

Data File : VL036696.D
Acq On : 6 Apr 2021 9:14
Operator : SY/AP
Sample : VL0405ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 06 10:09:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1294154	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3372157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3230304	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2543680	9.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.80%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1681617	7.967	ppbv	98
3) Chlorodifluoromethane	2.99	51	2335181	9.658	ppbv	99
4) Chloromethane	3.14	50	846430	9.911	ppbv	93
5) Vinyl Chloride	3.26	62	835861	9.518	ppbv	100
6) Bromomethane	3.47	94	452724	9.364	ppbv	97
7) Chloroethane	3.56	64	287077	9.514	ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	1899919	9.431	ppbv	97
9) Propene	3.01	41	787363	10.214	ppbv	99
10) Heptane	8.12	43	2029762	10.336	ppbv	100
11) Trichlorofluoromethane	3.95	101	1949874	9.064	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1330924	9.677	ppbv	99
13) Ethanol	3.61	45	99020	10.787	ppbv	99
14) Bromoethene	3.74	108	549734	9.615	ppbv	98
15) Acetone	3.85	43	798269	6.267	ppbv #	72
16) 1,3-Butadiene	3.32	39	986224	11.121	ppbv	90
17) tert-Butyl alcohol	4.29	59	1225179	11.049	ppbv	100
18) 1,1-Dichloroethene	4.29	96	589032	9.628	ppbv	96
19) Isopropyl Alcohol	3.97	45	743101	10.605	ppbv	98
20) Methylene Chloride	4.34	84	520208	8.723	ppbv	97
21) Allyl Chloride	4.41	41	1020117	10.047	ppbv	94
22) trans-1,2-Dichloroethene	4.89	96	594791	10.487	ppbv	94
23) Vinyl Acetate	5.07	43	3495398	16.043	ppbv #	93
24) 1,1-Dichloroethane	5.01	63	1509813	9.507	ppbv	99
25) Ethyl Acetate	5.68	43	3195664	10.553	ppbv	99
26) Hexane	5.69	57	1563503	11.126	ppbv	95
27) Carbon Disulfide	4.55	76	1400510	10.117	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1699728	10.256	ppbv	99
29) Chloroform	5.75	83	2200761	9.792	ppbv	98
30) Cyclohexane	7.13	84	1242297	10.900	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1427045	10.499	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2243374	9.905	ppbv	99
34) 2-Butanone	5.24	43	1516055	9.210	ppbv	98
35) Carbon Tetrachloride	7.02	117	2336001	9.019	ppbv	99
36) Benzene	6.89	78	3010903	9.681	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1692065	9.244	ppbv	100
38) Trichloroethene	7.83	130	1096813	9.062	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1154256	9.149	ppbv	96
40) 1,4-Dioxane	7.83	88	282288	9.614	ppbv	78
41) Tetrahydrofuran	6.05	42	754690	9.944	ppbv	96
42) Bromodichloromethane	7.79	83	2350469	9.440	ppbv	97
43) Methyl Methacrylate	8.01	69	1104679	10.578	ppbv	98

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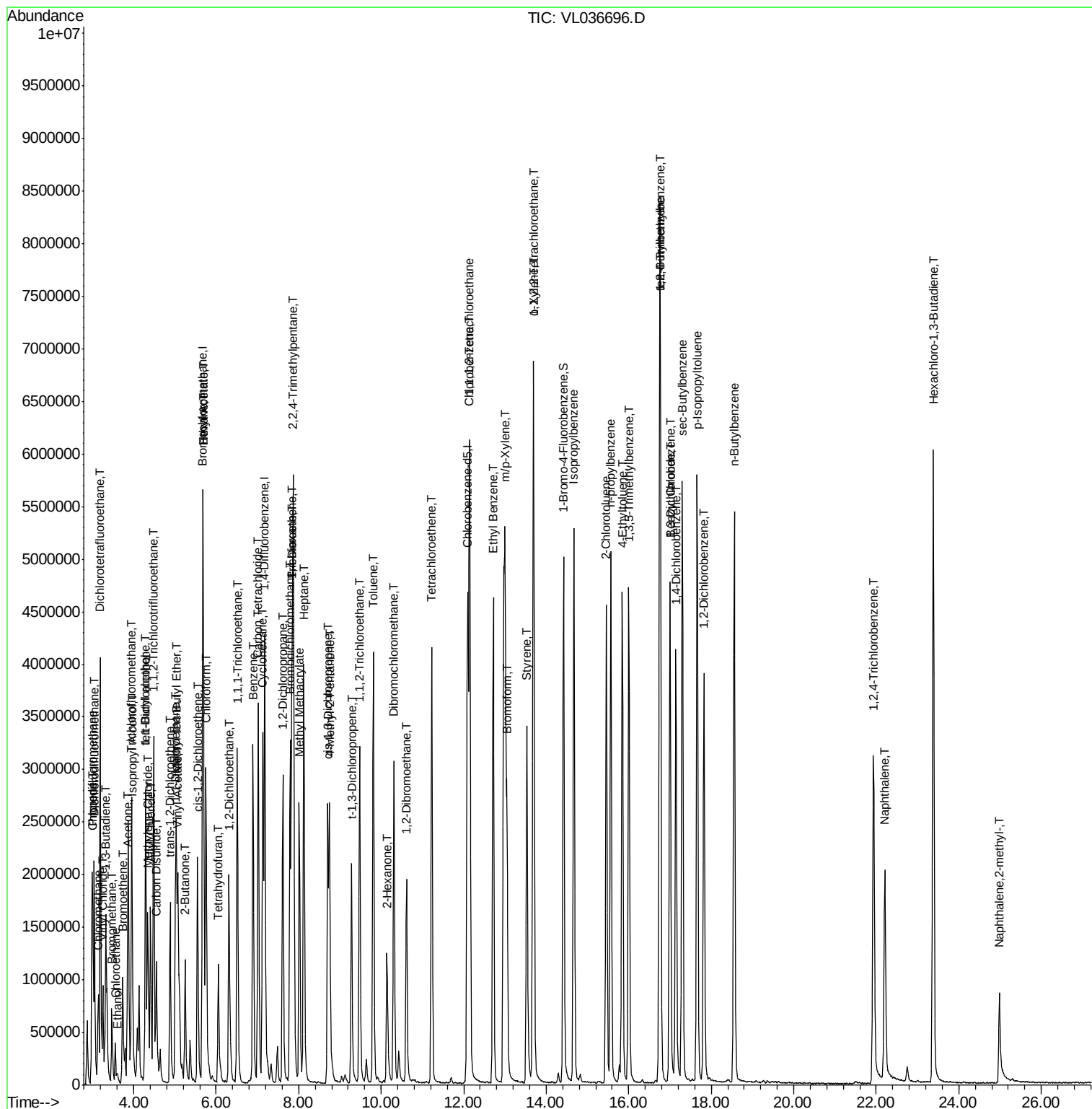
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5732510	10.473	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1307543	10.965	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1625071	10.661	ppbv	100
47) 1,1,2-Trichloroethane	9.48	97	1187353	9.292	ppbv	98
48) Dibromochloromethane	10.31	129	1988495	10.208	ppbv	100
49) Bromoform	13.05	173	1598314	10.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2358254	9.901	ppbv	99
51) 2-Hexanone	10.14	43	1298783	10.806	ppbv #	100
52) Tetrachloroethene	11.23	164	1026232	8.961	ppbv	95
53) Toluene	9.81	91	3359667	10.144	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1741182	9.649	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1326863	9.081	ppbv	98
57) Chlorobenzene	12.15	112	2431094	8.845	ppbv	98
58) Ethyl Benzene	12.72	91	4386809	9.334	ppbv	99
59) m/p-Xylene	13.00	91	3281905	8.006	ppbv #	13
60) o-Xylene	13.70	91	3485813	8.795	ppbv	100
61) Styrene	13.53	104	2112211	10.593	ppbv	99
62) Isopropylbenzene	14.67	105	4782370	8.960	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2422800	8.013	ppbv	99
64) n-propylbenzene	15.57	120	1236475	9.475	ppbv	99
65) tert-Butylbenzene	16.75	119	4154482	8.976	ppbv	99
66) Benzyl Chloride	17.00	91	632041	12.355	ppbv	99
67) sec-Butylbenzene	17.30	105	5774592	8.839	ppbv	100
69) p-Isopropyltoluene	17.66	119	4800977	9.411	ppbv	99
70) n-Butylbenzene	18.56	91	4841830	9.153	ppbv	99
71) 2-Chlorotoluene	15.46	91	3637418	9.095	ppbv	100
72) 4-Ethyltoluene	15.84	105	4090379	9.418	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3731893	9.207	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3847389	8.869	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2198658	9.005	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2152802	8.880	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2094933	9.128	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1656539	8.059	ppbv	99
79) Naphthalene	22.20	128	2736781	10.812	ppbv	98
80) Naphthalene,2-methyl-	24.99	142	784340	15.714	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1560529	9.985	ppbv	99

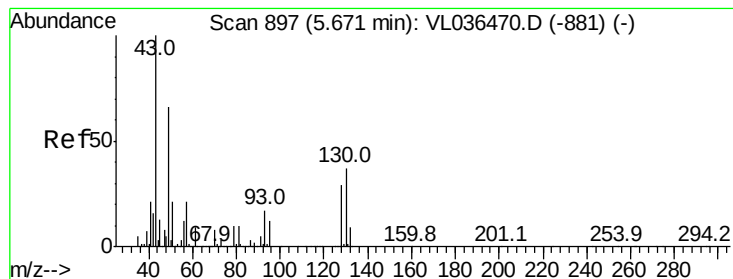
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

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MSVOA_L
ClientSampleId :

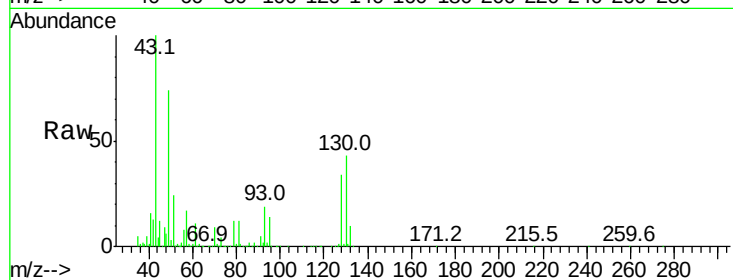
Tgt Ion: 49 Resp: 1294154

Ion Ratio Lower Upper

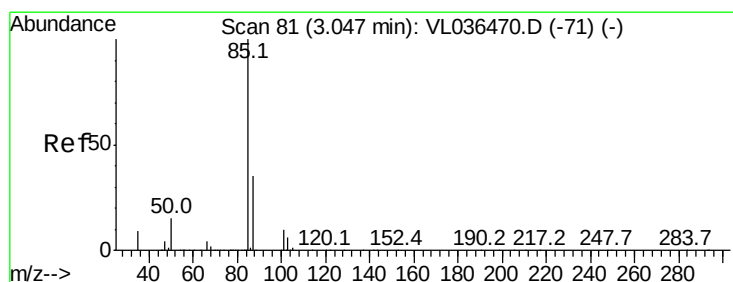
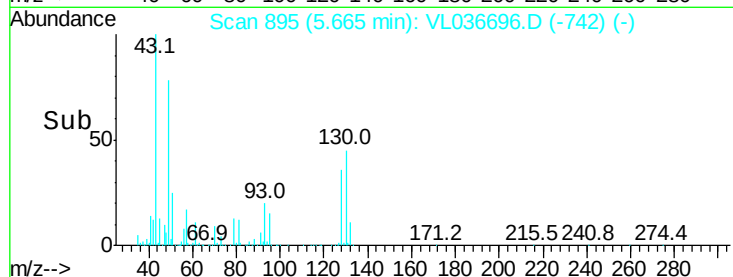
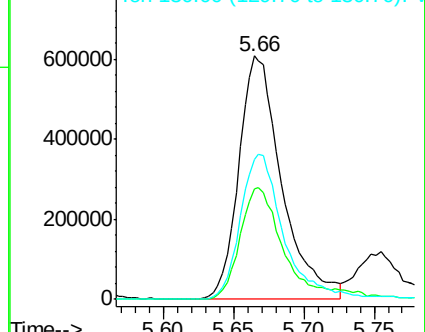
49 100

128 49.3 23.5 70.6

130 61.3 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.967 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036696.D

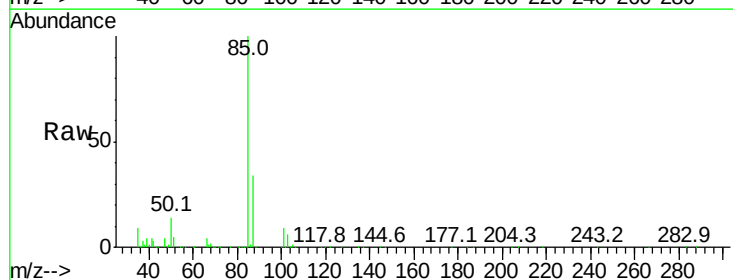
Acq: 6 Apr 2021 9:14

Tgt Ion: 85 Resp: 1681617

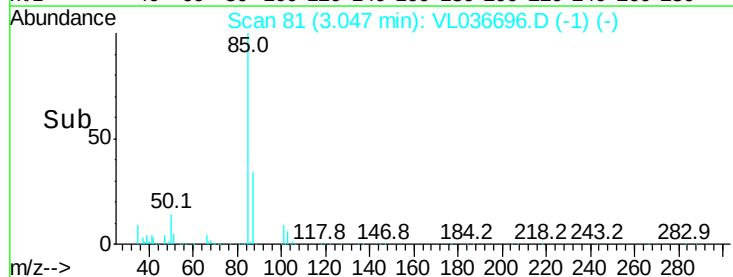
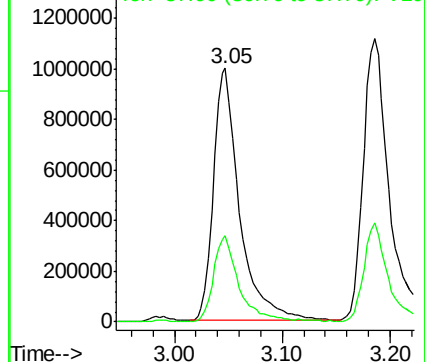
Ion Ratio Lower Upper

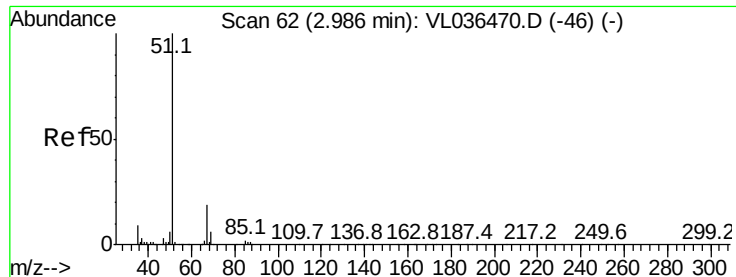
85 100

87 33.9 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

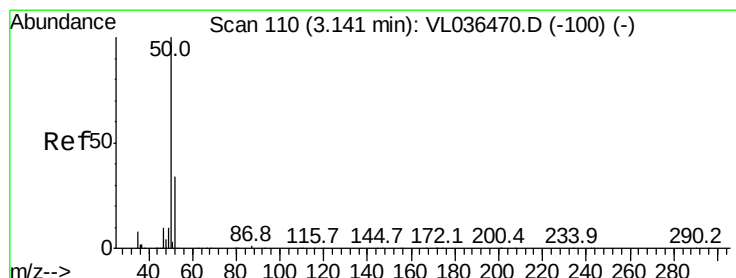
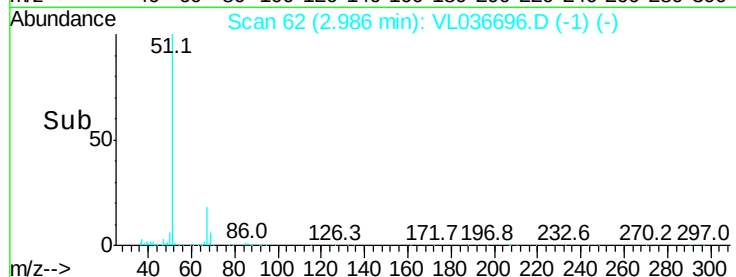
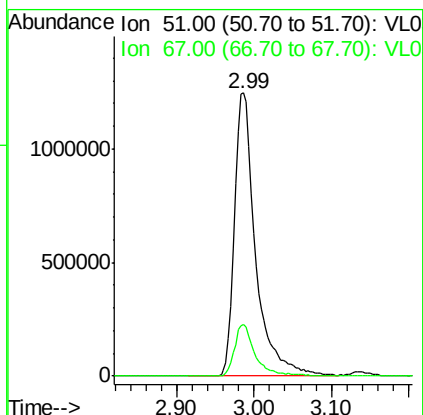
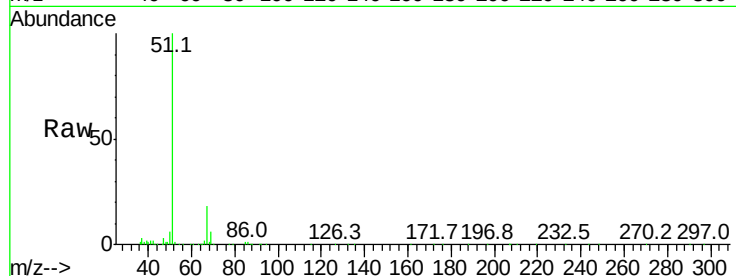




#3
 Chlorodifluoromethane
 Concen: 9.658 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

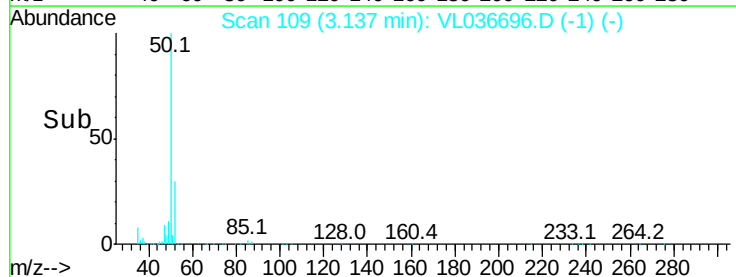
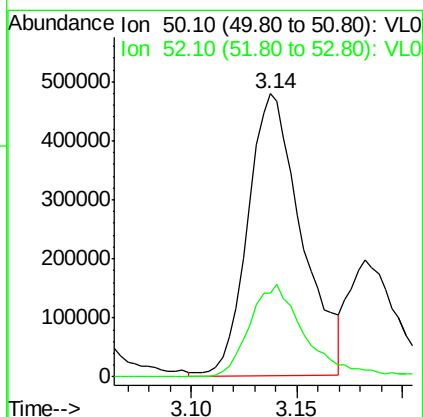
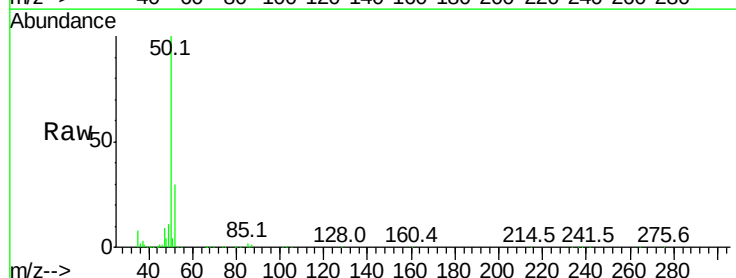
Instrument :
 MSVOA_L
 ClientSampleId :

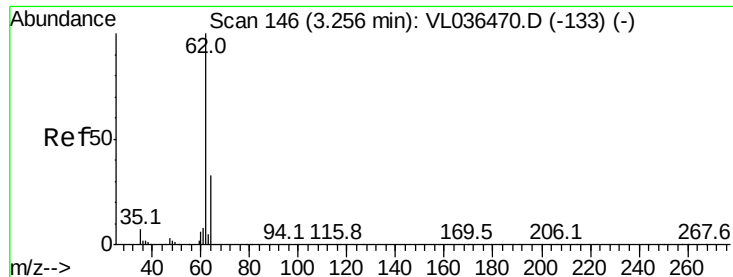
Tgt Ion: 51 Resp: 2335181
 Ion Ratio Lower Upper
 51 100
 67 17.9 14.7 22.1



#4
 Chloromethane
 Concen: 9.911 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion: 50 Resp: 846430
 Ion Ratio Lower Upper
 50 100
 52 30.0 27.0 40.6





#5

Vinyl Chloride

Concen: 9.518 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

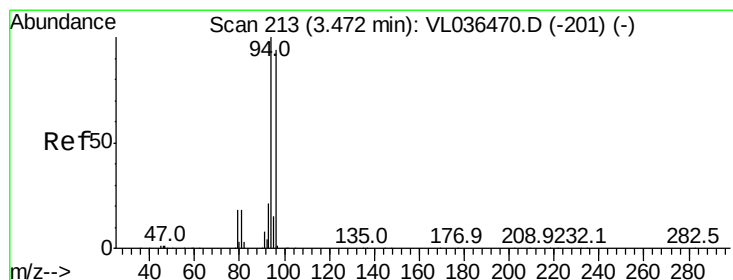
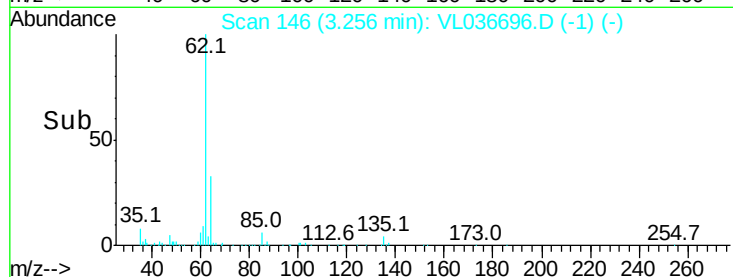
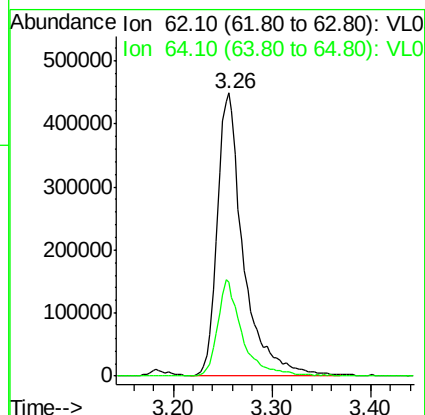
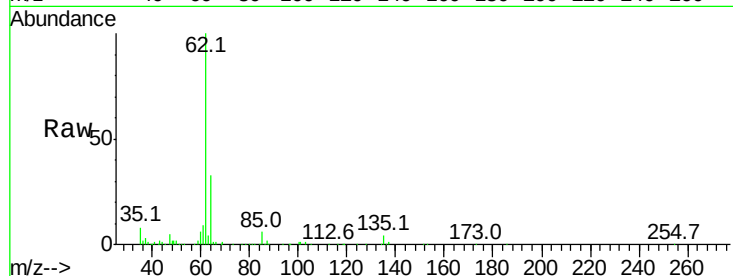
ClientSampleId :

Tgt Ion: 62 Resp: 835861

Ion Ratio Lower Upper

62 100

64 33.1 26.4 39.6



#6

Bromomethane

Concen: 9.364 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036696.D

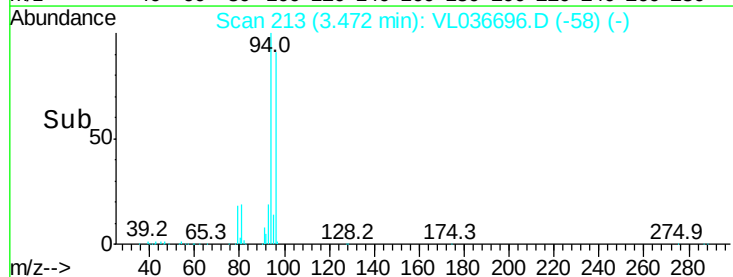
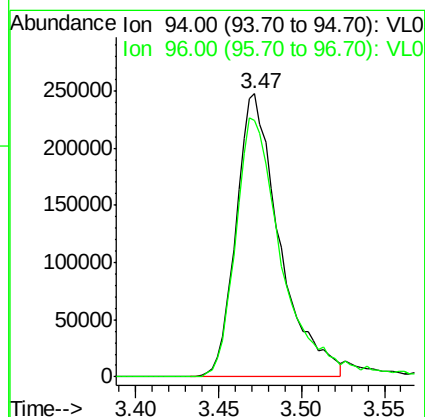
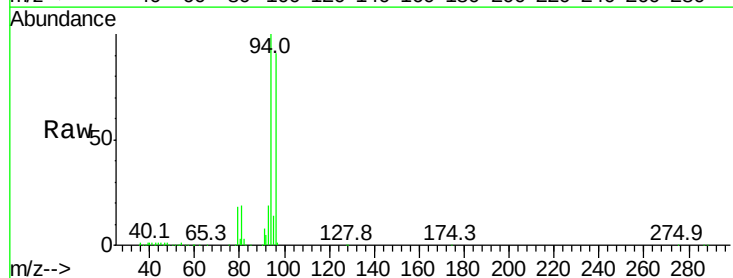
Acq: 6 Apr 2021 9:14

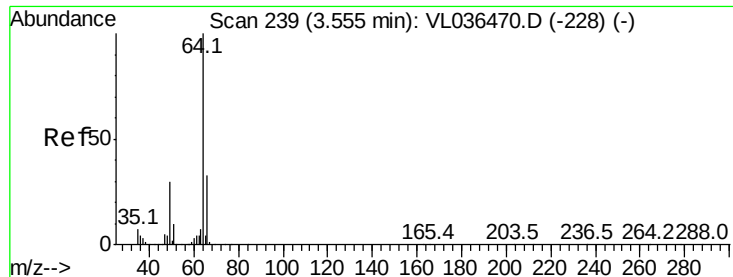
Tgt Ion: 94 Resp: 452724

Ion Ratio Lower Upper

94 100

96 90.7 74.9 112.3





#7

Chloroethane

Concen: 9.514 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

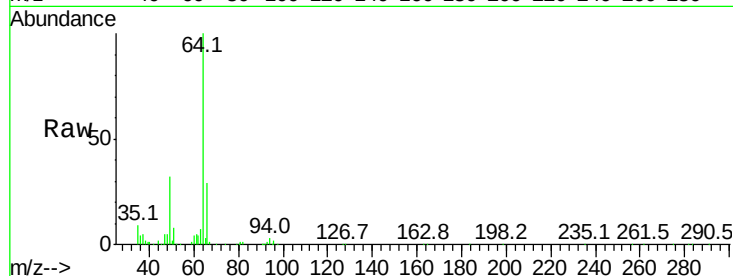
ClientSampleId :

Tgt Ion: 64 Resp: 287077

Ion Ratio Lower Upper

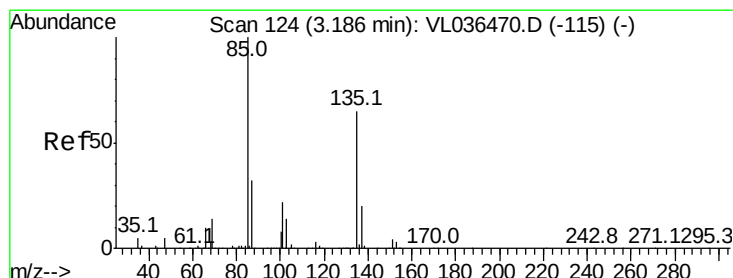
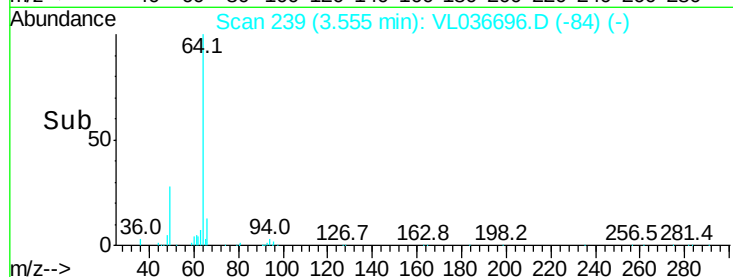
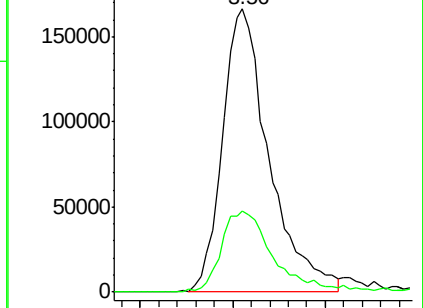
64 100

66 28.8 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.431 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036696.D

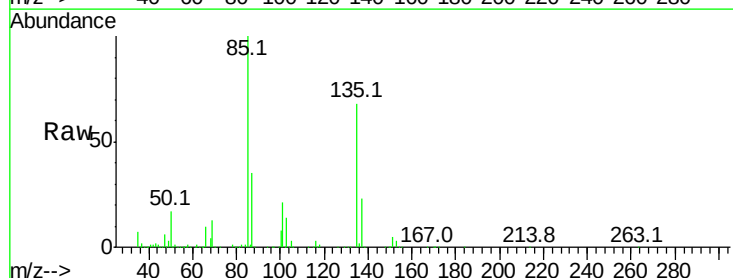
Acq: 6 Apr 2021 9:14

Tgt Ion: 85 Resp: 1899919

Ion Ratio Lower Upper

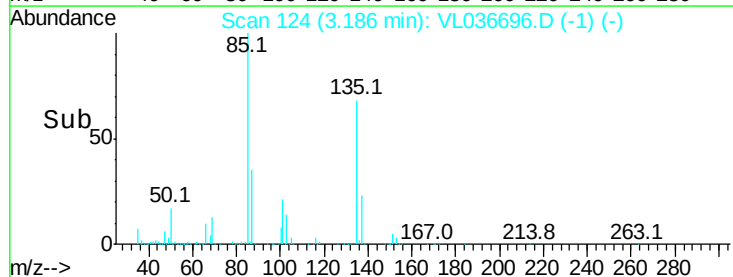
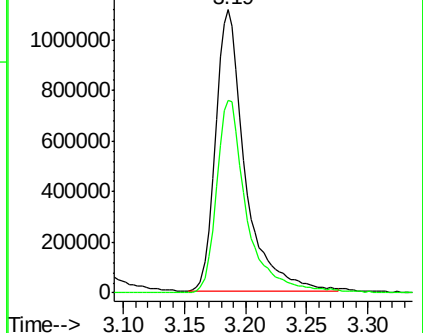
85 100

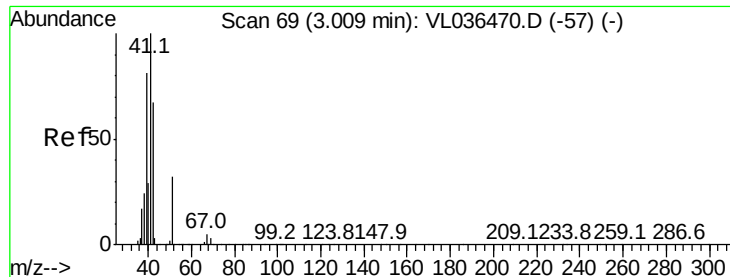
135 70.7 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.214 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

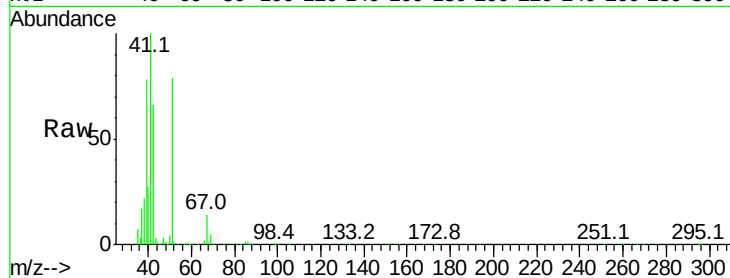
ClientSampleId :

Tgt Ion: 41 Resp: 787363

Ion Ratio Lower Upper

41 100

42 70.1 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

500000

400000

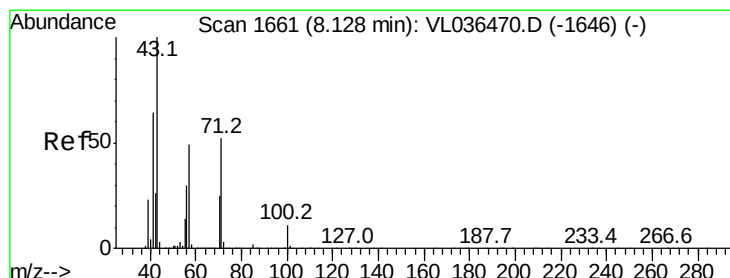
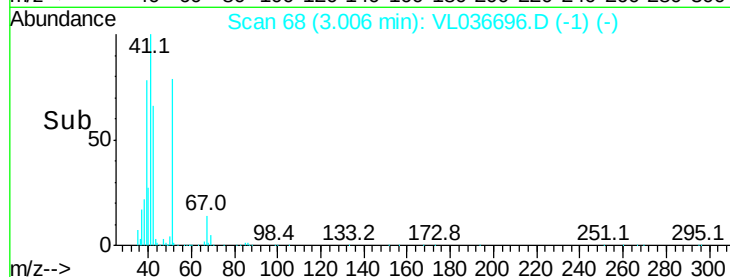
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.336 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036696.D

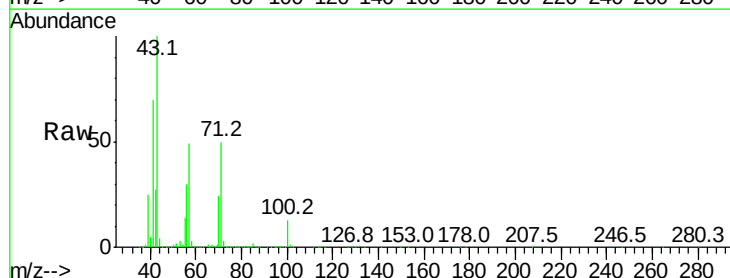
Acq: 6 Apr 2021 9:14

Tgt Ion: 43 Resp: 2029762

Ion Ratio Lower Upper

43 100

57 49.1 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

1000000

800000

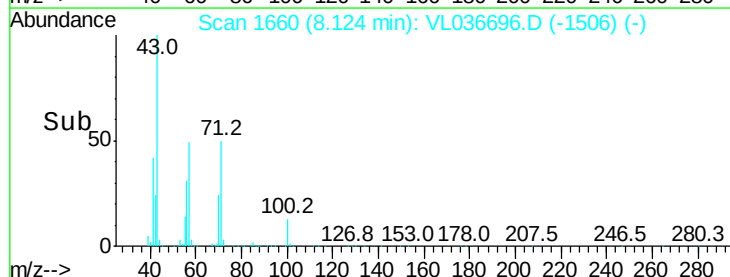
600000

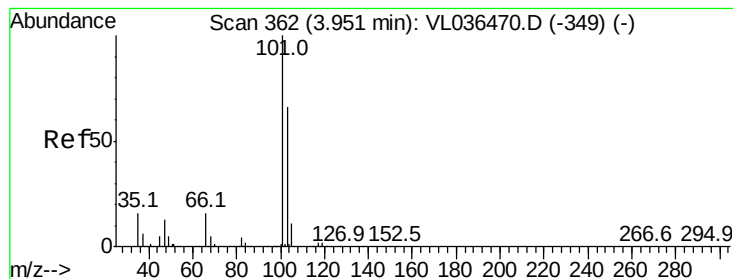
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.064 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

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Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

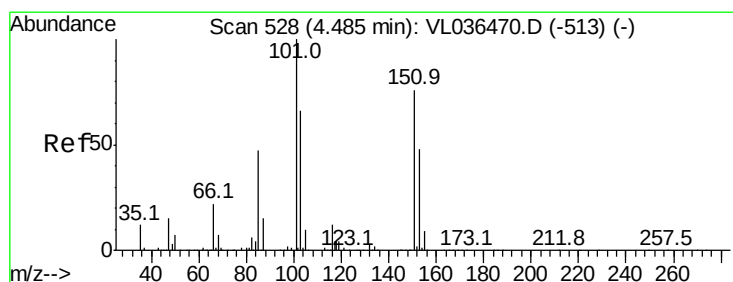
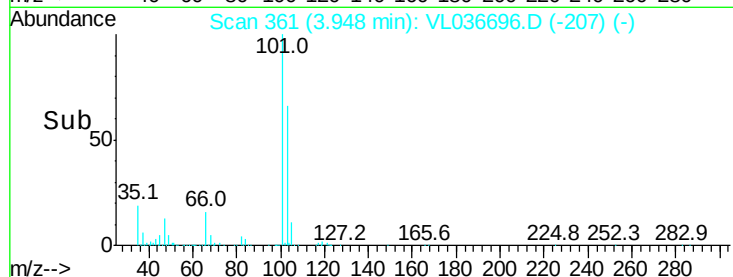
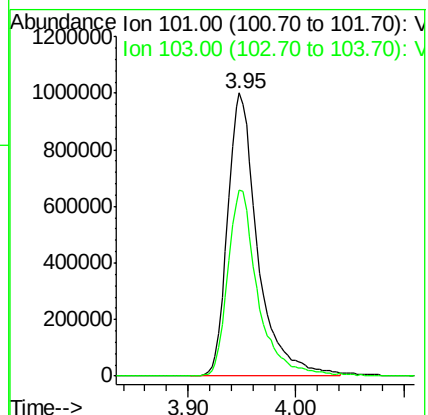
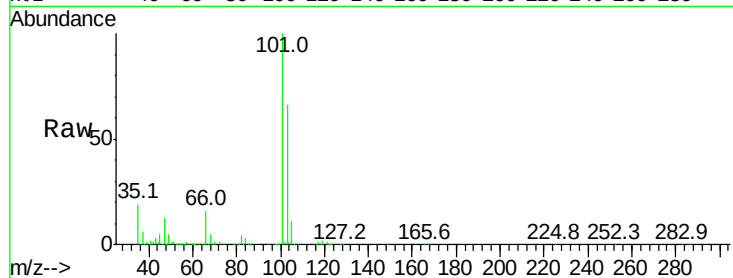
ClientSampleId :

Tgt Ion:101 Resp: 1949874

Ion Ratio Lower Upper

101 100

103 65.5 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.677 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.00 min

Lab File: VL036696.D

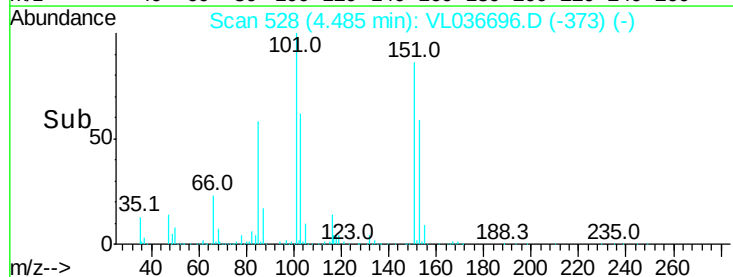
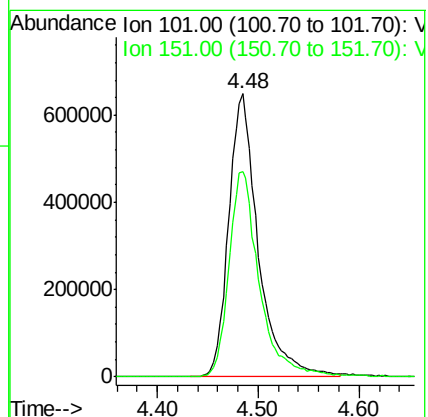
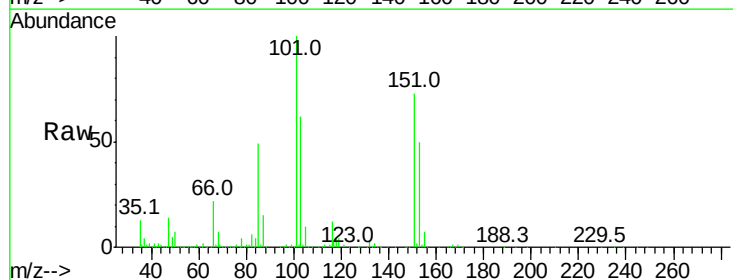
Acq: 6 Apr 2021 9:14

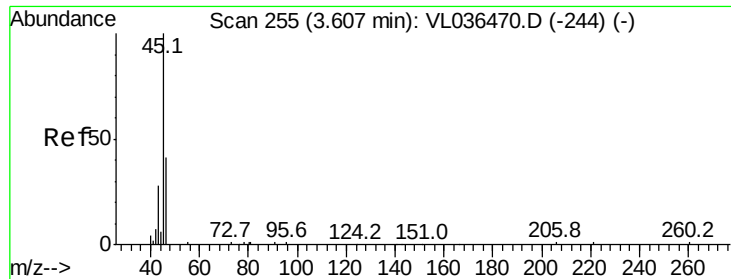
Tgt Ion:101 Resp: 1330924

Ion Ratio Lower Upper

101 100

151 74.9 60.9 91.3





#13

Ethanol

Concen: 10.787 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

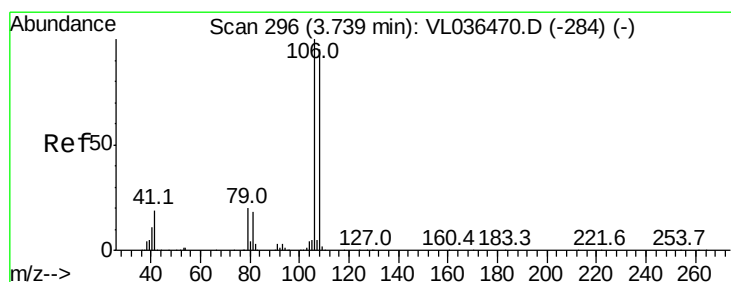
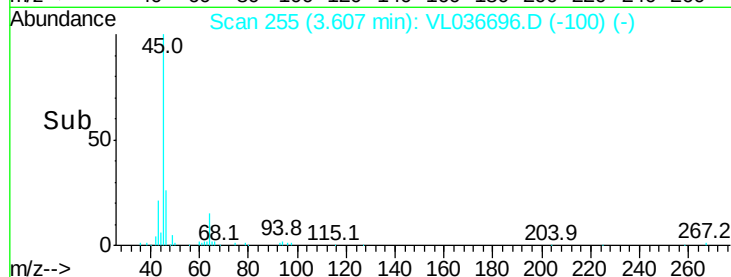
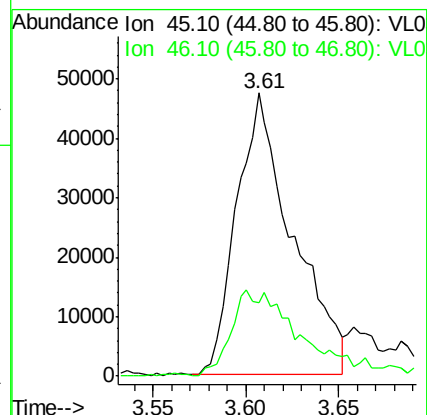
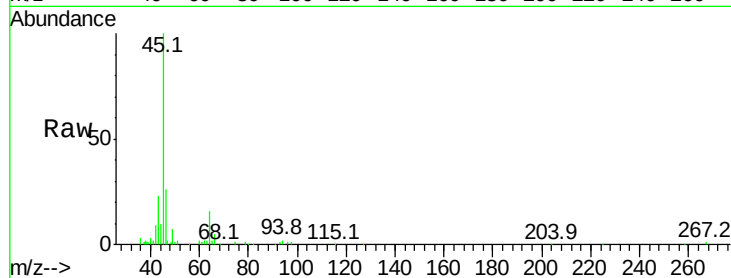
ClientSampleId :

Tgt Ion: 45 Resp: 99020

Ion Ratio Lower Upper

45 100

46 40.9 16.6 66.2



#14

Bromoethene

Concen: 9.615 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

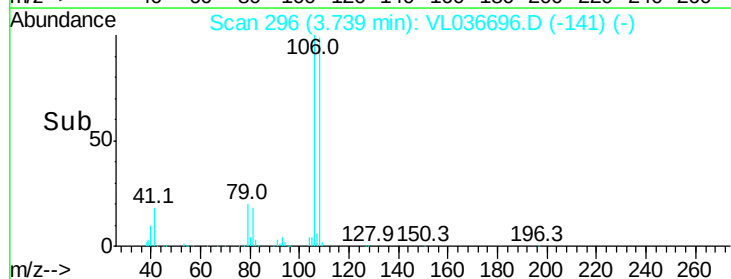
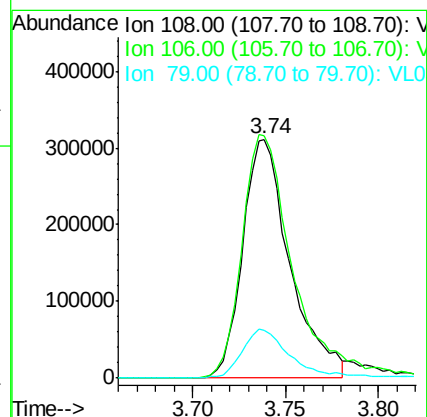
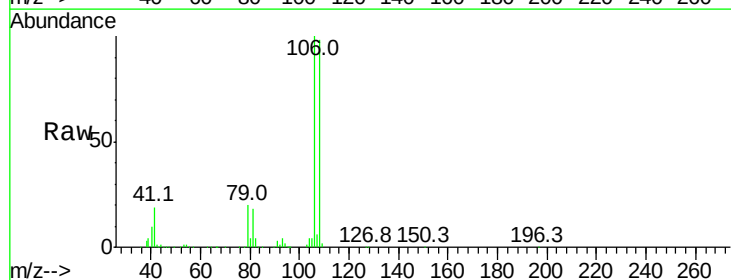
Tgt Ion: 108 Resp: 549734

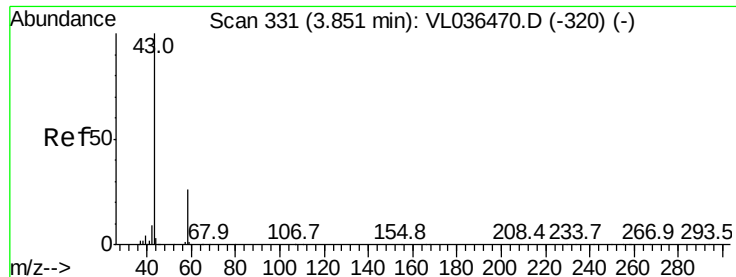
Ion Ratio Lower Upper

108 100

106 113.3 89.0 133.6

79 21.7 16.6 25.0





#15

Acetone

Concen: 6.267 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

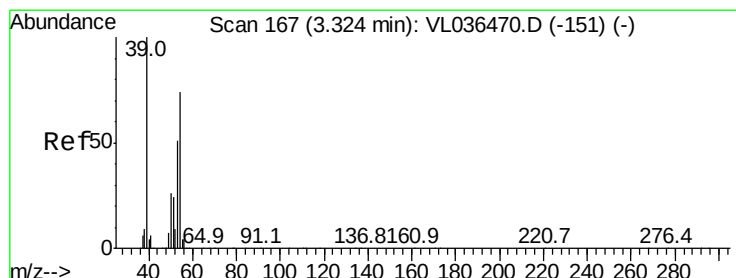
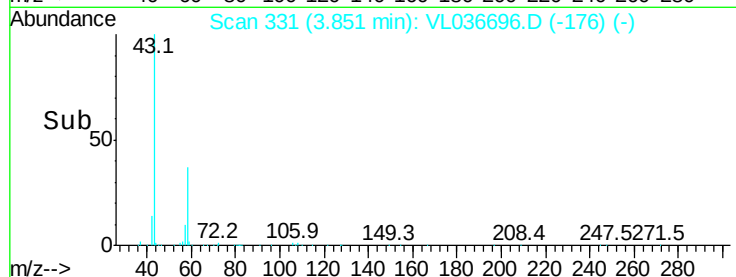
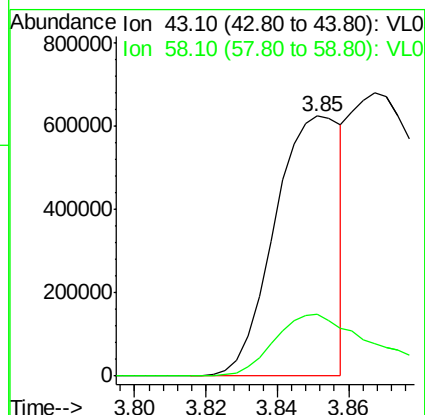
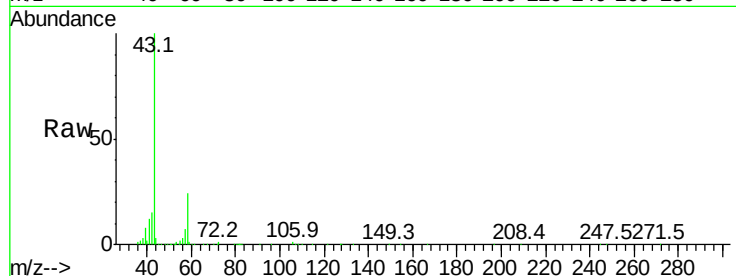
ClientSampleId :

Tgt Ion: 43 Resp: 798269

Ion Ratio Lower Upper

43 100

58 41.0 21.2 31.8#



#16

1,3-Butadiene

Concen: 11.121 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL036696.D

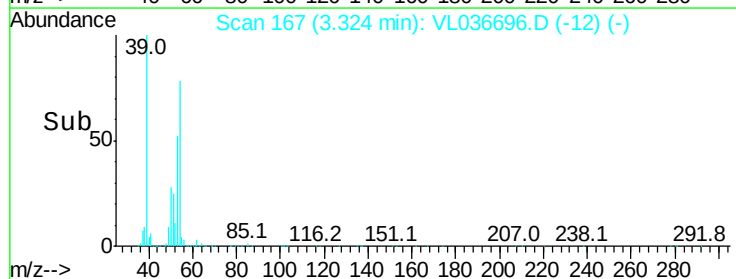
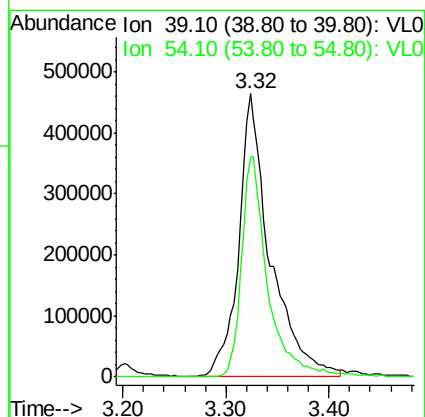
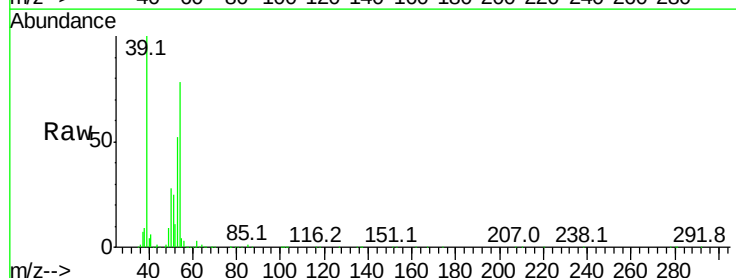
Acq: 6 Apr 2021 9:14

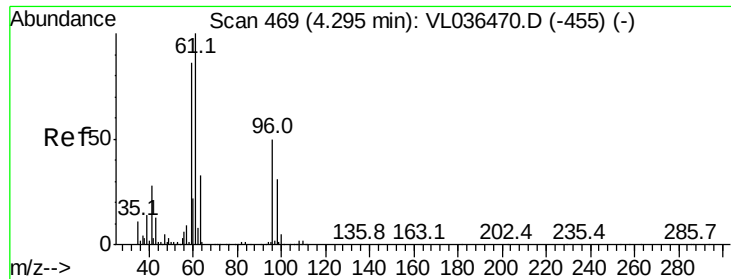
Tgt Ion: 39 Resp: 986224

Ion Ratio Lower Upper

39 100

54 65.3 58.8 88.2

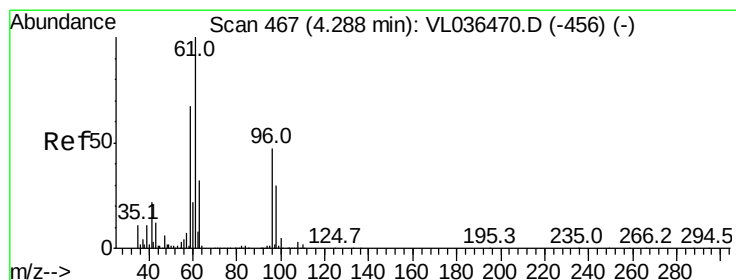
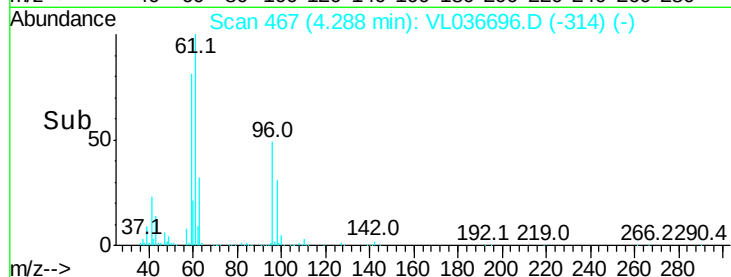
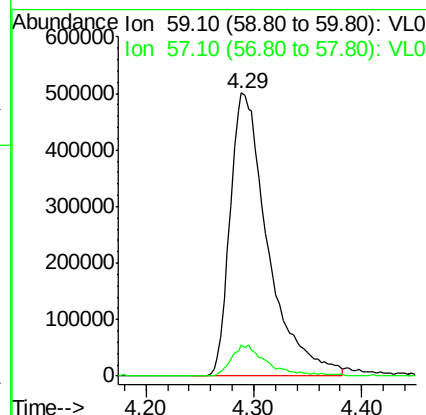
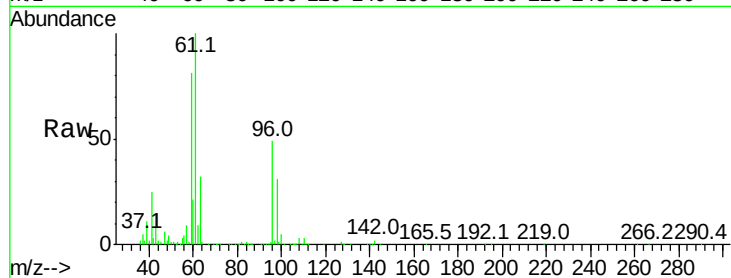




#17
 tert-Butyl alcohol
 Concen: 11.049 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

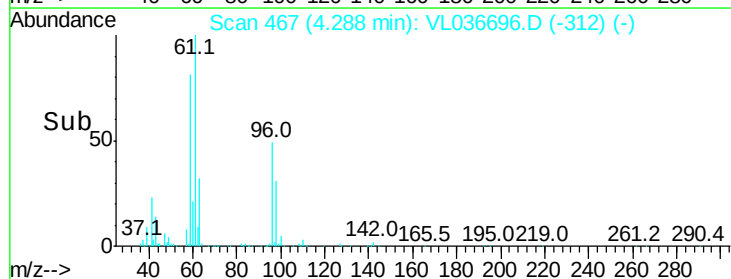
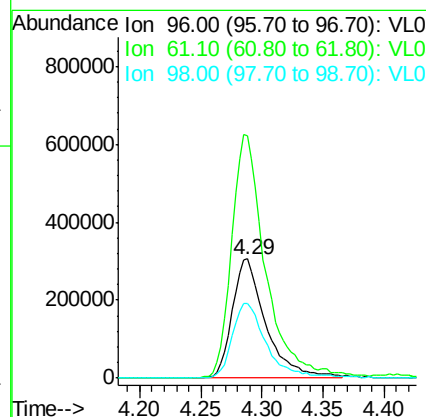
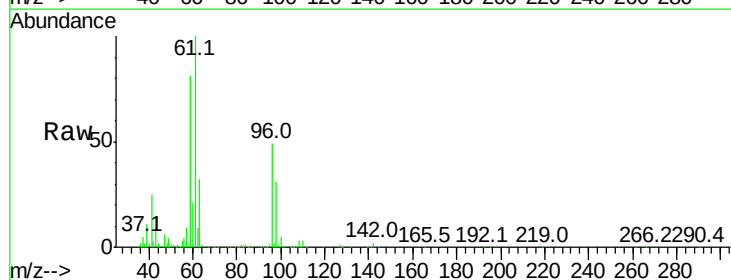
Instrument :
 MSVOA_L
 ClientSampled :

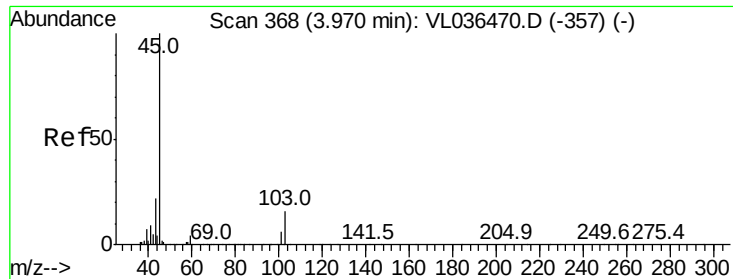
Tgt Ion: 59 Resp: 1225179
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 12.8



#18
 1,1-Dichloroethene
 Concen: 9.628 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion: 96 Resp: 589032
 Ion Ratio Lower Upper
 96 100
 61 203.5 168.6 253.0
 98 62.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 10.605 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

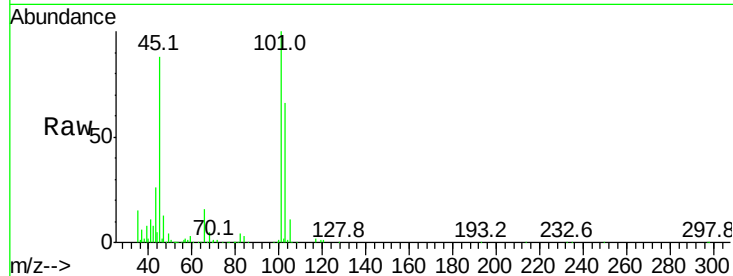
ClientSampleId :

Tgt Ion: 45 Resp: 743101

Ion Ratio Lower Upper

45 100

58 2.9 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

300000

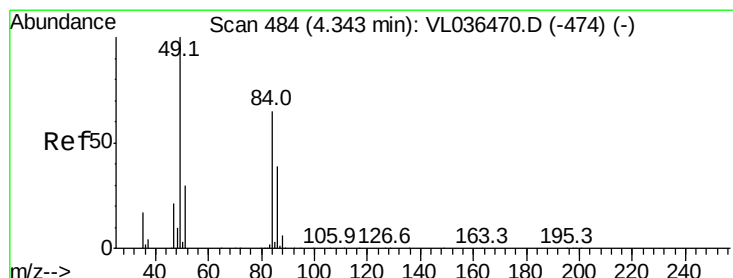
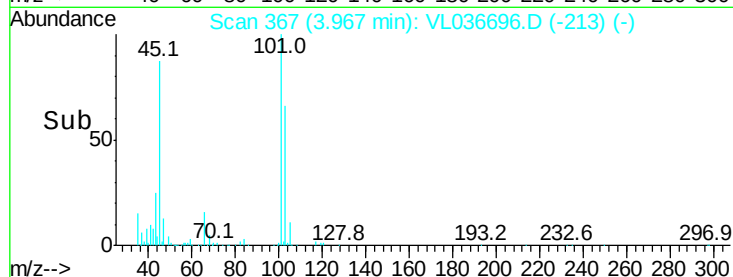
200000

100000

0

Time-->

3.90 4.00 4.10



#20

Methylene Chloride

Concen: 8.723 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Tgt Ion: 84 Resp: 520208

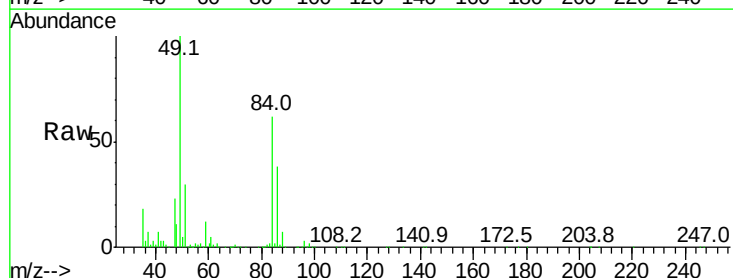
Ion Ratio Lower Upper

84 100

49 158.8 122.9 184.3

51 47.1 36.9 55.3

86 61.6 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

600000

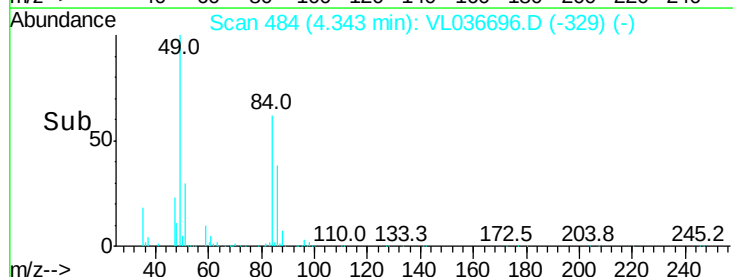
400000

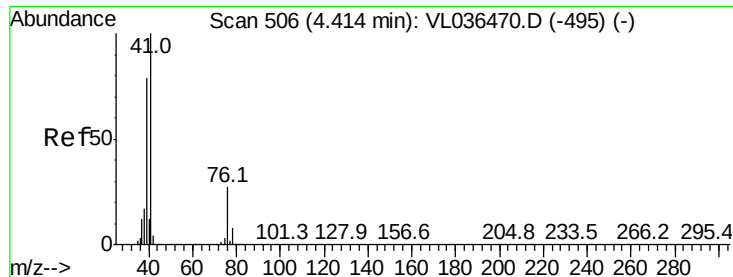
200000

0

Time-->

4.30 4.35 4.40

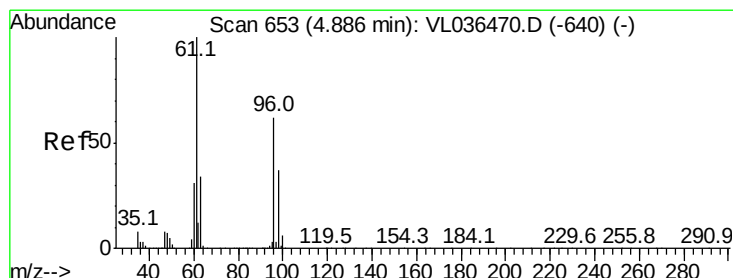
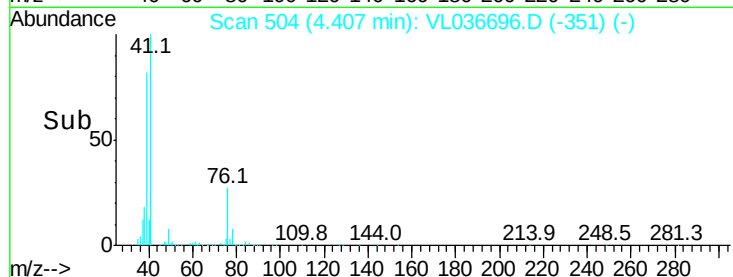
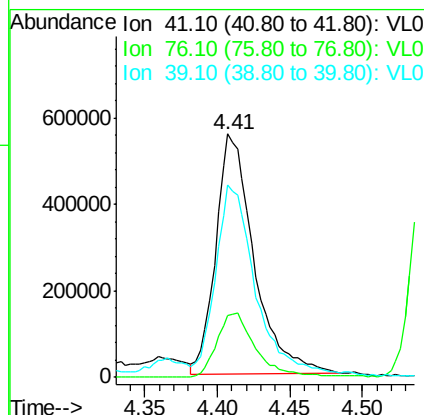
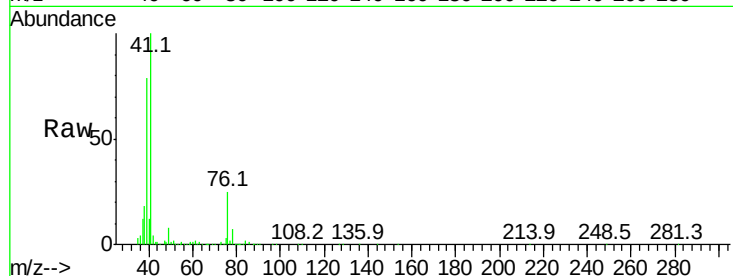




#21
 Allyl Chloride
 Concen: 10.047 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

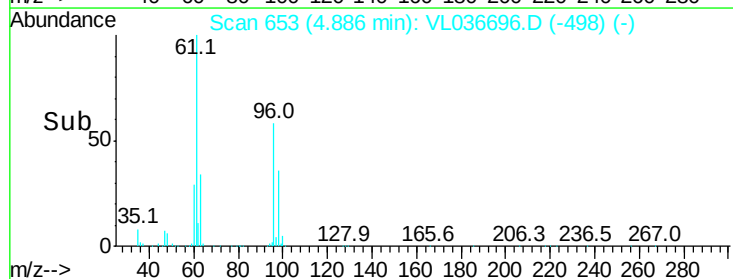
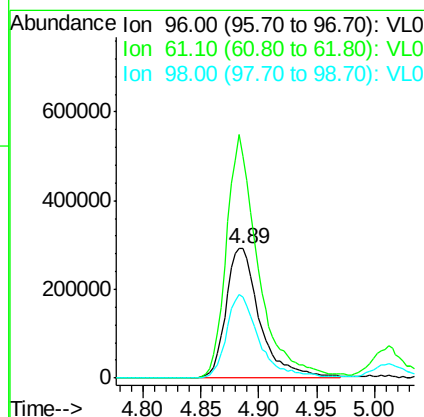
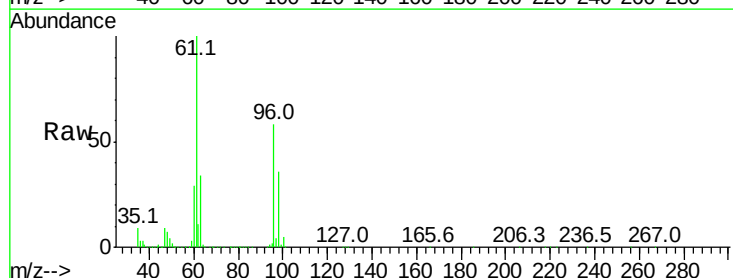
Instrument :
 MSVOA_L
 ClientSampleId :

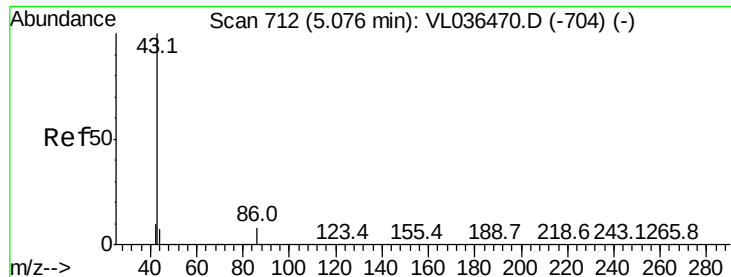
Tgt Ion: 41 Resp: 1020117
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.9 34.3
 39 90.7 67.3 100.9



#22
 trans-1,2-Dichloroethene
 Concen: 10.487 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion: 96 Resp: 594791
 Ion Ratio Lower Upper
 96 100
 61 171.4 129.4 194.0
 98 62.1 48.2 72.4





#23

Vinyl Acetate

Concen: 16.043 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

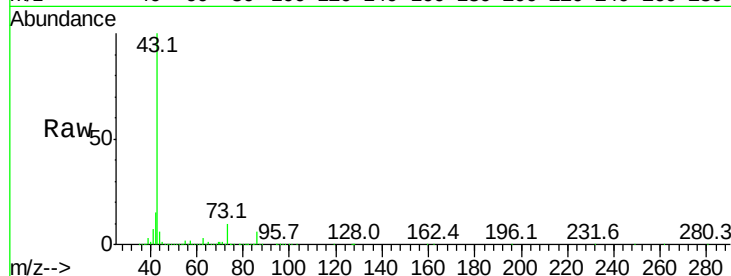
Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

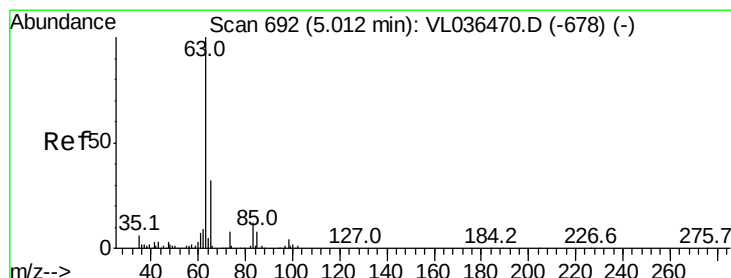
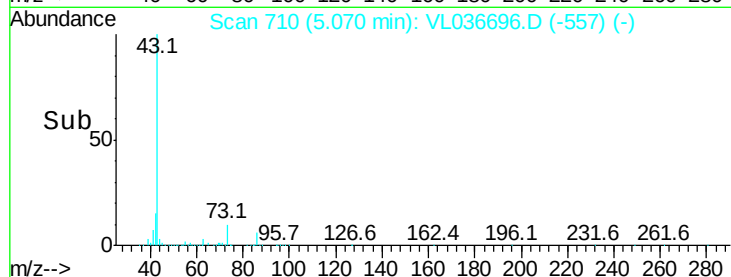
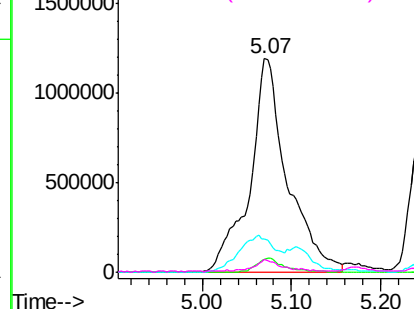
Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3495398

Ion	Ratio	Lower	Upper
43	100		
86	5.9	5.4	8.0
42	15.3	8.5	12.7#
44	5.4	4.6	7.0



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: 9.507 ppbv

RT: 5.01 min Scan# 692

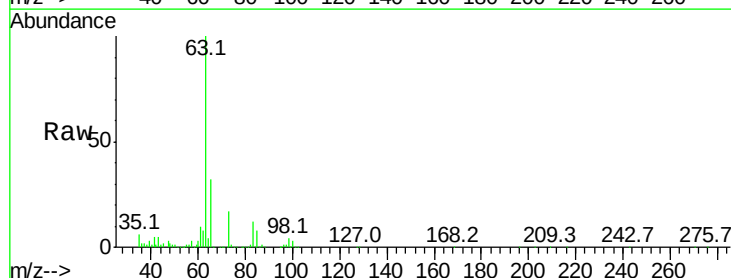
Delta R.T. -0.00 min

Lab File: VL036696.D

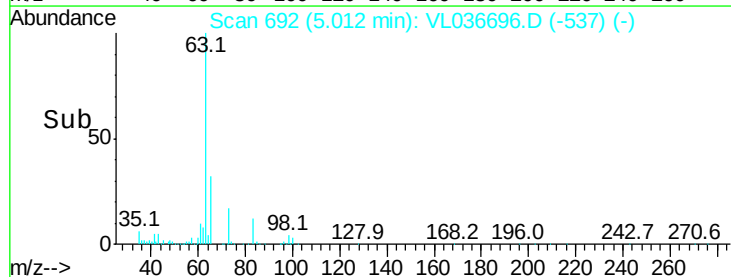
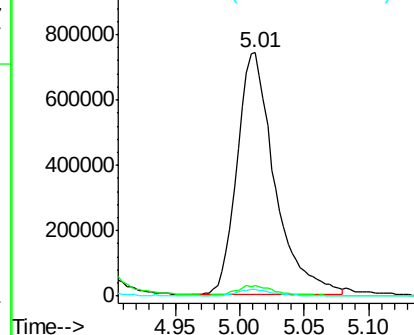
Acq: 6 Apr 2021 9:14

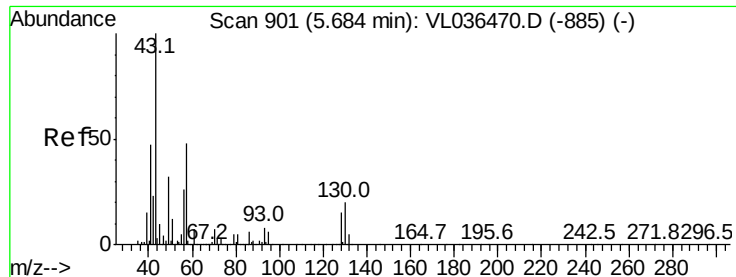
Tgt Ion: 63 Resp: 1509813

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.7	0.9	2.8



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



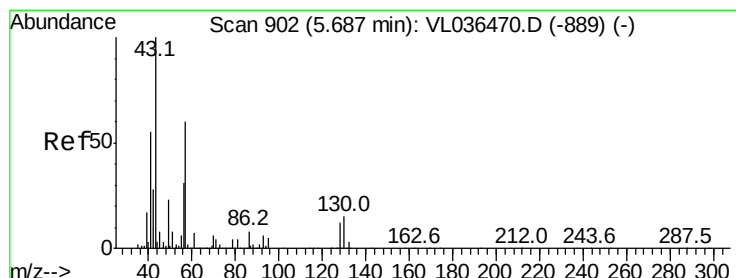
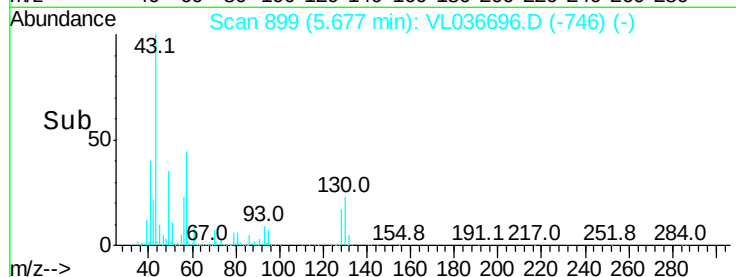
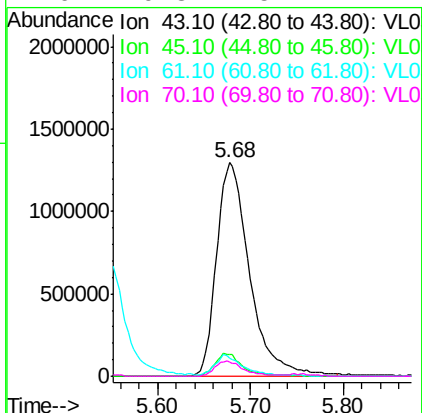
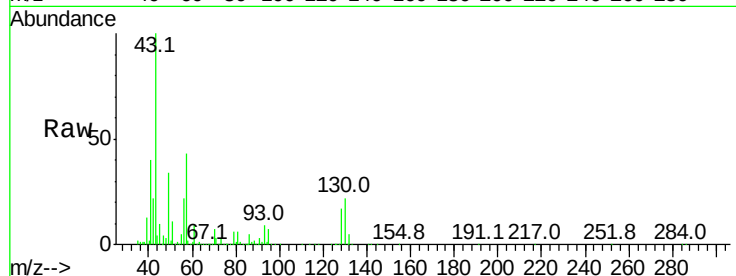


#25
Ethyl Acetate
Concen: 10.553 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3195664

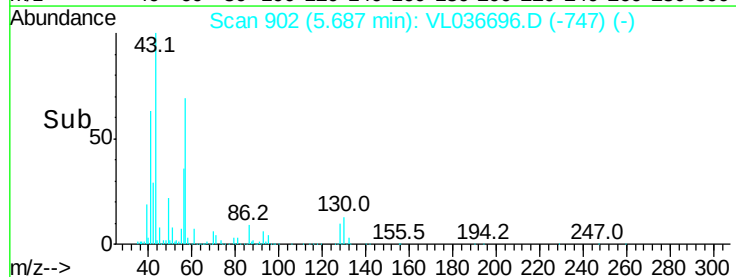
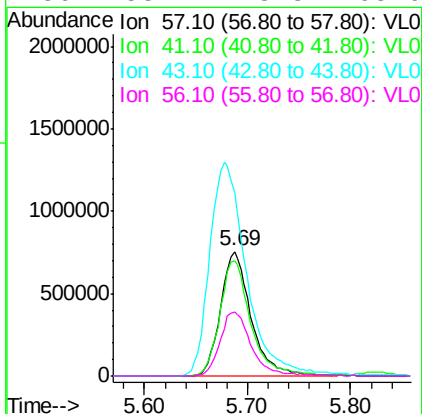
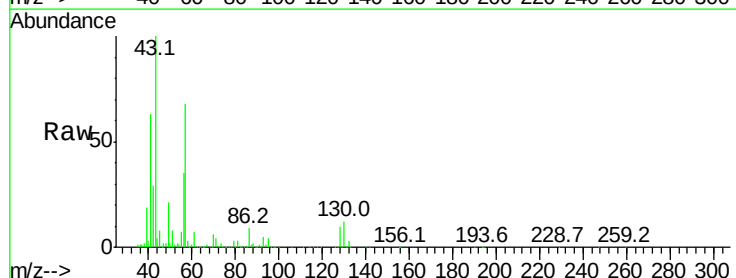
Ion	Ratio	Lower	Upper
43	100		
45	9.2	7.9	11.9
61	8.8	7.4	11.2
70	6.3	5.1	7.7

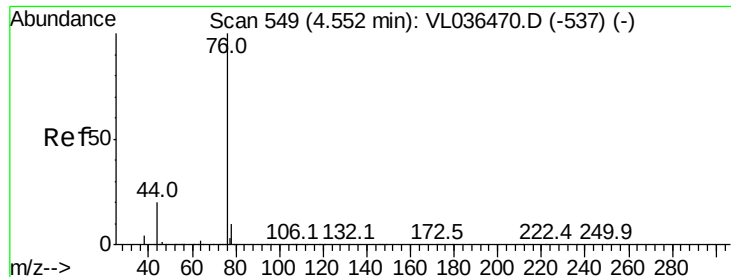


#26
Hexane
Concen: 11.126 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 57 Resp: 1563503

Ion	Ratio	Lower	Upper
57	100		
41	93.8	77.2	115.8
43	205.8	173.8	260.6
56	53.7	43.8	65.6





#27

Carbon Disulfide

Concen: 10.117 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

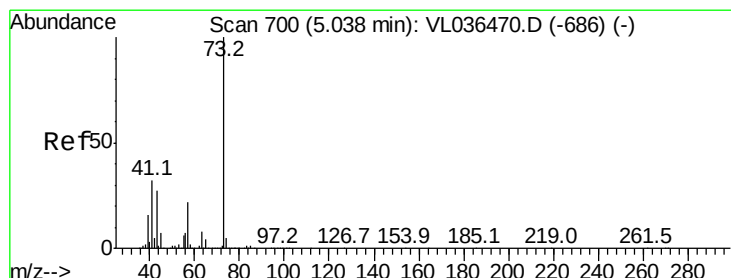
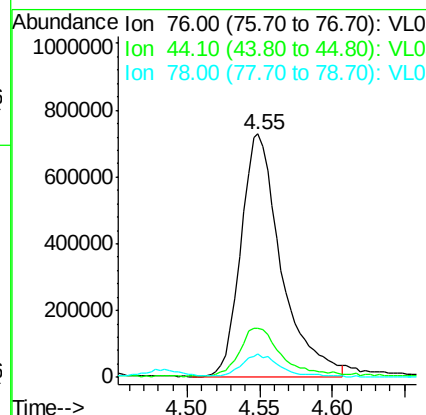
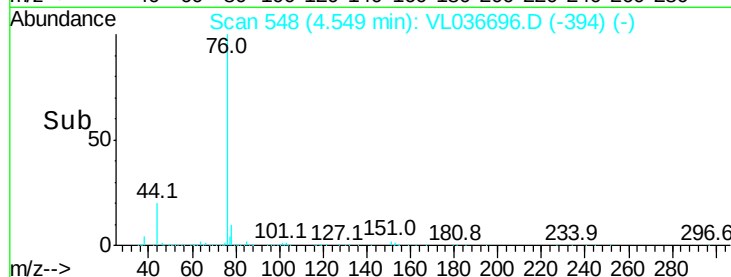
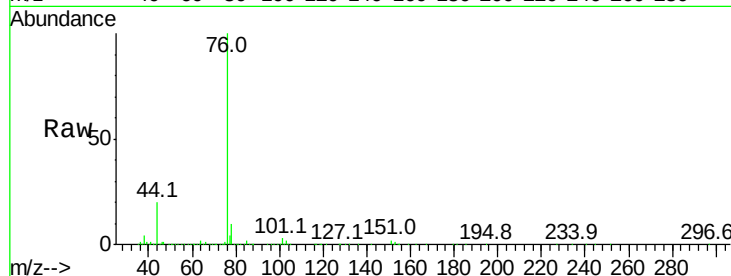
Tgt Ion: 76 Resp: 1400510

Ion Ratio Lower Upper

76 100

44 21.5 17.5 26.3

78 9.9 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 10.256 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL036696.D

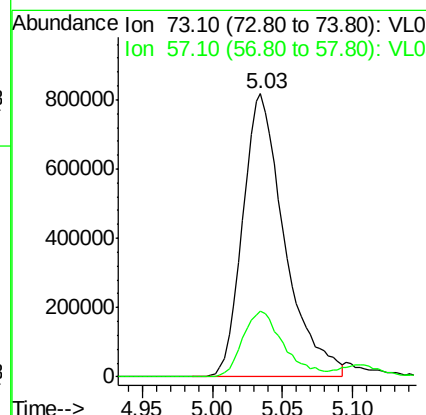
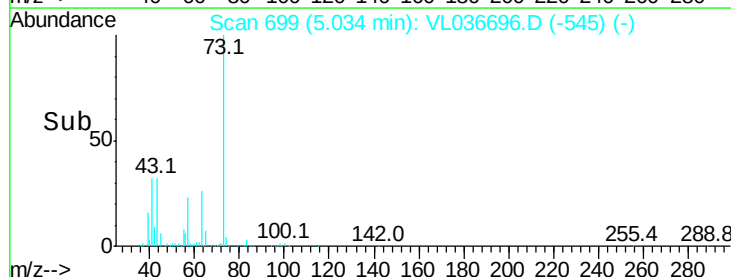
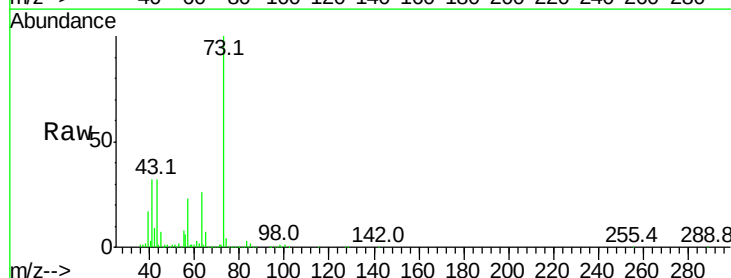
Acq: 6 Apr 2021 9:14

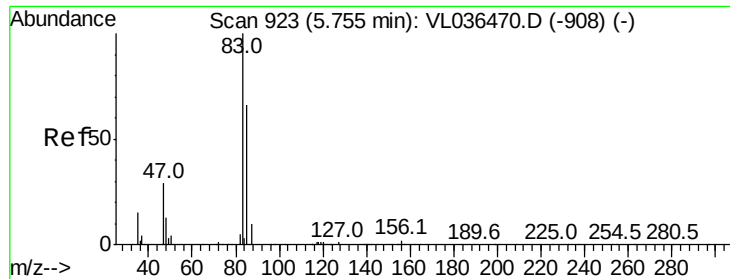
Tgt Ion: 73 Resp: 1699728

Ion Ratio Lower Upper

73 100

57 22.9 18.5 27.7

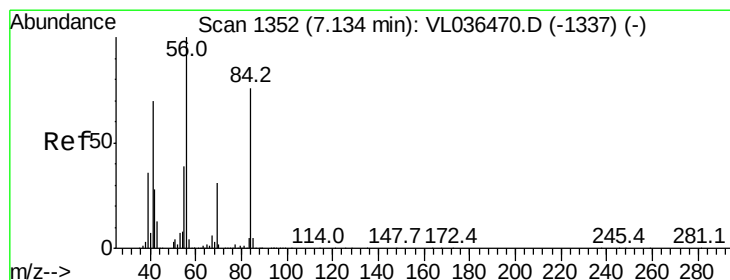
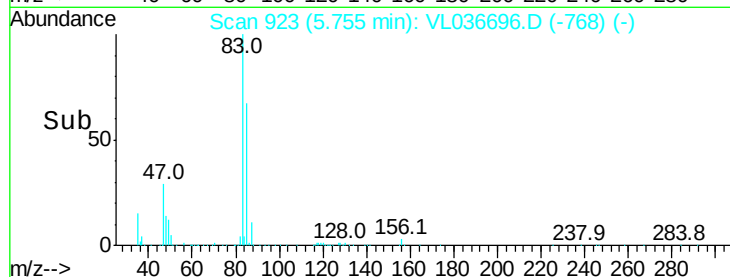
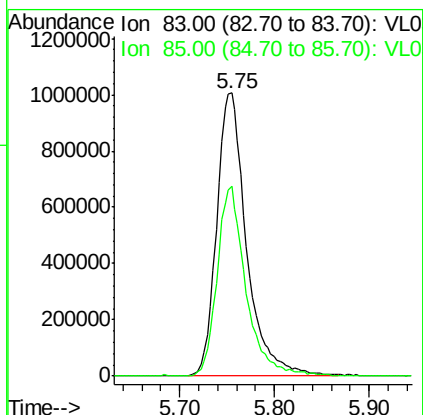
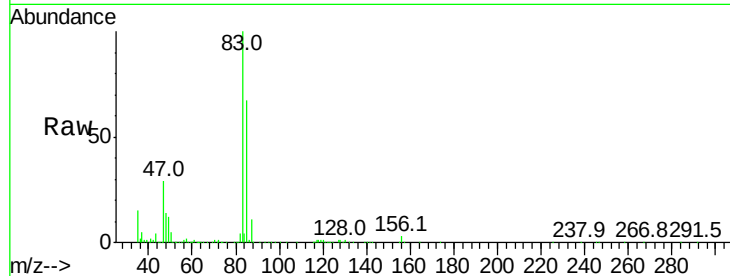




#29
Chloroform
Concen: 9.792 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

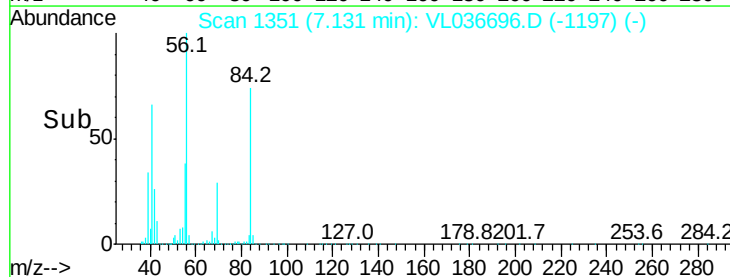
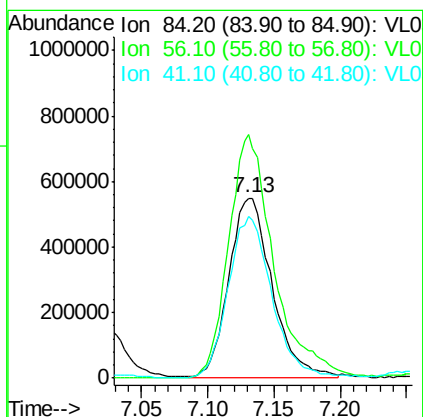
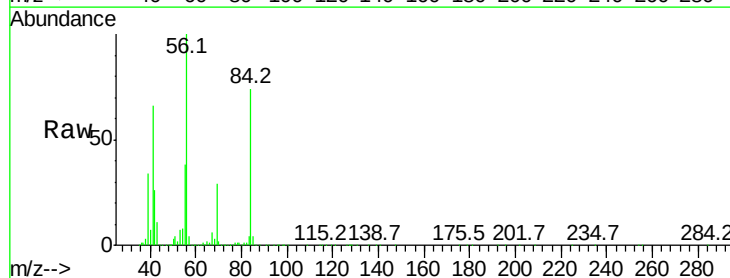
Instrument :
MSVOA_L
ClientSampleId :

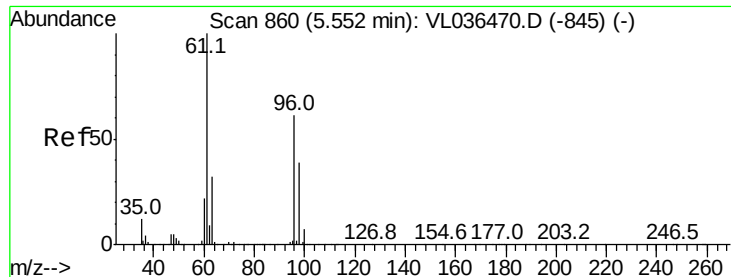
Tgt Ion: 83 Resp: 2200761
Ion Ratio Lower Upper
83 100
85 67.0 52.6 78.8



#30
Cyclohexane
Concen: 10.900 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL036696.D
Acq: 6 Apr 2021 9:14

Tgt Ion: 84 Resp: 1242297
Ion Ratio Lower Upper
84 100
56 142.4 114.6 171.8
41 91.3 75.3 112.9



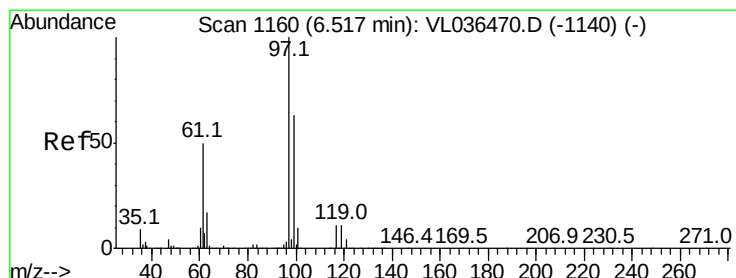
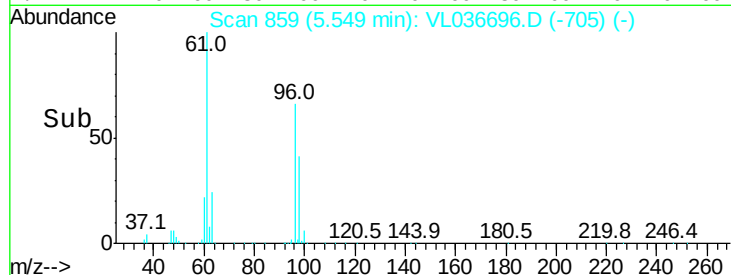
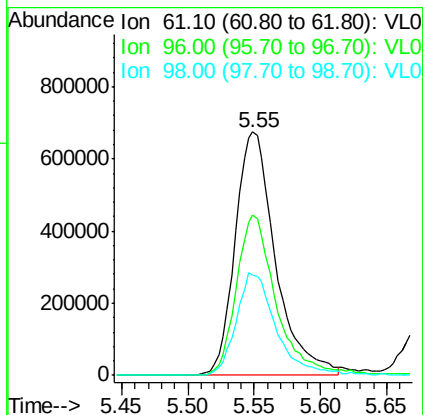
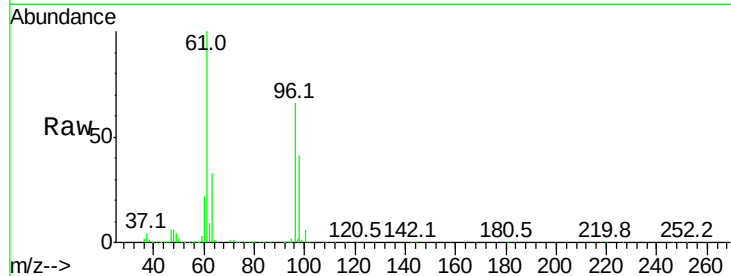


#31

cis-1,2-Dichloroethene
 Concen: 10.499 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :

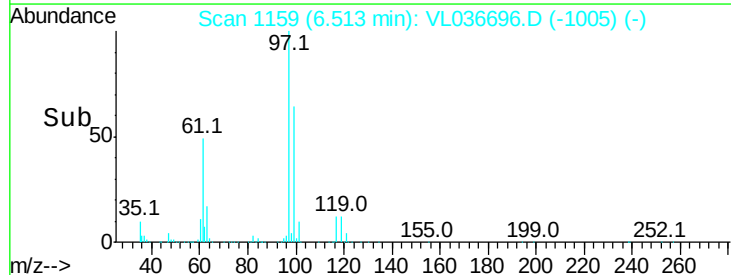
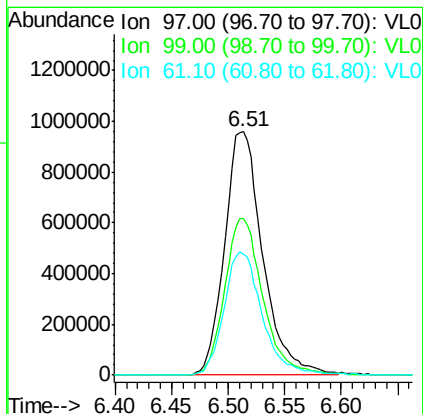
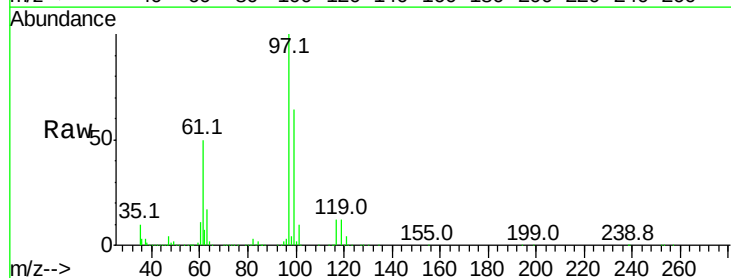
Tgt Ion: 61 Resp: 1427045
 Ion Ratio Lower Upper
 61 100
 96 65.6 48.7 73.1
 98 40.9 31.4 47.0

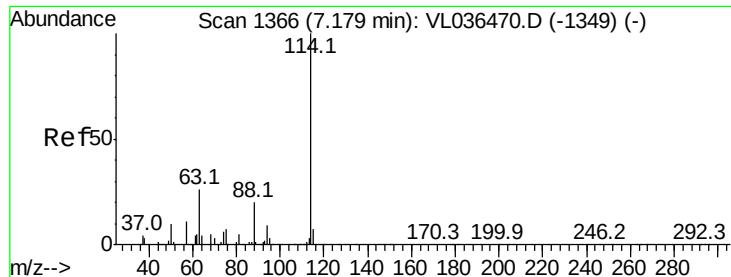


#32

1,1,1-Trichloroethane
 Concen: 9.905 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion: 97 Resp: 2243374
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.4 77.0
 61 50.8 40.6 60.8

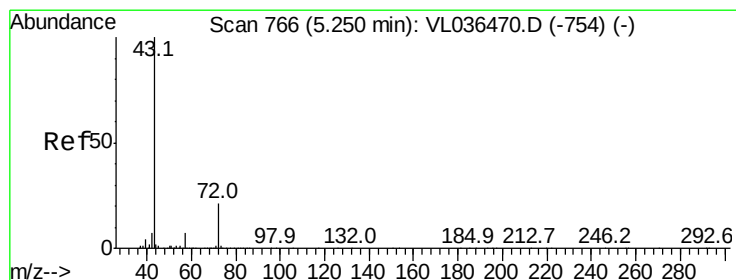
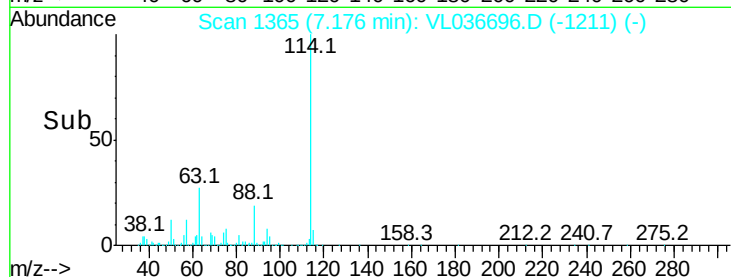
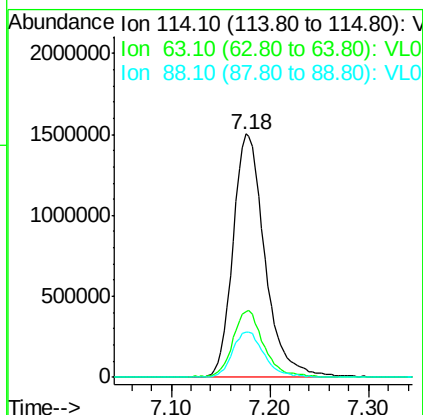
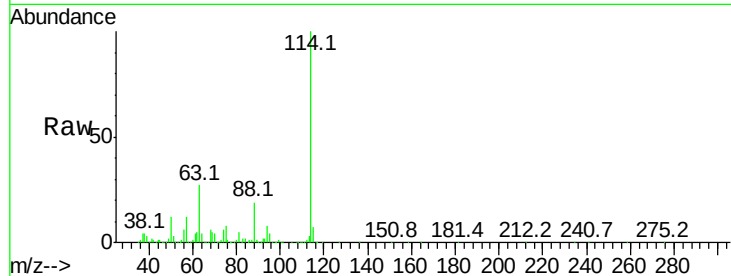




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

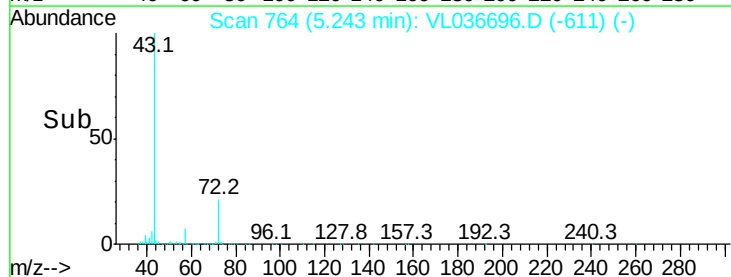
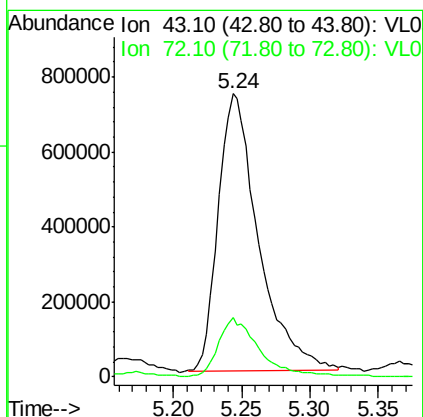
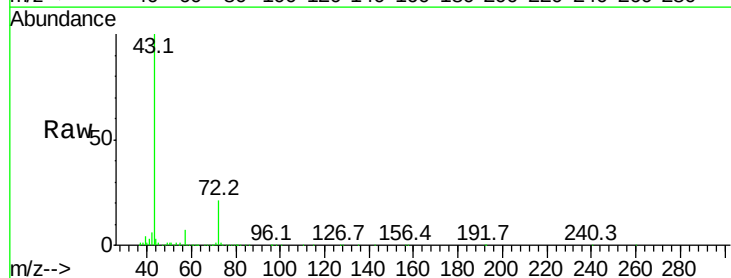
Instrument :
 MSVOA_L
 ClientSampleId :

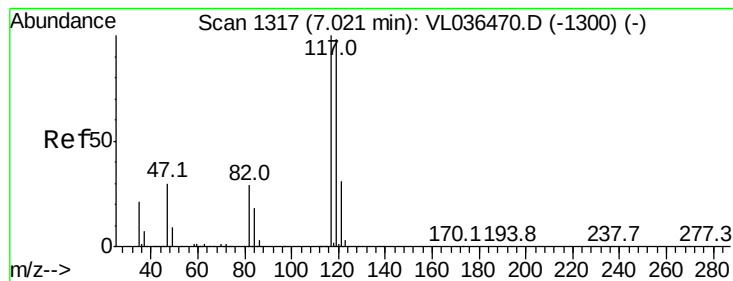
Tgt Ion:114 Resp: 3372157
 Ion Ratio Lower Upper
 114 100
 63 26.9 22.4 33.6
 88 18.8 15.4 23.0



#34
 2-Butanone
 Concen: 9.210 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion: 43 Resp: 1516055
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.0 25.6





#35

Carbon Tetrachloride

Concen: 9.019 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

Instrument :

MSVOA_L

ClientSampleId :

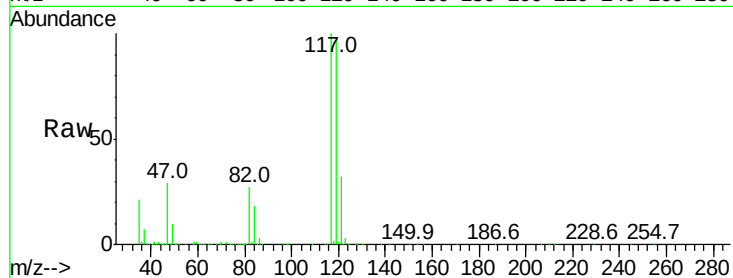
Tgt Ion:117 Resp: 2336001

Ion Ratio Lower Upper

117 100

119 97.1 78.2 117.2

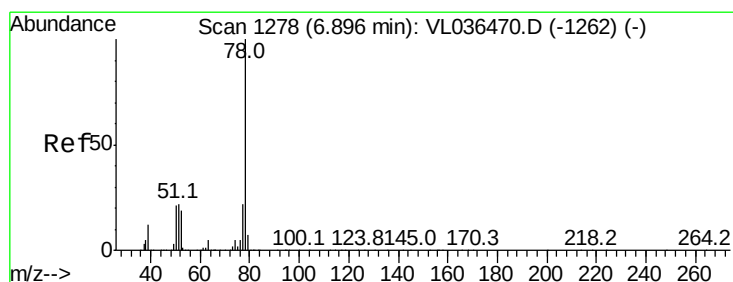
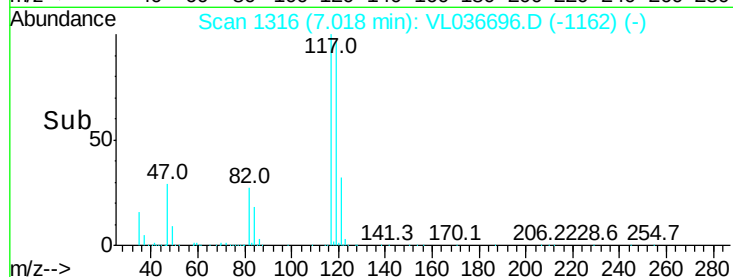
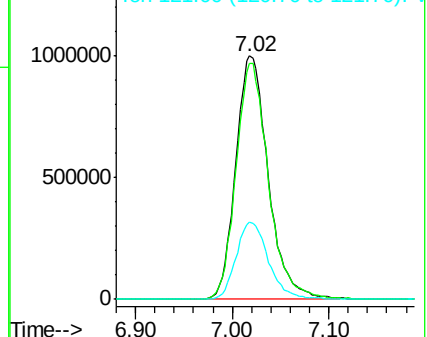
121 31.8 24.5 36.7



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: 9.681 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VL036696.D

Acq: 6 Apr 2021 9:14

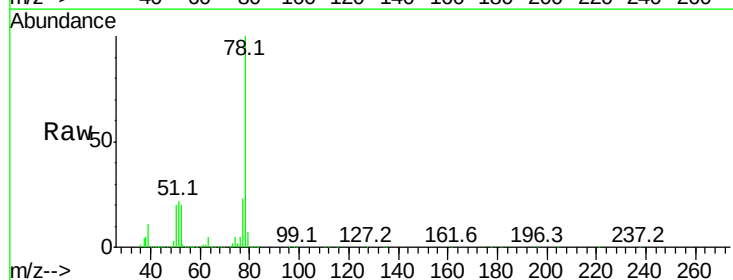
Tgt Ion: 78 Resp: 3010903

Ion Ratio Lower Upper

78 100

77 23.1 18.0 27.0

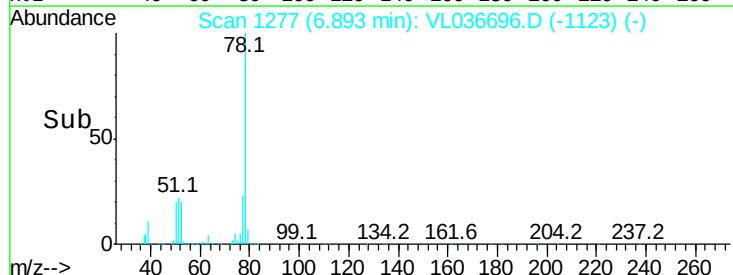
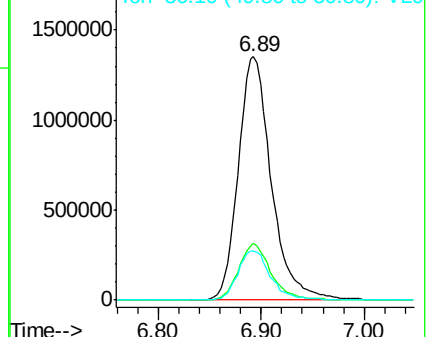
50 19.9 16.5 24.7

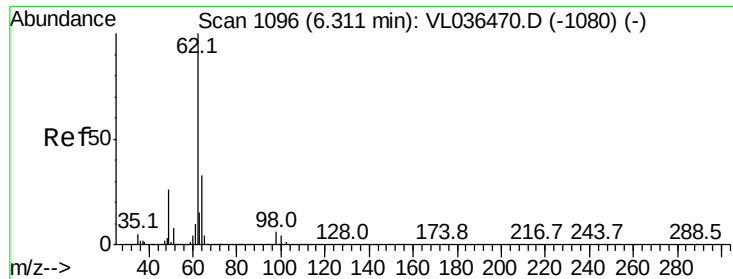


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

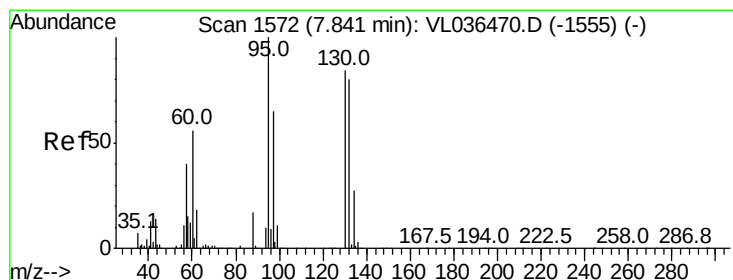
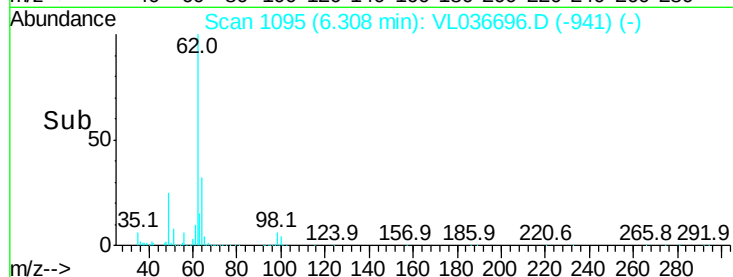
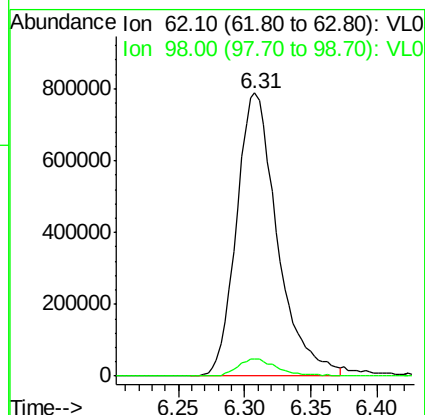
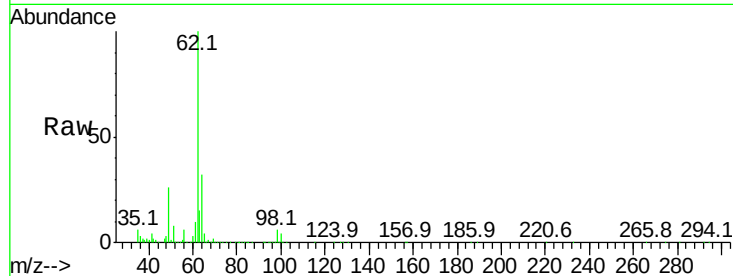




#37
 1,2-Dichloroethane
 Concen: 9.244 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. -0.00 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 62 Resp: 1692065
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3



#38
 Trichloroethene
 Concen: 9.062 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036696.D
 Acq: 6 Apr 2021 9:14

Tgt Ion: 130 Resp: 1096813
 Ion Ratio Lower Upper
 130 100
 95 116.8 95.7 143.5
 132 96.1 76.2 114.4
 97 73.0 61.8 92.6

