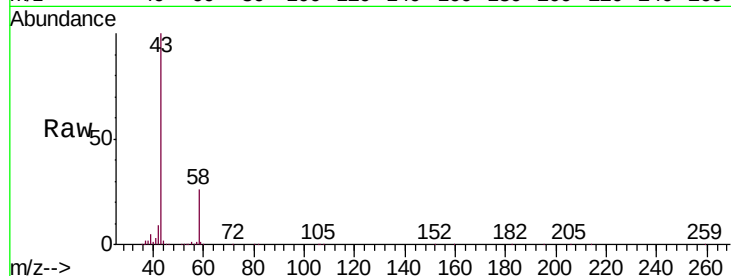
VSTDCCC010EC

Tgt Ion: 43 Resp: 1226165

Ion Ratio Lower Upper

43 100

58 26.4 21.4 32.0



#16

1,3-Butadiene

Concen: 11.763 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.01 min

Lab File: VL034756.D

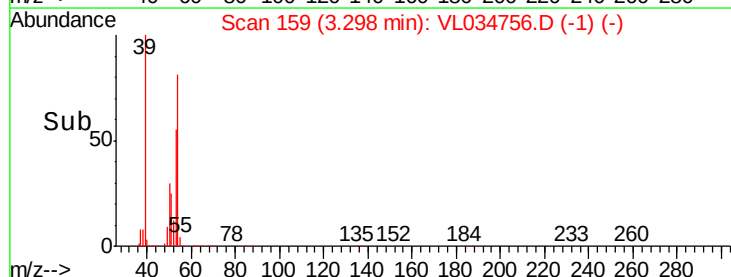
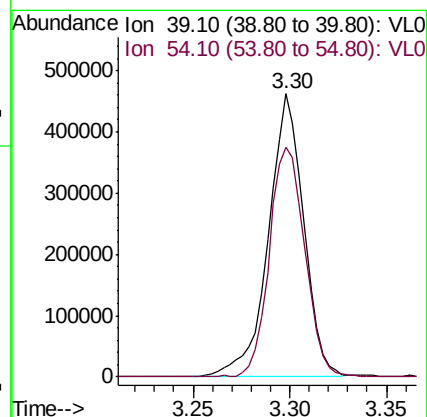
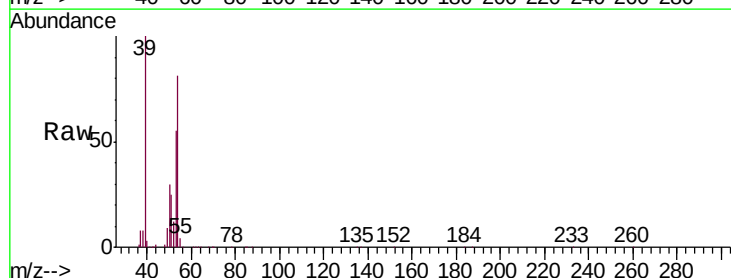
Acq: 29 Feb 2020 3:44

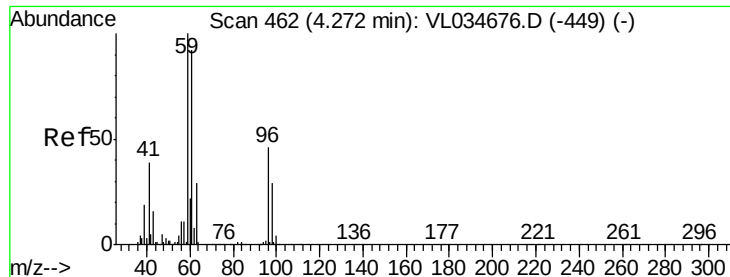
Tgt Ion: 39 Resp: 582401

Ion Ratio Lower Upper

39 100

54 82.1 67.0 100.6





#17

tert-Butyl alcohol

Concen: 10.576 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

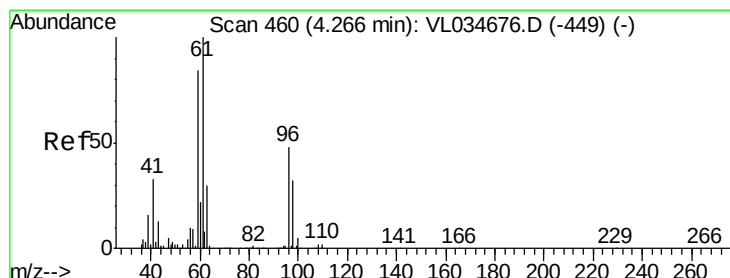
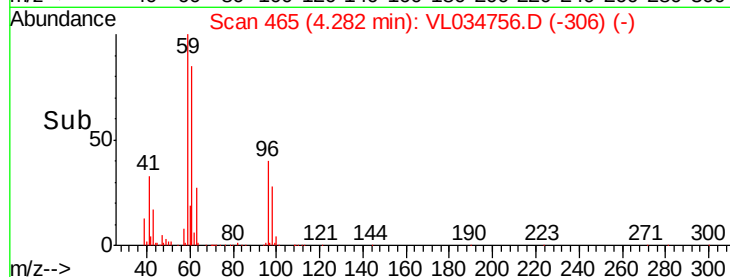
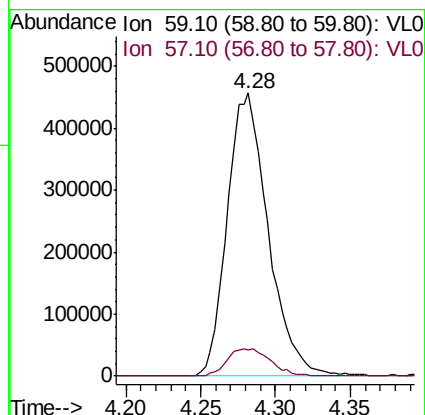
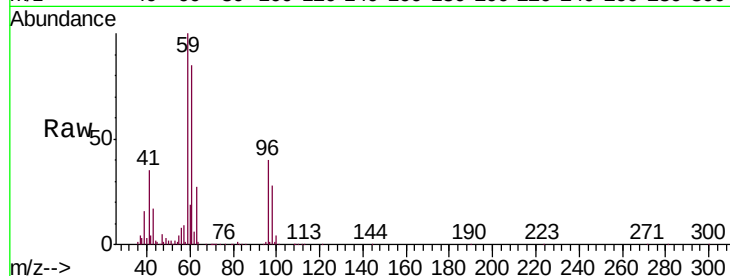
VSTDCCC010EC

Tgt Ion: 59 Resp: 866771

Ion Ratio Lower Upper

59 100

57 10.5 8.8 13.2



#18

1,1-Dichloroethene

Concen: 11.280 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

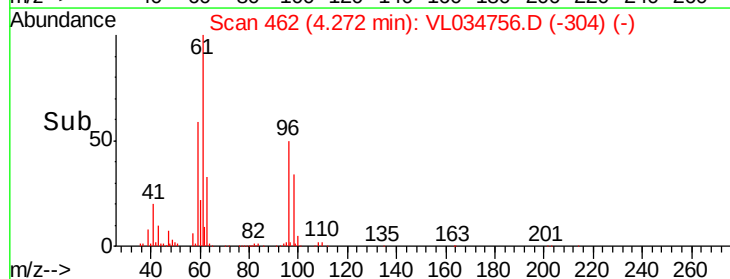
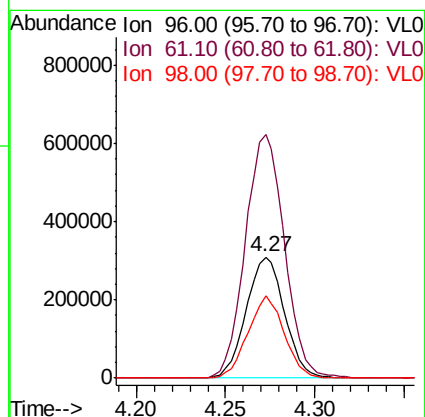
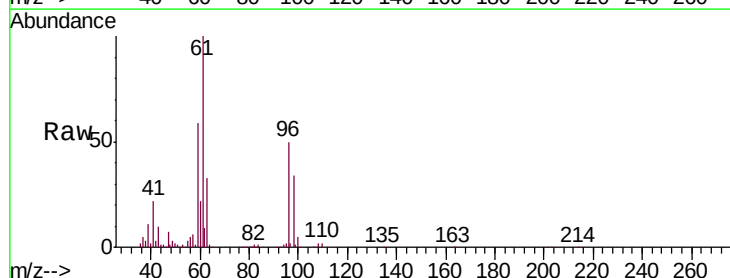
Tgt Ion: 96 Resp: 462926

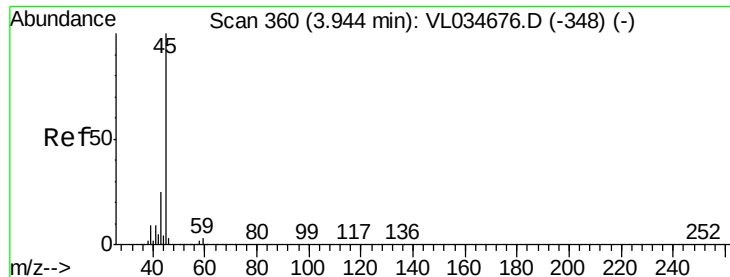
Ion Ratio Lower Upper

96 100

61 200.9 165.1 247.7

98 68.3 52.7 79.1





#19

Isopropyl Alcohol

Concen: 9.717 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

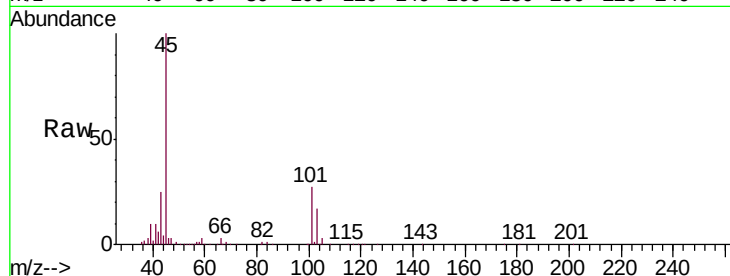
VSTDCCC010EC

Tgt Ion: 45 Resp: 619030

Ion Ratio Lower Upper

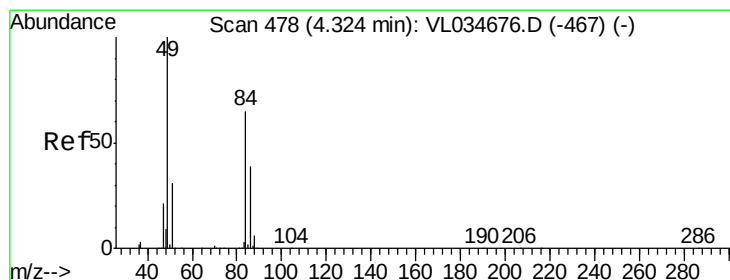
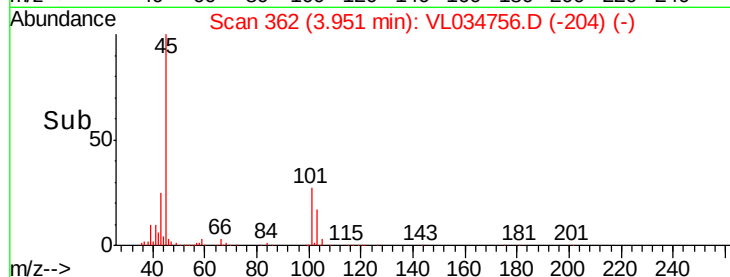
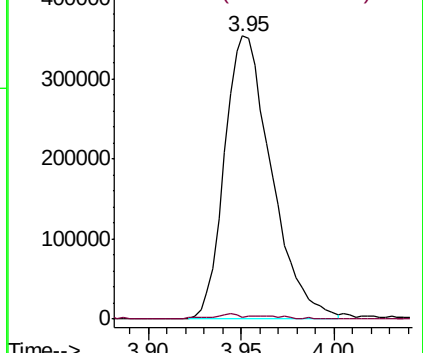
45 100

58 2.3 1.8 2.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 10.393 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Tgt Ion: 84 Resp: 413414

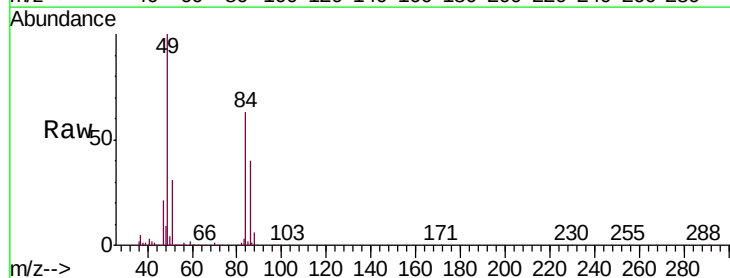
Ion Ratio Lower Upper

84 100

49 158.1 122.8 184.2

51 48.9 38.6 58.0

86 63.4 47.7 71.5

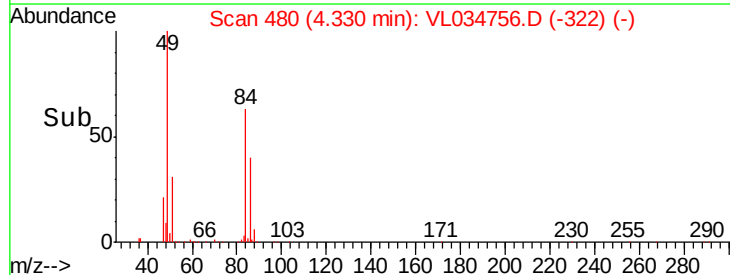
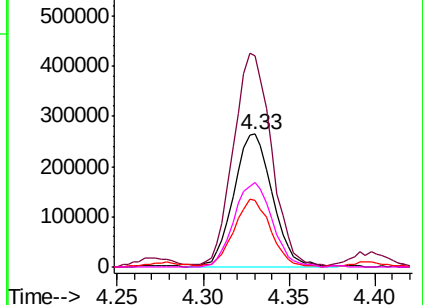


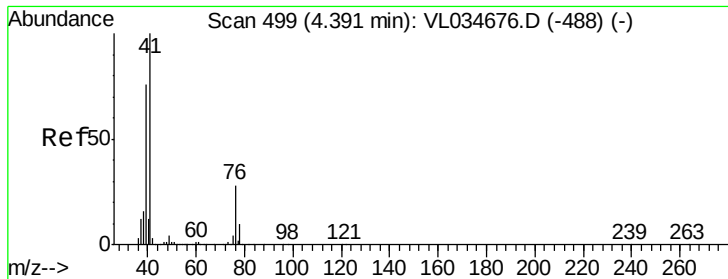
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

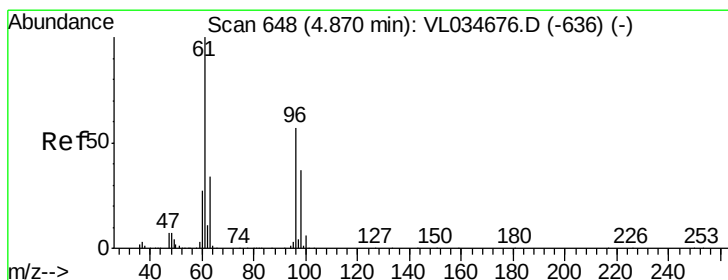
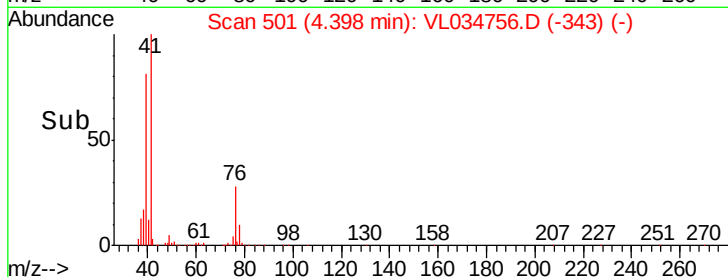
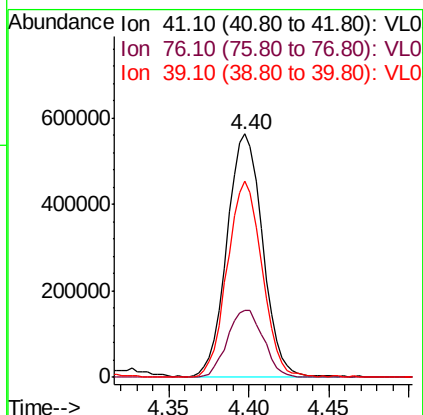
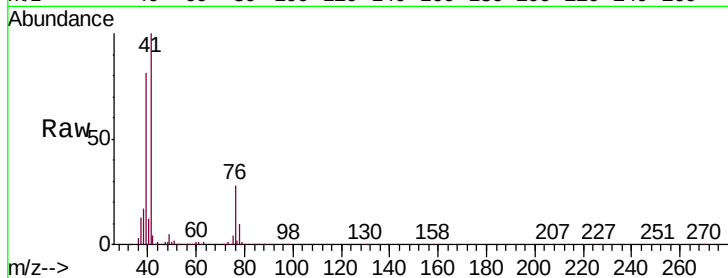




#21
 Allyl Chloride
 Concen: 11.988 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

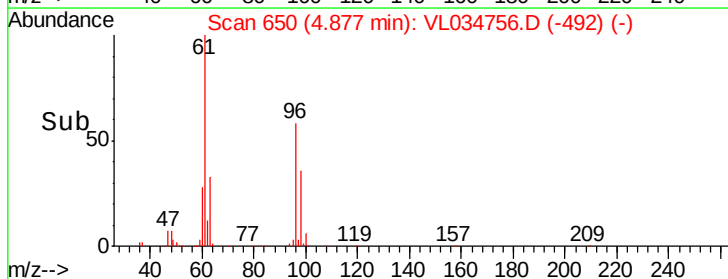
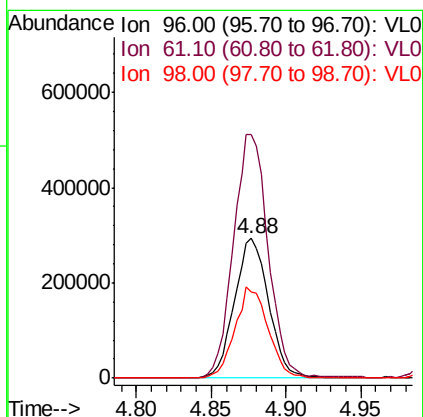
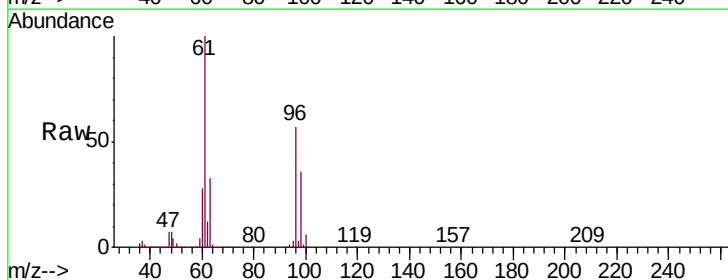
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

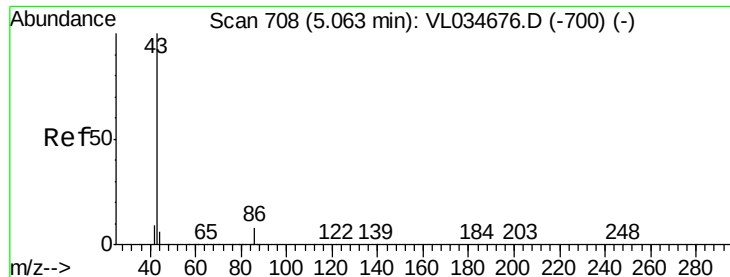
Tgt Ion: 41 Resp: 848312
 Ion Ratio Lower Upper
 41 100
 76 28.0 22.8 34.2
 39 79.3 61.7 92.5



#22
 trans-1,2-Dichloroethene
 Concen: 11.700 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 96 Resp: 468214
 Ion Ratio Lower Upper
 96 100
 61 173.9 139.4 209.0
 98 62.0 51.3 76.9



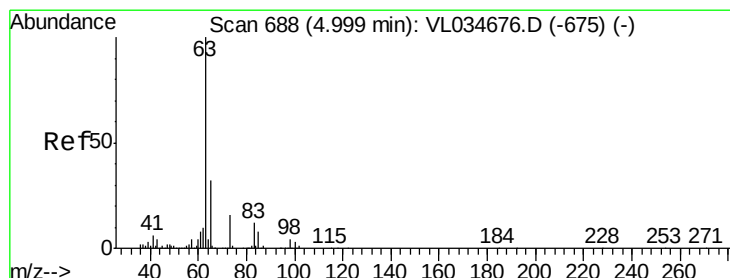
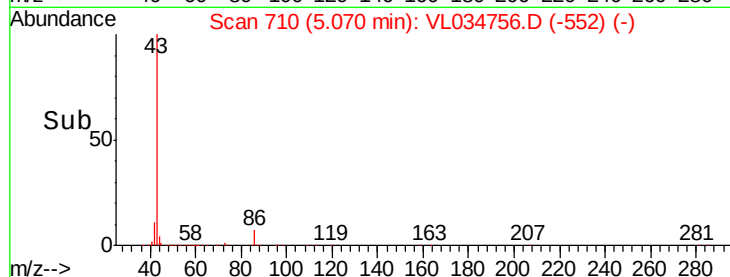
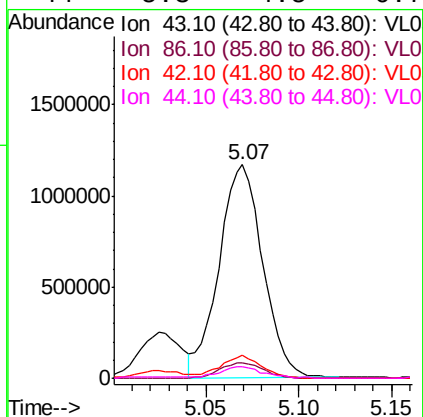
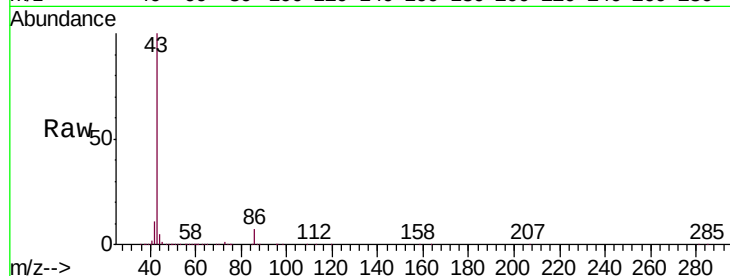


#23
 Vinyl Acetate
 Concen: 13.136 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1910002

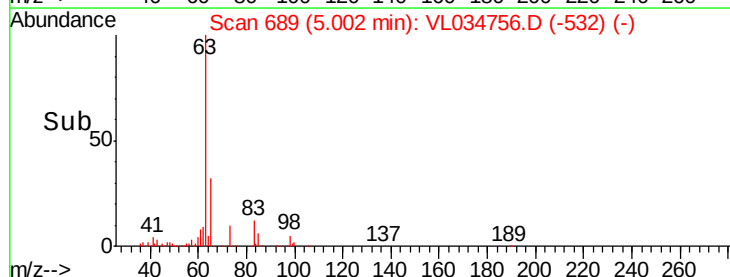
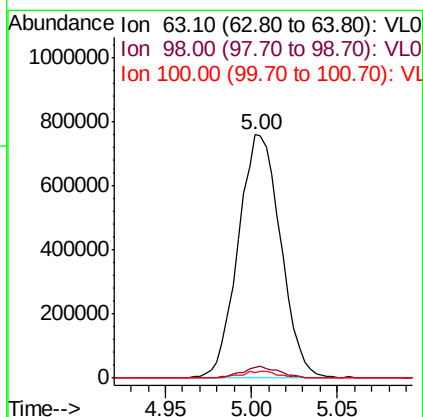
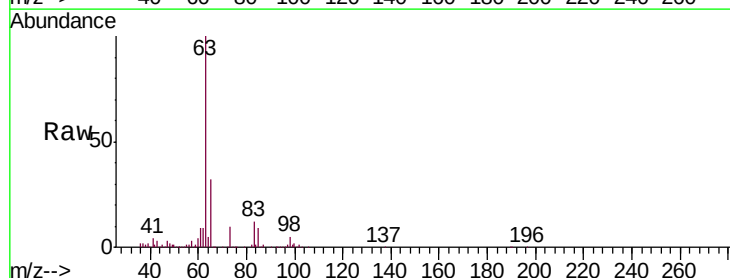
Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.0	9.0
42	10.5	8.0	12.0
44	5.3	4.5	6.7

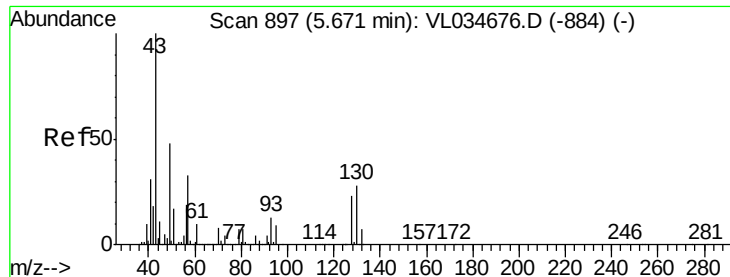


#24
 1,1-Dichloroethane
 Concen: 11.211 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 63 Resp: 1301850

Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.5	1.4	4.0



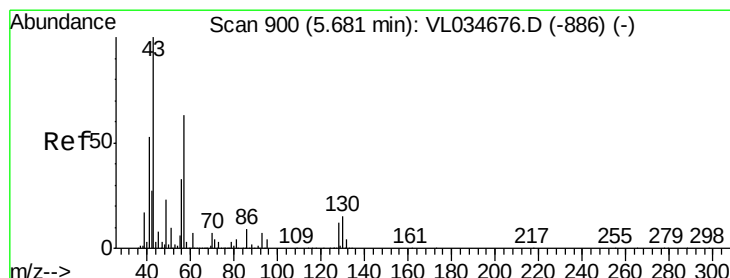
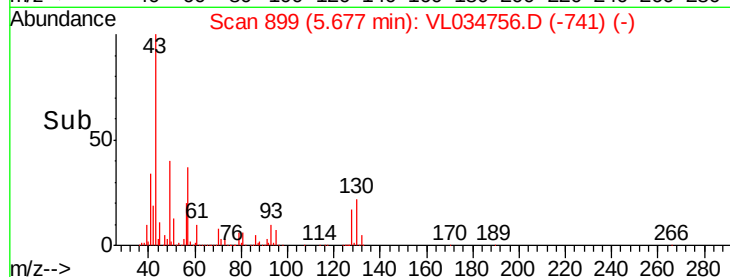
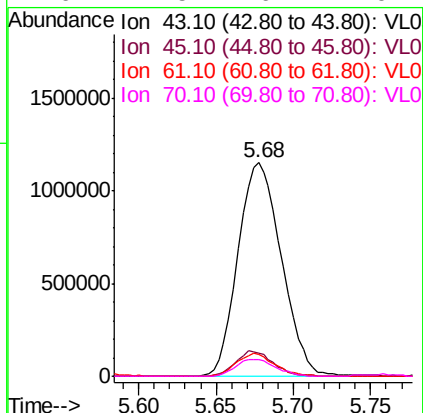
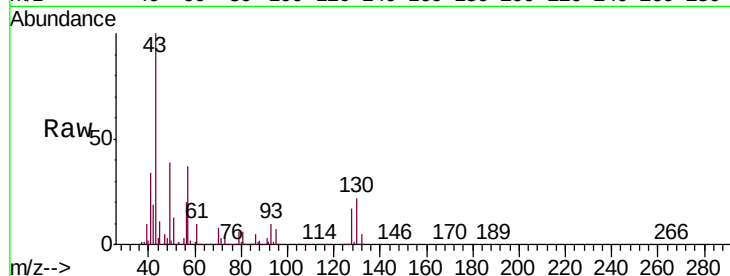


#25
Ethyl Acetate
Concen: 11.816 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2237176

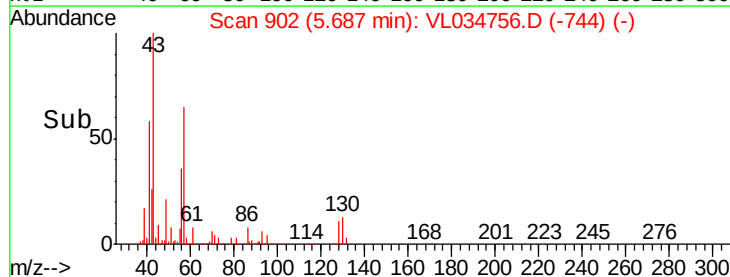
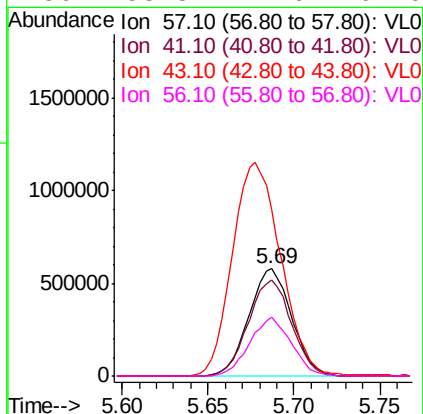
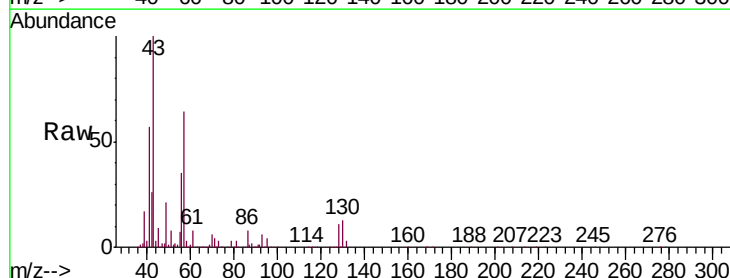
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.4	7.8	11.6
70	7.5	6.1	9.1

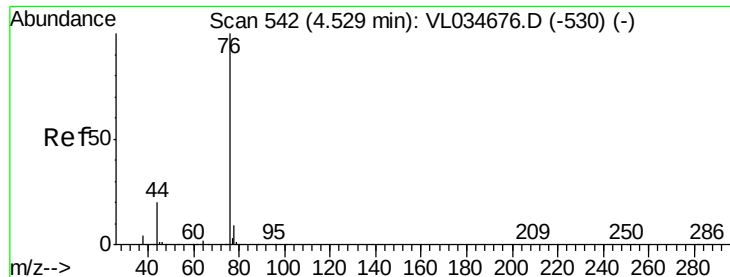


#26
Hexane
Concen: 11.347 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 57 Resp: 990208

Ion	Ratio	Lower	Upper
57	100		
41	91.4	70.3	105.5
43	226.9	177.0	265.4
56	53.8	42.6	64.0





#27

Carbon Disulfide

Concen: 12.283 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

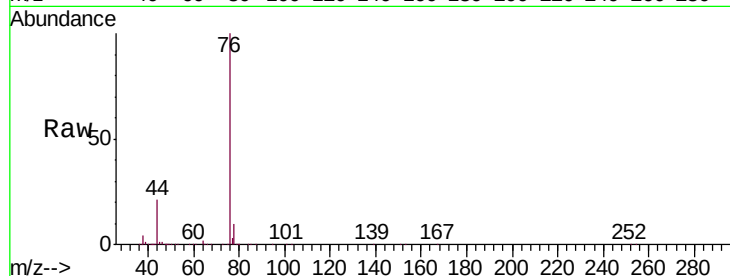
Tgt Ion: 76 Resp: 1216669

Ion Ratio Lower Upper

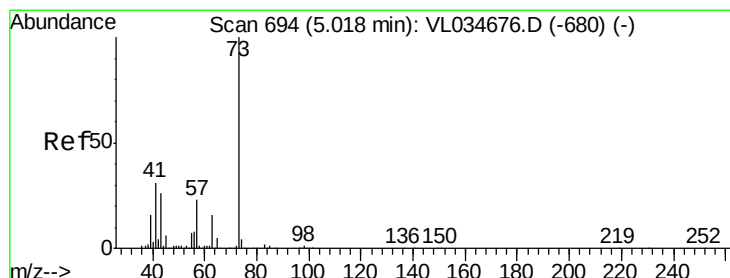
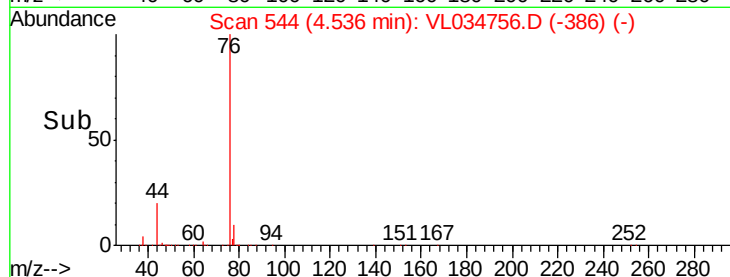
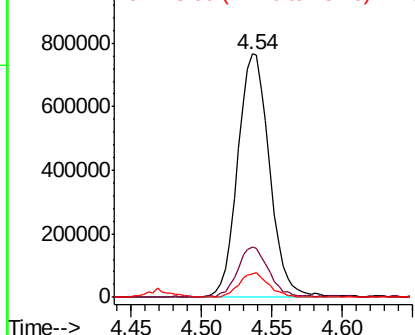
76 100

44 19.8 15.3 22.9

78 9.5 7.6 11.4



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



#28

Methyl tert-Butyl Ether

Concen: 12.597 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034756.D

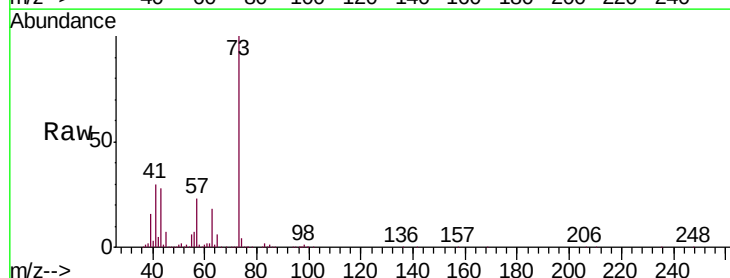
Acq: 29 Feb 2020 3:44

Tgt Ion: 73 Resp: 1570356

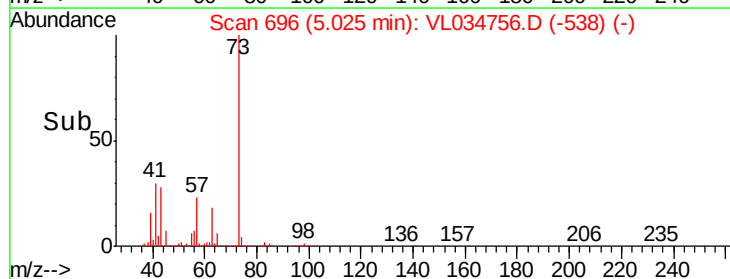
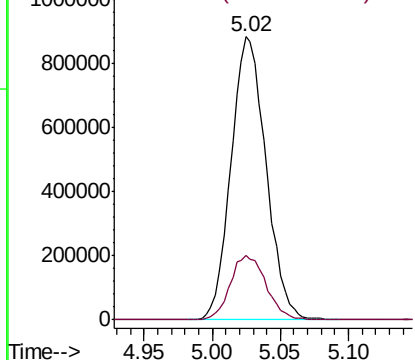
Ion Ratio Lower Upper

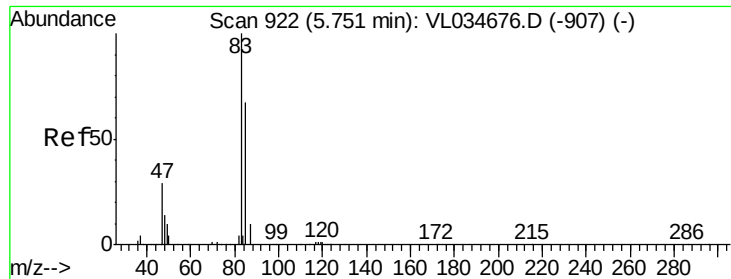
73 100

57 23.3 18.6 28.0



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

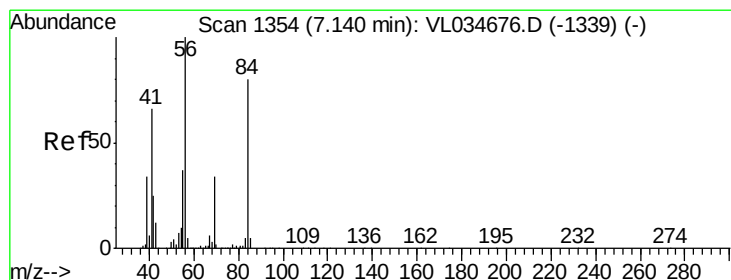
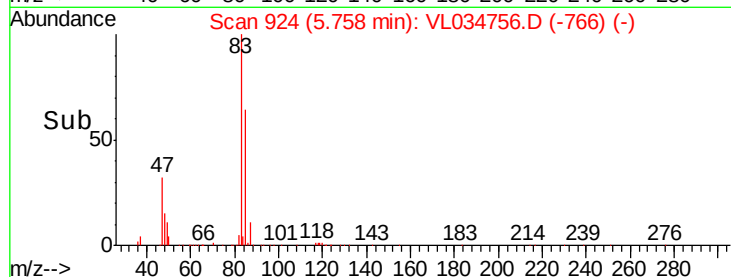
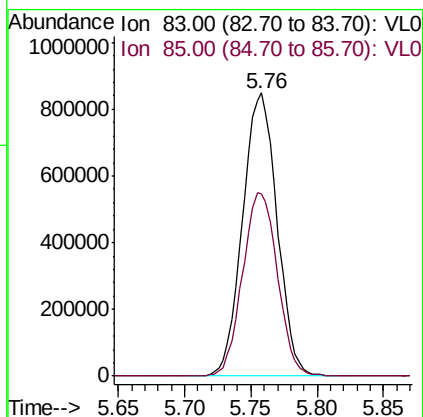
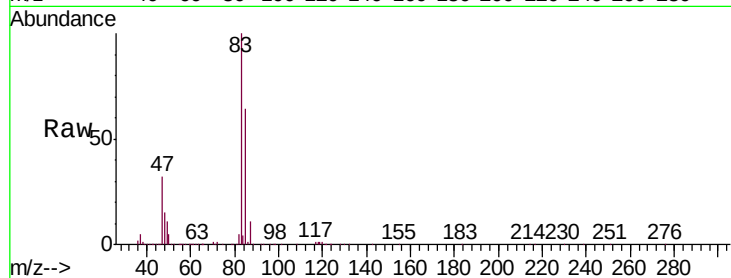




#29
Chloroform
Concen: 11.044 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

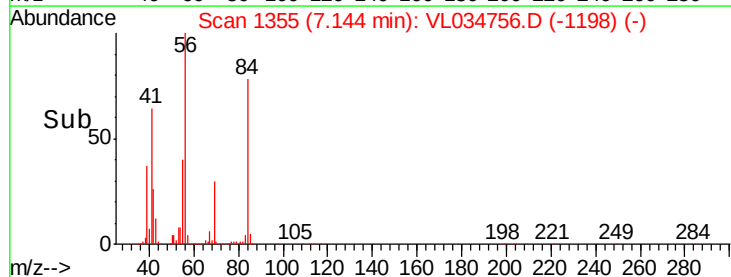
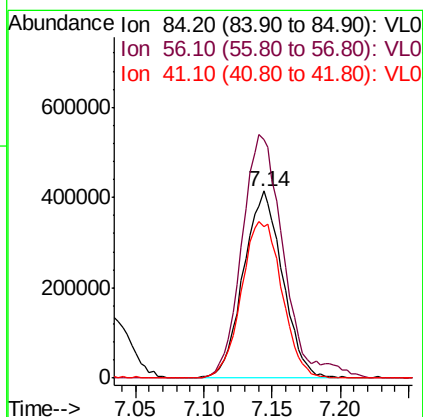
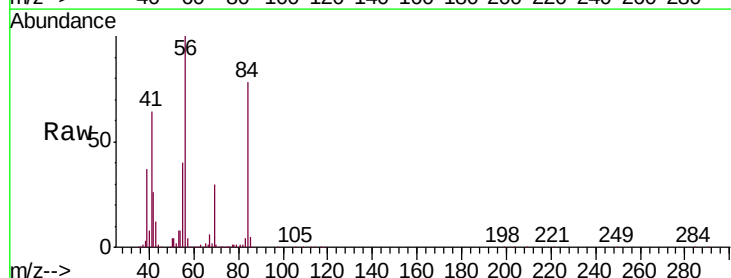
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

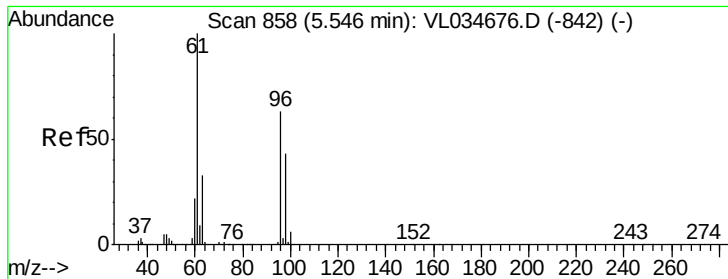
Tgt Ion: 83 Resp: 1535492
Ion Ratio Lower Upper
83 100
85 64.3 53.9 80.9



#30
Cyclohexane
Concen: 12.197 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 84 Resp: 824844
Ion Ratio Lower Upper
84 100
56 139.3 113.4 170.2
41 86.7 68.2 102.4



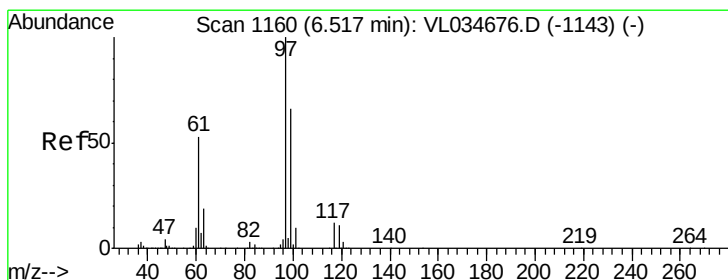
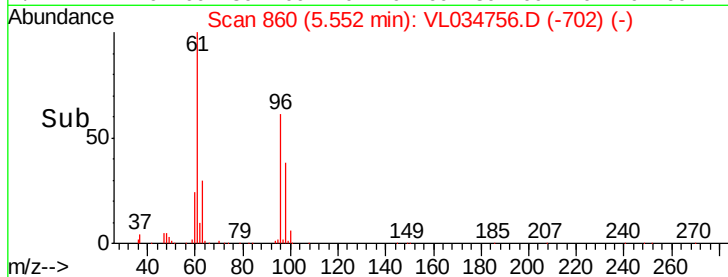
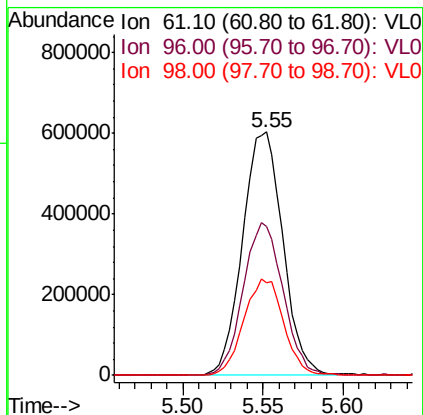
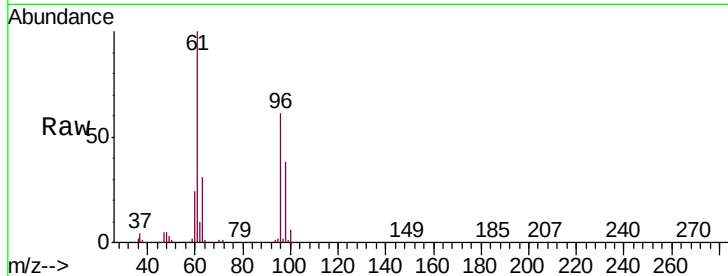


#31

cis-1,2-Dichloroethene
 Concen: 12.078 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

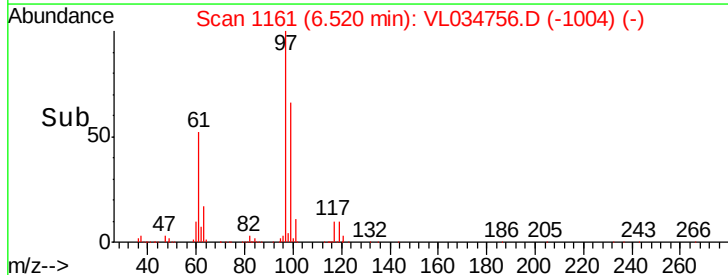
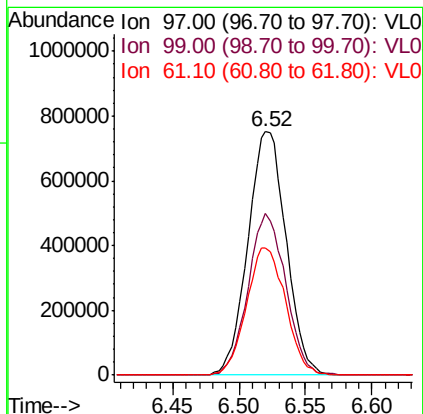
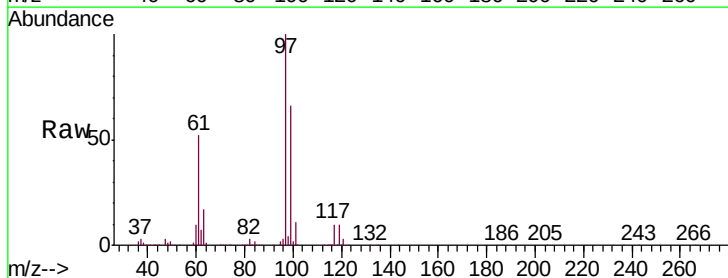
Tgt Ion: 61 Resp: 1037172
 Ion Ratio Lower Upper
 61 100
 96 61.0 50.2 75.2
 98 38.1 34.3 51.5

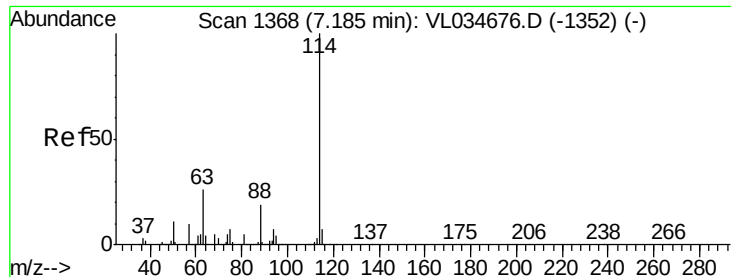


#32

1,1,1-Trichloroethane
 Concen: 11.612 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 97 Resp: 1507629
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.3 78.5
 61 53.4 42.8 64.2

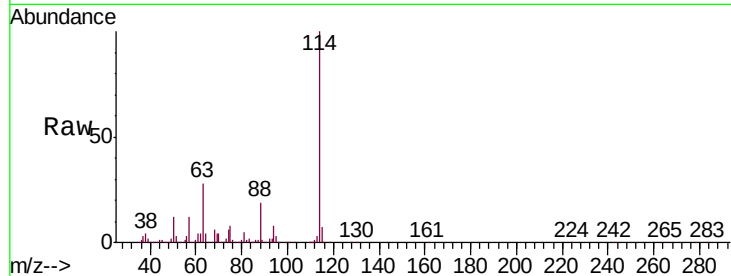




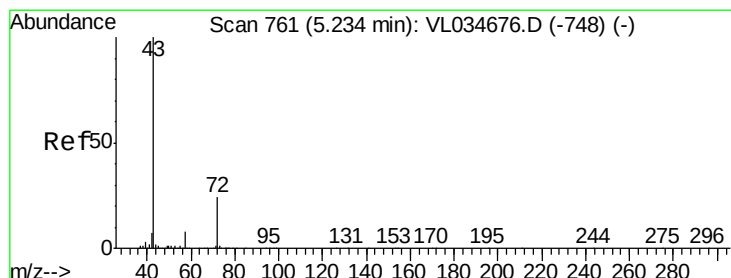
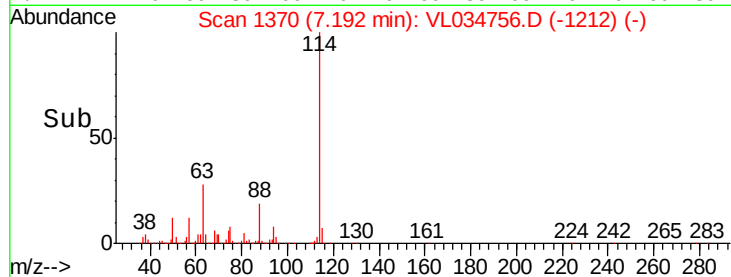
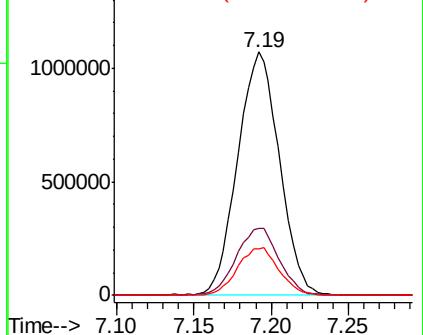
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 2006794
 Ion Ratio Lower Upper
 114 100
 63 28.8 22.9 34.3
 88 19.7 15.8 23.6

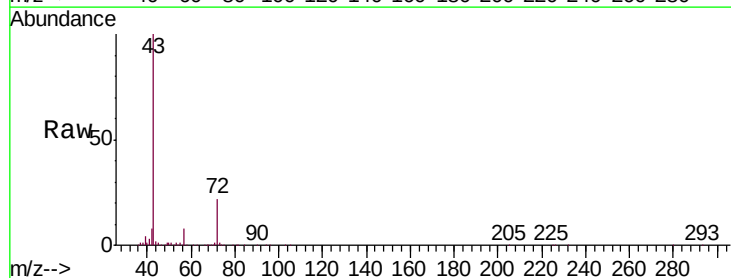


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

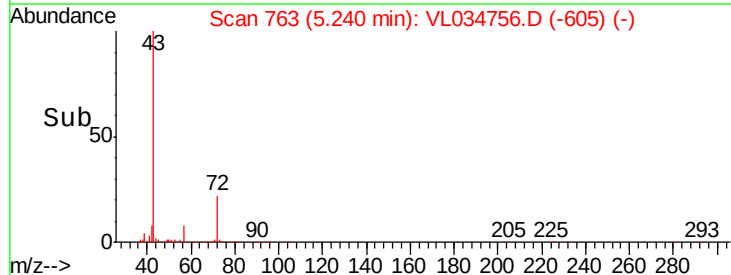
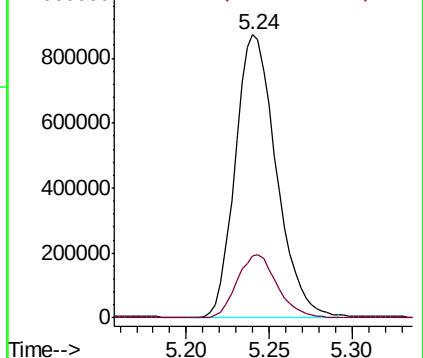


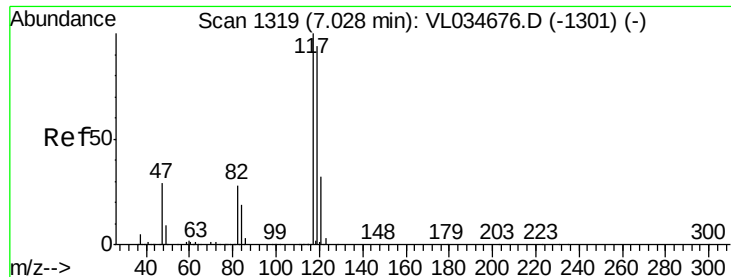
#34
 2-Butanone
 Concen: 11.824 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 43 Resp: 1493575
 Ion Ratio Lower Upper
 43 100
 72 22.2 18.2 27.2



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





#35

Carbon Tetrachloride

Concen: 11.325 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

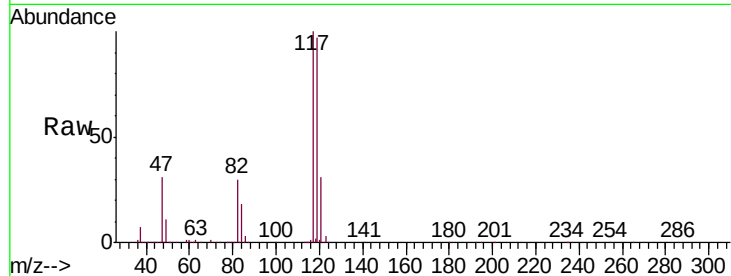
Tgt Ion:117 Resp: 1522022

Ion Ratio Lower Upper

117 100

119 96.7 75.5 113.3

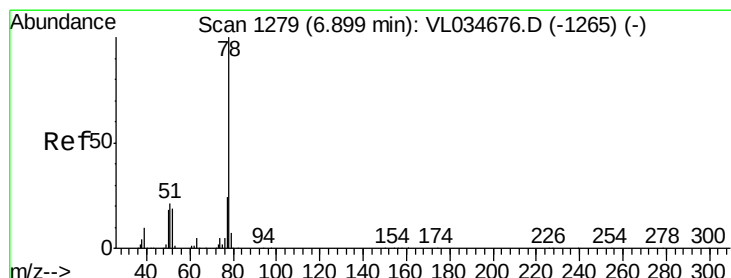
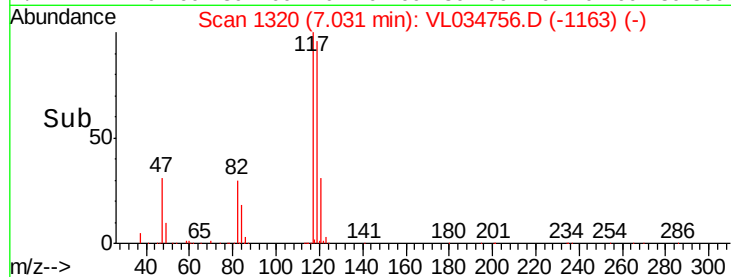
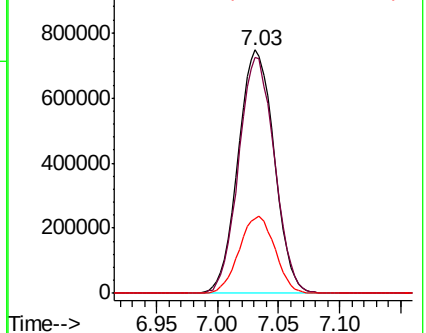
121 30.9 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.407 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

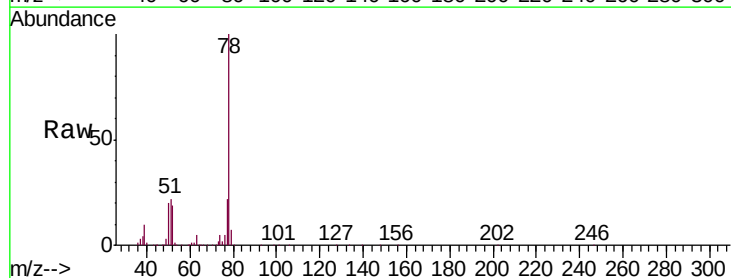
Tgt Ion: 78 Resp: 1977086

Ion Ratio Lower Upper

78 100

77 22.4 19.5 29.3

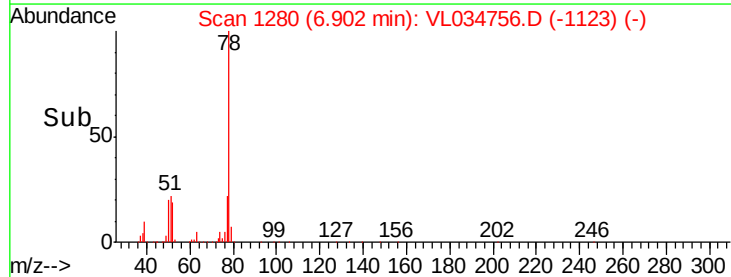
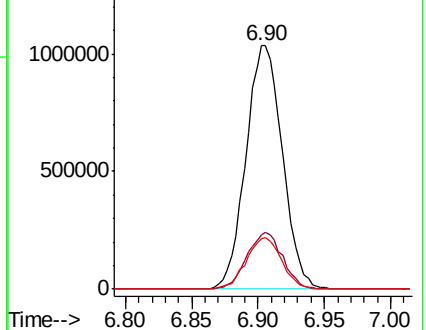
50 20.4 14.6 21.8

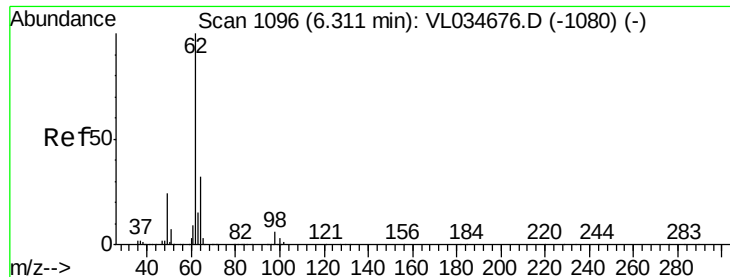


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

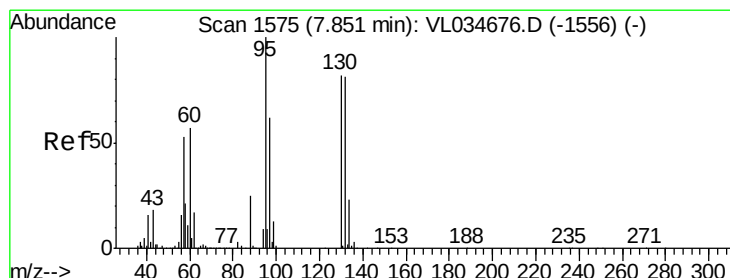
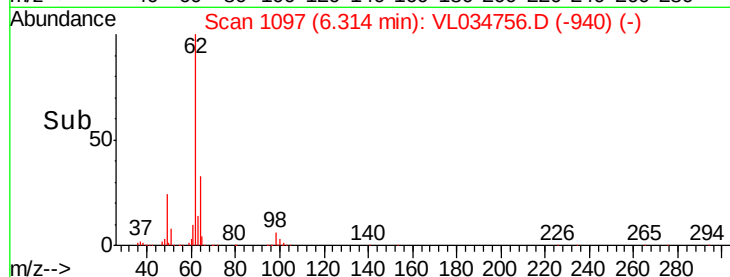
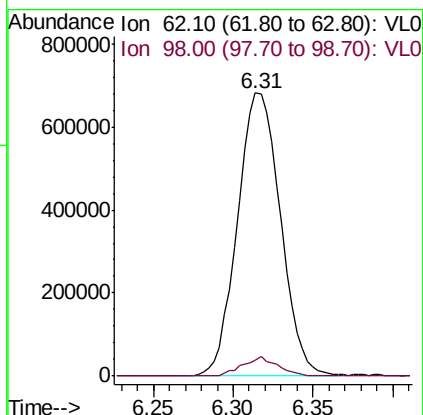
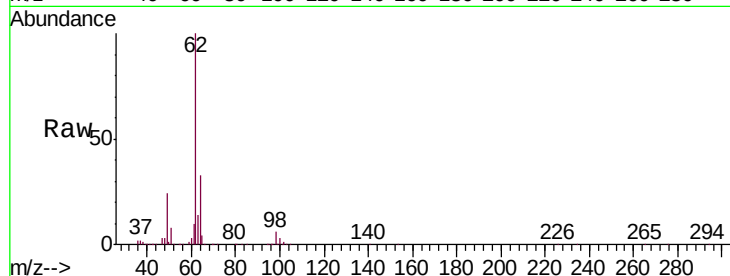




#37
 1,2-Dichloroethane
 Concen: 11.423 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

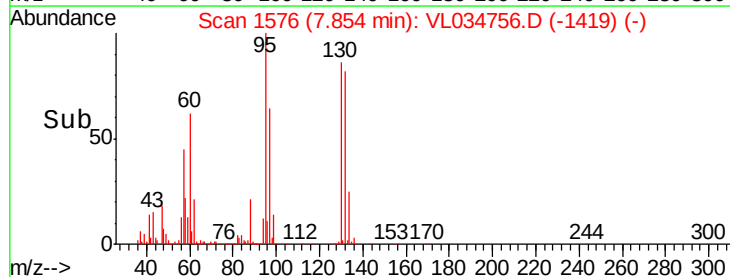
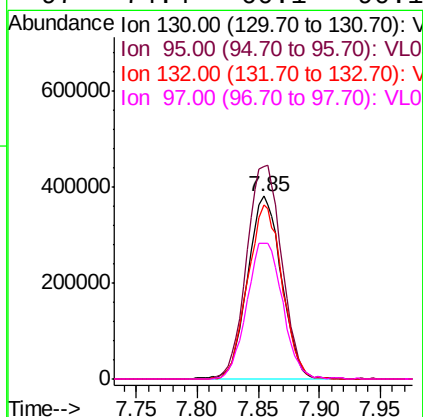
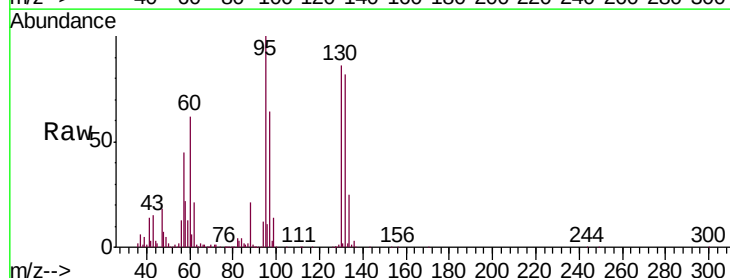
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

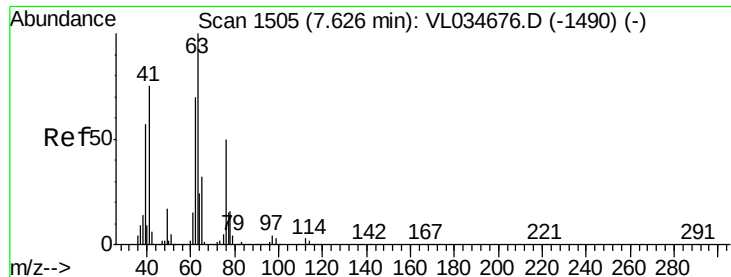
Tgt Ion: 62 Resp: 1248057
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.7 7.1



#38
 Trichloroethene
 Concen: 10.845 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 130 Resp: 724552
 Ion Ratio Lower Upper
 130 100
 95 116.4 97.1 145.7
 132 95.6 78.3 117.5
 97 74.4 60.1 90.1





#39

1,2-Dichloropropane

Concen: 11.548 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

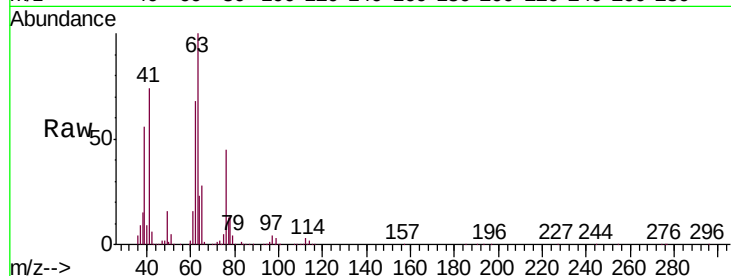
Tgt Ion: 63 Resp: 796291

Ion Ratio Lower Upper

63 100

41 74.3 60.2 90.4

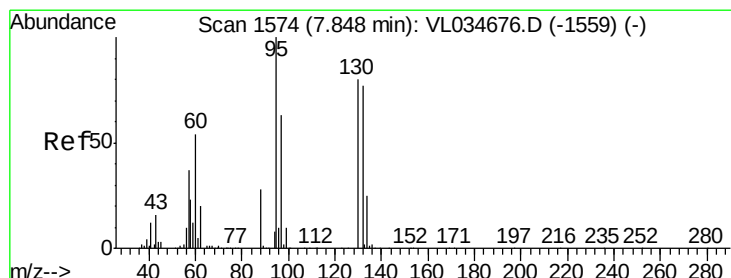
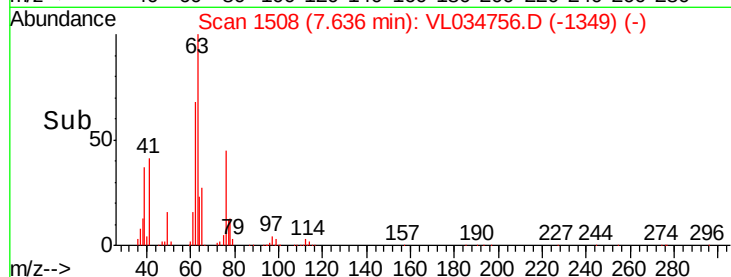
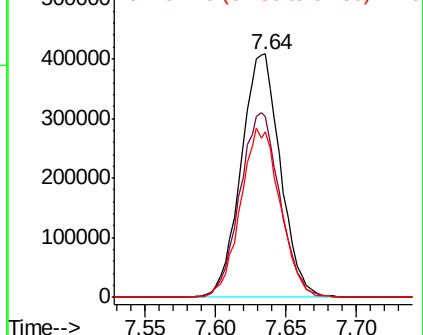
62 67.9 56.3 84.5



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.700 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Tgt Ion: 88 Resp: 250915

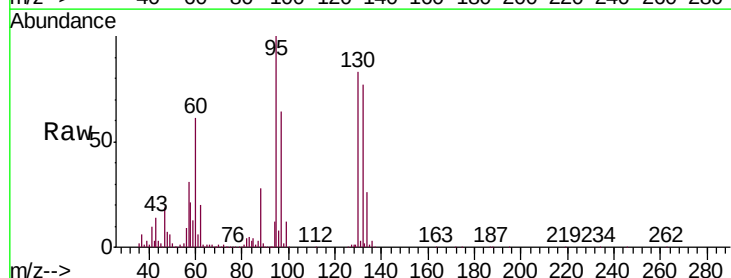
Ion Ratio Lower Upper

88 100

58 144.4 104.6 156.8

43 0.0 212.9 319.3#

57 0.0 935.2 1402.8#

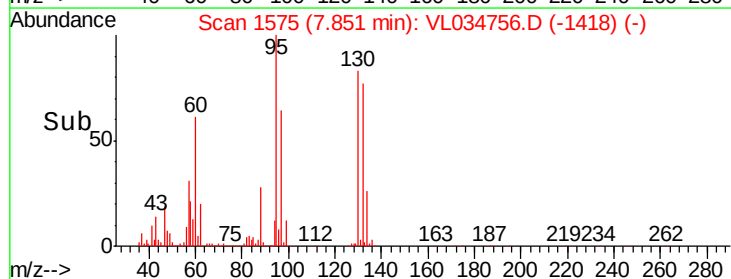
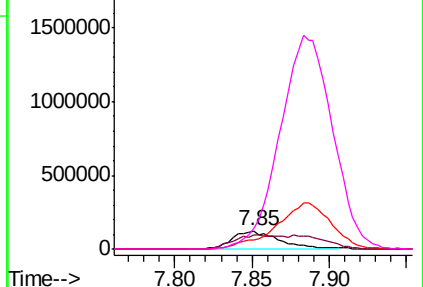


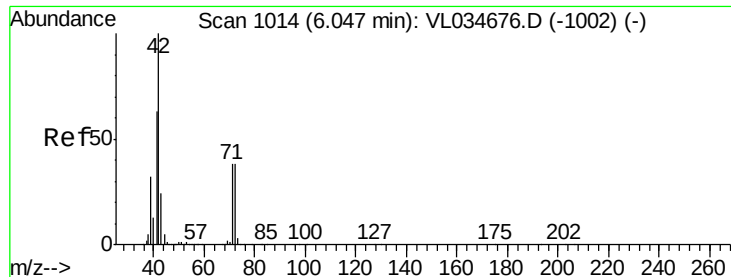
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

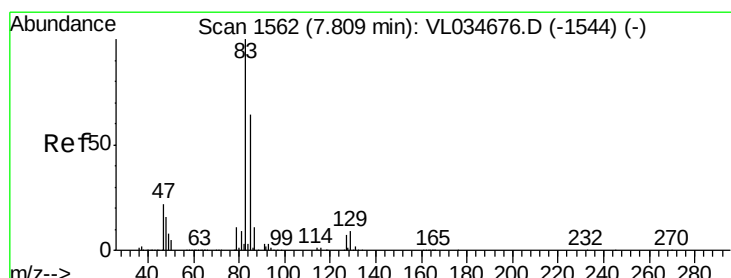
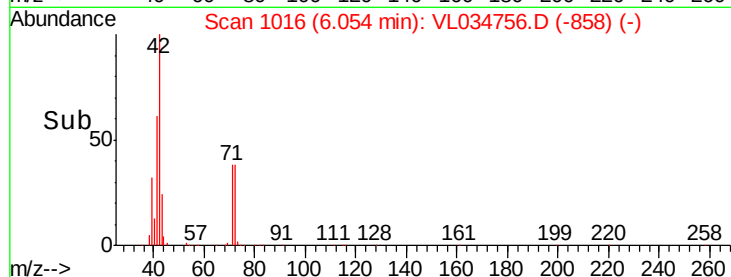
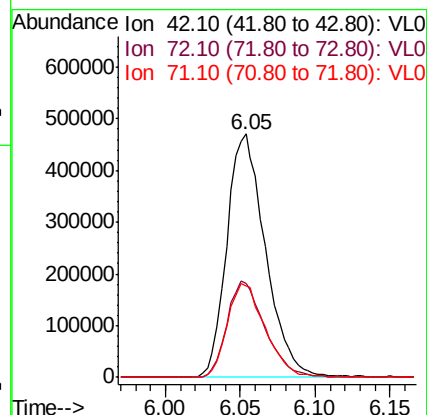
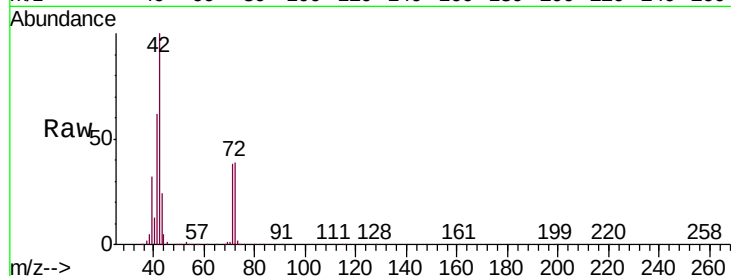




#41
Tetrahydrofuran
Concen: 12.630 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

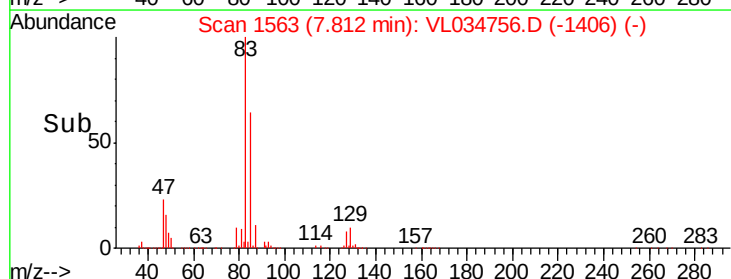
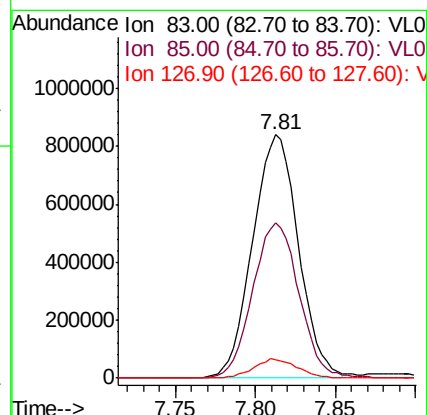
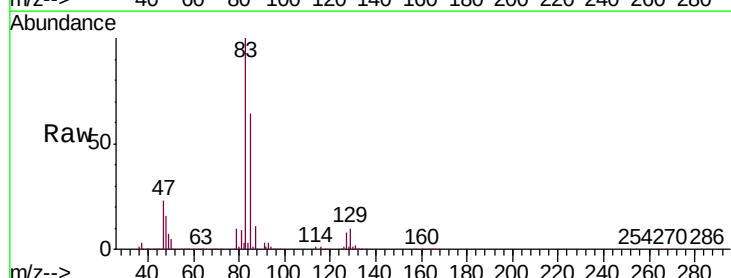
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

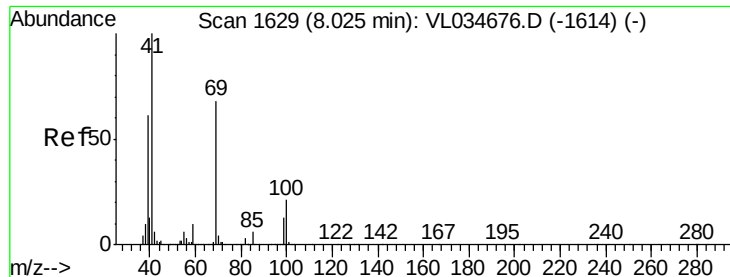
Tgt Ion: 42 Resp: 842082
Ion Ratio Lower Upper
42 100
72 39.3 31.7 47.5
71 38.2 30.7 46.1



#42
Bromodichloromethane
Concen: 11.543 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 83 Resp: 1651078
Ion Ratio Lower Upper
83 100
85 63.9 51.1 76.7
127 7.7 5.8 8.8

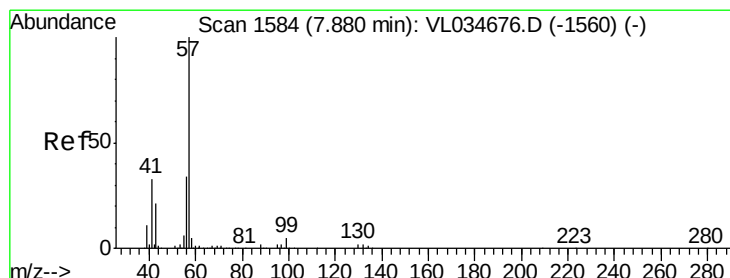
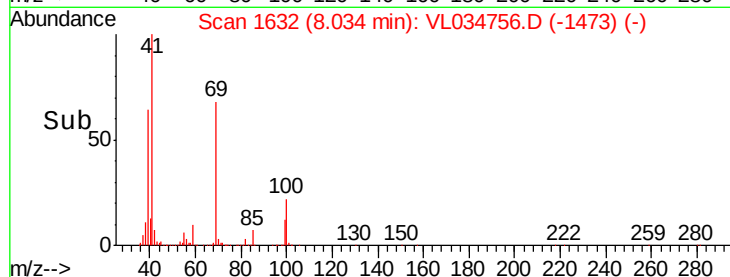
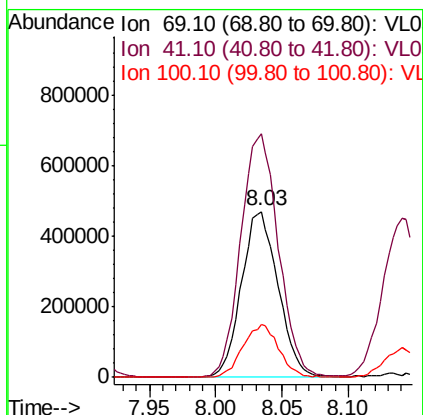
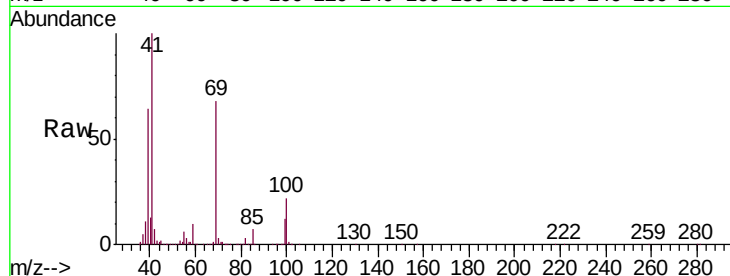




#43
Methyl Methacrylate
Concen: 12.378 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

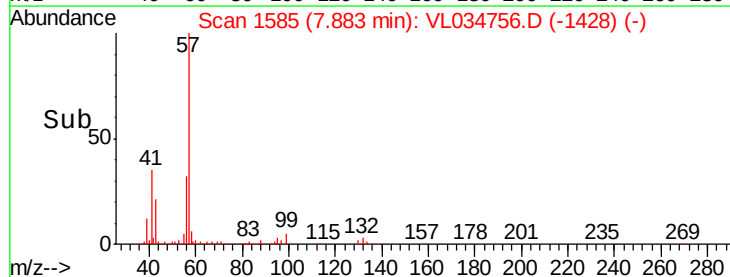
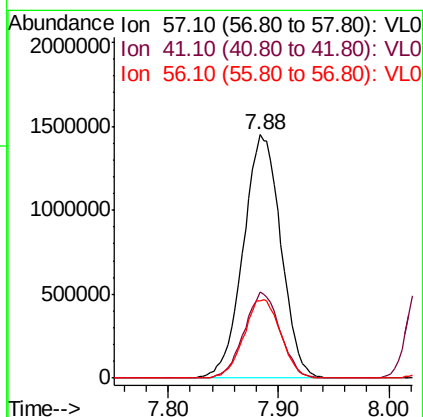
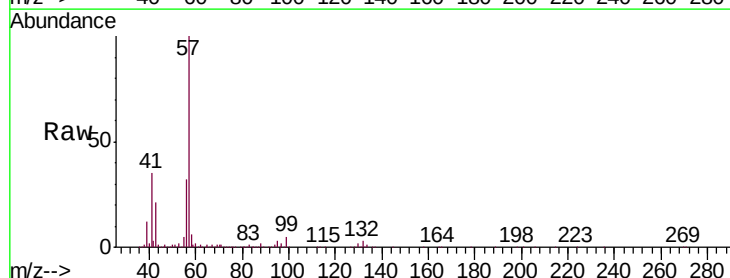
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

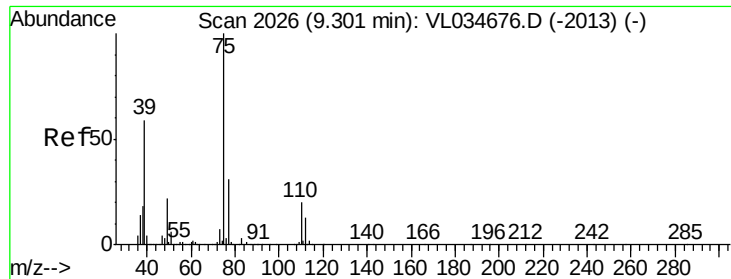
Tgt Ion: 69 Resp: 902354
Ion Ratio Lower Upper
69 100
41 150.5 118.2 177.2
100 31.1 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 11.277 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 57 Resp: 3416149
Ion Ratio Lower Upper
57 100
41 33.8 26.0 39.0
56 31.8 25.6 38.4

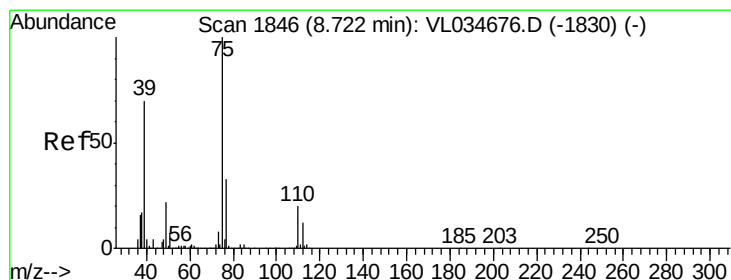
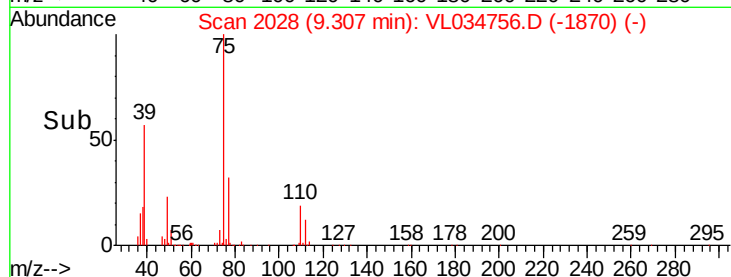
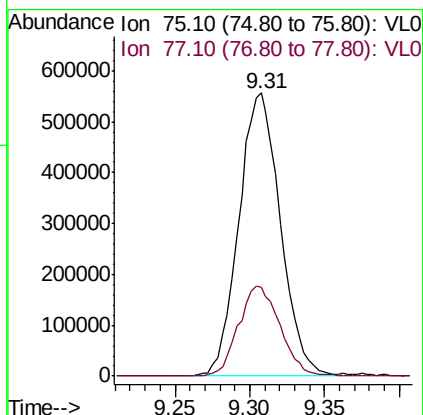
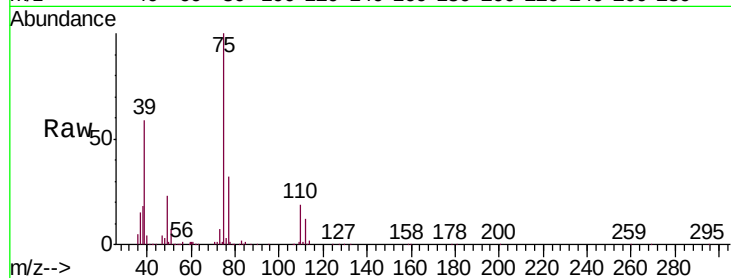




#45
 t-1,3-Dichloropropene
 Concen: 13.463 ppbv
 RT: 9.31 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

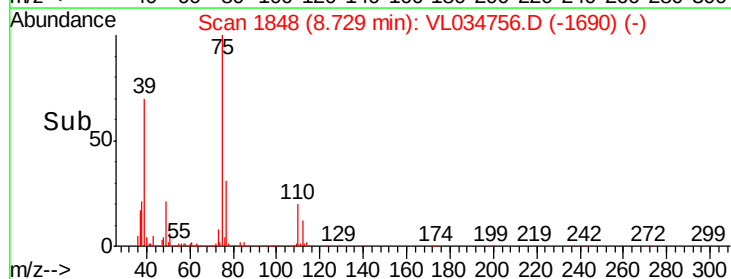
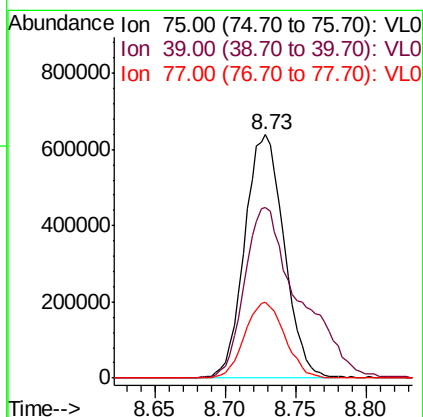
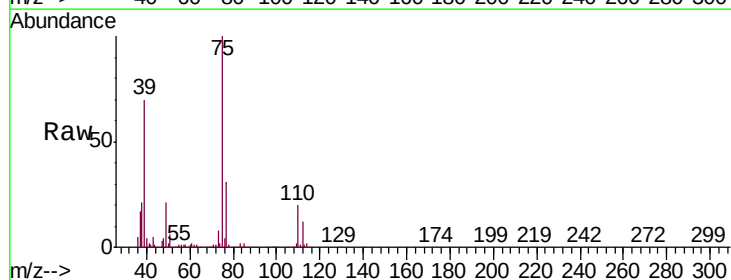
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

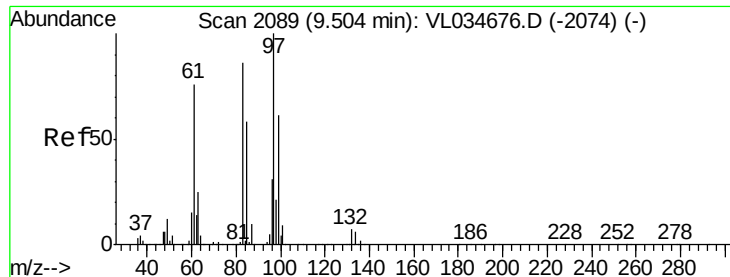
Tgt Ion: 75 Resp: 1071003
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 13.115 ppbv
 RT: 8.73 min Scan# 1848
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 75 Resp: 1251304
 Ion Ratio Lower Upper
 75 100
 39 69.8 55.7 83.5
 77 31.2 26.3 39.5

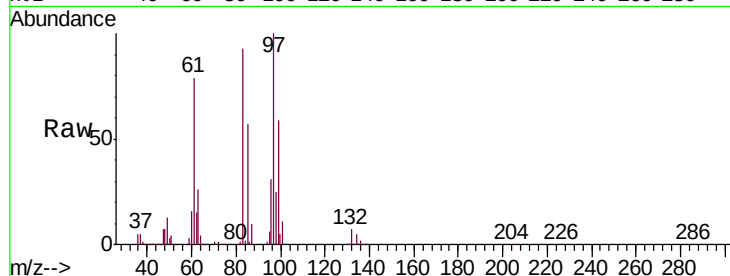




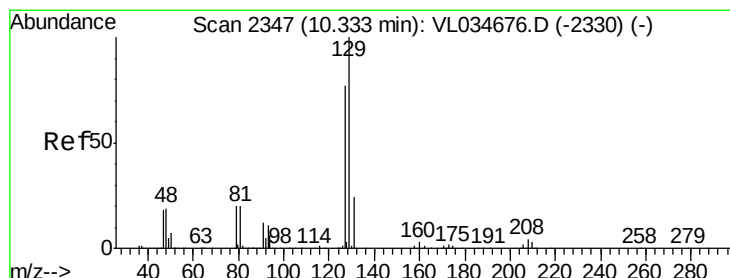
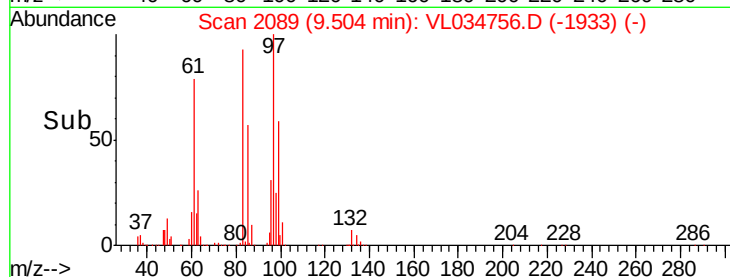
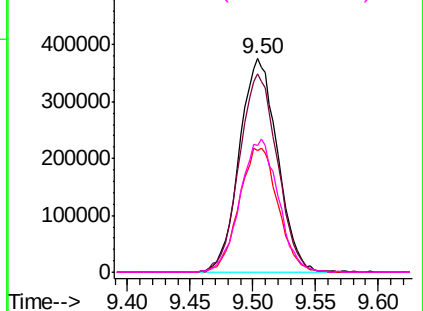
#47
 1,1,2-Trichloroethane
 Concen: 11.198 ppbv
 RT: 9.50 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 792188
 Ion Ratio Lower Upper
 97 100
 83 92.6 69.4 104.0
 85 56.8 46.4 69.6
 99 59.3 48.4 72.6

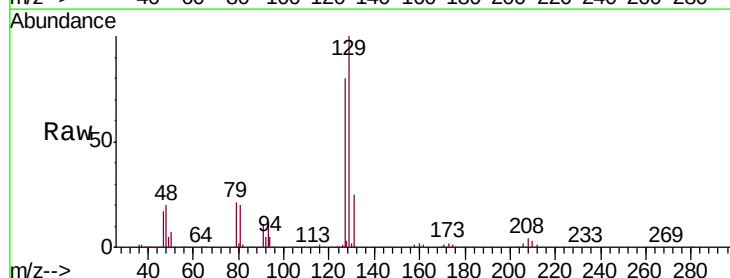


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

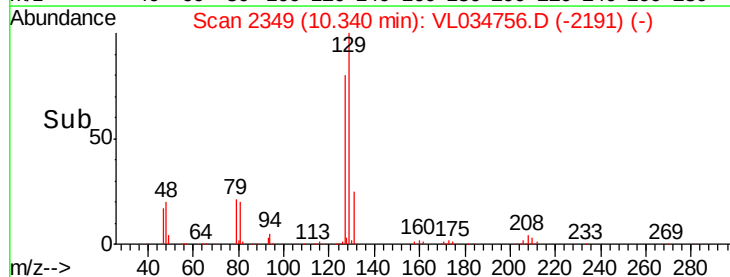
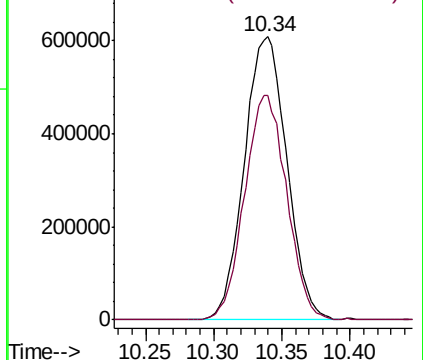


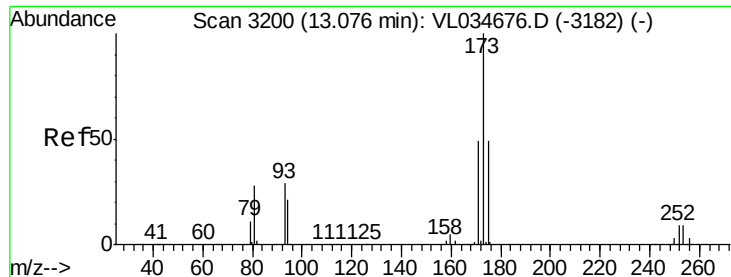
#48
 Dibromochloromethane
 Concen: 11.995 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 129 Resp: 1319496
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.3 117.8



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





#49

Bromoform

Concen: 11.822 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

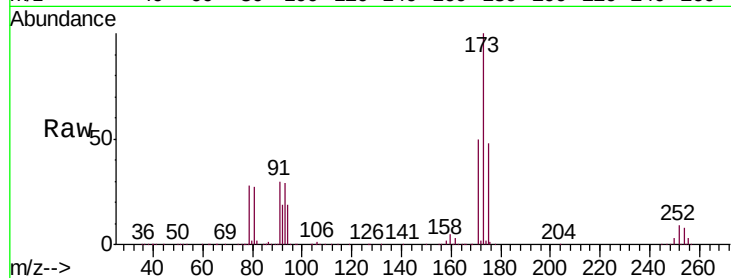
Tgt Ion:173 Resp: 1127548

Ion Ratio Lower Upper

173 100

175 49.4 38.6 58.0

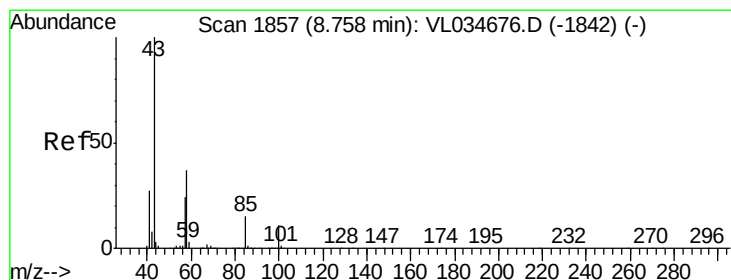
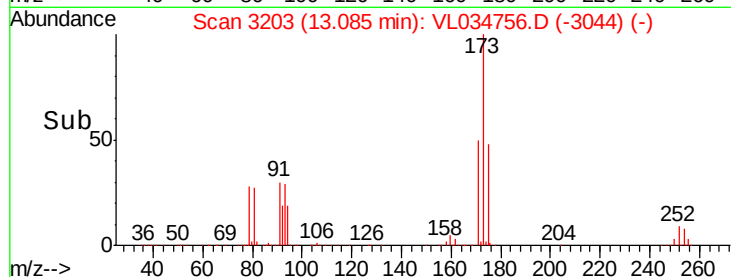
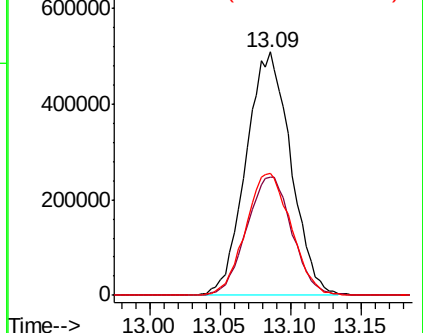
171 51.3 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.196 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034756.D

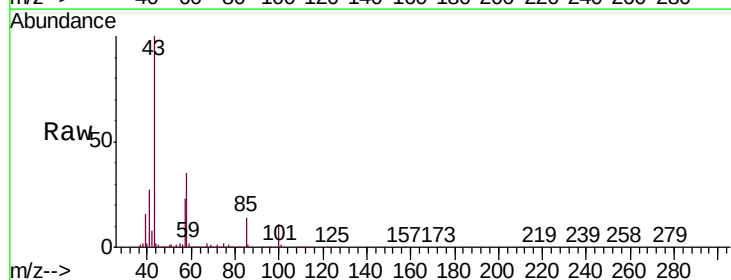
Acq: 29 Feb 2020 3:44

Tgt Ion: 43 Resp: 2181976

Ion Ratio Lower Upper

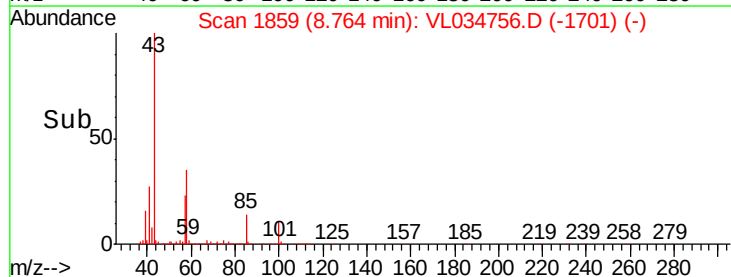
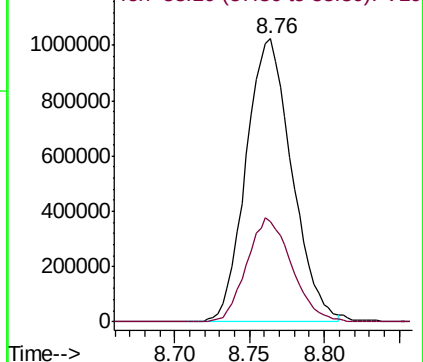
43 100

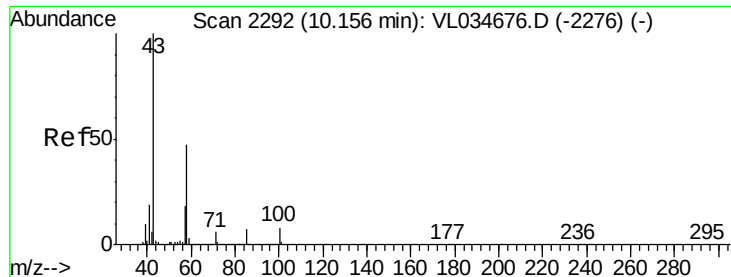
58 36.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

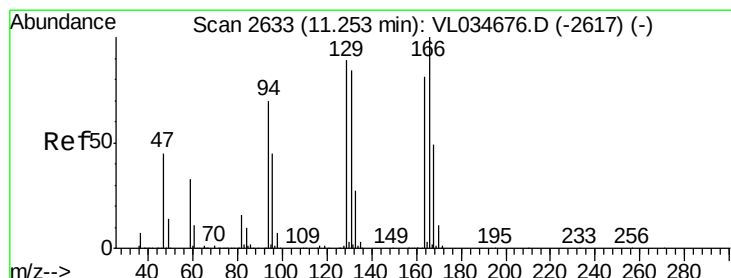
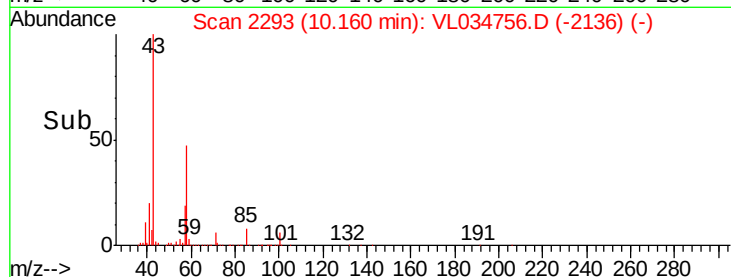
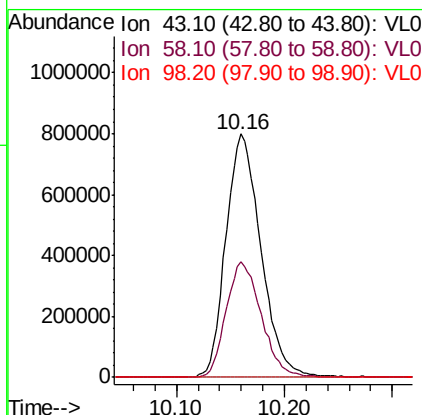
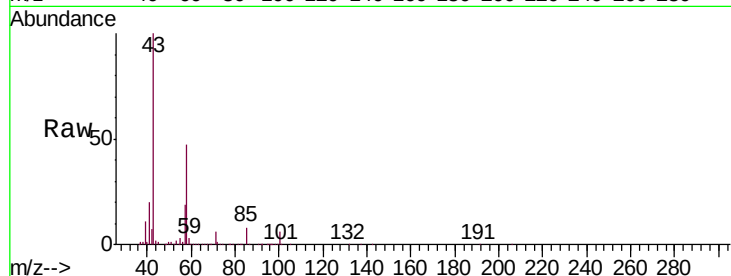




#51
2-Hexanone
Concen: 12.829 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

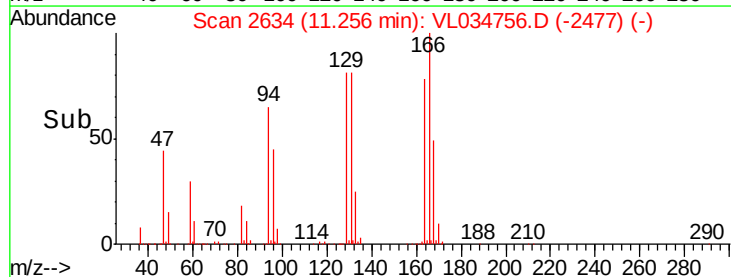
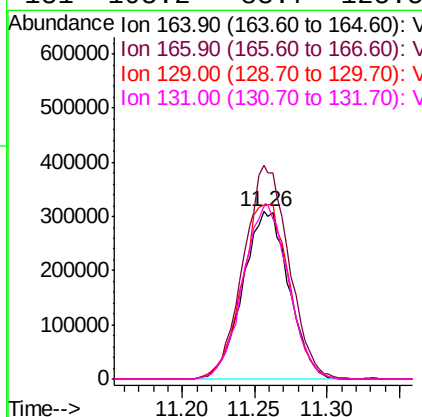
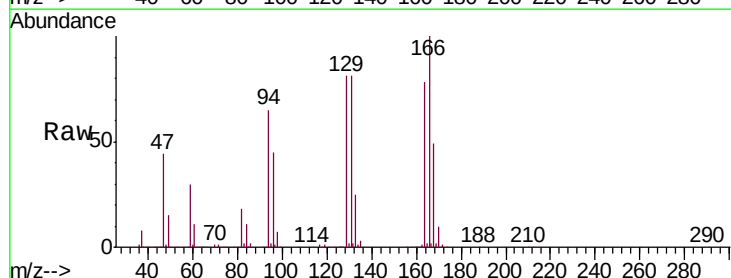
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

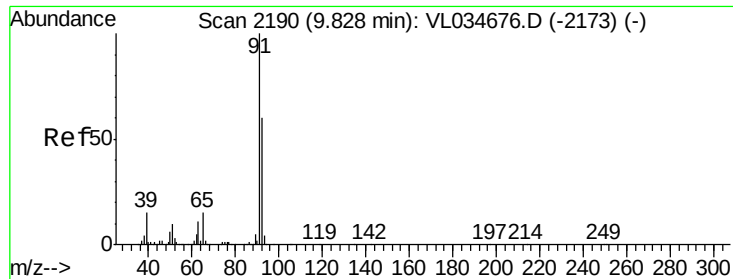
Tgt Ion: 43 Resp: 1806180
Ion Ratio Lower Upper
43 100
58 47.9 39.4 59.0
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.743 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 164 Resp: 682501
Ion Ratio Lower Upper
164 100
166 127.3 99.2 148.8
129 103.5 88.0 132.0
131 103.2 83.7 125.5





#53

Toluene

Concen: 12.198 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

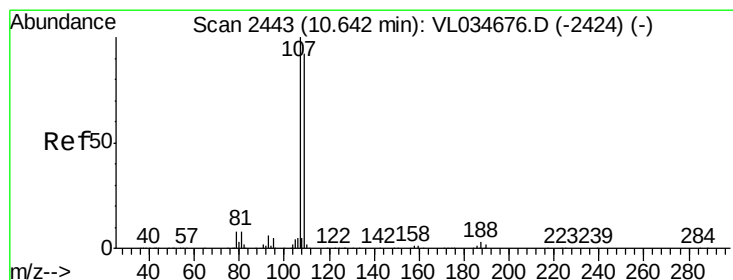
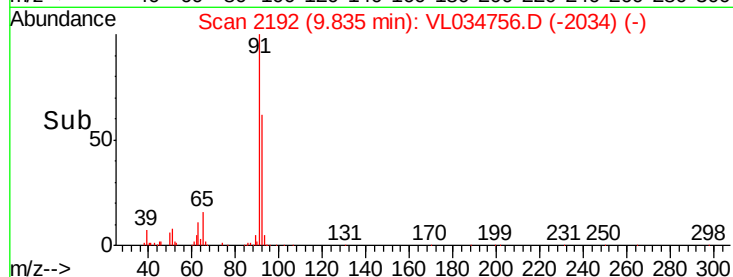
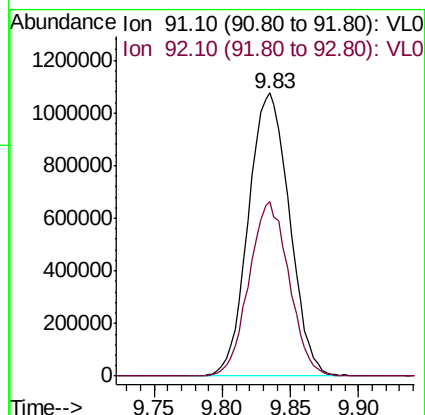
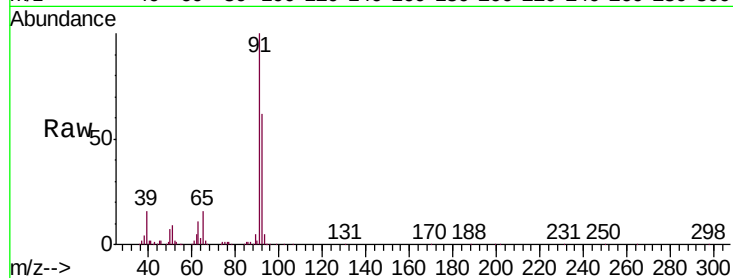
VSTDCCC010EC

Tgt Ion: 91 Resp: 2248667

Ion Ratio Lower Upper

91 100

92 60.1 48.5 72.7



#54

1,2-Dibromoethane

Concen: 11.459 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034756.D

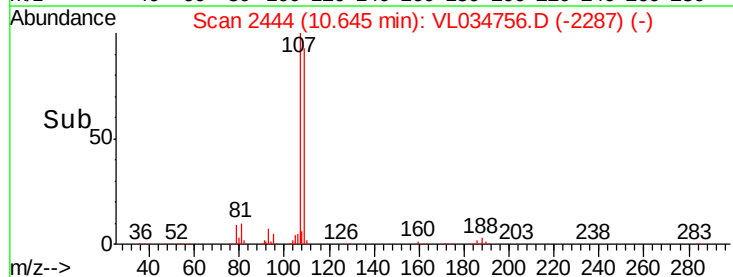
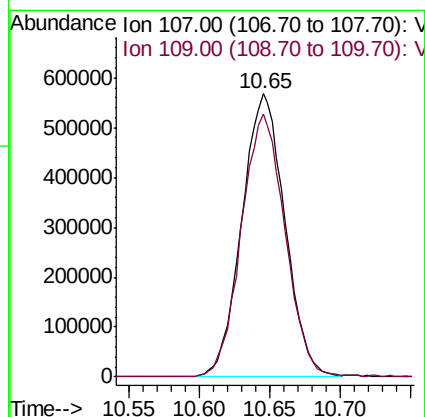
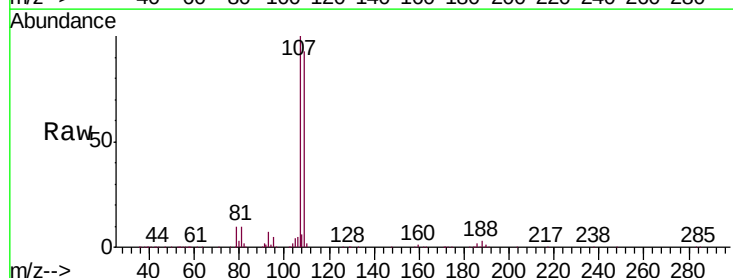
Acq: 29 Feb 2020 3:44

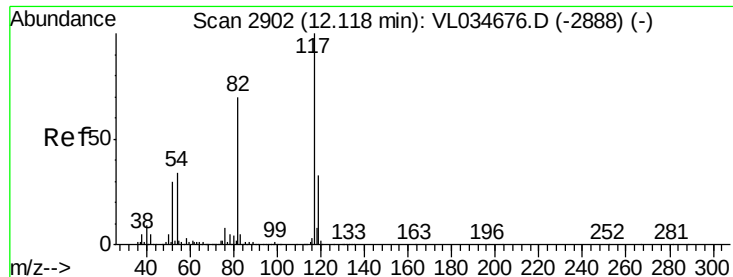
Tgt Ion: 107 Resp: 1209387

Ion Ratio Lower Upper

107 100

109 92.9 73.9 110.9

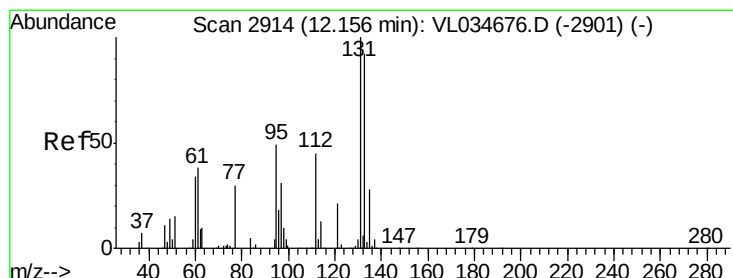
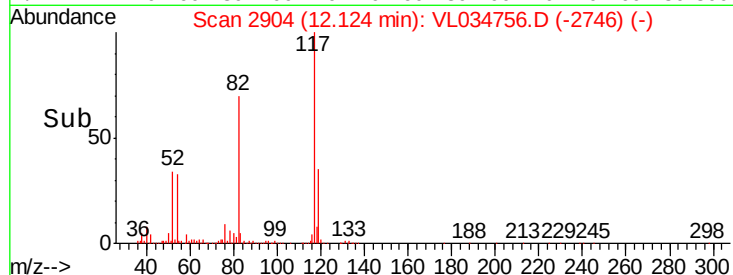
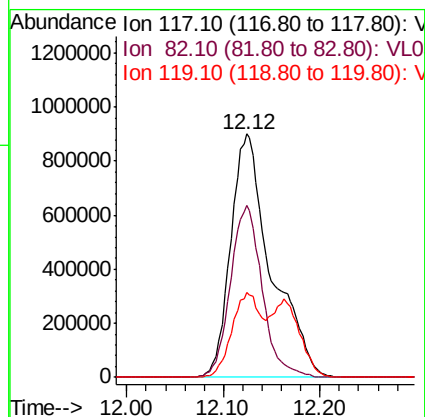
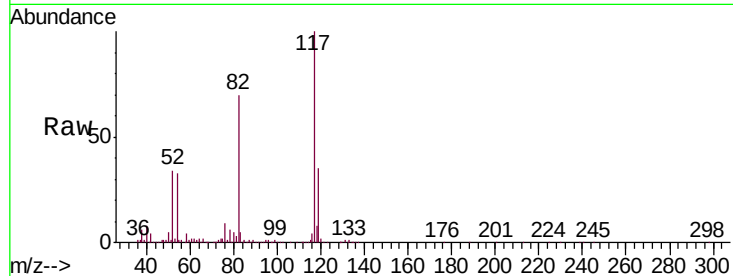




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

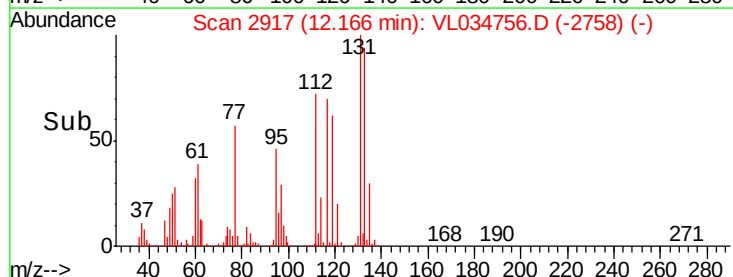
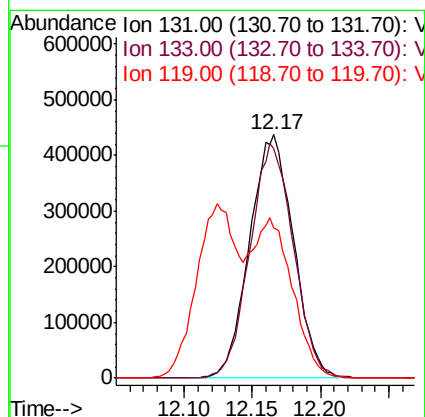
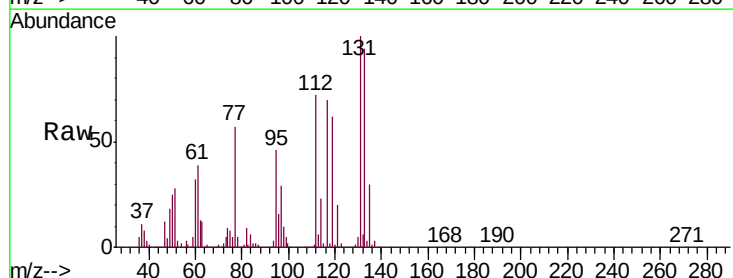
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

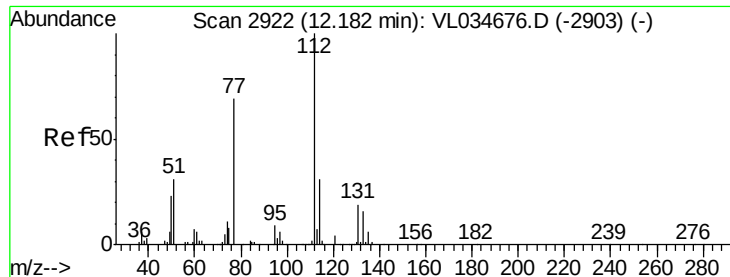
Tgt Ion:117 Resp: 2617759
Ion Ratio Lower Upper
117 100
82 55.6 54.1 81.1
119 23.6 27.6 41.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.747 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion:131 Resp: 975235
Ion Ratio Lower Upper
131 100
133 95.8 76.6 114.8
119 61.8 51.3 76.9

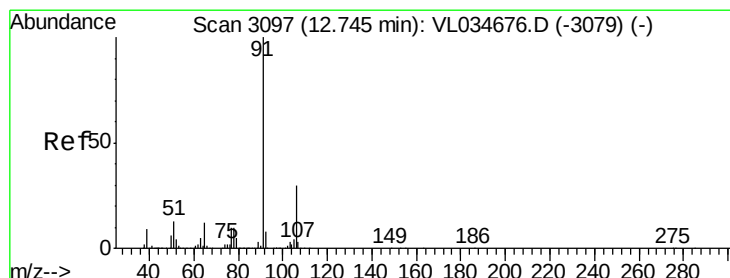
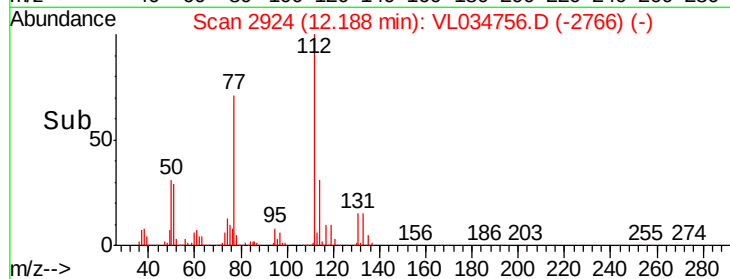
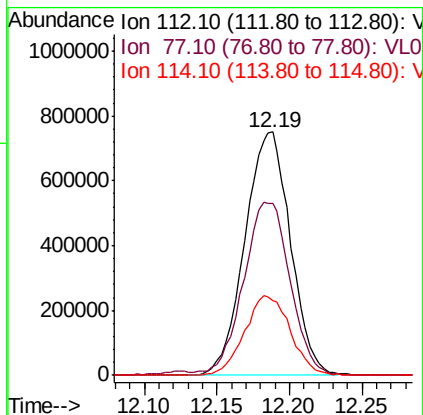
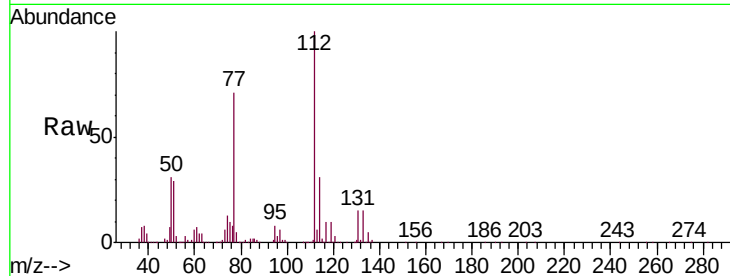




#57
Chlorobenzene
Concen: 8.474 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

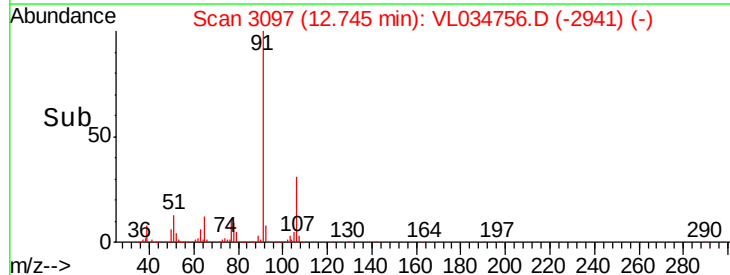
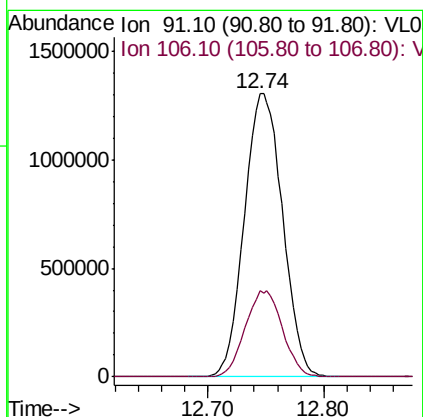
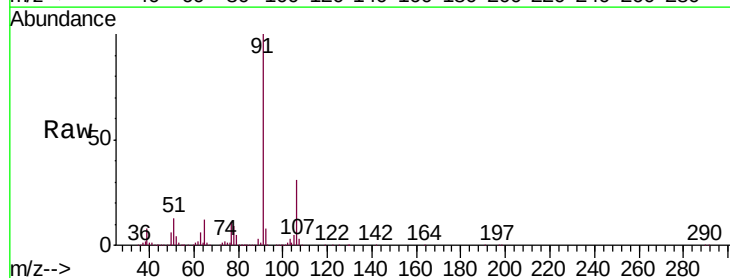
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

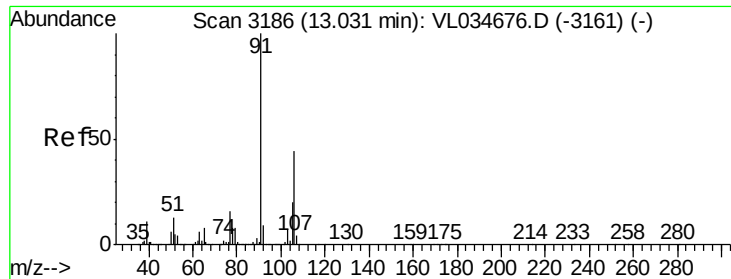
Tgt Ion: 112 Resp: 1639605
Ion Ratio Lower Upper
112 100
77 69.9 56.5 84.7
114 30.5 28.1 34.3



#58
Ethyl Benzene
Concen: 9.430 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 91 Resp: 2986546
Ion Ratio Lower Upper
91 100
106 30.6 24.0 36.0





#59

m/p-Xylene

Concen: 7.838 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

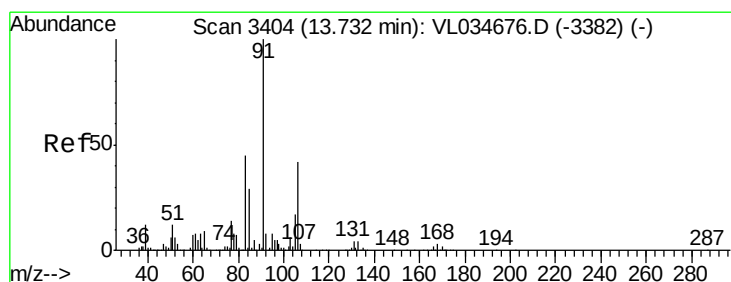
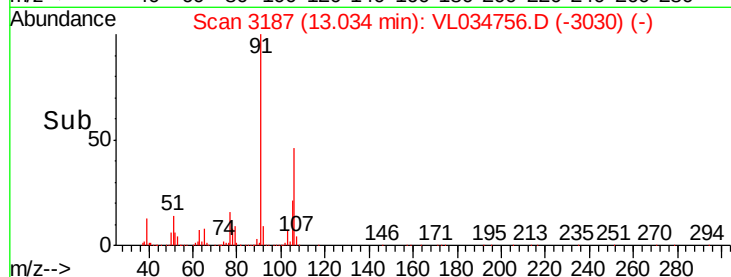
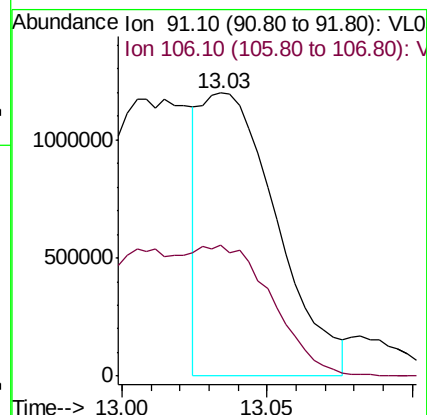
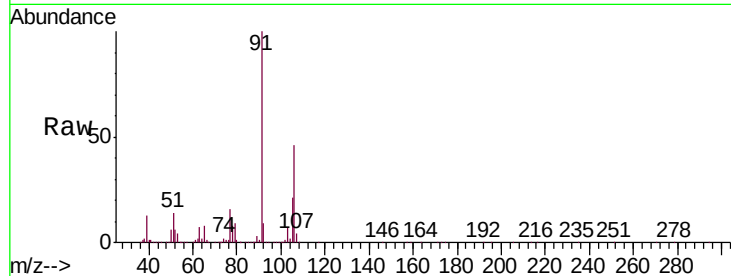
VSTDCCC010EC

Tgt Ion: 91 Resp: 2165012

Ion Ratio Lower Upper

91 100

106 100.4 35.6 53.4#



#60

o-Xylene

Concen: 8.754 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.00 min

Lab File: VL034756.D

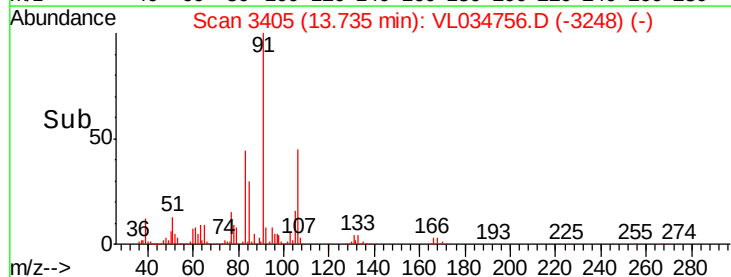
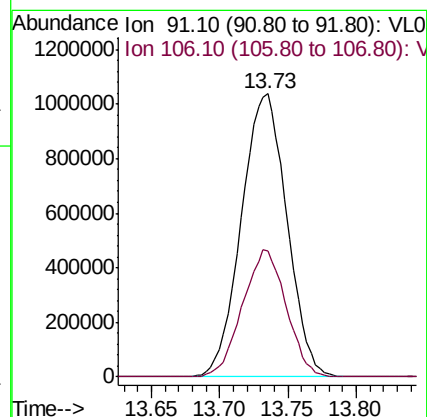
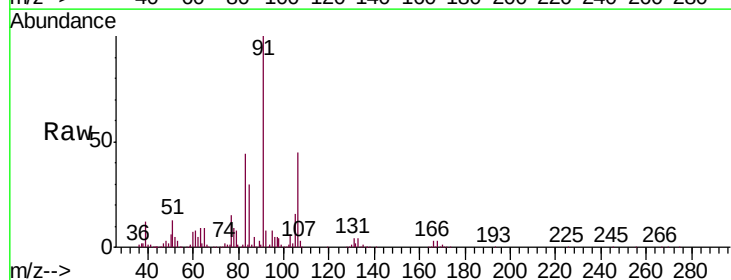
Acq: 29 Feb 2020 3:44

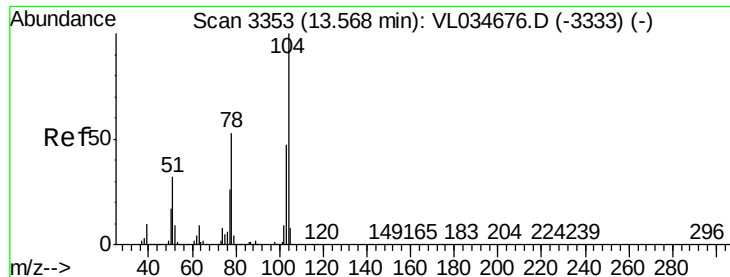
Tgt Ion: 91 Resp: 2399651

Ion Ratio Lower Upper

91 100

106 43.3 21.9 65.5





#61

Styrene

Concen: 9.775 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

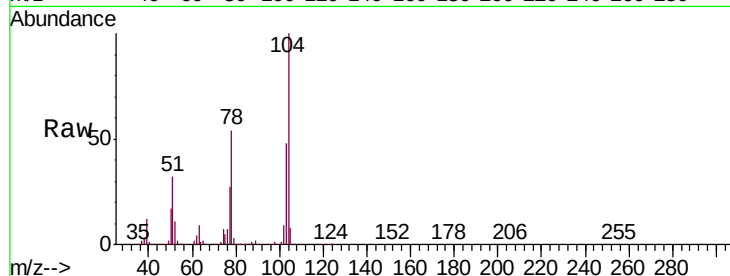
Tgt Ion:104 Resp: 1721228

Ion Ratio Lower Upper

104 100

78 55.5 44.2 66.4

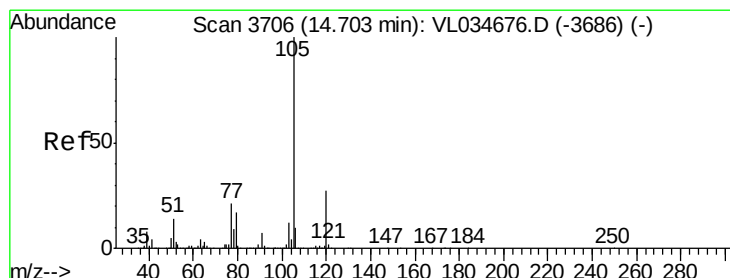
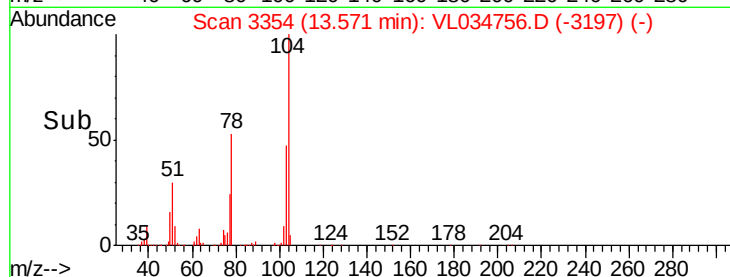
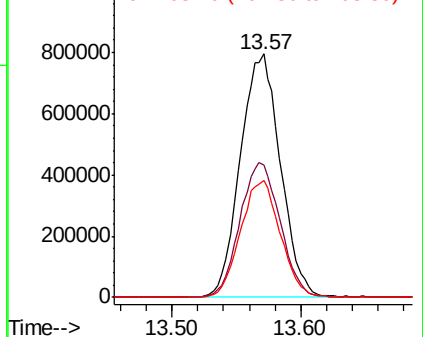
103 47.7 37.4 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.760 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.01 min

Lab File: VL034756.D

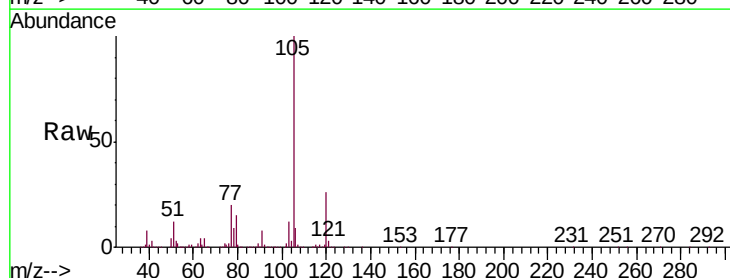
Acq: 29 Feb 2020 3:44

Tgt Ion:105 Resp: 3502865

Ion Ratio Lower Upper

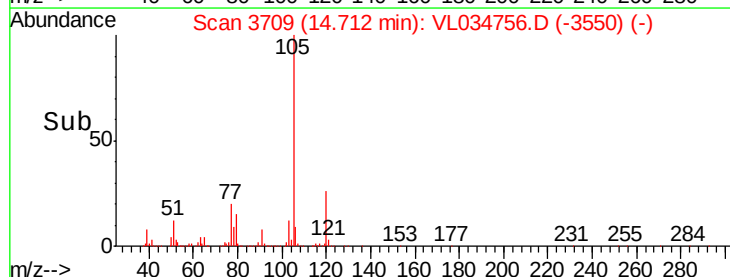
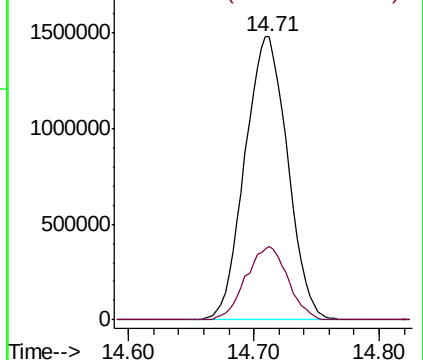
105 100

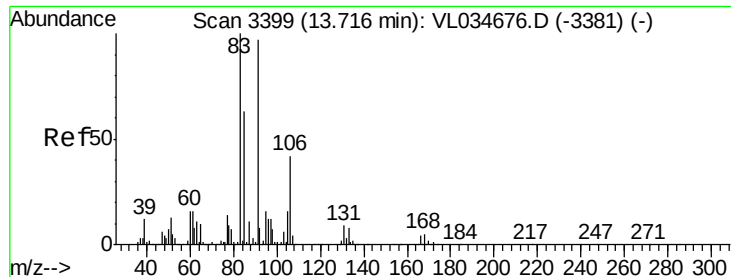
120 25.4 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

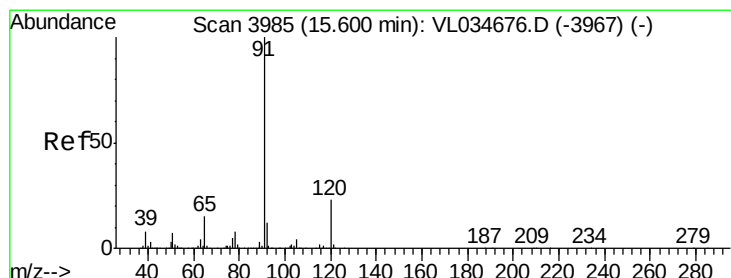
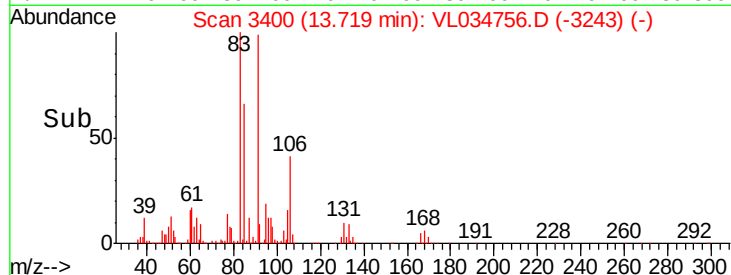
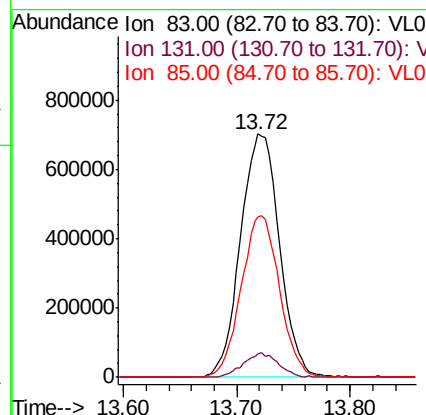
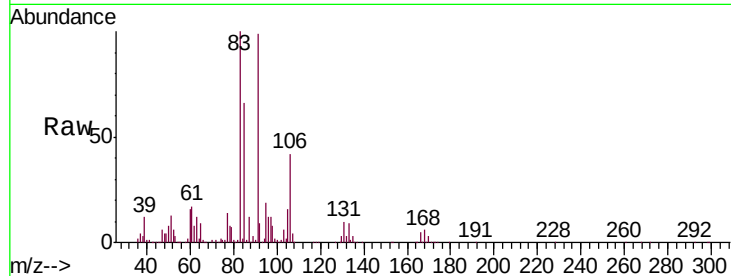




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.891 ppbv
 RT: 13.72 min Scan# 3400
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

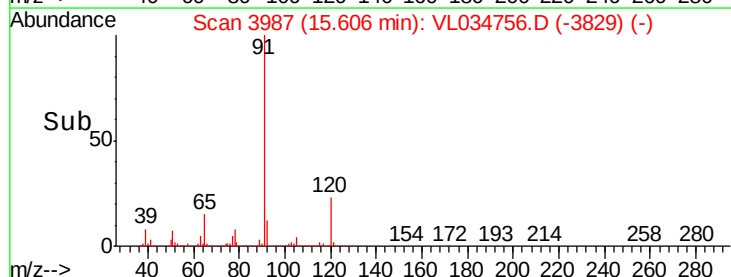
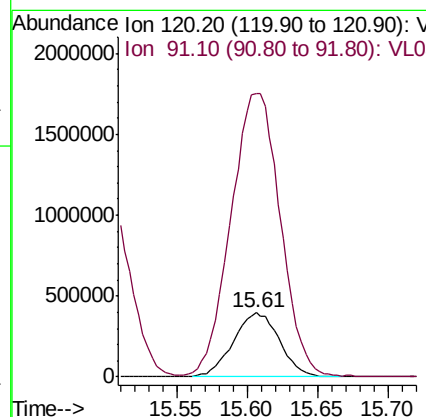
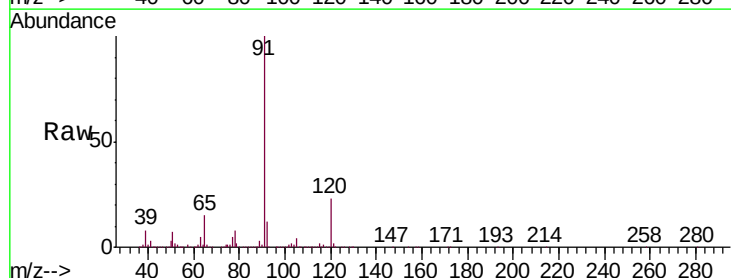
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

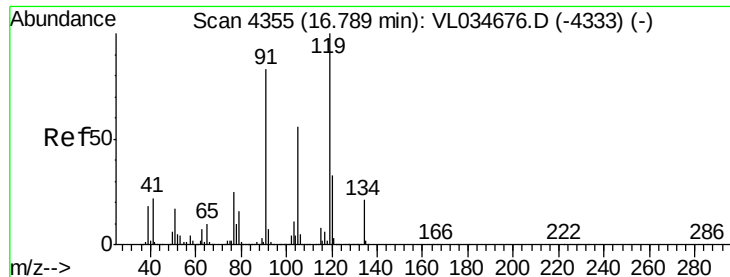
Tgt Ion: 83 Resp: 1685923
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.4 13.2
 85 65.5 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.814 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 120 Resp: 908558
 Ion Ratio Lower Upper
 120 100
 91 474.7 369.8 554.8

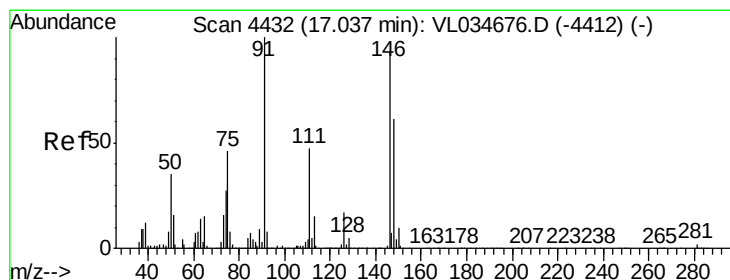
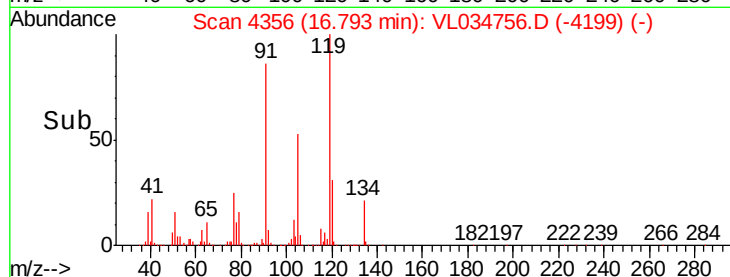
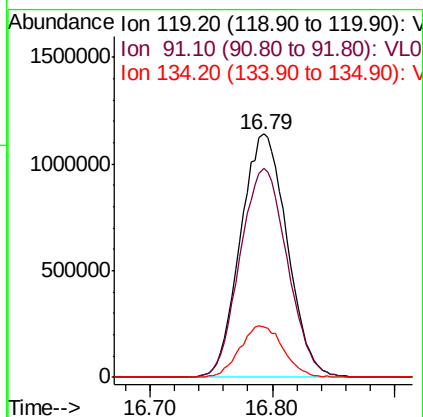
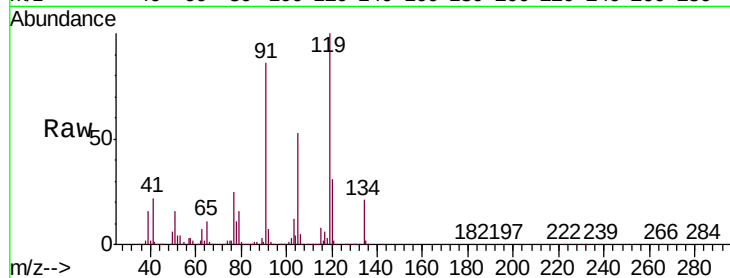




#65
tert-Butylbenzene
Concen: 8.742 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

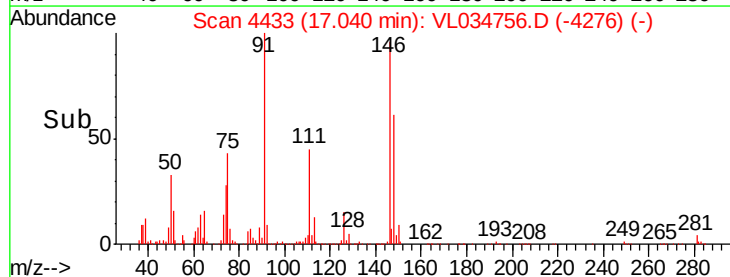
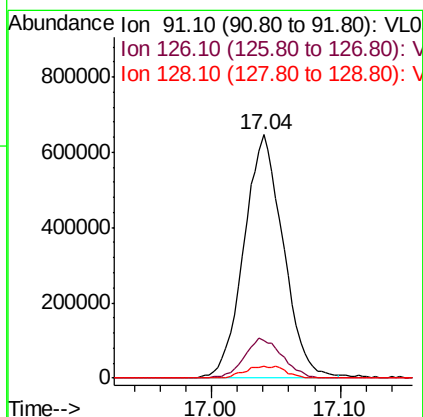
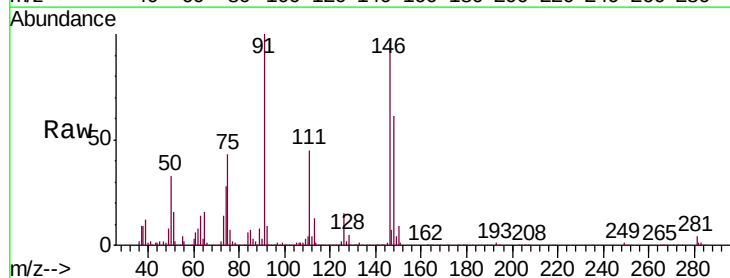
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

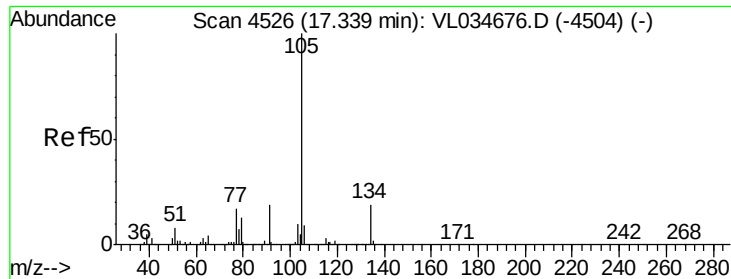
Tgt Ion: 119 Resp: 3018347
Ion Ratio Lower Upper
119 100
91 87.3 69.1 103.7
134 19.6 15.8 23.8



#66
Benzyl Chloride
Concen: 10.634 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion: 91 Resp: 1369601
Ion Ratio Lower Upper
91 100
126 16.0 13.5 20.3
128 5.2 4.2 6.4





#67

sec-Butylbenzene

Concen: 8.771 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

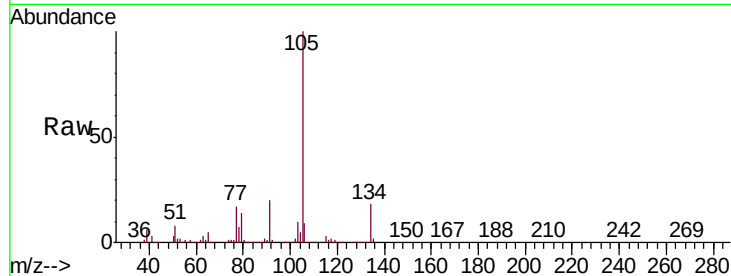
VSTDCCC010EC

Tgt Ion:105 Resp: 4357906

Ion Ratio Lower Upper

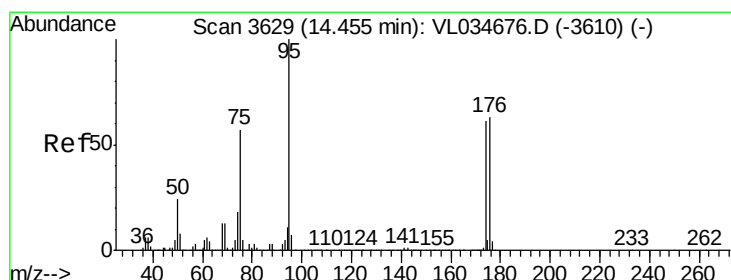
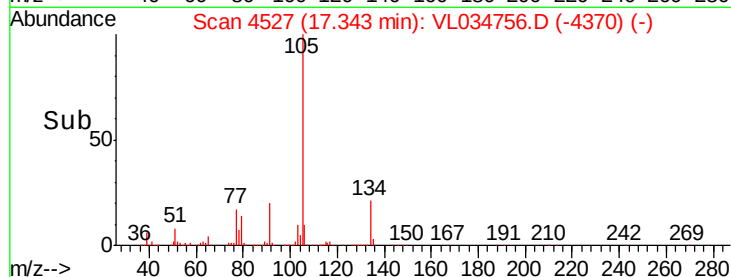
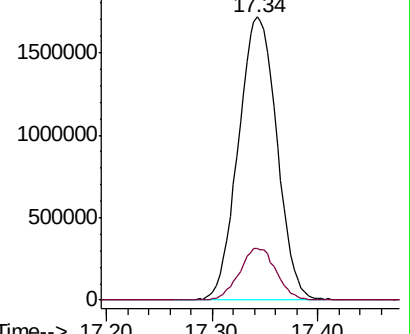
105 100

134 17.5 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.011 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

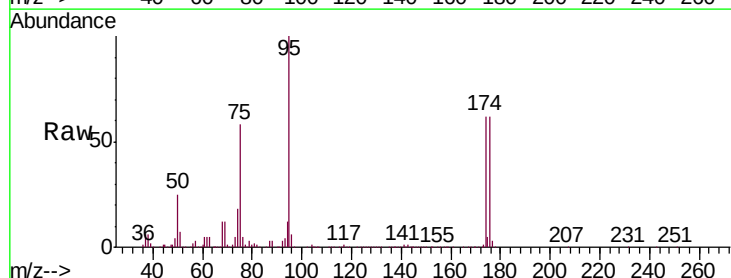
Tgt Ion: 95 Resp: 1719506

Ion Ratio Lower Upper

95 100

174 63.2 50.7 76.1

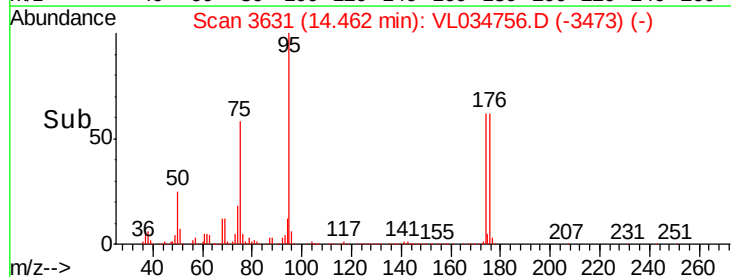
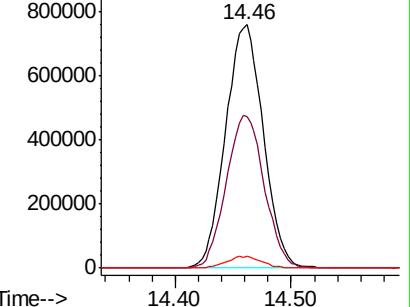
175 4.6 3.9 5.9

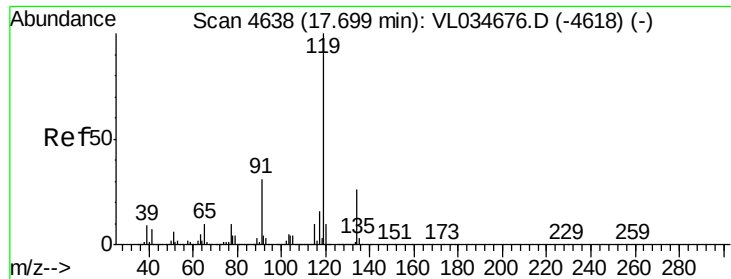


Abundance Ion 95.10 (94.80 to 95.80): VL0

1000000 Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 8.809 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

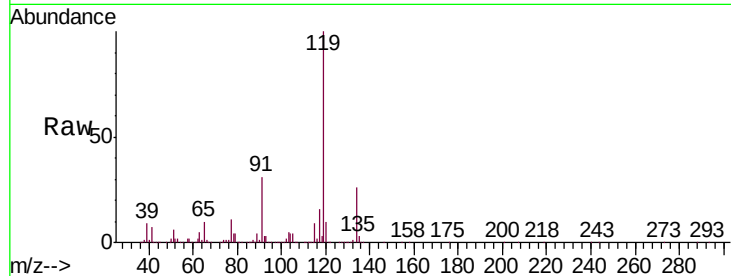
Tgt Ion: 119 Resp: 3602778

Ion Ratio Lower Upper

119 100

134 25.2 20.6 31.0

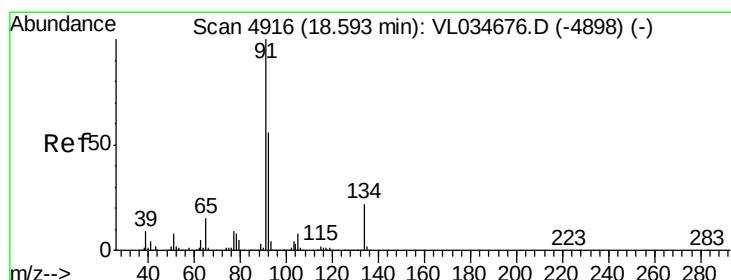
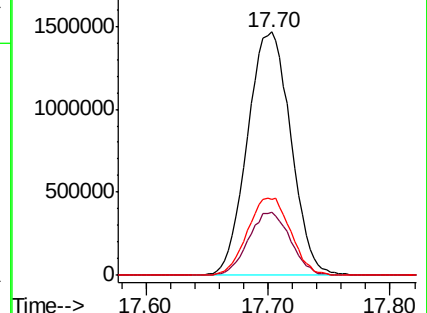
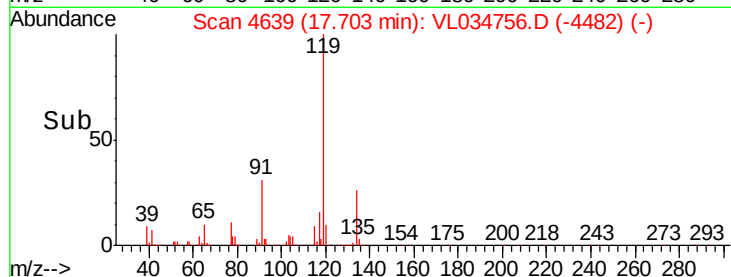
91 31.8 25.3 37.9



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: 8.750 ppbv

RT: 18.60 min Scan# 4918

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

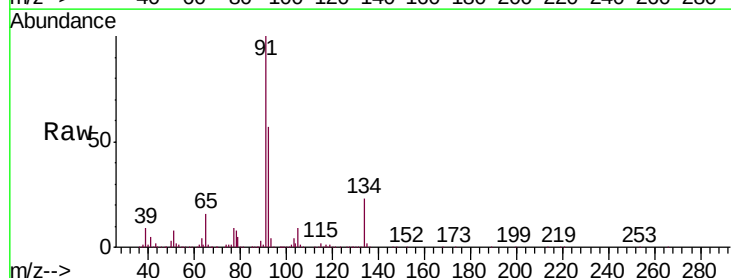
Tgt Ion: 91 Resp: 3897105

Ion Ratio Lower Upper

91 100

92 55.2 43.8 65.6

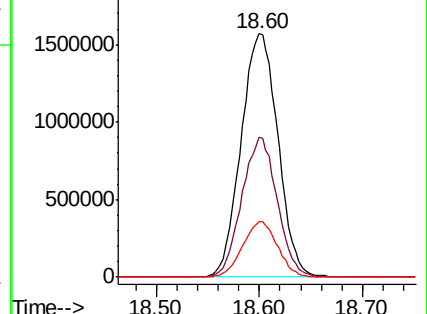
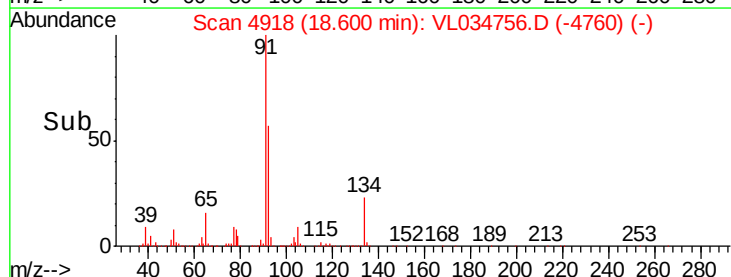
134 21.8 17.6 26.4

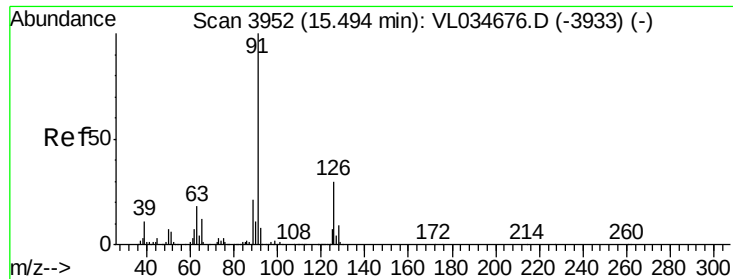


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

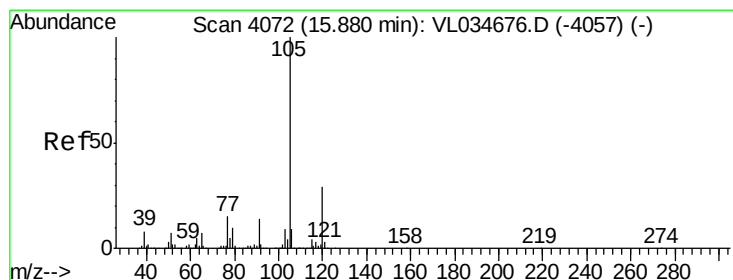
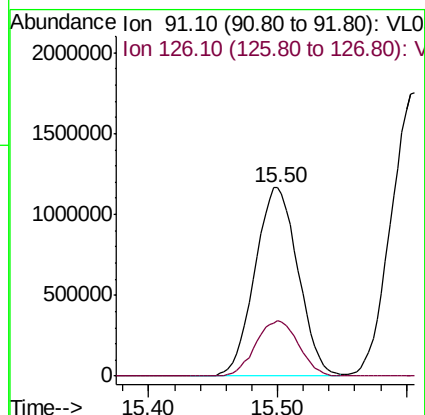
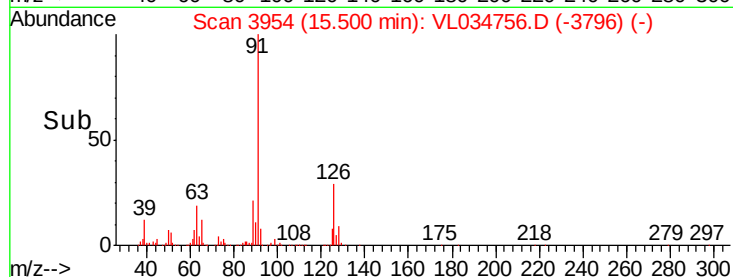
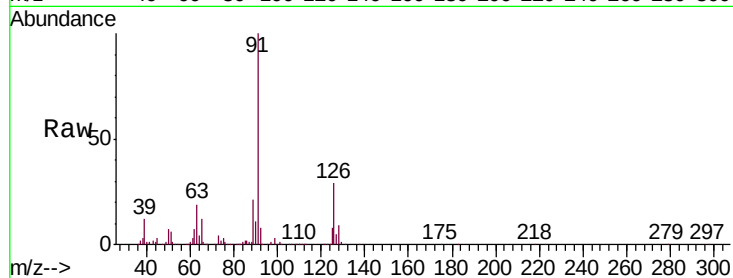




#71
 2-Chlorotoluene
 Concen: 8.797 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

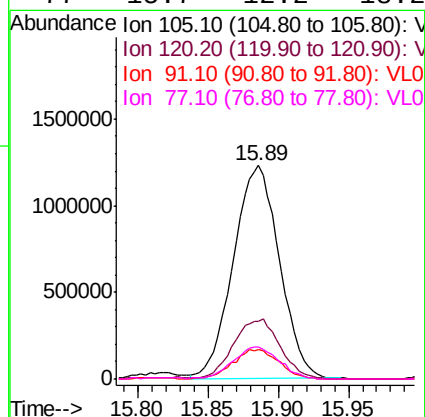
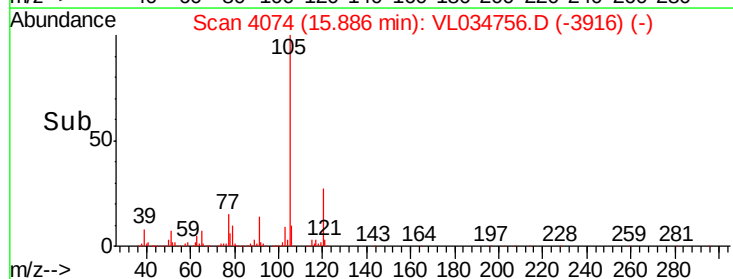
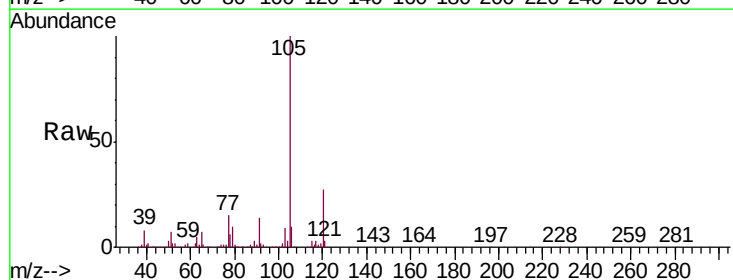
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

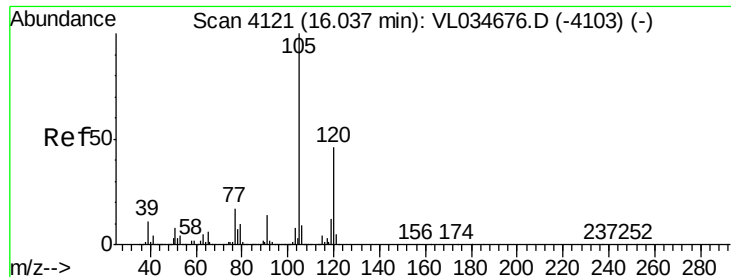
Tgt Ion: 91 Resp: 2724516
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.2



#72
 4-Ethyltoluene
 Concen: 9.238 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion: 105 Resp: 2818363
 Ion Ratio Lower Upper
 105 100
 120 28.4 23.7 35.5
 91 13.9 10.9 16.3
 77 15.7 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 9.100 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.01 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Instrument :

MSVOA_L

ClientSampleId :

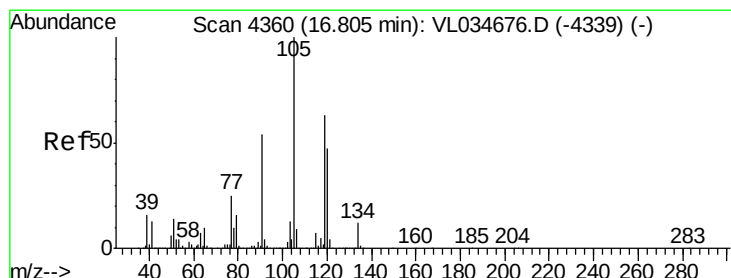
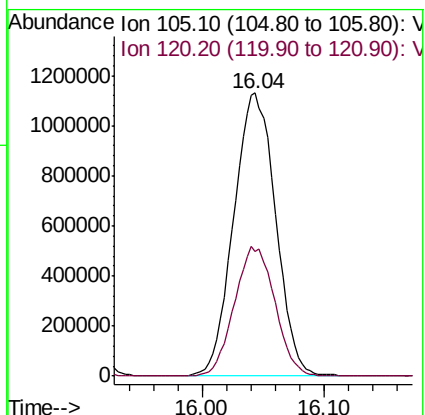
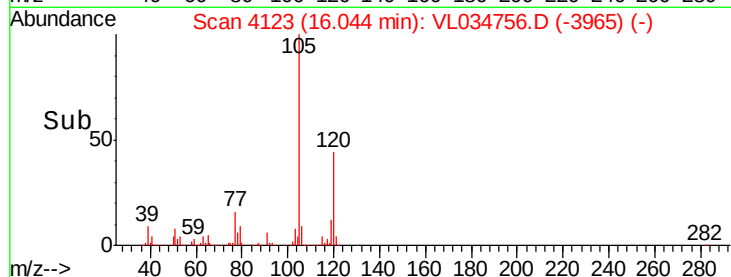
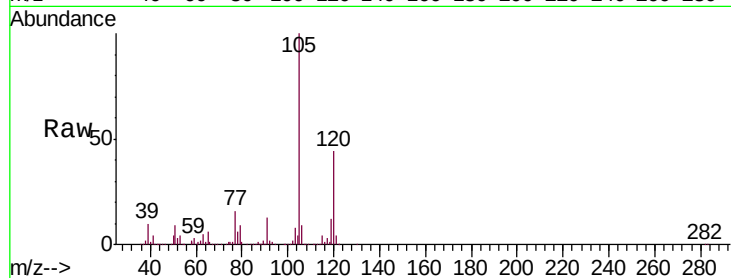
VSTDCCC010EC

Tgt Ion:105 Resp: 2670975

Ion Ratio Lower Upper

105 100

120 44.1 37.1 55.7



#74

1,2,4-Trimethylbenzene

Concen: 8.597 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.00 min

Lab File: VL034756.D

Acq: 29 Feb 2020 3:44

Tgt Ion:105 Resp: 2786545

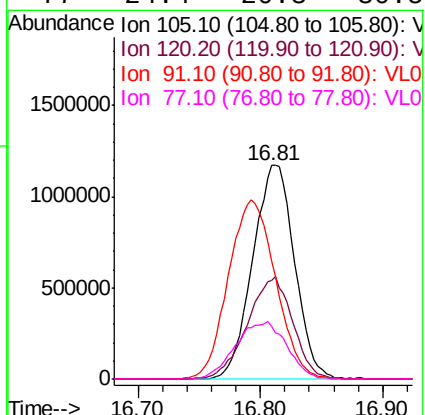
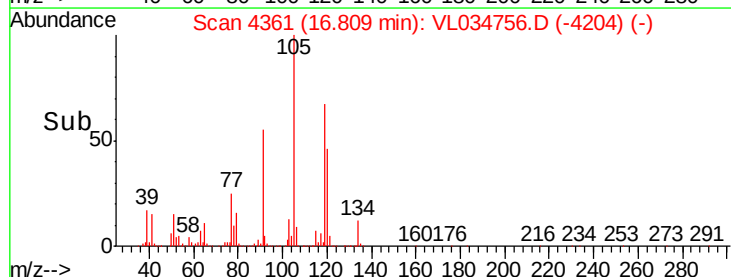
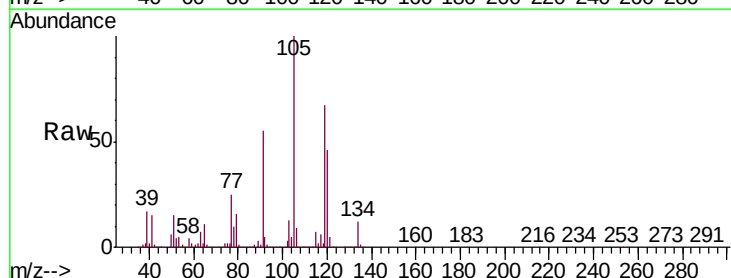
Ion Ratio Lower Upper

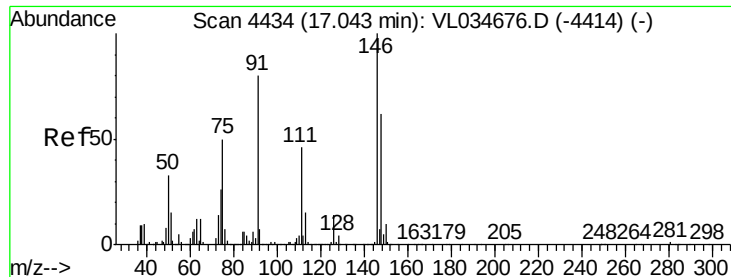
105 100

120 46.0 37.9 56.9

91 54.9 43.9 65.9

77 24.4 20.3 30.5

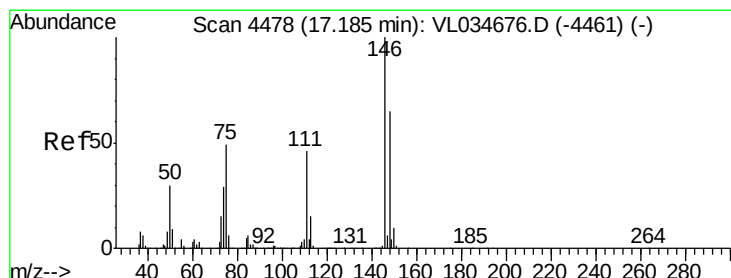
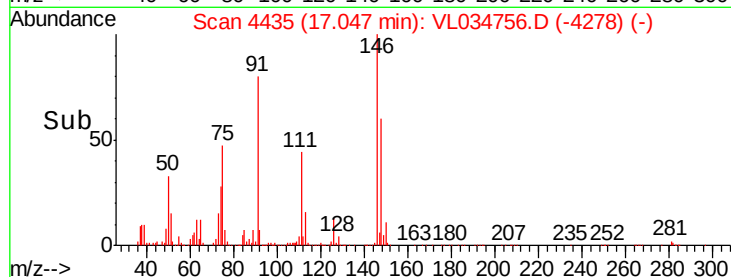
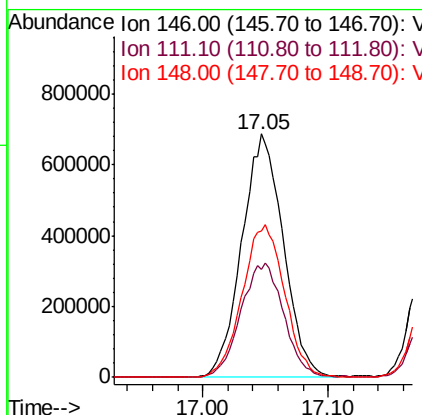
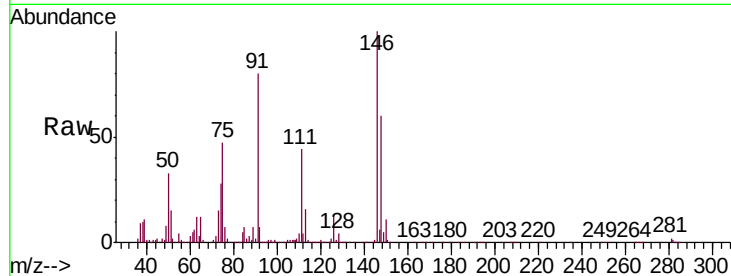




#75
 1,3-Dichlorobenzene
 Concen: 8.433 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

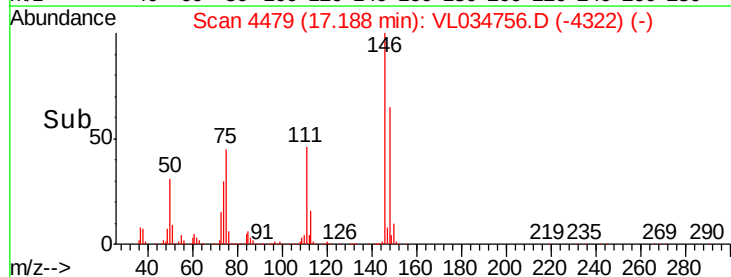
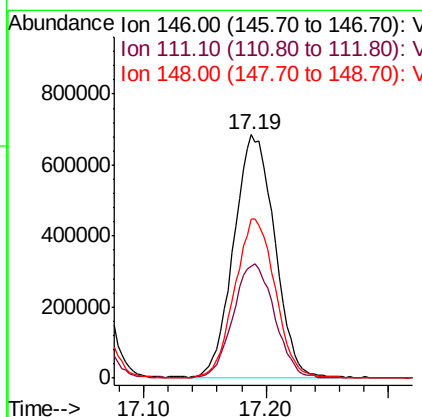
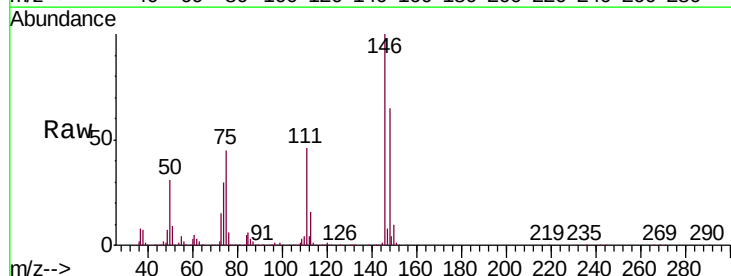
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

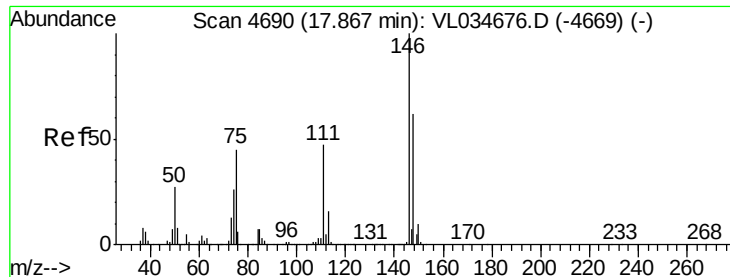
Tgt Ion:146 Resp: 1577735
 Ion Ratio Lower Upper
 146 100
 111 48.5 24.4 73.2
 148 64.0 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 8.518 ppbv
 RT: 17.19 min Scan# 4479
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion:146 Resp: 1594571
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.0
 148 64.9 31.9 95.5

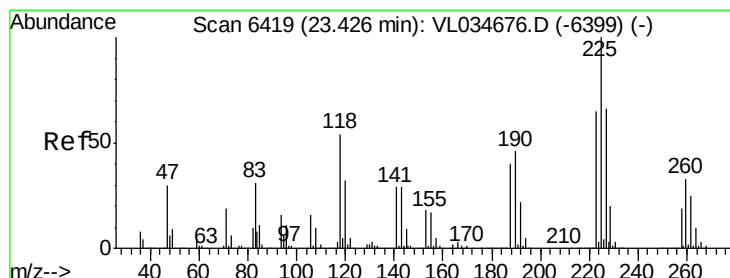
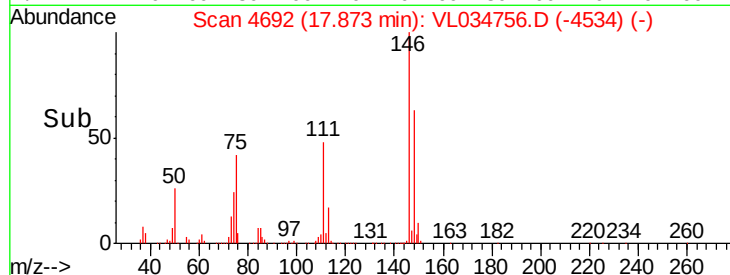
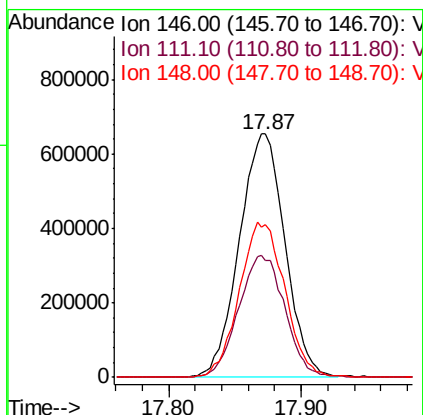
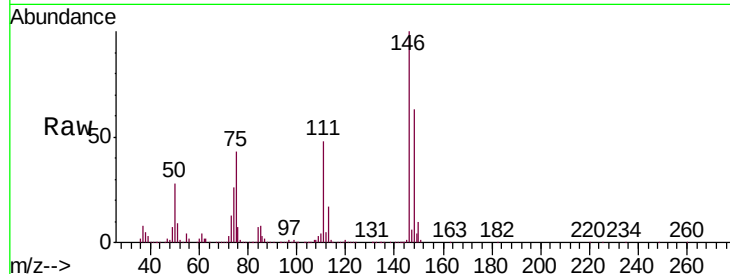




#77
 1,2-Dichlorobenzene
 Concen: 8.638 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

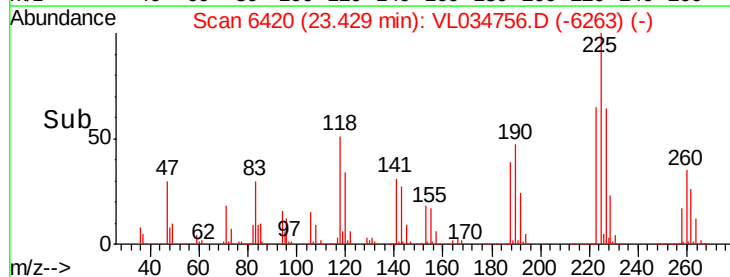
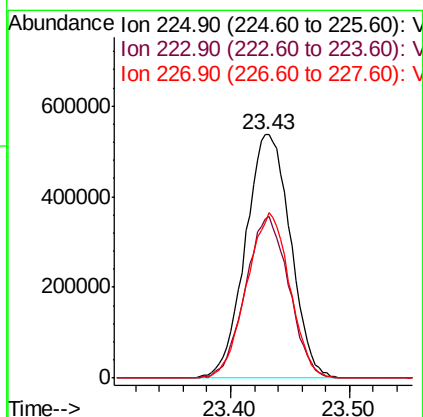
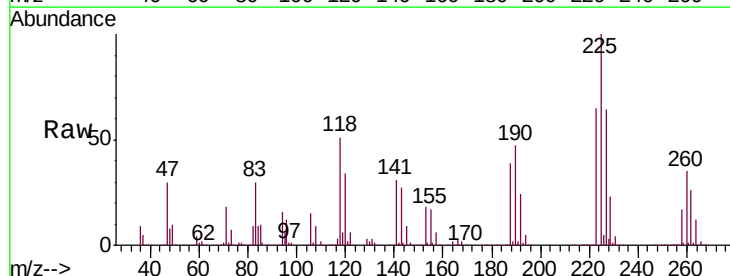
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

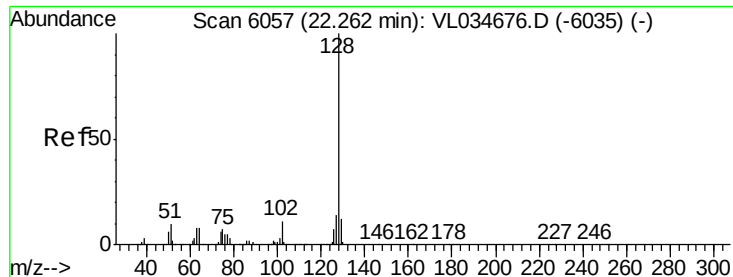
Tgt Ion:146 Resp: 1562544
 Ion Ratio Lower Upper
 146 100
 111 51.1 24.9 74.7
 148 63.9 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.938 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Tgt Ion:225 Resp: 1407678
 Ion Ratio Lower Upper
 225 100
 223 64.0 51.3 76.9
 227 65.0 51.3 76.9

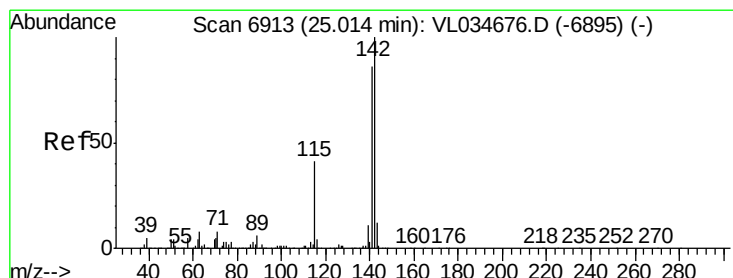
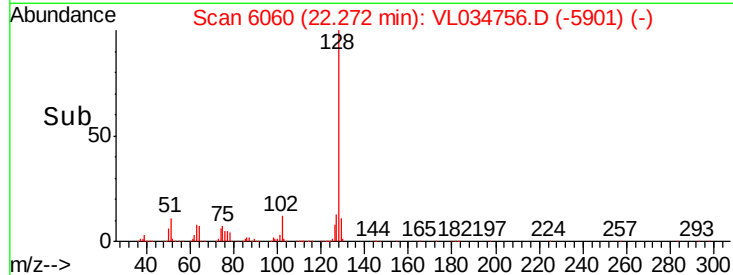
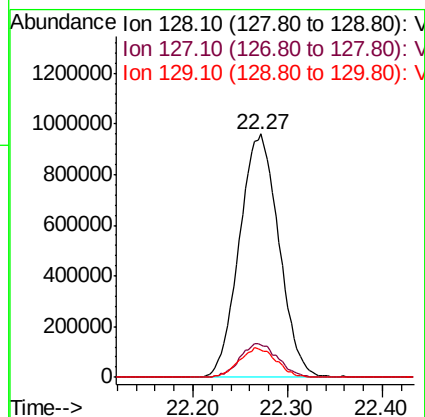
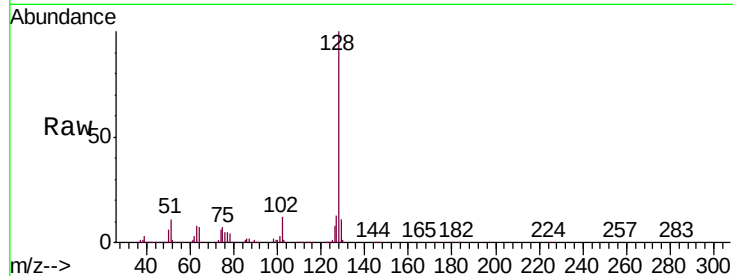




#79
Naphthalene
Concen: 9.751 ppbv
RT: 22.27 min Scan# 6060
Delta R.T. 0.01 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

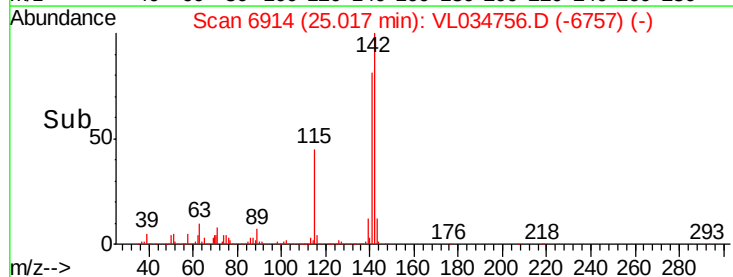
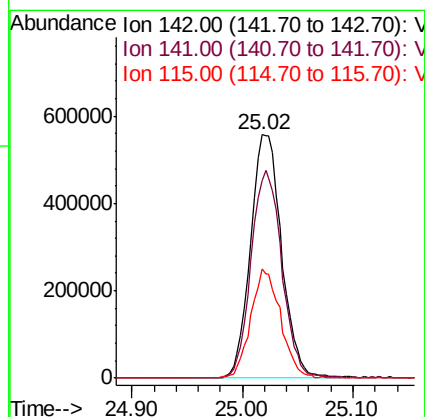
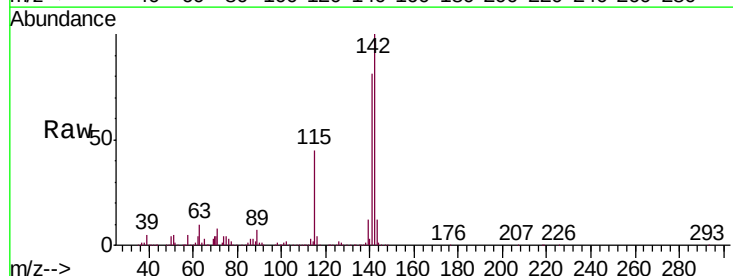
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

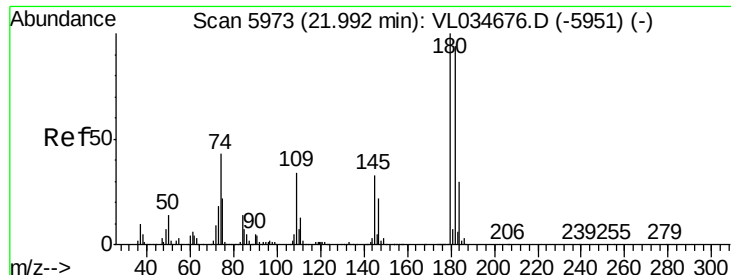
Tgt Ion:128 Resp: 2781672
Ion Ratio Lower Upper
128 100
127 13.4 11.0 16.6
129 11.2 9.4 14.2



#80
Naphthalene, 2-methyl-
Concen: 12.369 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL034756.D
Acq: 29 Feb 2020 3:44

Tgt Ion:142 Resp: 1088282
Ion Ratio Lower Upper
142 100
141 84.8 66.5 99.7
115 43.5 30.6 46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 4.367 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. 0.01 min
 Lab File: VL034756.D
 Acq: 29 Feb 2020 3:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 743483
 Ion Ratio Lower Upper
 180 100
 182 206.4 76.5 114.7#
 184 66.8 25.2 37.8#

