

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035177.D
 Acq On : 8 Jul 2020 9:55
 Operator : SY/AP
 Sample : VL0708ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

Quant Time: Jul 08 12:55:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1297340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3085878	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3585056	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2389545	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	1623269	8.928	ppbv	99
3) Chlorodifluoromethane	2.94	51	1258427	8.782	ppbv	100
4) Chloromethane	3.10	50	710495	8.797	ppbv	96
5) Vinyl Chloride	3.21	62	733044	8.493	ppbv	98
6) Bromomethane	3.43	94	462908	9.450	ppbv	94
7) Chloroethane	3.52	64	281611	9.230	ppbv	97
8) Dichlorotetrafluoroethane	3.14	85	1709621	8.579	ppbv	99
9) Propene	2.96	41	507728	9.375	ppbv	97
10) Heptane	8.13	43	1426117	10.257	ppbv	98
11) Trichlorofluoromethane	3.91	101	1807888	8.805	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1274791	8.841	ppbv	99
13) Ethanol	3.57	45	54177	3.142	ppbv #	35
14) Bromoethene	3.70	108	555357	9.358	ppbv	99
15) Acetone	3.81	43	1374796	7.827	ppbv	99
16) 1,3-Butadiene	3.28	39	655985	9.730	ppbv	98
17) tert-Butyl alcohol	4.26	59	1564052	10.064	ppbv	99
18) 1,1-Dichloroethene	4.26	96	584387	9.153	ppbv	96
19) Isopropyl Alcohol	3.93	45	1026641	9.689	ppbv	99
20) Methylene Chloride	4.31	84	563774	7.377	ppbv	97
21) Allyl Chloride	4.38	41	968572	9.474	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	582167	9.134	ppbv	97
23) Vinyl Acetate	5.05	43	1900066	9.994	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1482610	9.081	ppbv	98
25) Ethyl Acetate	5.66	43	2559764	9.391	ppbv	100
26) Hexane	5.67	57	1153057	9.595	ppbv	100
27) Carbon Disulfide	4.52	76	1568714	9.348	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1773000	9.683	ppbv	100
29) Chloroform	5.74	83	1825101	9.058	ppbv	99
30) Cyclohexane	7.13	84	947403	10.654	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1138842	10.018	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	1796794	8.898	ppbv	100
34) 2-Butanone	5.22	43	1571826	9.543	ppbv	99
35) Carbon Tetrachloride	7.01	117	1868573	9.328	ppbv	99
36) Benzene	6.89	78	2232565	9.996	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1417516	9.457	ppbv	99
38) Trichloroethene	7.84	130	909216	9.991	ppbv	96
39) 1,2-Dichloropropane	7.62	63	881024	9.919	ppbv	95
40) 1,4-Dioxane	7.83	88	276096	7.808	ppbv #	1
41) Tetrahydrofuran	6.03	42	874830	10.615	ppbv	100
42) Bromodichloromethane	7.80	83	1947051	9.728	ppbv	99
43) Methyl Methacrylate	8.02	69	1034897	10.961	ppbv	98

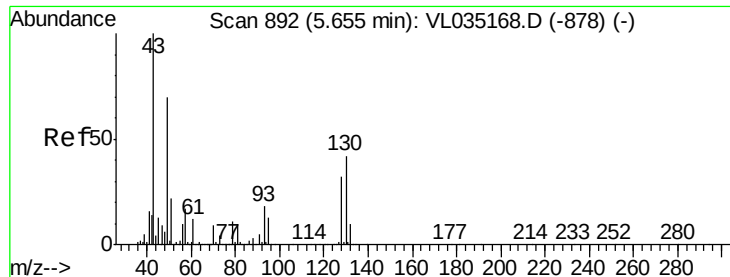
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
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 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3880860	10.067	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1154252	11.637	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1365312	11.611	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	955872	9.832	ppbv	97
48) Dibromochloromethane	10.32	129	1630215	10.306	ppbv	100
49) Bromoform	13.07	173	1436743	10.383	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2418154	10.230	ppbv	100
51) 2-Hexanone	10.15	43	1955801	10.851	ppbv #	100
52) Tetrachloroethene	11.25	164	799870	9.589	ppbv	95
53) Toluene	9.82	91	2610175	11.074	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1442633	9.999	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.15	131	1243353	7.828	ppbv #	56
57) Chlorobenzene	12.17	112	2033491	7.696	ppbv	98
58) Ethyl Benzene	12.74	91	3539927	8.934	ppbv	98
59) m/p-Xylene	13.02	91	2863916	8.109	ppbv #	24
60) o-Xylene	13.72	91	2963411	8.410	ppbv	99
61) Styrene	13.55	104	2102535	9.657	ppbv	99
62) Isopropylbenzene	14.70	105	4343682	8.317	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2113829	7.179	ppbv	99
64) n-propylbenzene	15.60	120	1158477	8.587	ppbv	99
65) tert-Butylbenzene	16.78	119	3909266	8.334	ppbv	99
66) Benzyl Chloride	17.03	91	1511391	9.044	ppbv	100
67) sec-Butylbenzene	17.33	105	5559728	8.130	ppbv	100
69) p-Isopropyltoluene	17.69	119	4587557	8.559	ppbv	99
70) n-Butylbenzene	18.59	91	4733478	8.329	ppbv	100
71) 2-Chlorotoluene	15.49	91	3371757	8.532	ppbv	100
72) 4-Ethyltoluene	15.88	105	3464142	8.726	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3275301	8.555	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3459594	8.177	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	1952588	7.288	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1950453	7.833	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1843259	7.641	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1382292	7.251	ppbv	99
79) Naphthalene	22.26	128	2889415	10.554	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	1058791	16.372	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1586868	9.149	ppbv	99

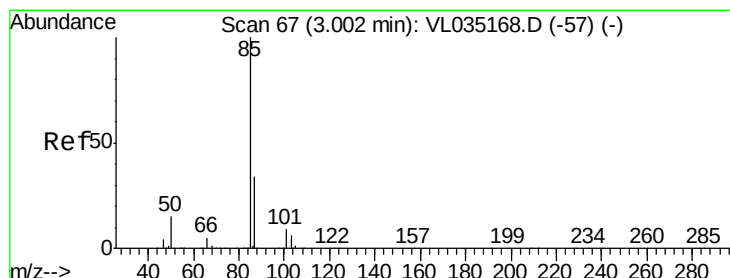
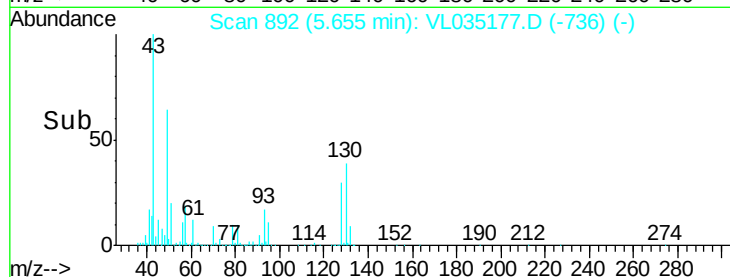
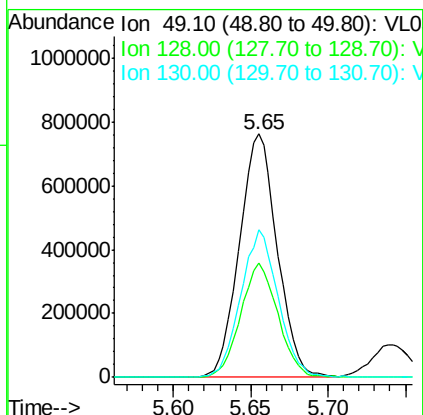
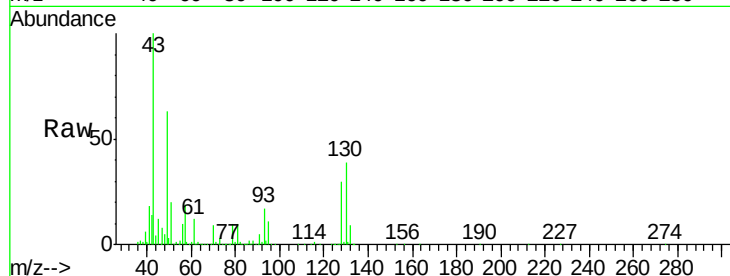
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

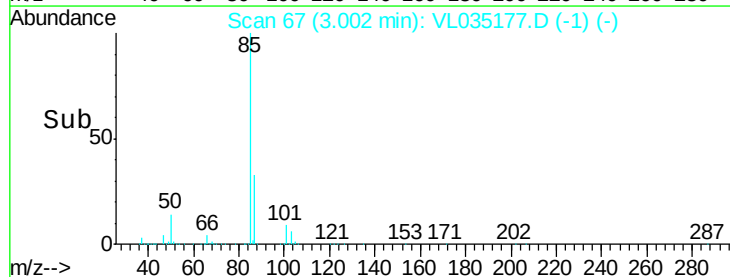
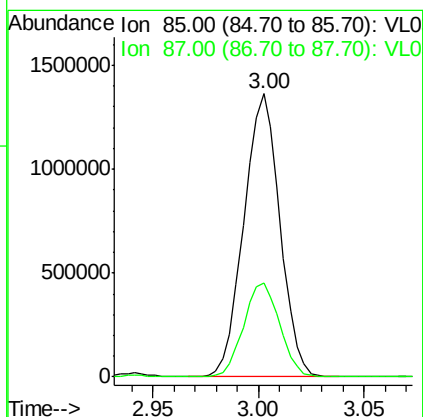
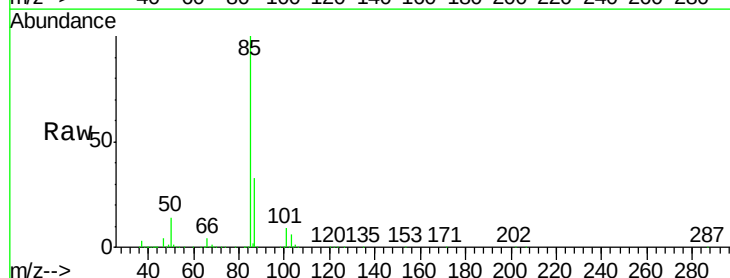
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

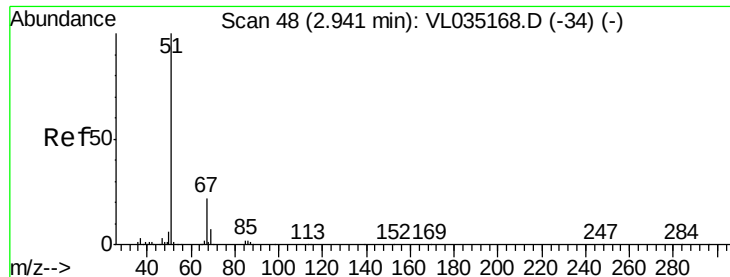
Tgt Ion: 49 Resp: 1297340
 Ion Ratio Lower Upper
 49 100
 128 46.6 23.8 71.4
 130 60.4 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 8.928 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion: 85 Resp: 1623269
 Ion Ratio Lower Upper
 85 100
 87 33.2 27.0 40.6





#3

Chlorodifluoromethane

Concen: 8.782 ppbv

RT: 2.94 min Scan# 48

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

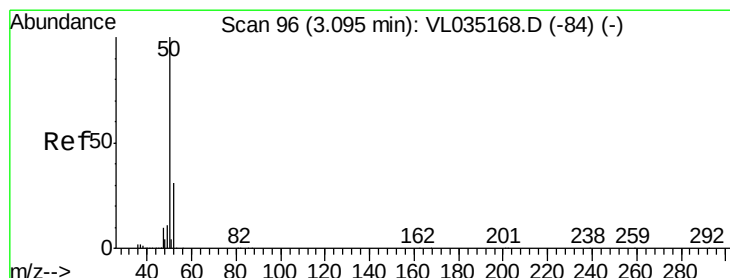
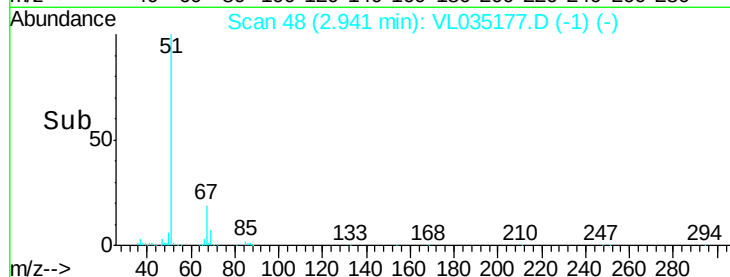
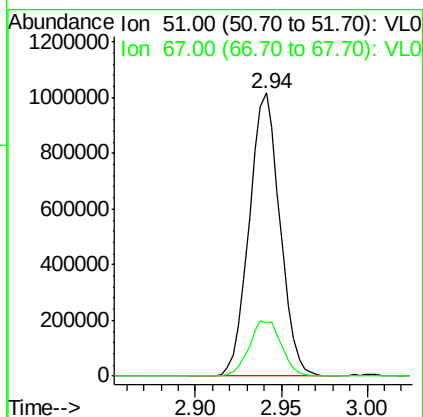
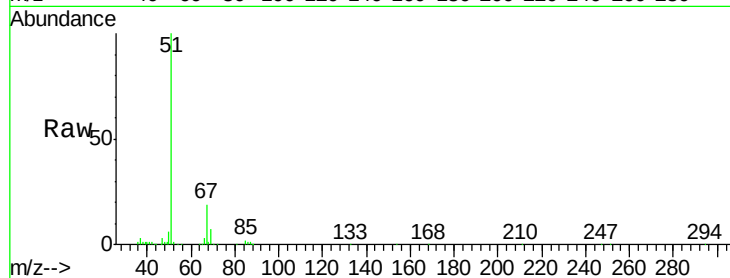
VL0708ABS01

Tgt Ion: 51 Resp: 1258427

Ion Ratio Lower Upper

51 100

67 20.6 16.6 24.8



#4

Chloromethane

Concen: 8.797 ppbv

RT: 3.10 min Scan# 96

Delta R.T. 0.00 min

Lab File: VL035177.D

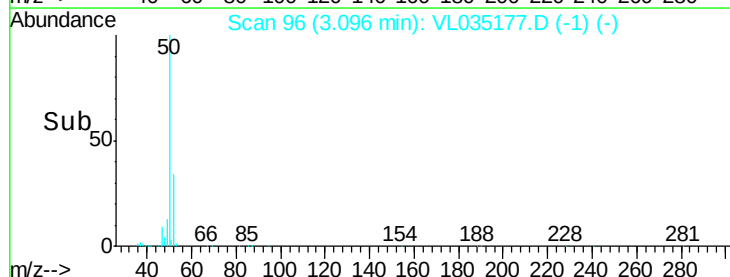
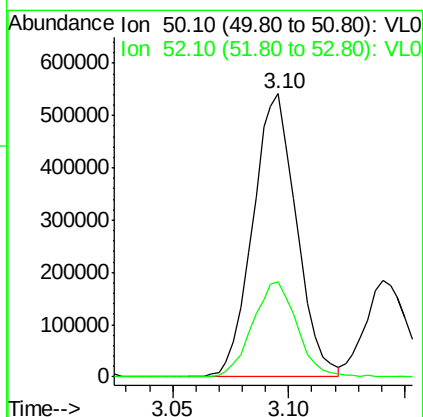
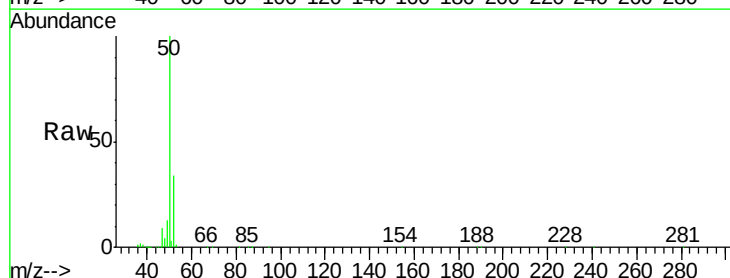
Acq: 8 Jul 2020 9:55

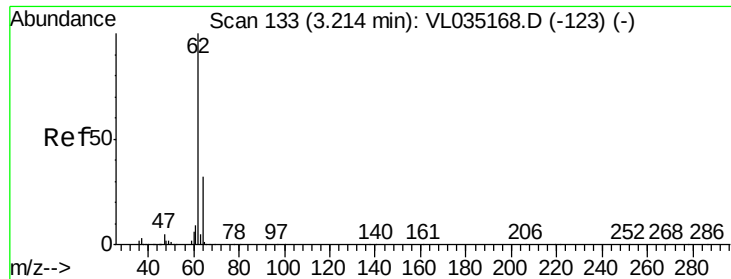
Tgt Ion: 50 Resp: 710495

Ion Ratio Lower Upper

50 100

52 33.7 25.0 37.6





#5

Vinyl Chloride

Concen: 8.493 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

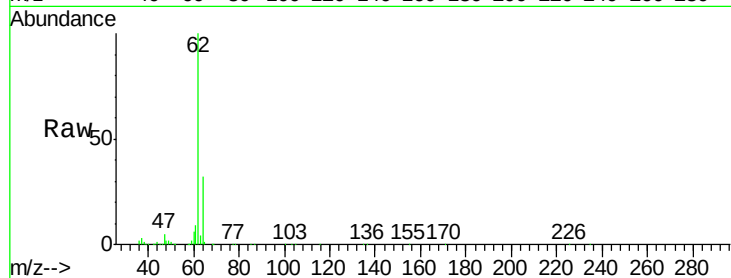
VL0708ABS01

Tgt Ion: 62 Resp: 733044

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.21

600000

500000

400000

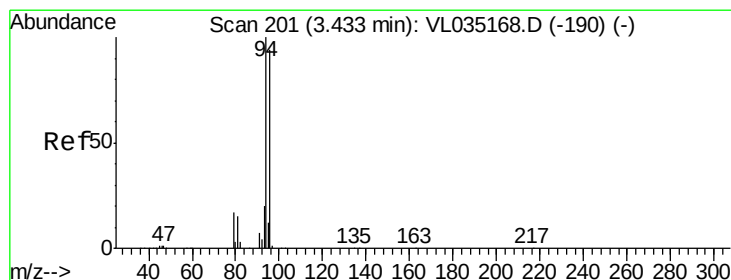
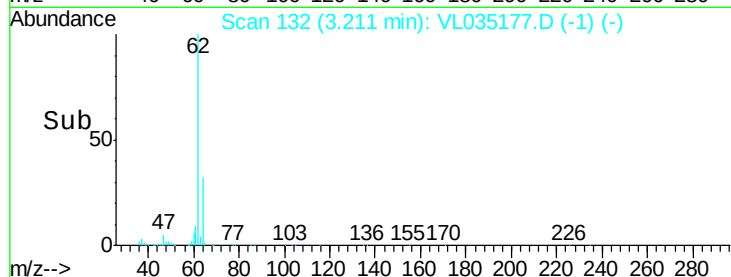
300000

200000

100000

0

Time--> 3.15 3.20 3.25



#6

Bromomethane

Concen: 9.450 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035177.D

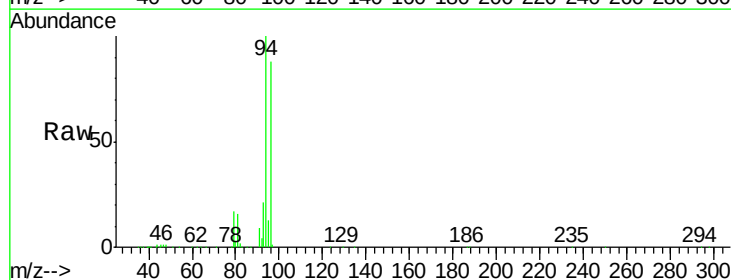
Acq: 8 Jul 2020 9:55

Tgt Ion: 94 Resp: 462908

Ion Ratio Lower Upper

94 100

96 87.6 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.43

400000

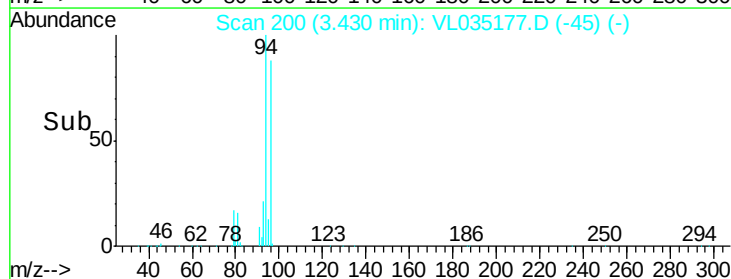
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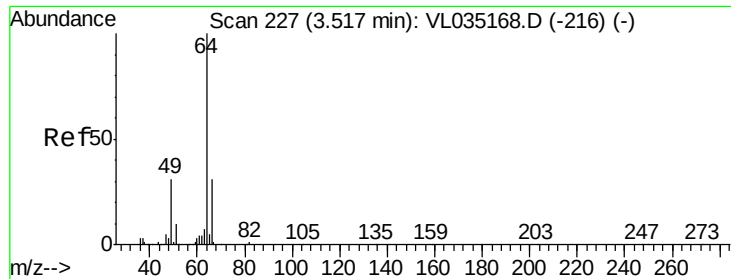
200000

100000

0

Time--> 3.40 3.45 3.50





#7

Chloroethane

Concen: 9.230 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

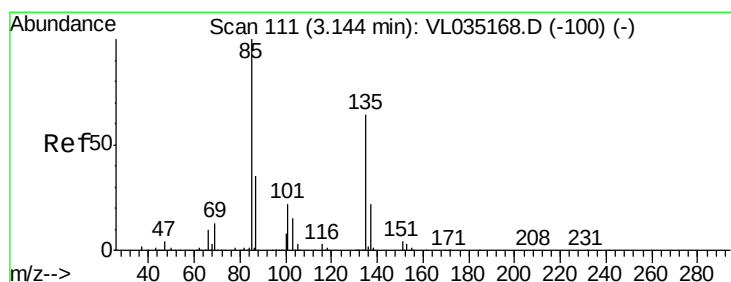
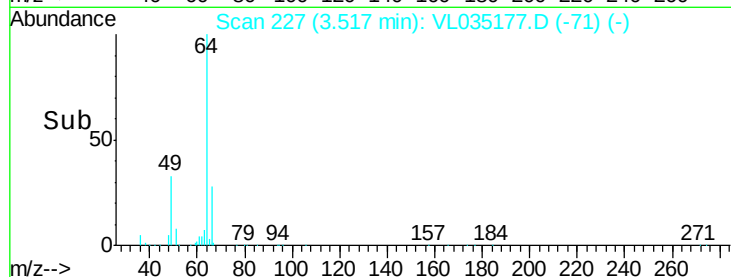
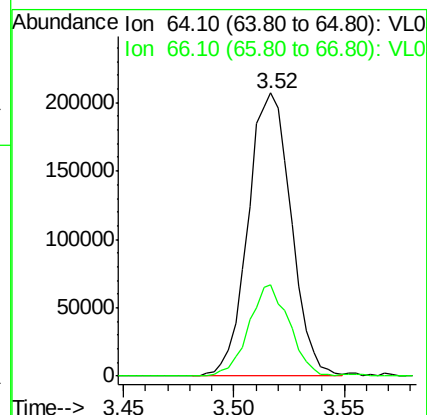
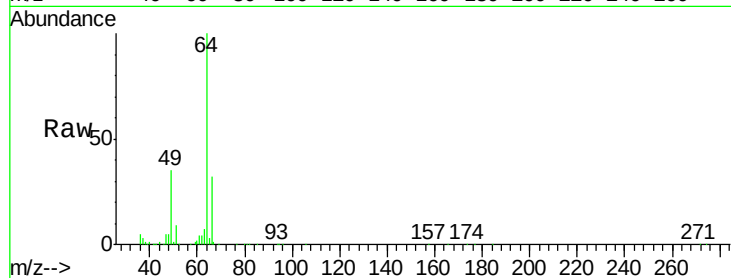
VL0708ABS01

Tgt Ion: 64 Resp: 281611

Ion Ratio Lower Upper

64 100

66 32.3 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 8.579 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035177.D

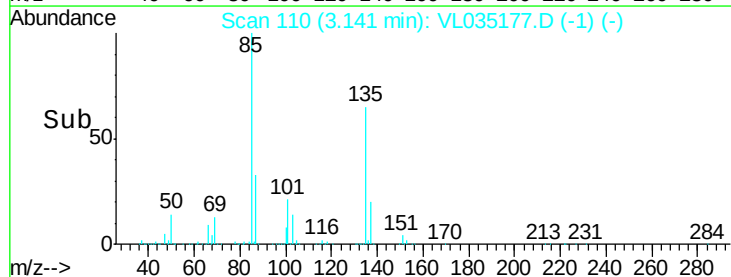
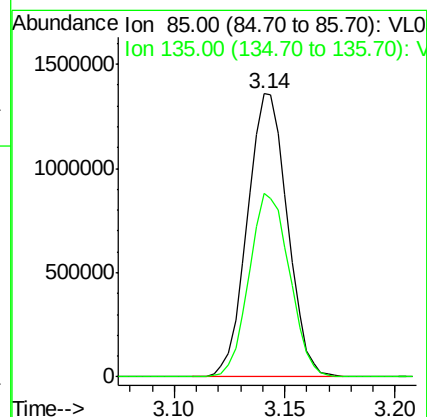
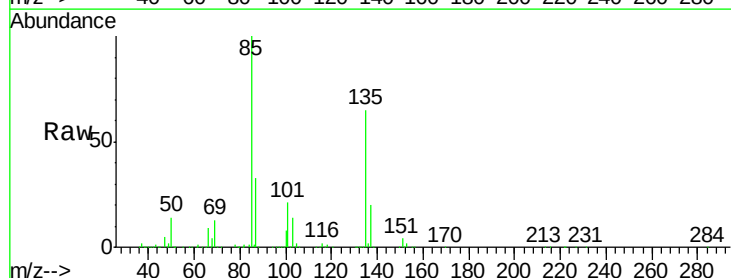
Acq: 8 Jul 2020 9:55

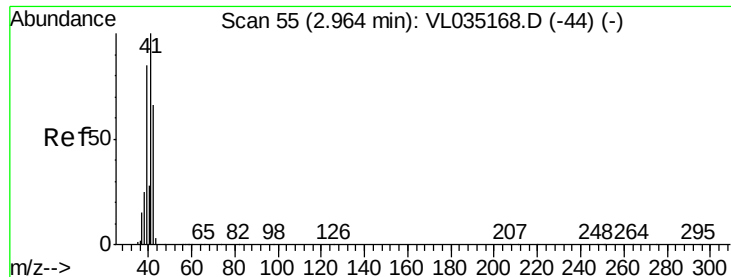
Tgt Ion: 85 Resp: 1709621

Ion Ratio Lower Upper

85 100

135 65.6 52.1 78.1





#9

Propene

Concen: 9.375 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

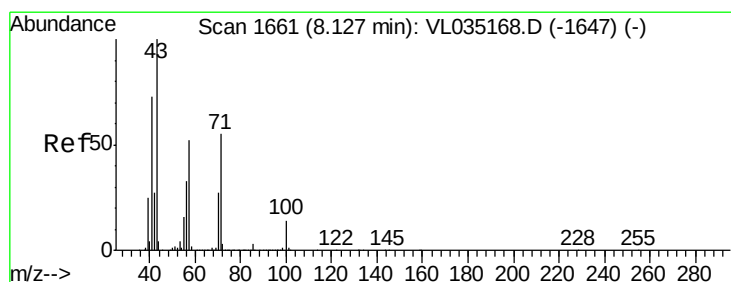
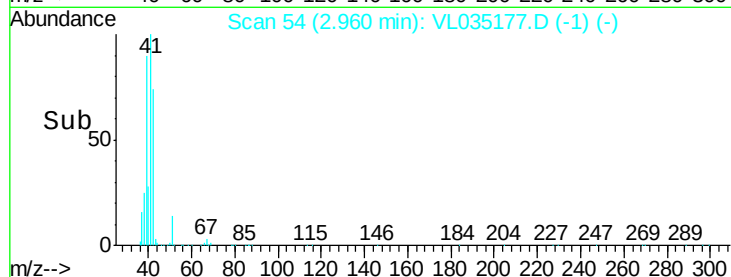
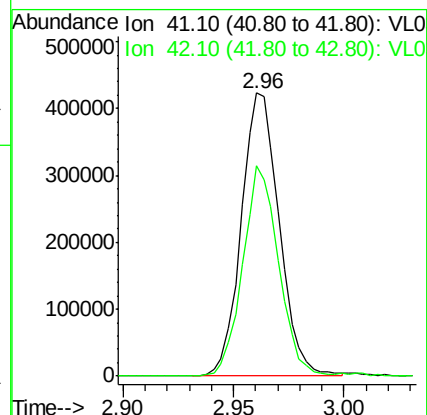
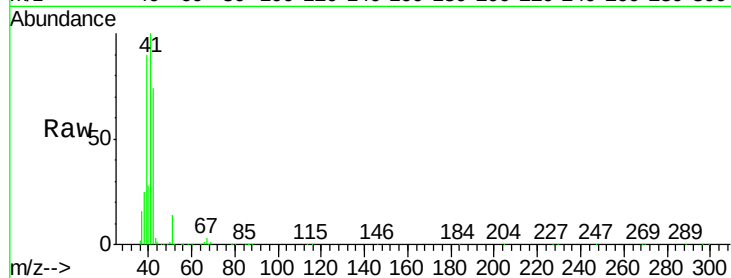
VL0708ABS01

Tgt Ion: 41 Resp: 507728

Ion Ratio Lower Upper

41 100

42 70.9 54.6 81.8



#10

Heptane

Concen: 10.257 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035177.D

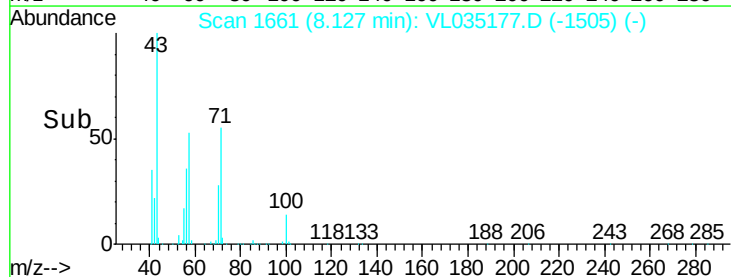
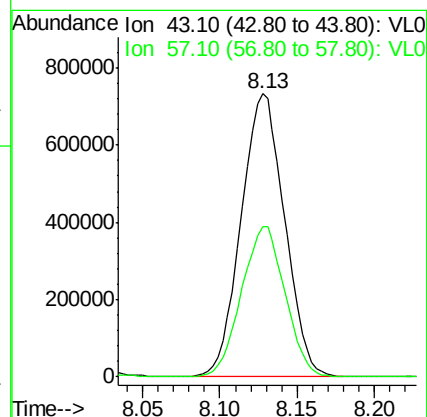
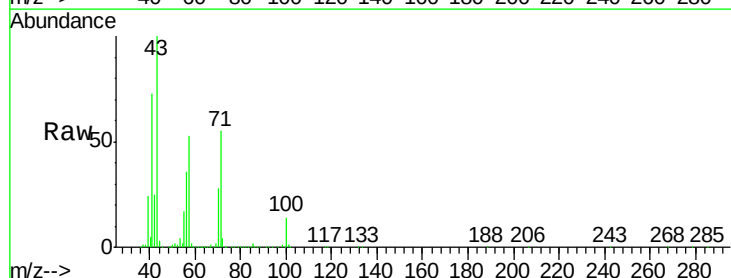
Acq: 8 Jul 2020 9:55

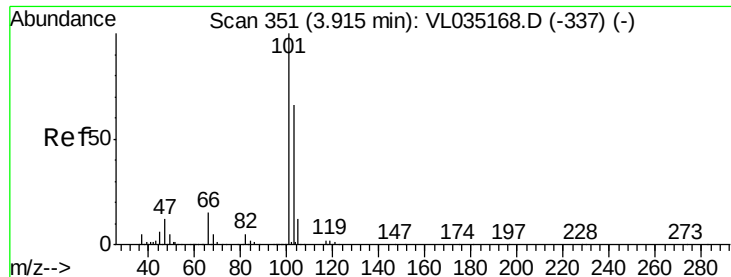
Tgt Ion: 43 Resp: 1426117

Ion Ratio Lower Upper

43 100

57 53.5 41.8 62.6

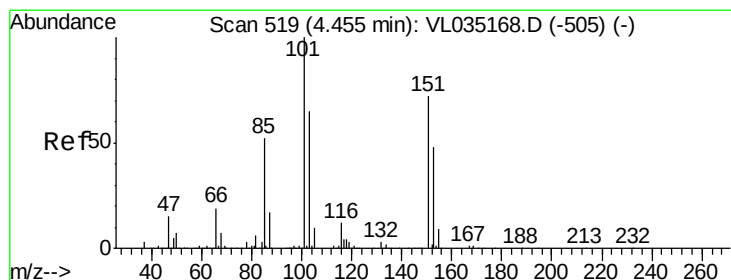
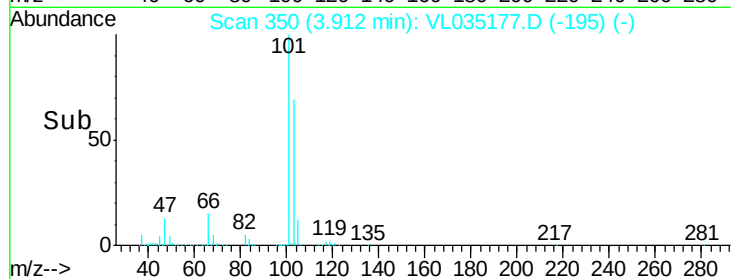
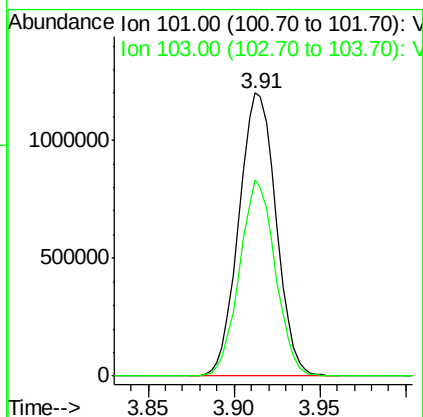
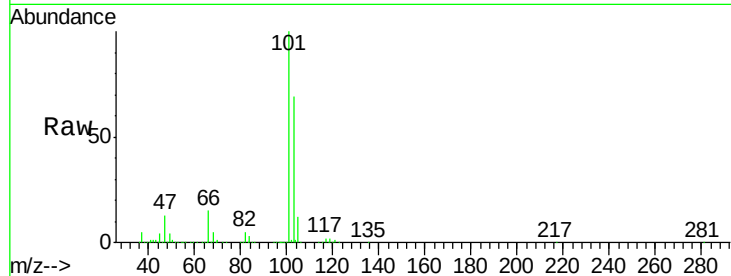




#11
 Trichlorofluoromethane
 Concen: 8.805 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

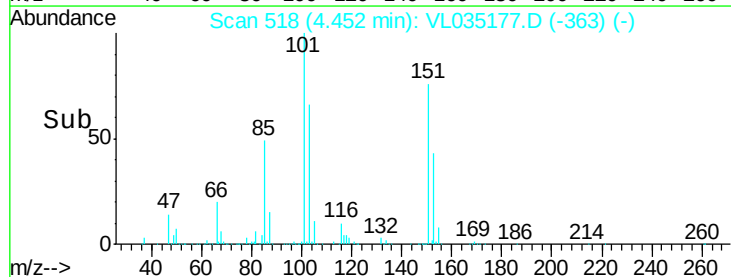
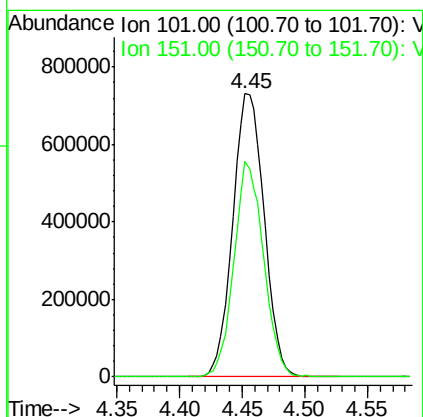
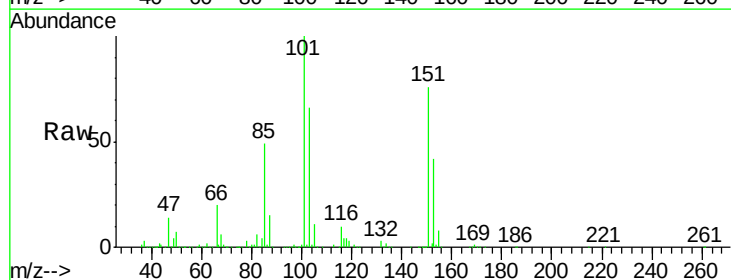
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

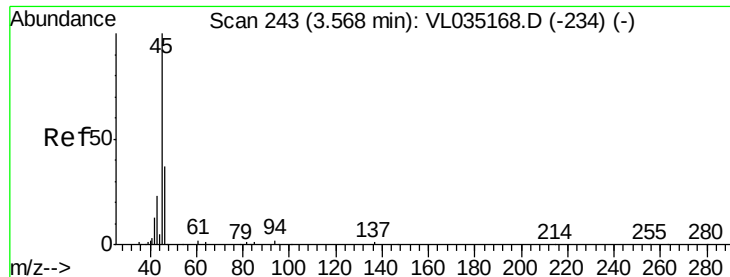
Tgt Ion:101 Resp: 1807888
 Ion Ratio Lower Upper
 101 100
 103 69.3 53.1 79.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.841 ppbv
 RT: 4.45 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion:101 Resp: 1274791
 Ion Ratio Lower Upper
 101 100
 151 71.7 57.0 85.4





#13

Ethanol

Concen: 3.142 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

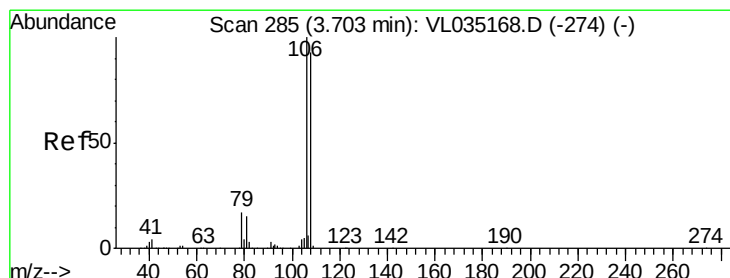
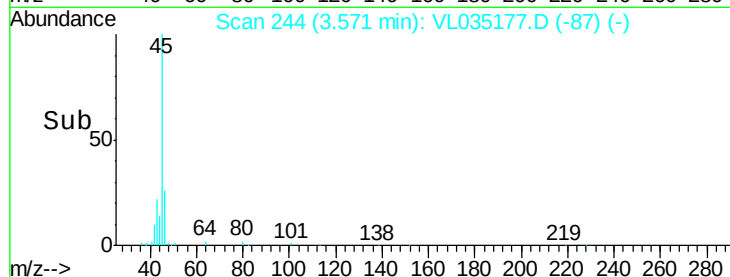
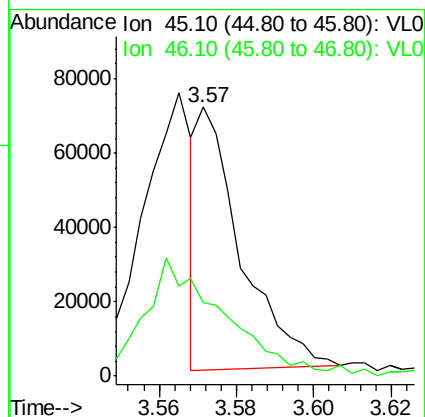
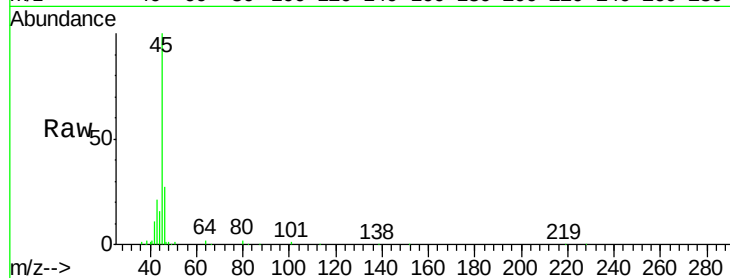
VL0708ABS01

Tgt Ion: 45 Resp: 54177

Ion Ratio Lower Upper

45 100

46 0.0 16.2 65.0#



#14

Bromoethene

Concen: 9.358 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

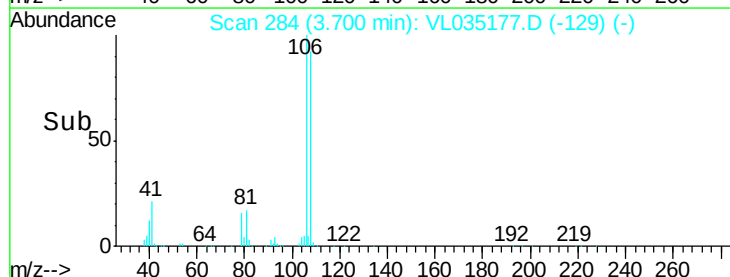
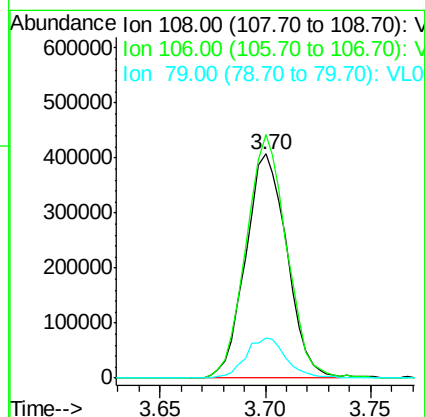
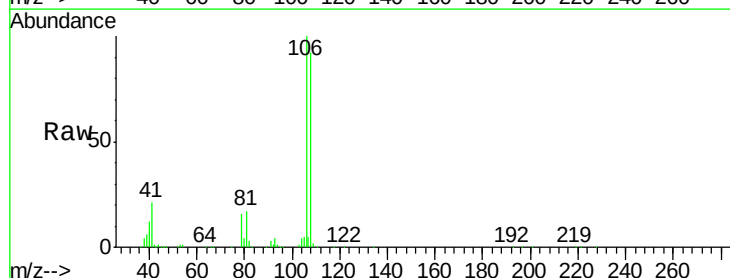
Tgt Ion: 108 Resp: 555357

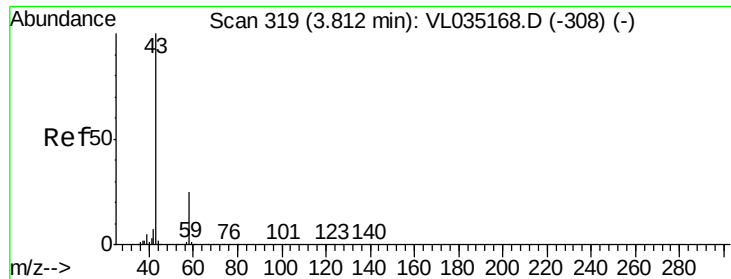
Ion Ratio Lower Upper

108 100

106 107.1 86.2 129.2

79 18.0 15.0 22.6





#15

Acetone

Concen: 7.827 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

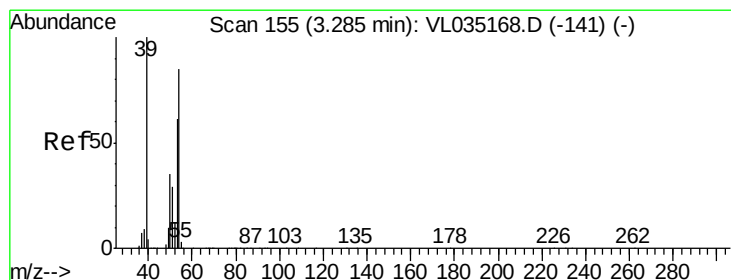
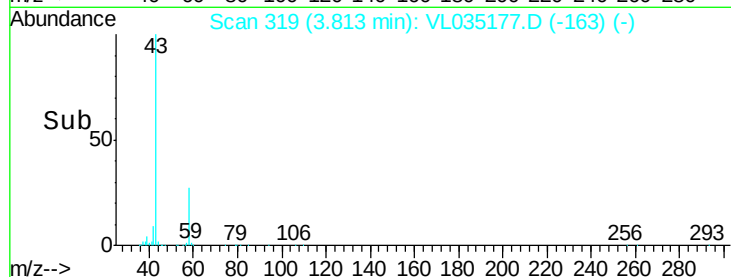
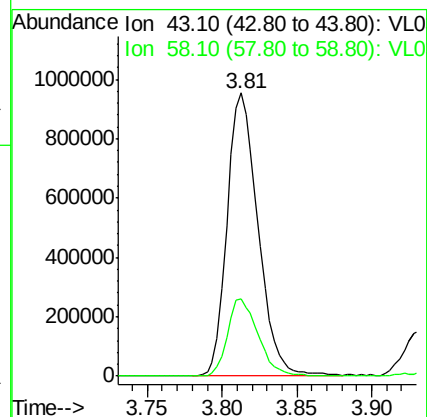
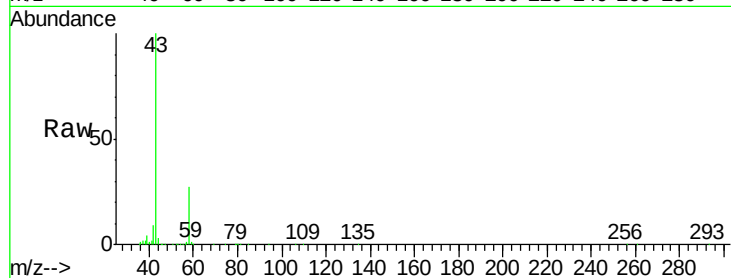
VL0708ABS01

Tgt Ion: 43 Resp: 1374796

Ion Ratio Lower Upper

43 100

58 27.2 21.3 31.9



#16

1,3-Butadiene

Concen: 9.730 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.00 min

Lab File: VL035177.D

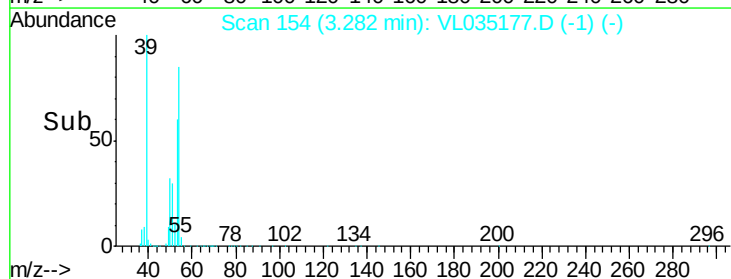
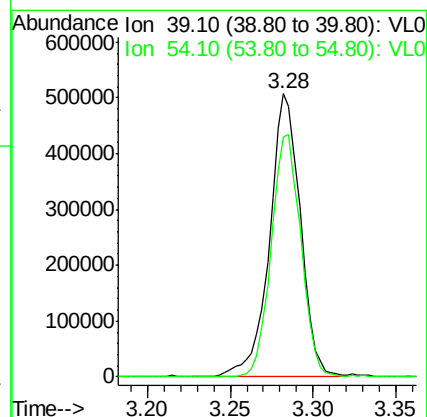
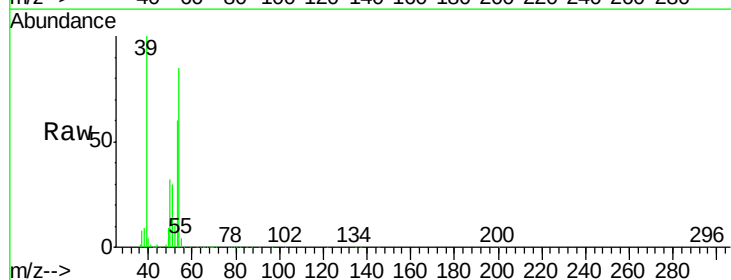
Acq: 8 Jul 2020 9:55

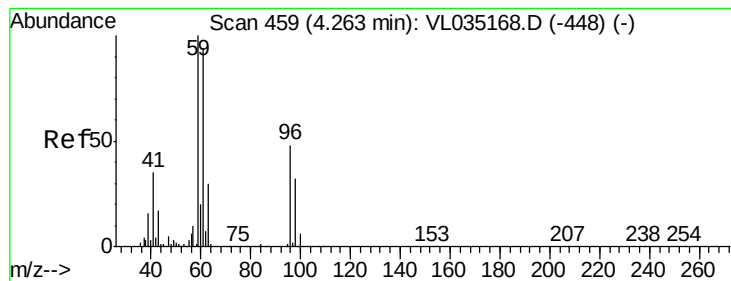
Tgt Ion: 39 Resp: 655985

Ion Ratio Lower Upper

39 100

54 82.6 67.2 100.8





#17

tert-Butyl alcohol

Concen: 10.064 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

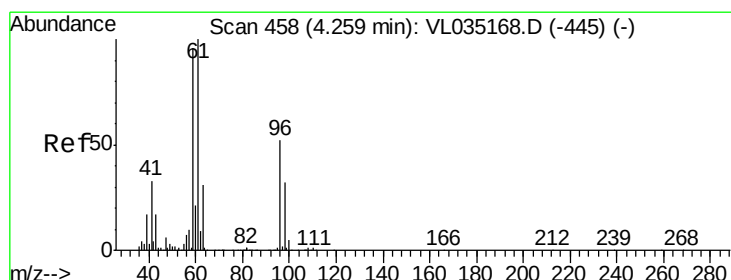
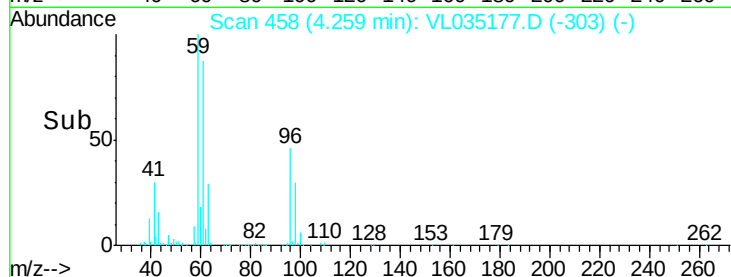
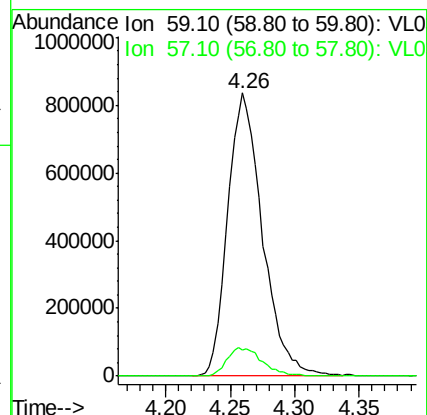
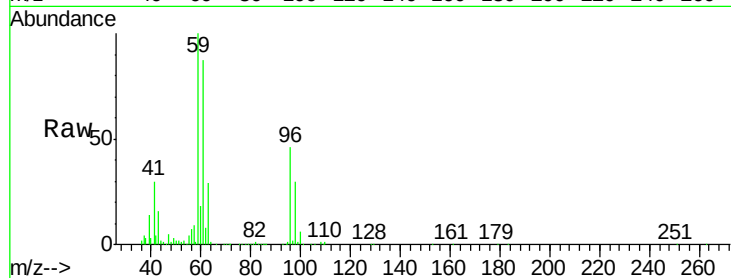
VL0708ABS01

Tgt Ion: 59 Resp: 1564052

Ion Ratio Lower Upper

59 100

57 10.4 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.153 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

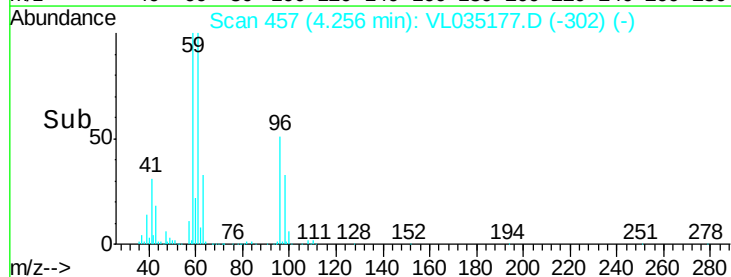
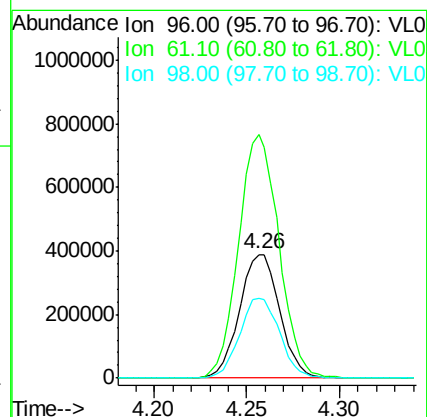
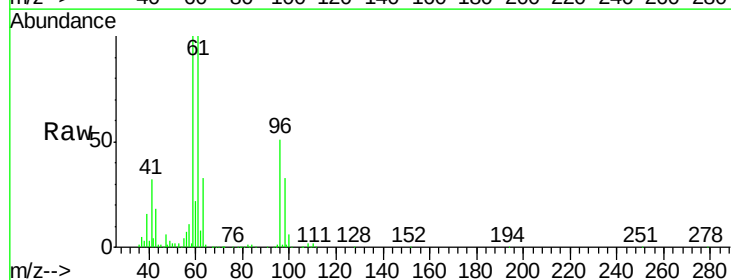
Tgt Ion: 96 Resp: 584387

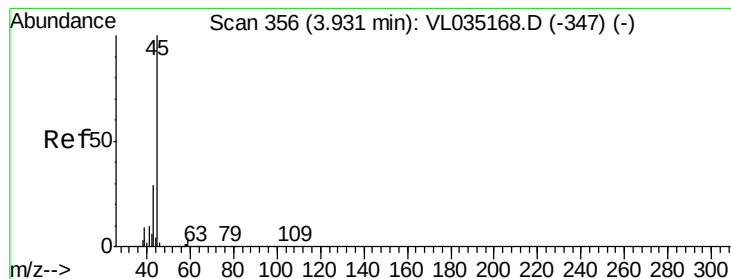
Ion Ratio Lower Upper

96 100

61 196.7 152.9 229.3

98 64.9 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.689 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

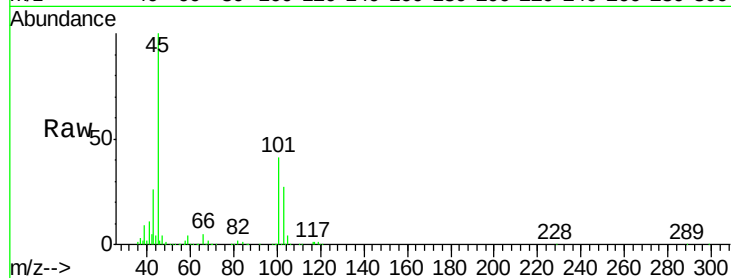
VL0708ABS01

Tgt Ion: 45 Resp: 1026641

Ion Ratio Lower Upper

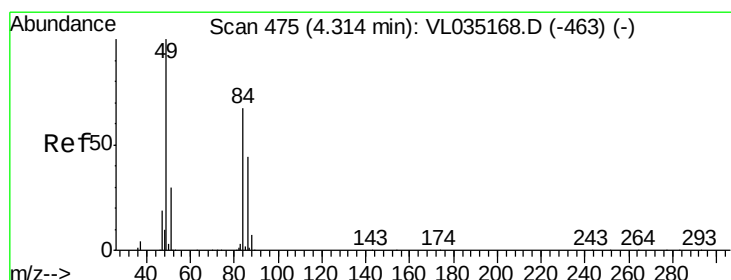
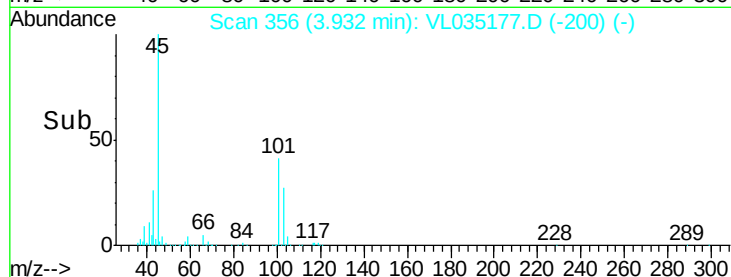
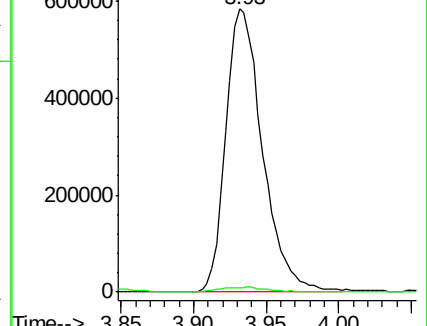
45 100

58 2.3 2.1 3.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.377 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Tgt Ion: 84 Resp: 563774

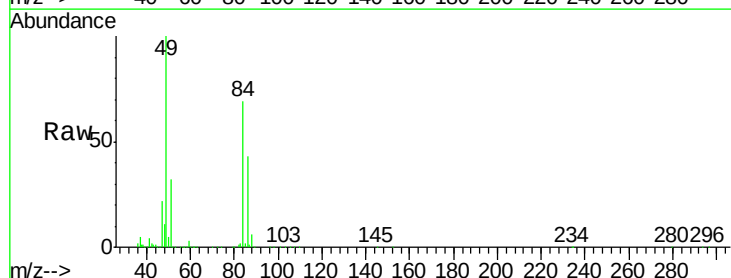
Ion Ratio Lower Upper

84 100

49 144.6 119.4 179.0

51 45.6 36.6 55.0

86 62.2 52.5 78.7

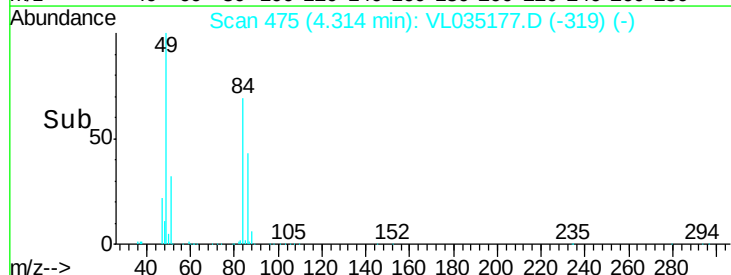
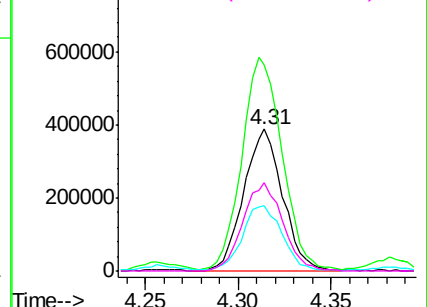


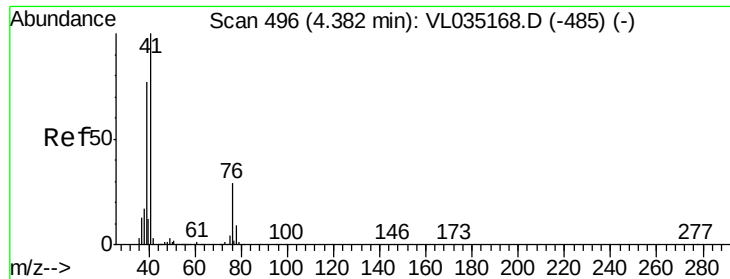
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

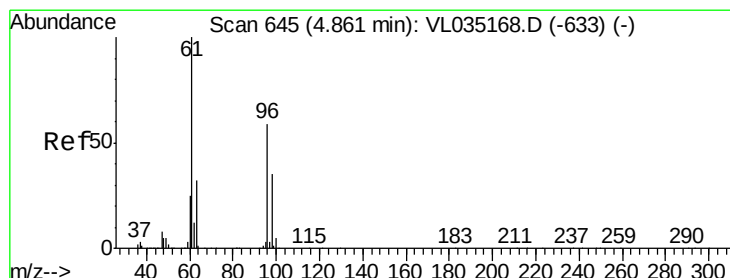
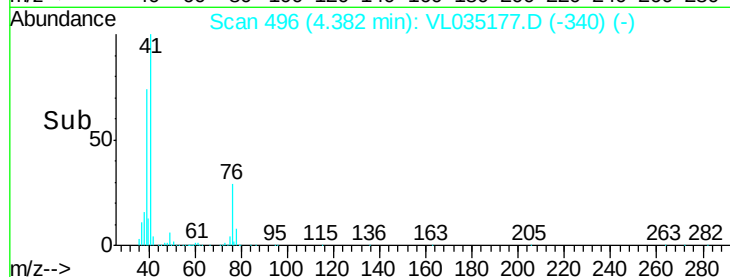
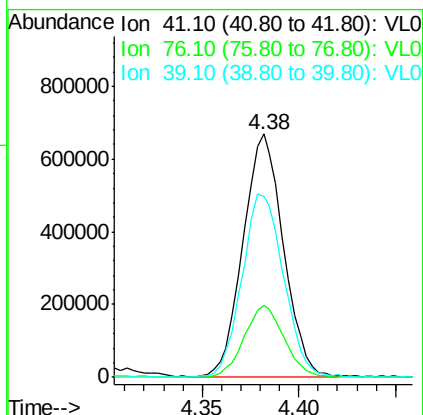
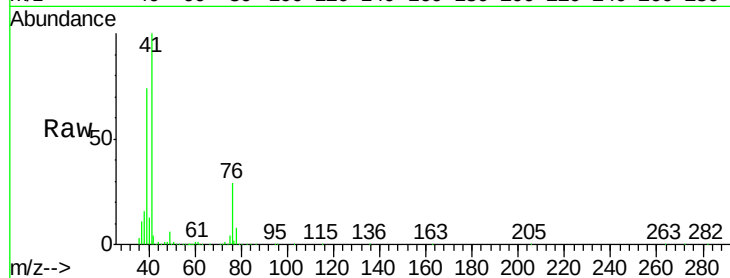




#21
 Allyl Chloride
 Concen: 9.474 ppbv
 RT: 4.38 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

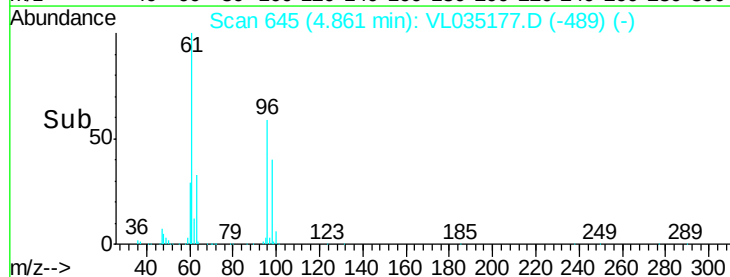
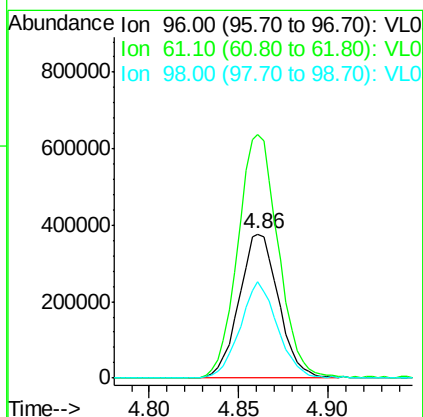
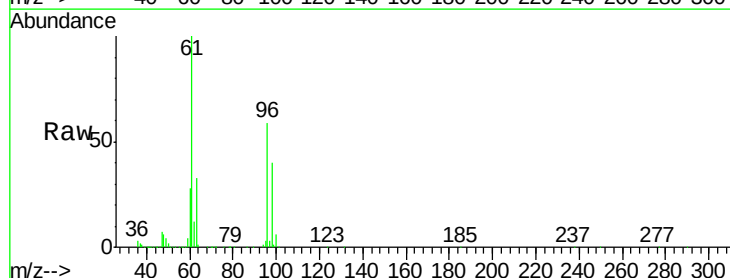
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

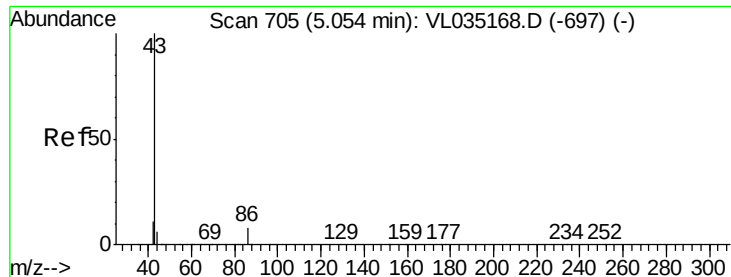
Tgt Ion: 41 Resp: 968572
 Ion Ratio Lower Upper
 41 100
 76 29.4 23.5 35.3
 39 78.1 63.4 95.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.134 ppbv
 RT: 4.86 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion: 96 Resp: 582167
 Ion Ratio Lower Upper
 96 100
 61 169.3 136.5 204.7
 98 67.0 47.5 71.3





#23

Vinyl Acetate

Concen: 9.994 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

Tgt Ion: 43 Resp: 1900066

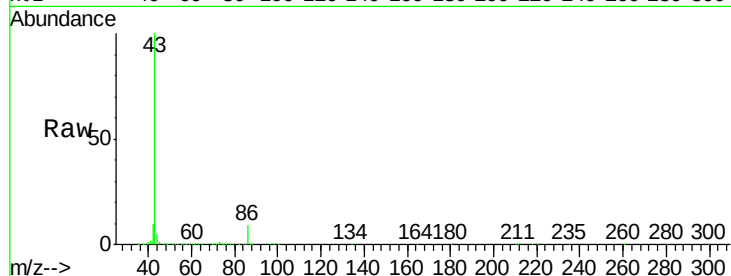
Ion Ratio Lower Upper

43 100

86 8.5 6.2 9.2

42 9.9 9.1 13.7

44 5.1 4.6 6.8

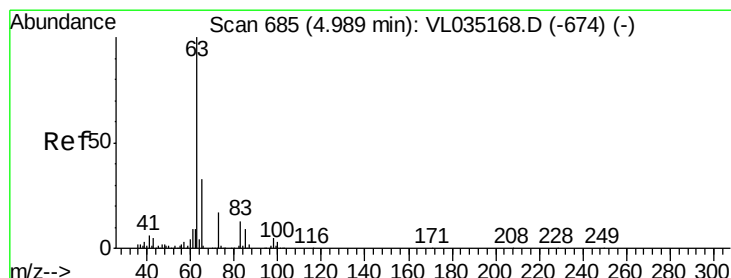
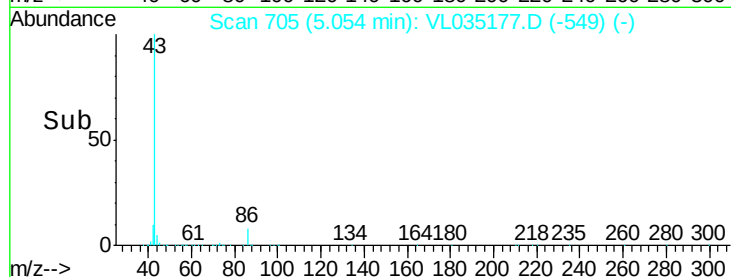
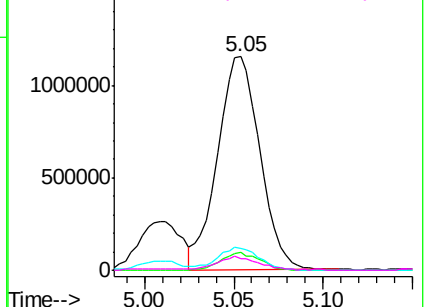


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.081 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

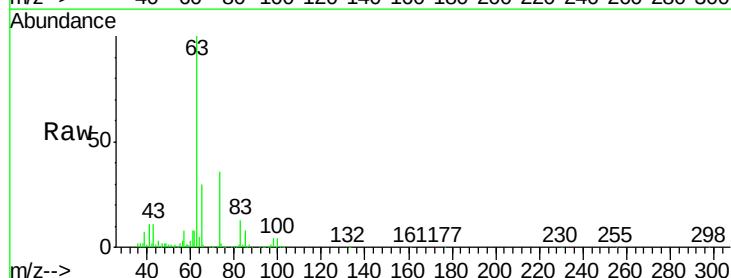
Tgt Ion: 63 Resp: 1482610

Ion Ratio Lower Upper

63 100

98 4.3 2.4 7.1

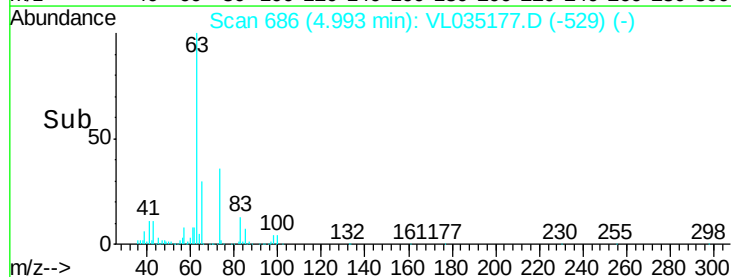
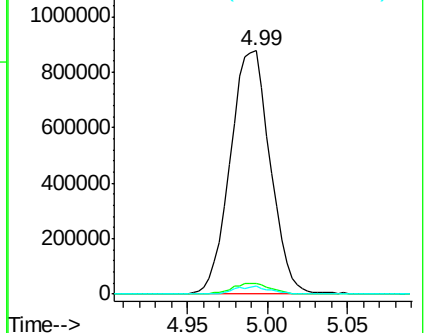
100 3.5 1.4 4.0

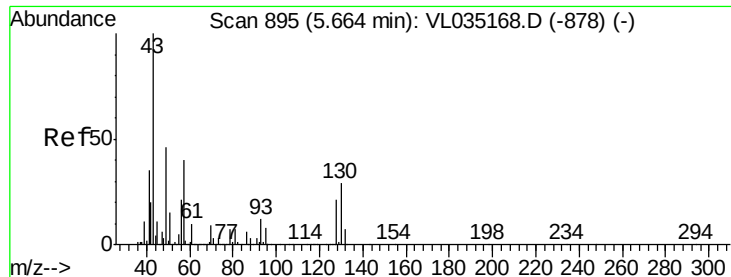


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



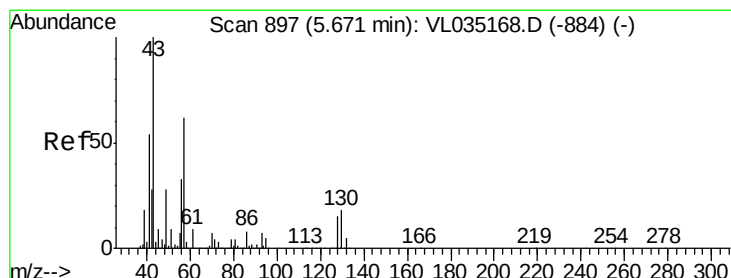
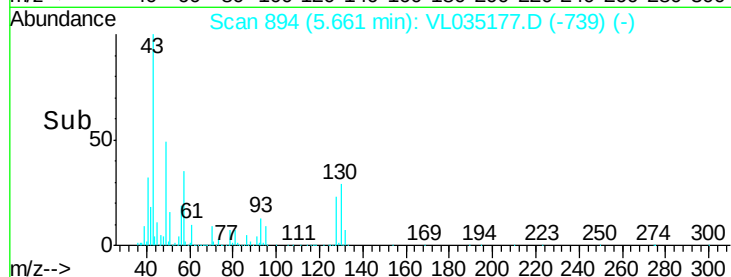
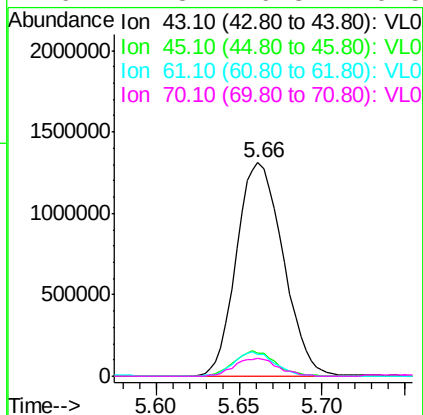
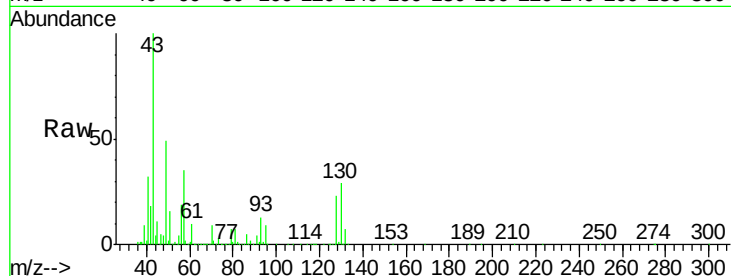


#25
Ethyl Acetate
Concen: 9.391 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

Tgt Ion: 43 Resp: 2559764

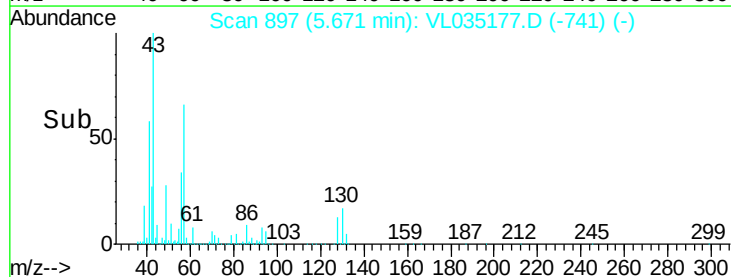
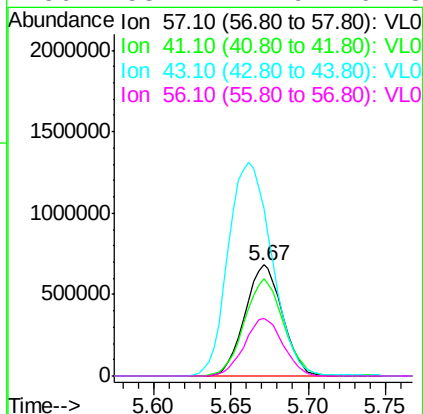
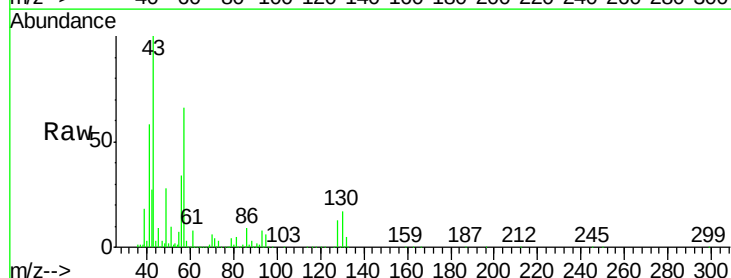
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.1	8.1	12.1
70	7.8	6.3	9.5

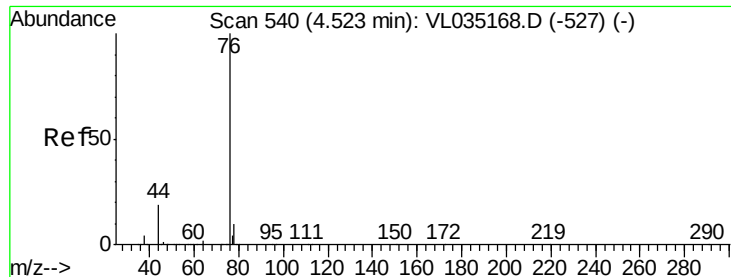


#26
Hexane
Concen: 9.595 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 57 Resp: 1153057

Ion	Ratio	Lower	Upper
57	100		
41	91.1	72.9	109.3
43	223.9	179.5	269.3
56	53.4	42.9	64.3





#27

Carbon Disulfide

Concen: 9.348 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

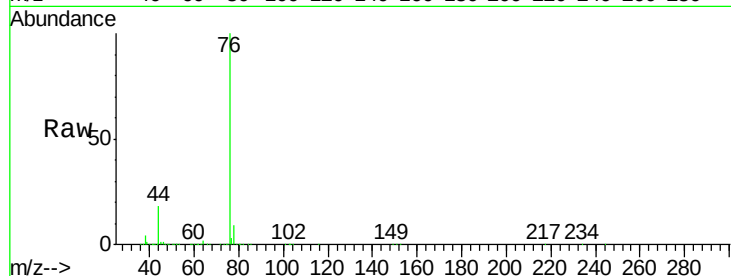
Tgt Ion: 76 Resp: 1568714

Ion Ratio Lower Upper

76 100

44 19.2 14.9 22.3

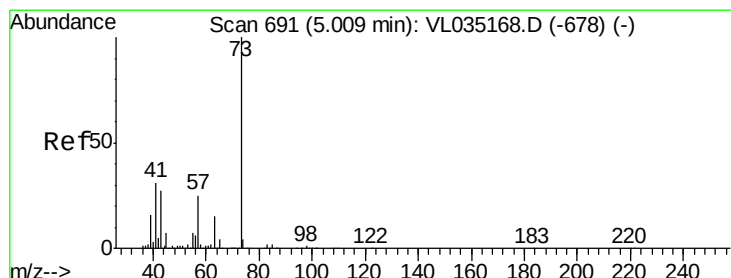
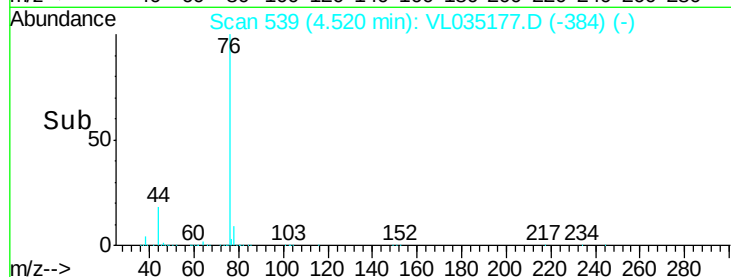
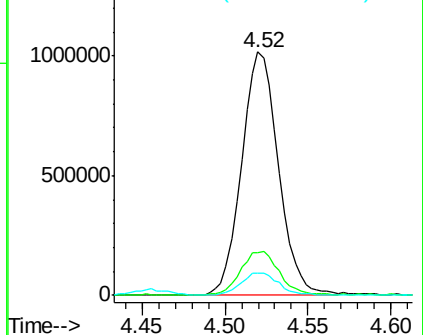
78 9.6 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.683 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL035177.D

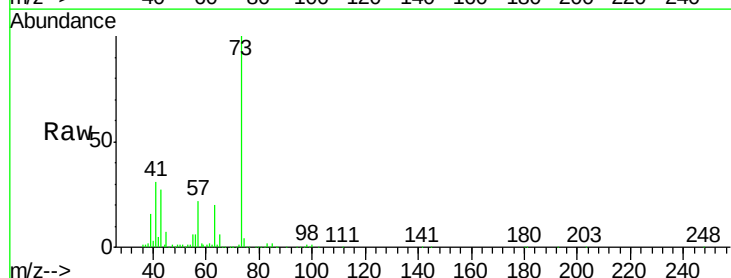
Acq: 8 Jul 2020 9:55

Tgt Ion: 73 Resp: 1773000

Ion Ratio Lower Upper

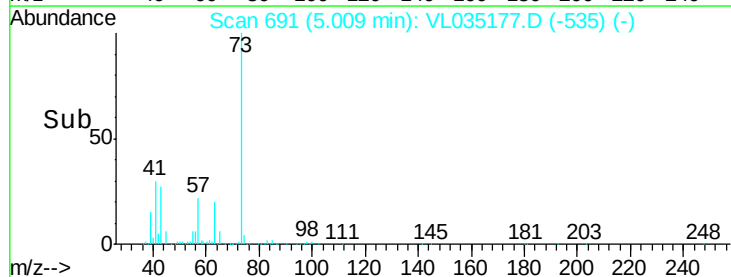
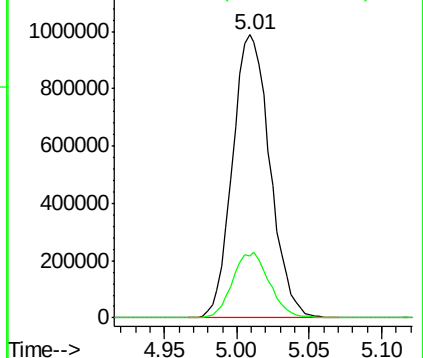
73 100

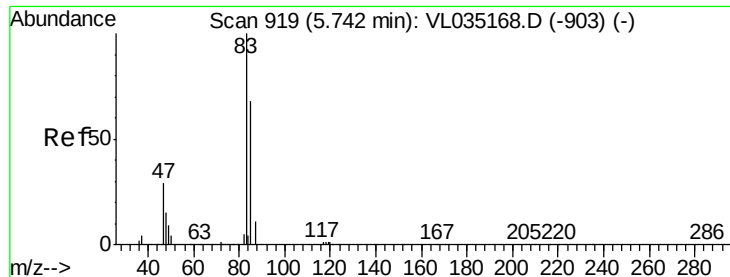
57 22.8 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

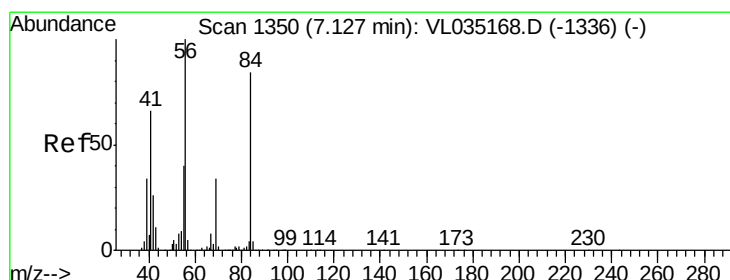
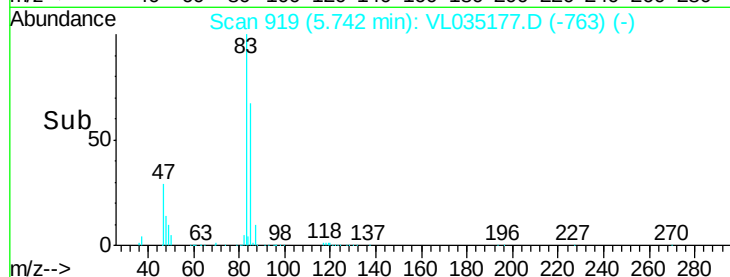
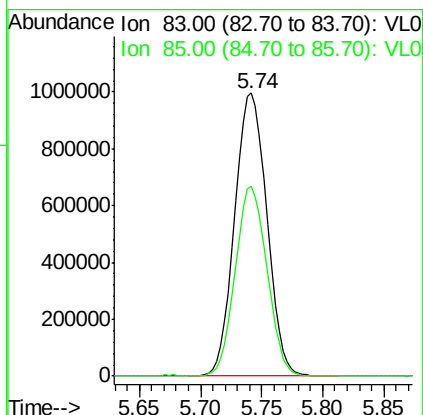
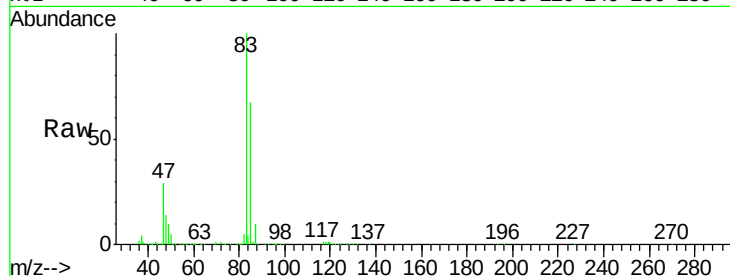




#29
Chloroform
Concen: 9.058 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

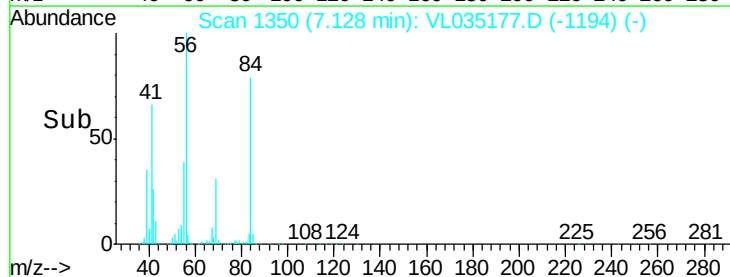
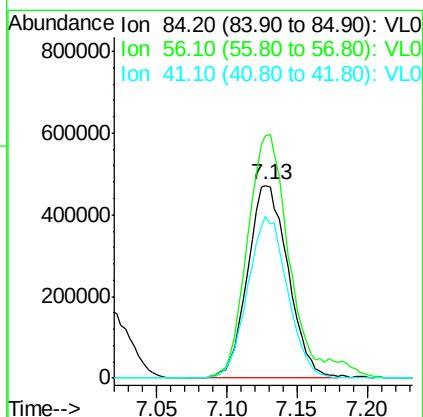
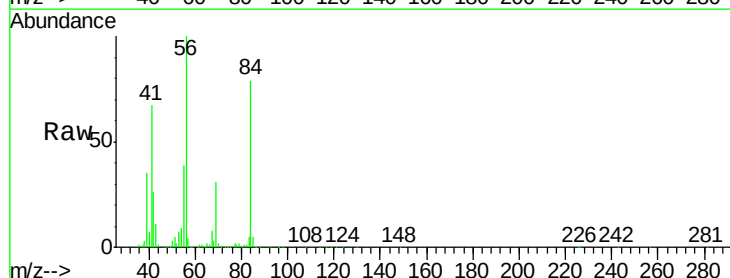
Instrument :
MSVOA_L
ClientSampleId :
VL0708ABS01

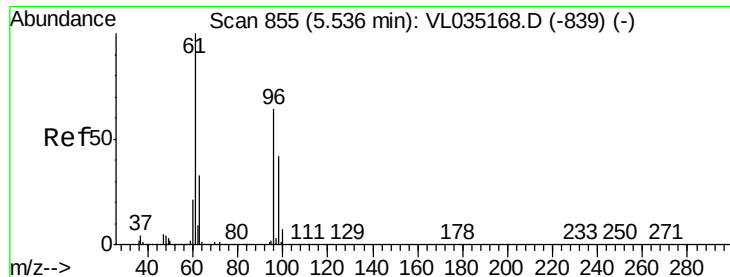
Tgt Ion: 83 Resp: 1825101
Ion Ratio Lower Upper
83 100
85 66.9 54.3 81.5



#30
Cyclohexane
Concen: 10.654 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035177.D
Acq: 8 Jul 2020 9:55

Tgt Ion: 84 Resp: 947403
Ion Ratio Lower Upper
84 100
56 133.5 105.6 158.4
41 82.5 64.9 97.3



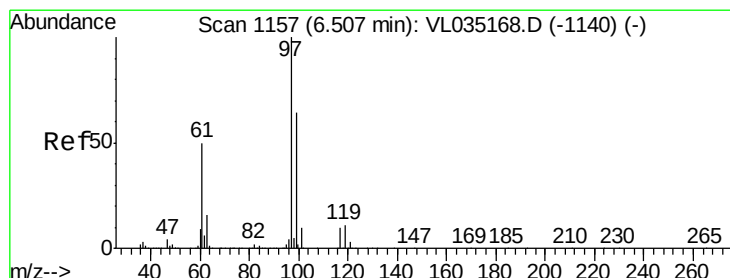
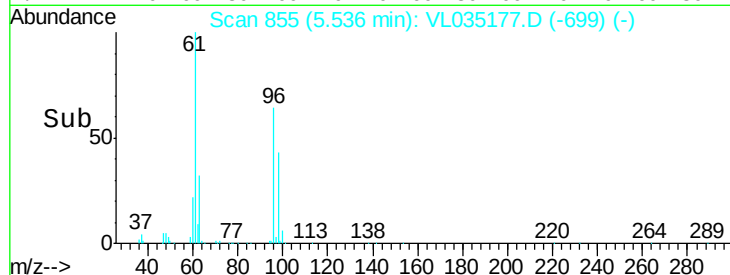
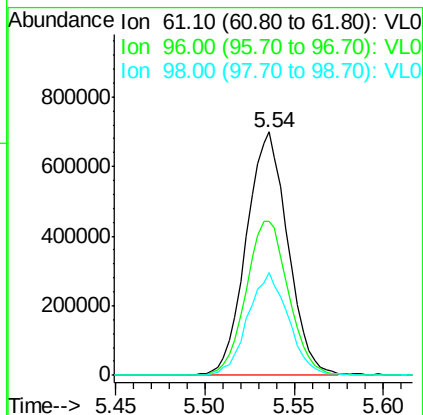
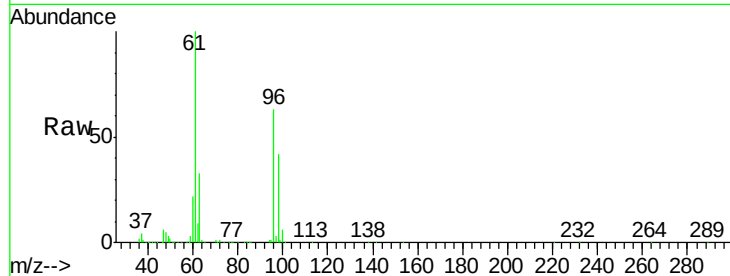


#31

cis-1,2-Dichloroethene
 Concen: 10.018 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABS01

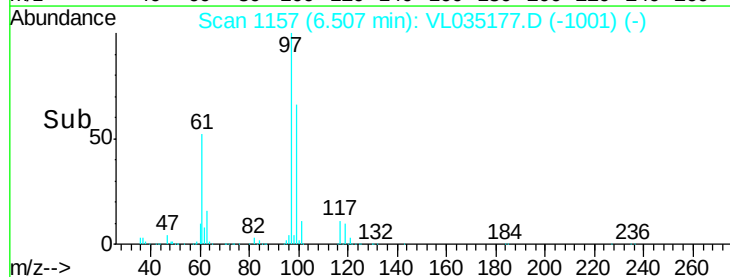
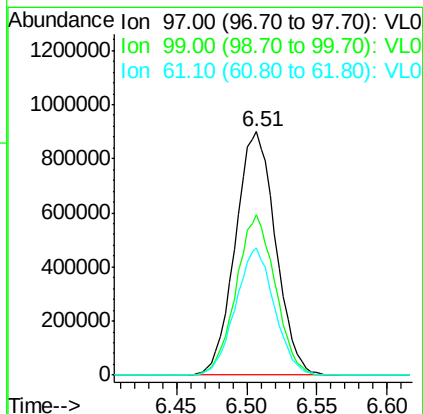
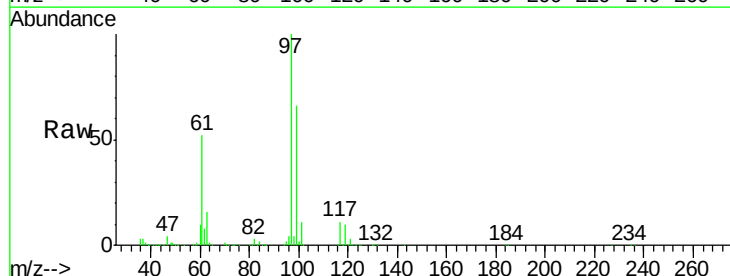
Tgt Ion: 61 Resp: 1138842
 Ion Ratio Lower Upper
 61 100
 96 63.3 51.3 76.9
 98 42.4 33.8 50.8

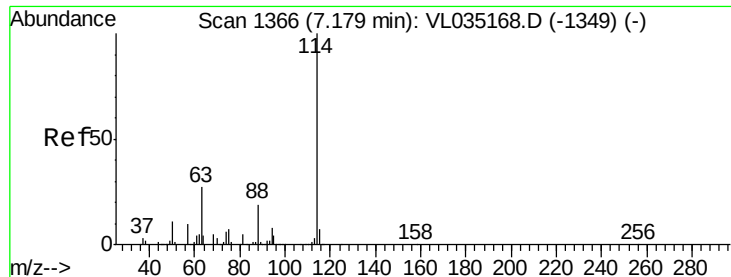


#32

1,1,1-Trichloroethane
 Concen: 8.898 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL035177.D
 Acq: 8 Jul 2020 9:55

Tgt Ion: 97 Resp: 1796794
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 50.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

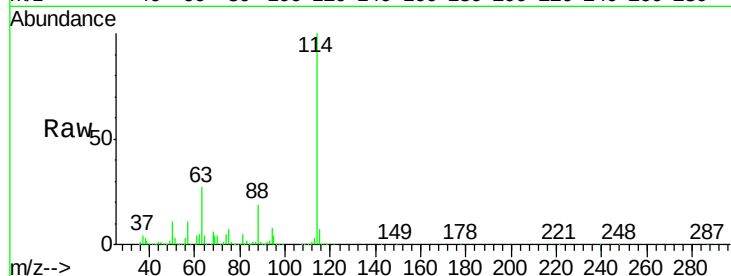
Tgt Ion:114 Resp: 3085878

Ion Ratio Lower Upper

114 100

63 27.6 22.0 33.0

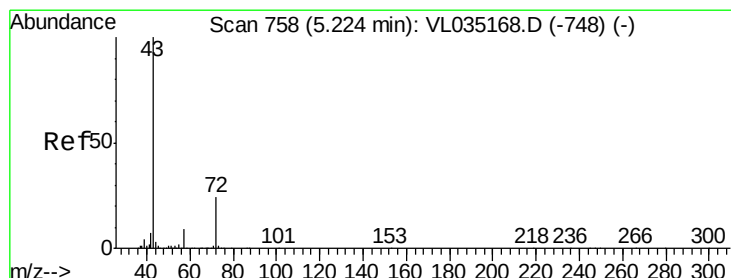
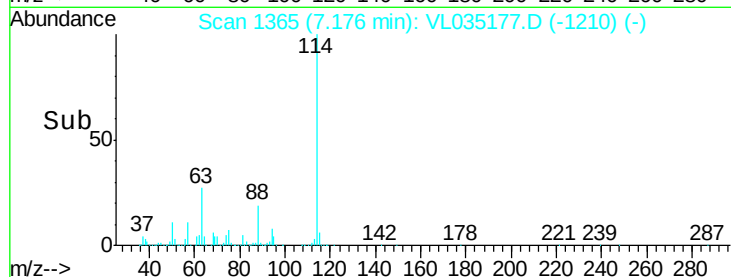
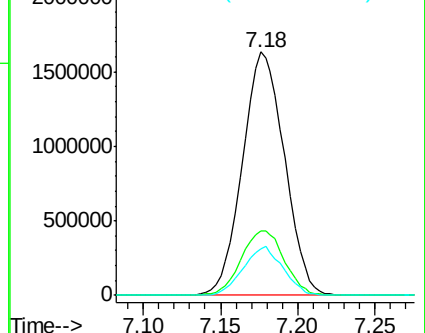
88 19.0 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.543 ppbv

RT: 5.22 min Scan# 758

Delta R.T. 0.00 min

Lab File: VL035177.D

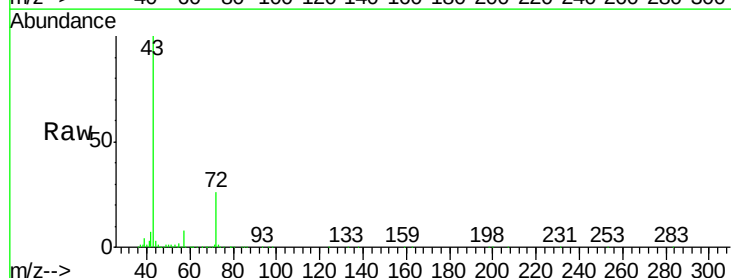
Acq: 8 Jul 2020 9:55

Tgt Ion: 43 Resp: 1571826

Ion Ratio Lower Upper

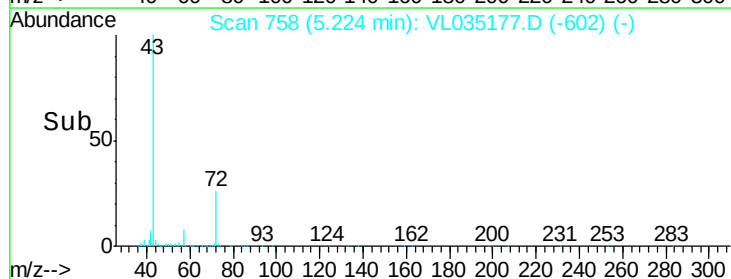
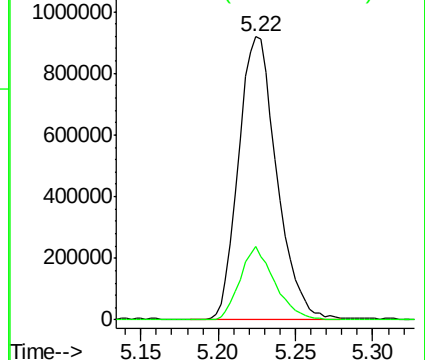
43 100

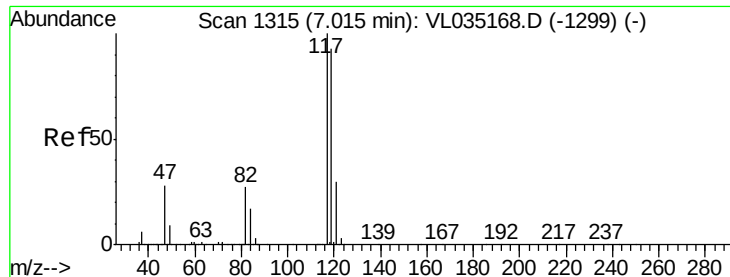
72 23.6 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.328 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

Instrument :

MSVOA_L

ClientSampleId :

VL0708ABS01

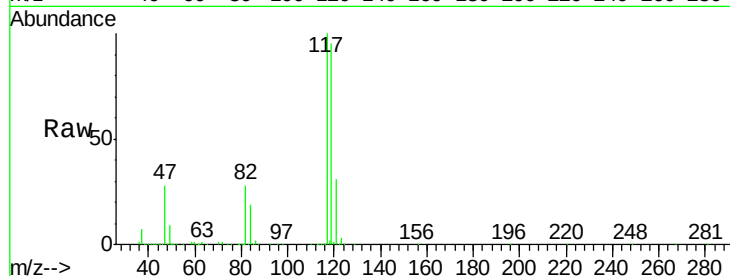
Tgt Ion:117 Resp: 1868573

Ion Ratio Lower Upper

117 100

119 95.0 74.8 112.2

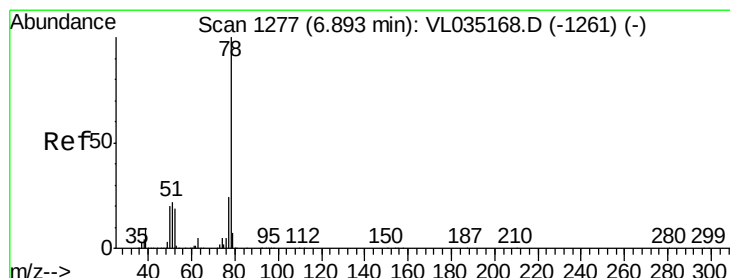
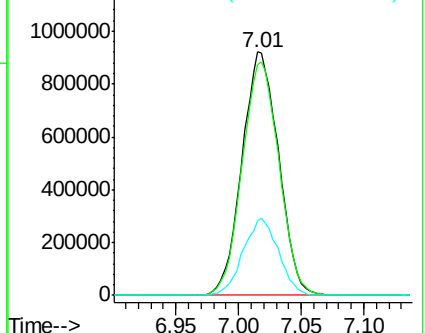
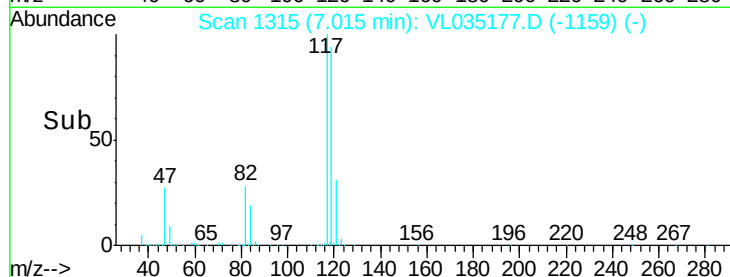
121 30.6 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.996 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035177.D

Acq: 8 Jul 2020 9:55

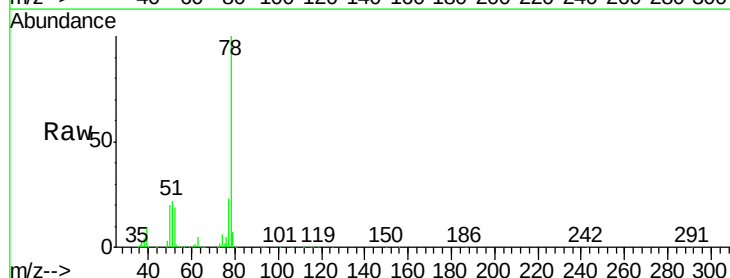
Tgt Ion: 78 Resp: 2232565

Ion Ratio Lower Upper

78 100

77 23.0 19.3 28.9

50 20.3 16.0 24.0



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

