

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036623.D
 Acq On : 1 Apr 2021 5:25
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 06:08:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu 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	5.68	49	1528371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3794468	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	4298656	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2849610	8.32	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2187998	8.777	ppbv 99
3) Chlorodifluoromethane	2.99	51	2688100	9.414	ppbv 100
4) Chloromethane	3.15	50	902121	8.944	ppbv 93
5) Vinyl Chloride	3.26	62	915107	8.824	ppbv 98
6) Bromomethane	3.48	94	500088	8.758	ppbv 96
7) Chloroethane	3.56	64	317215	8.901	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	2142563	9.005	ppbv 99
9) Propene	3.02	41	901238	9.900	ppbv 97
10) Heptane	8.14	43	2320622	10.007	ppbv 99
11) Trichlorofluoromethane	3.96	101	2126462	8.370	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1407922	8.668	ppbv 99
13) Ethanol	3.62	45	68853	6.351	ppbv 85
14) Bromoethene	3.75	108	609296	9.023	ppbv 99
15) Acetone	3.86	43	1197802	7.963	ppbv 99
16) 1,3-Butadiene	3.33	39	938541	8.962	ppbv 97
17) tert-Butyl alcohol	4.30	59	1143669	8.734	ppbv 99
18) 1,1-Dichloroethene	4.30	96	621155	8.598	ppbv 99
19) Isopropyl Alcohol	3.98	45	652958	7.891	ppbv 98
20) Methylene Chloride	4.36	84	530652	7.534	ppbv 98
21) Allyl Chloride	4.42	41	1076727	8.979	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	599862	8.956	ppbv 98
23) Vinyl Acetate	5.09	43	2510966	9.758	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1752225	9.343	ppbv 98
25) Ethyl Acetate	5.69	43	3438325	9.614	ppbv 100
26) Hexane	5.70	57	1633420	9.842	ppbv 99
27) Carbon Disulfide	4.56	76	1557207	9.525	ppbv 97
28) Methyl tert-Butyl Ether	5.05	73	1931018	9.866	ppbv 98
29) Chloroform	5.77	83	2542445	9.579	ppbv 99
30) Cyclohexane	7.15	84	1388944	10.319	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	1599967	9.967	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	2586817	9.671	ppbv 99
34) 2-Butanone	5.26	43	1750519	9.451	ppbv 99
35) Carbon Tetrachloride	7.03	117	2679690	9.194	ppbv 99
36) Benzene	6.91	78	3356481	9.591	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1934196	9.391	ppbv 100
38) Trichloroethene	7.85	130	1176512	8.639	ppbv 99
39) 1,2-Dichloropropane	7.63	63	1346978	9.489	ppbv 99
40) 1,4-Dioxane	7.85	88	256653	7.768	ppbv # 1
41) Tetrahydrofuran	6.07	42	805617	9.433	ppbv 95
42) Bromodichloromethane	7.81	83	2789179	9.956	ppbv 100
43) Methyl Methacrylate	8.03	69	1225556	10.429	ppbv 97

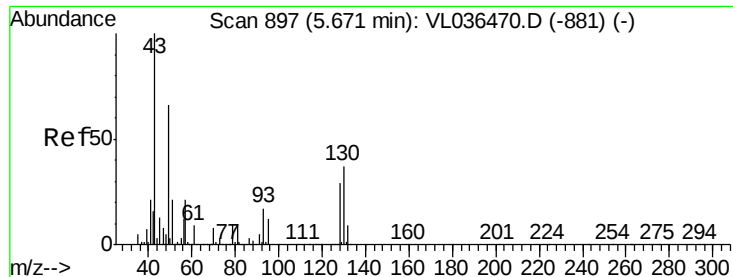
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5677904	9.219	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1385121	10.323	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1715187	10.000	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	1342177	9.335	ppbv	97
48) Dibromochloromethane	10.33	129	2161668	9.862	ppbv	100
49) Bromoform	13.07	173	1694259	9.593	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2662980	9.936	ppbv	100
51) 2-Hexanone	10.16	43	1466825	10.846	ppbv #	100
52) Tetrachloroethene	11.25	164	1084136	8.413	ppbv	98
53) Toluene	9.83	91	3671962	9.853	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1868534	9.202	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1456034	7.489	ppbv	99
57) Chlorobenzene	12.17	112	2618682	7.160	ppbv	99
58) Ethyl Benzene	12.73	91	4852030	7.758	ppbv	100
59) m/p-Xylene	13.01	91	4491900	8.235	ppbv #	45
60) o-Xylene	13.72	91	3835215	7.272	ppbv	99
61) Styrene	13.55	104	2245234	8.461	ppbv	99
62) Isopropylbenzene	14.69	105	5142336	7.240	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	2650646	6.588	ppbv	100
64) n-propylbenzene	15.59	120	1333193	7.677	ppbv	99
65) tert-Butylbenzene	16.77	119	4357171	7.075	ppbv	99
66) Benzyl Chloride	17.02	91	238311	3.501	ppbv #	50
67) sec-Butylbenzene	17.32	105	6136612	7.059	ppbv	100
69) p-Isopropyltoluene	17.67	119	5084625	7.490	ppbv	100
70) n-Butylbenzene	18.57	91	5366531	7.624	ppbv	99
71) 2-Chlorotoluene	15.48	91	3919953	7.365	ppbv	100
72) 4-Ethyltoluene	15.86	105	4427736	7.661	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3944724	7.313	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4048244	7.013	ppbv	95
75) 1,3-Dichlorobenzene	17.02	146	2239807	6.894	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	2159159	6.693	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	2110364	6.910	ppbv	100
78) Hexachloro-1,3-Butadiene	23.40	225	1859291	6.797	ppbv	99
79) Naphthalene	22.23	128	3378606	10.030	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	504248	7.591	ppbv	95
81) 1,2,4-Trichlorobenzene	21.96	180	1849163	8.892	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

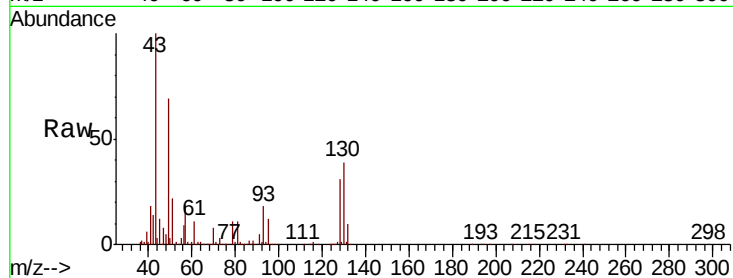
Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1528371

Ion	Ratio	Lower	Upper
49	100		
128	47.4	23.5	70.6
130	58.4	29.1	87.4

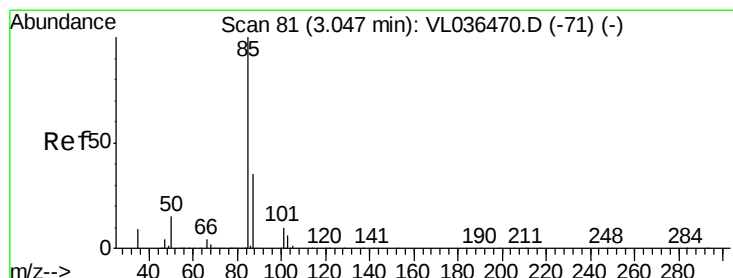
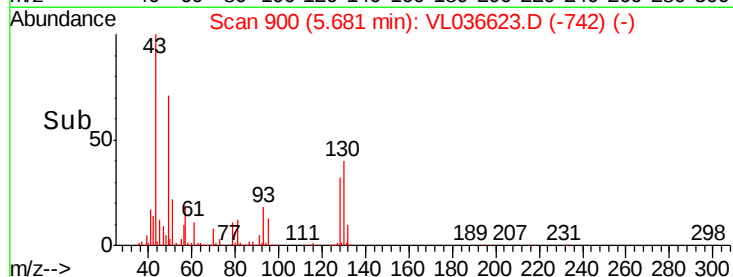


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#2

Dichlorodifluoromethane

Concen: 8.777 ppbv

RT: 3.05 min Scan# 83

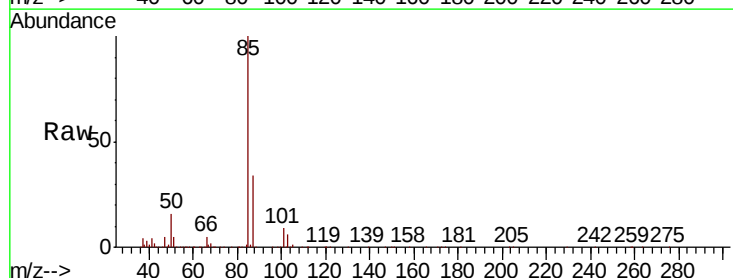
Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion: 85 Resp: 2187998

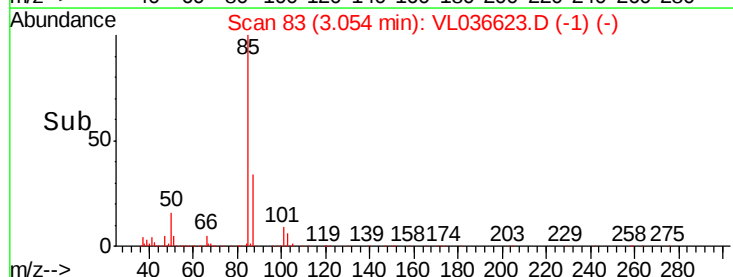
Ion	Ratio	Lower	Upper
85	100		
87	34.2	27.8	41.8

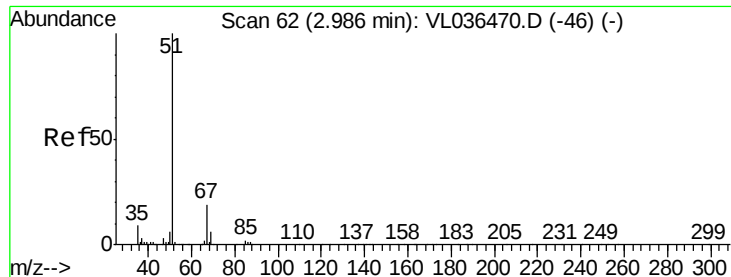


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->





#3

Chlorodifluoromethane

Concen: 9.414 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

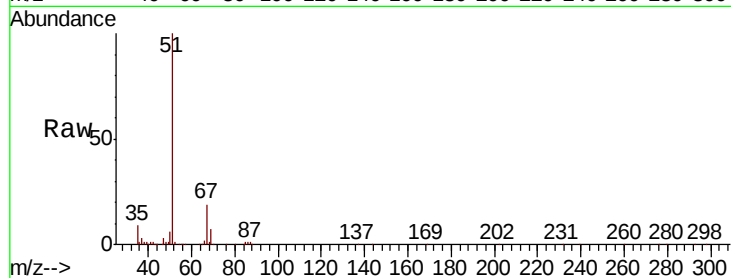
ClientSampleId :

Tot Ion: 51 Resp: 2688100

Ion Ratio Lower Upper

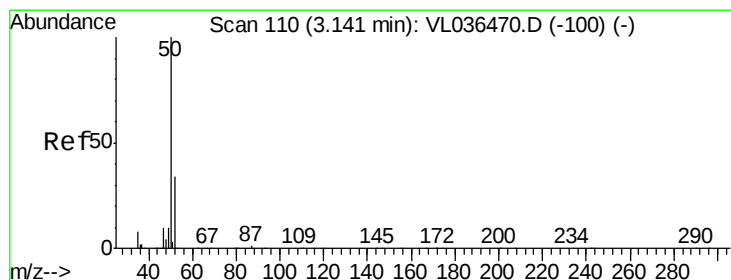
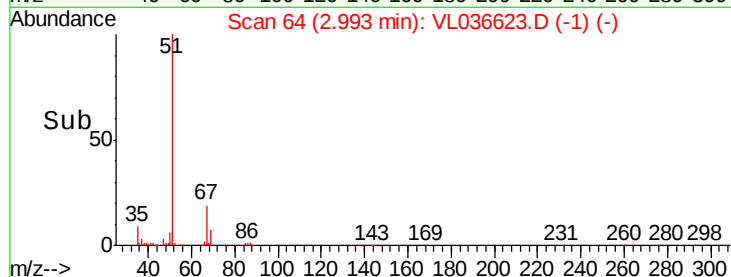
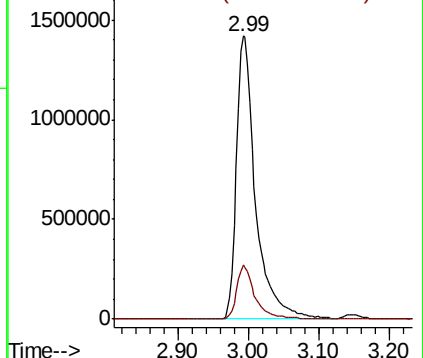
51 100

67 18.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.944 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036623.D

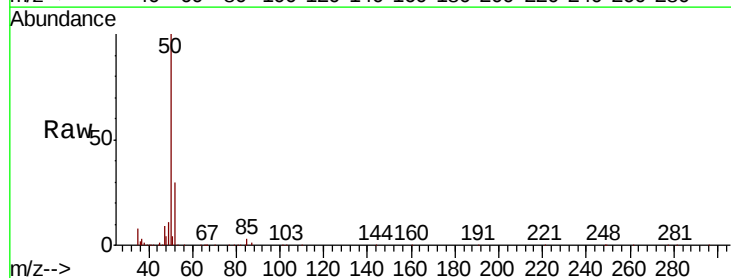
Acq: 1 Apr 2021 5:25

Tgt Ion: 50 Resp: 902121

Ion Ratio Lower Upper

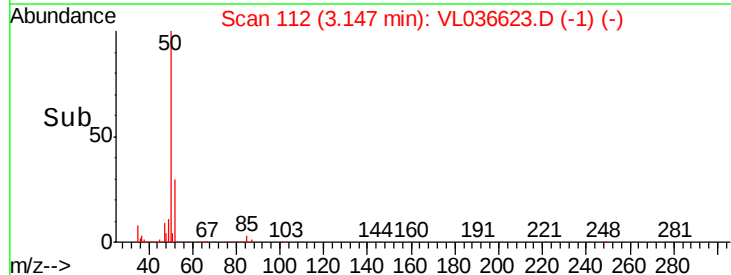
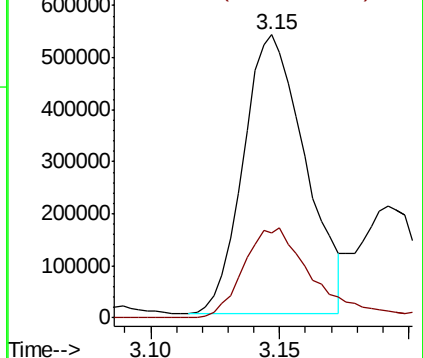
50 100

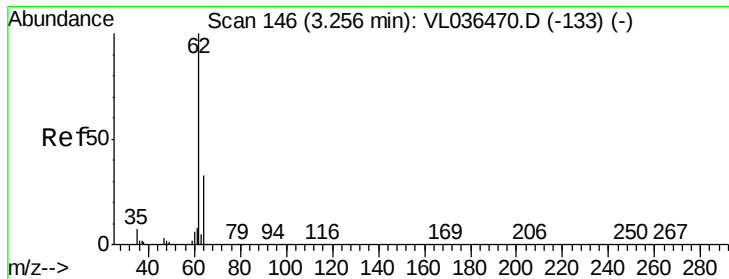
52 30.1 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.824 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

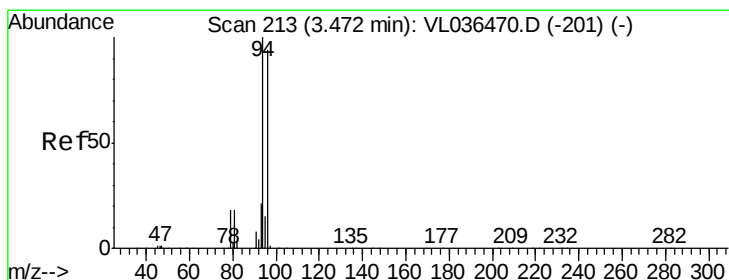
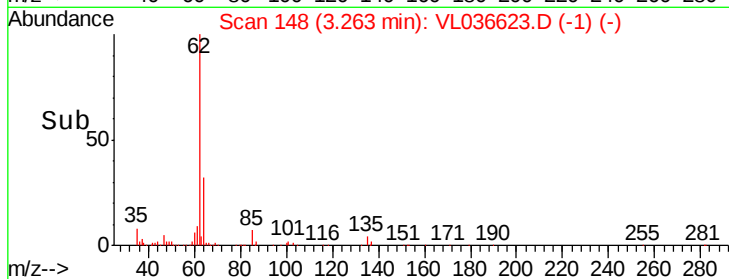
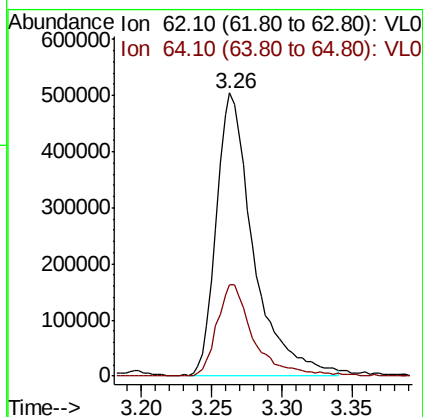
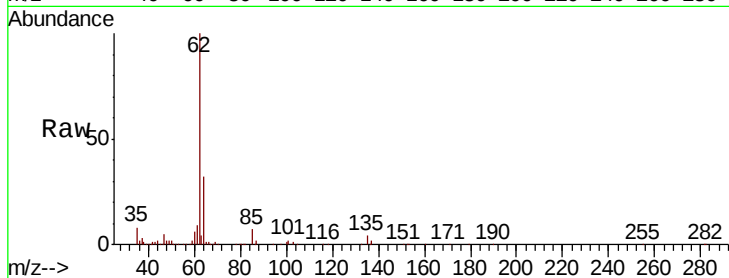
ClientSampled :

Tot Ion: 62 Resp: 915107

Ion Ratio Lower Upper

62 100

64 32.1 26.4 39.6



#6

Bromomethane

Concen: 8.758 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL036623.D

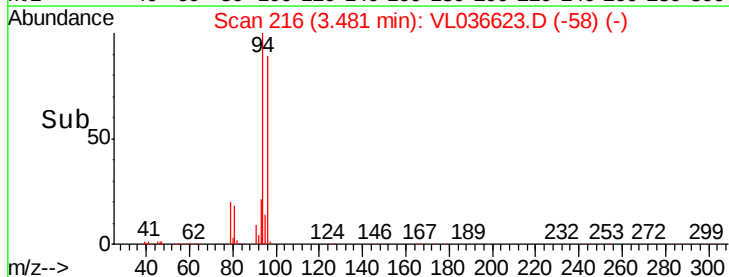
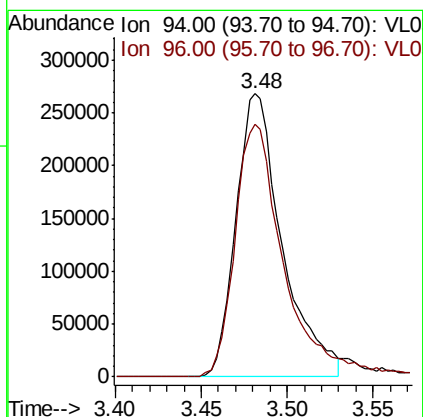
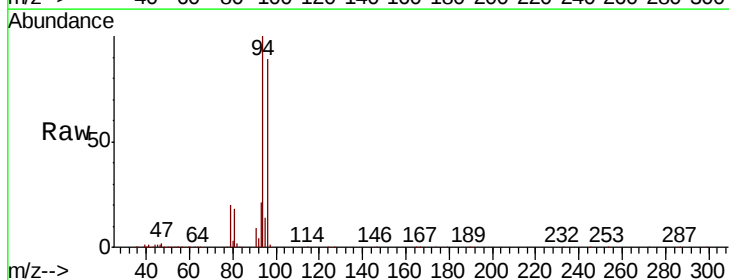
Acq: 1 Apr 2021 5:25

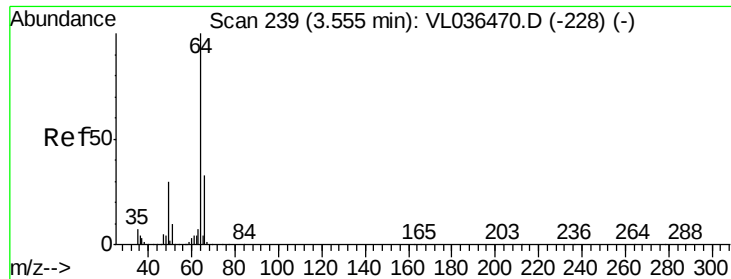
Tgt Ion: 94 Resp: 500088

Ion Ratio Lower Upper

94 100

96 89.3 74.9 112.3





#7

Chloroethane

Concen: 8.901 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

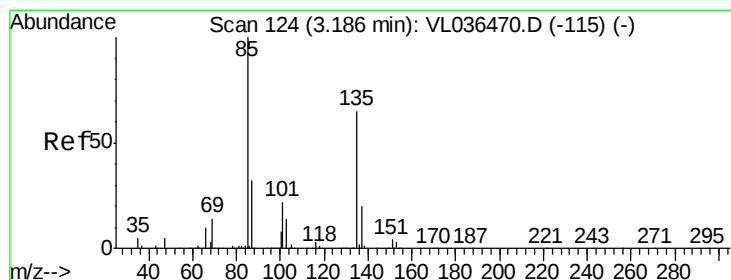
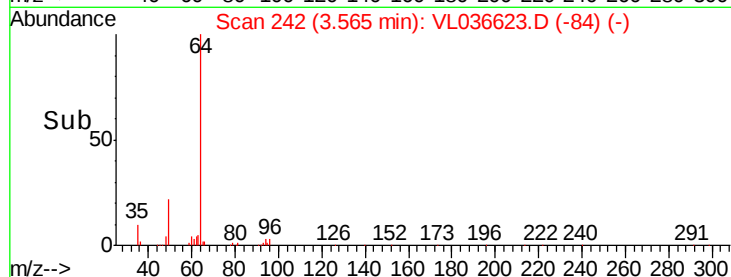
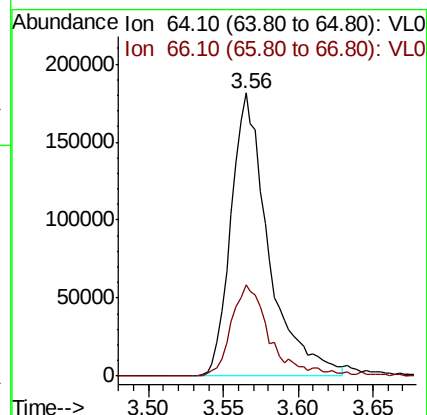
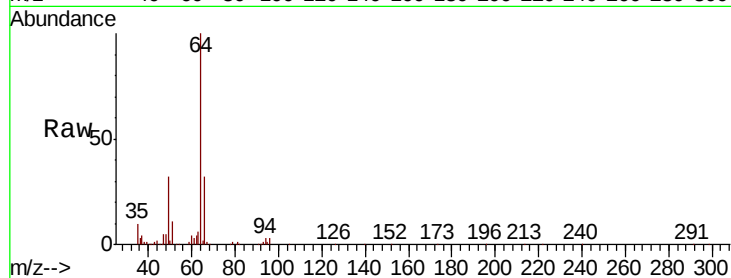
ClientSampleId :

Tot Ion: 64 Resp: 317215

Ion Ratio Lower Upper

64 100

66 32.5 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.005 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL036623.D

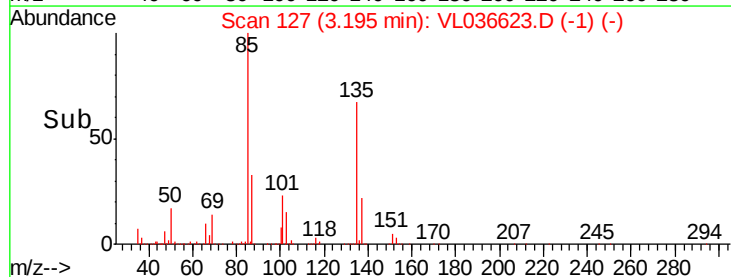
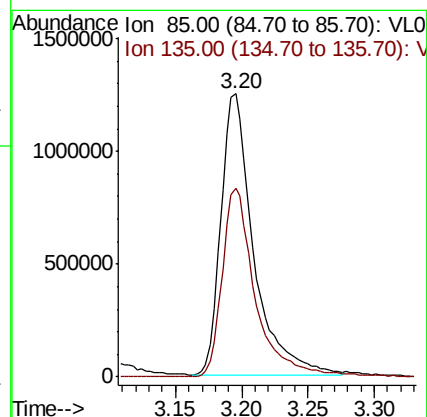
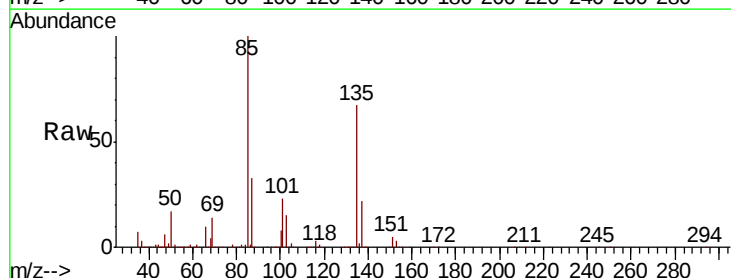
Acq: 1 Apr 2021 5:25

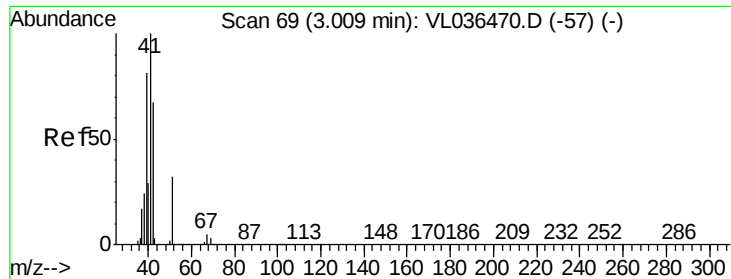
Tgt Ion: 85 Resp: 2142563

Ion Ratio Lower Upper

85 100

135 69.0 54.3 81.5





#9

Propene

Concen: 9.900 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

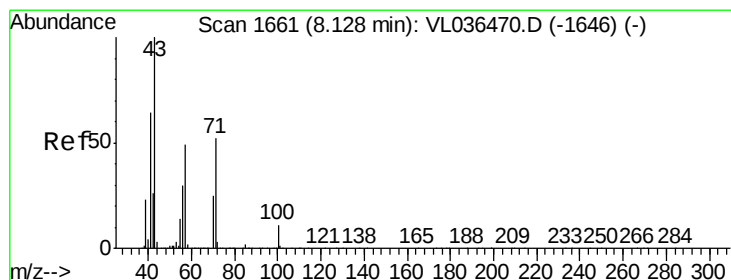
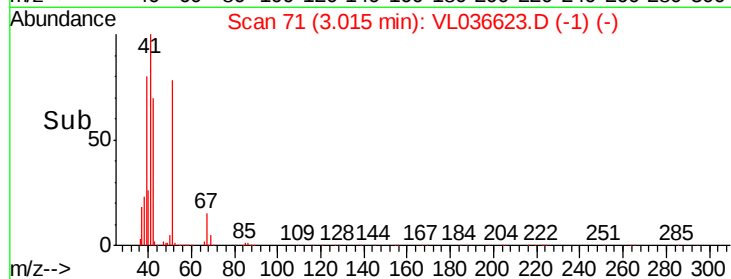
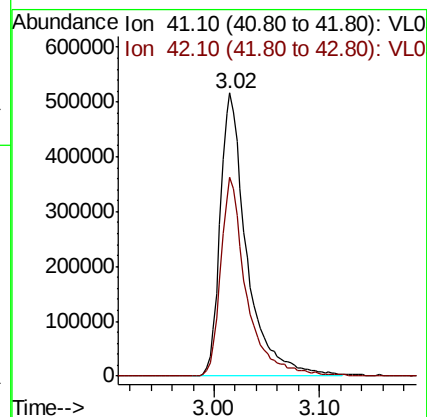
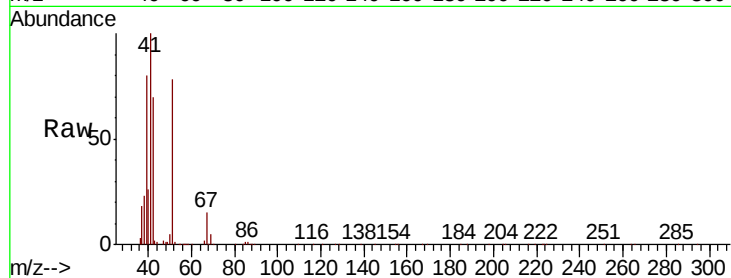
ClientSampleId :

Tot Ion: 41 Resp: 901238

Ion Ratio Lower Upper

41 100

42 68.4 57.0 85.4



#10

Heptane

Concen: 10.007 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL036623.D

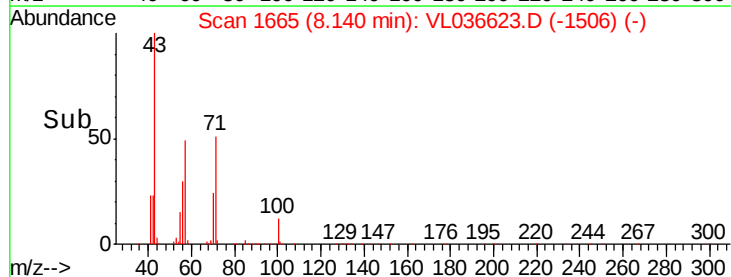
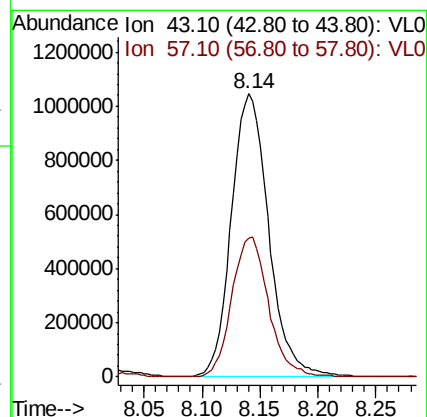
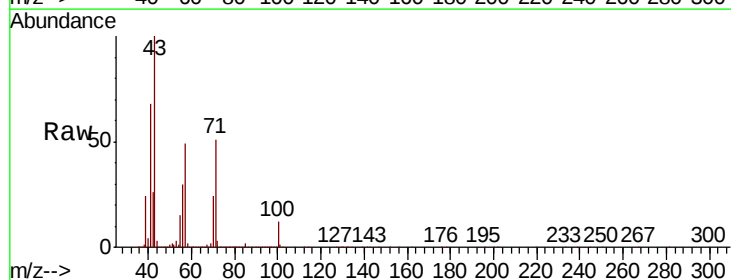
Acq: 1 Apr 2021 5:25

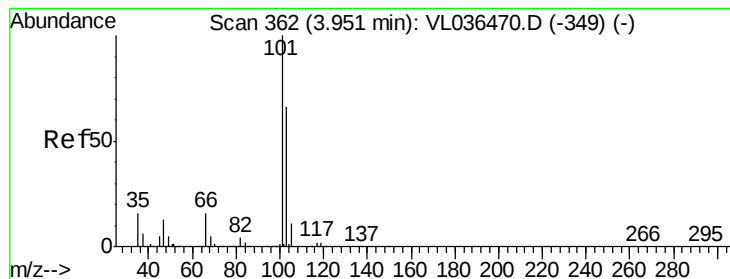
Tgt Ion: 43 Resp: 2320622

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.6





#11

Trichlorofluoromethane

Concen: 8.370 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

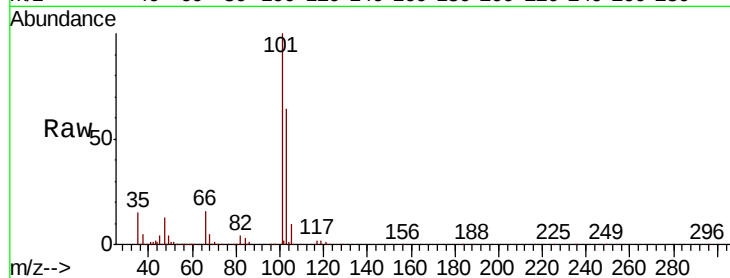
ClientSampleId :

Tot Ion:101 Resp: 2126462

Ion Ratio Lower Upper

101 100

103 63.6 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1200000

1000000

800000

600000

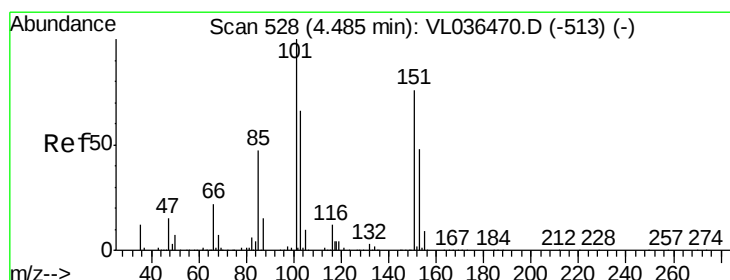
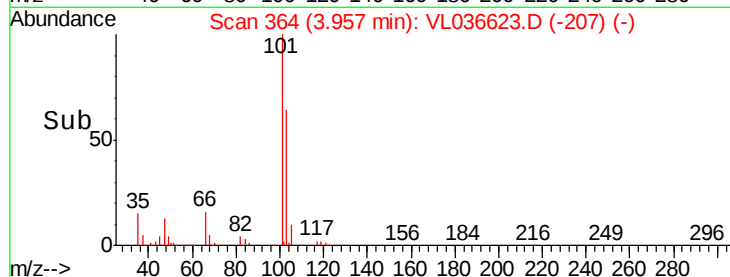
400000

200000

0

3.90 3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.668 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL036623.D

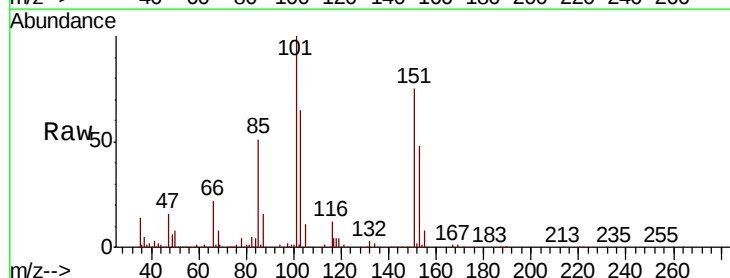
Acq: 1 Apr 2021 5:25

Tgt Ion:101 Resp: 1407922

Ion Ratio Lower Upper

101 100

151 76.8 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

600000

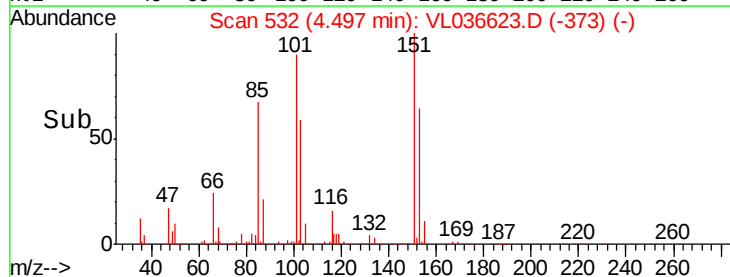
400000

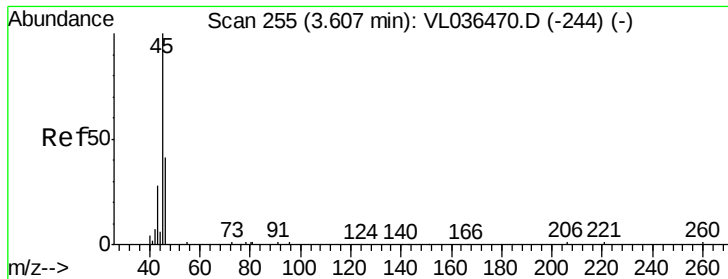
200000

0

4.40 4.45 4.50 4.55 4.60

Time-->





#13

Ethanol

Concen: 6.351 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

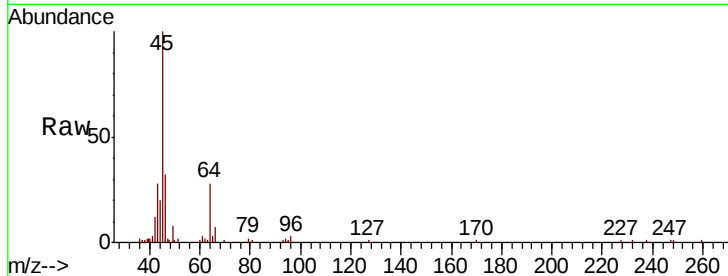
ClientSampleId :

Tot Ion: 45 Resp: 68853

Ion Ratio Lower Upper

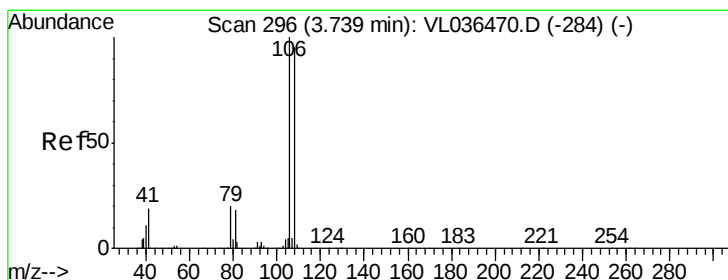
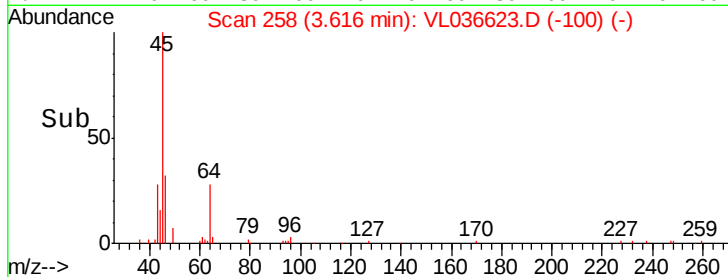
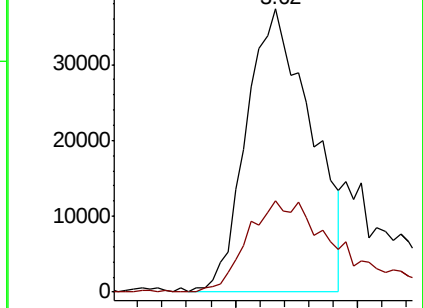
45 100

46 50.9 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.023 ppbv

RT: 3.75 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

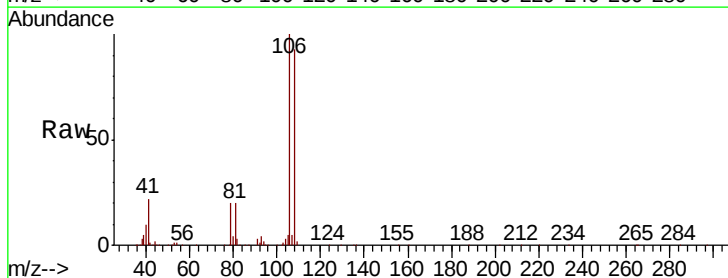
Tgt Ion: 108 Resp: 609296

Ion Ratio Lower Upper

108 100

106 110.3 89.0 133.6

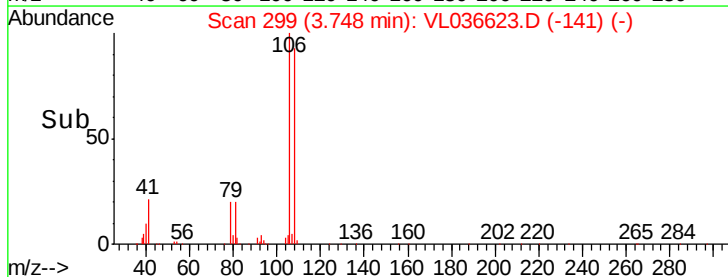
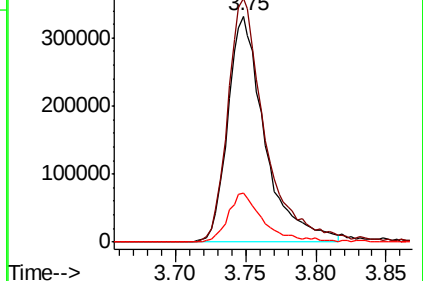
79 21.2 16.6 25.0

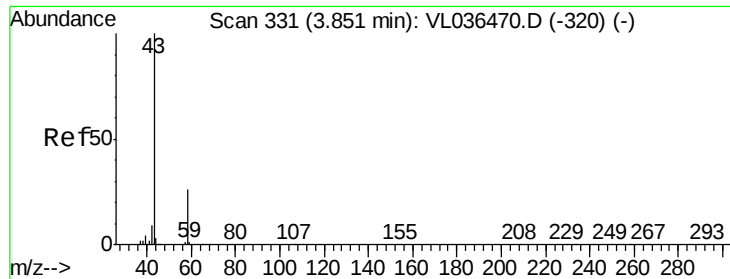


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

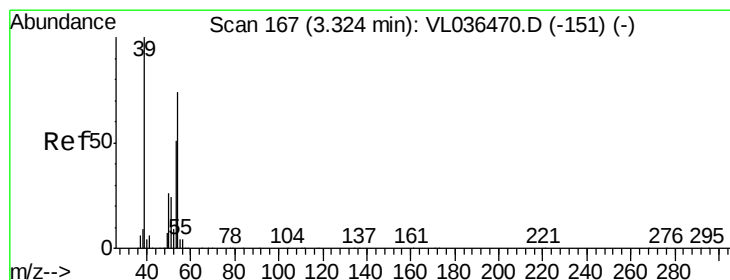
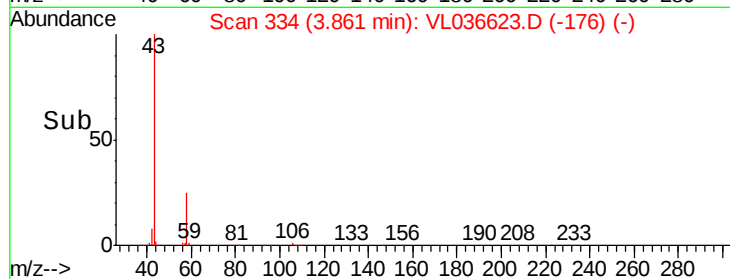
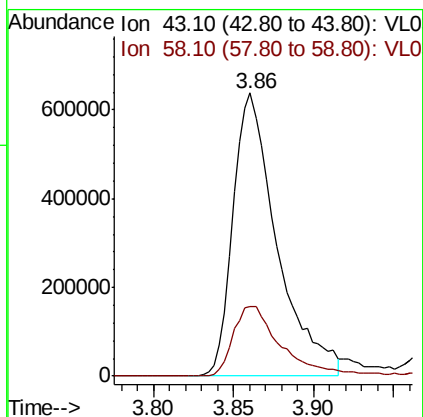
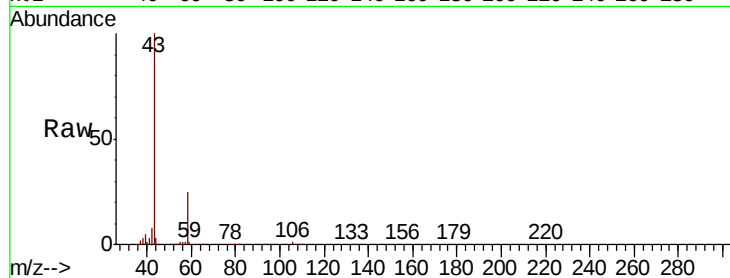




#15
Acetone
Concen: 7.963 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

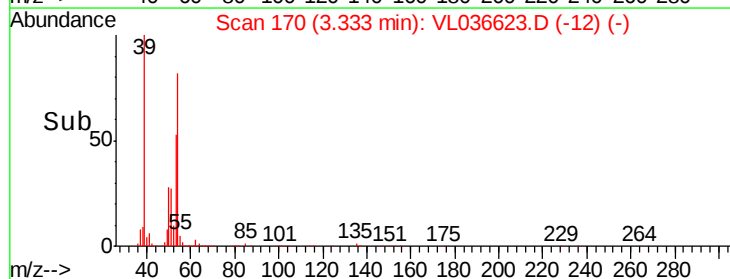
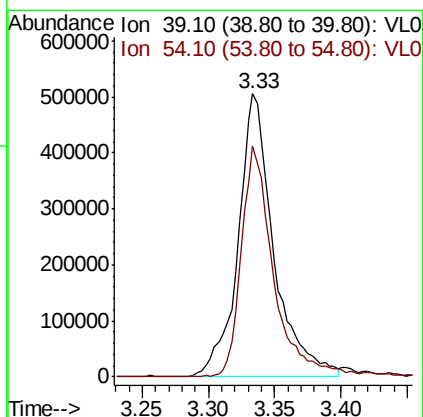
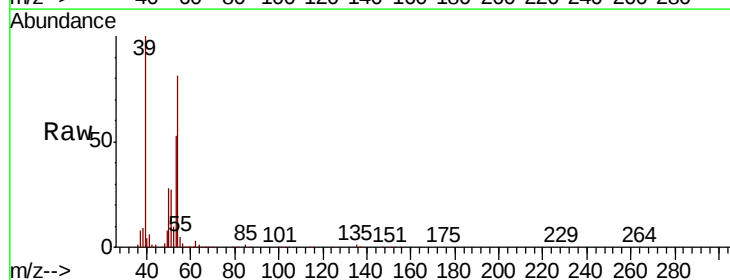
Instrument :
MSVOA_L
ClientSampleId :

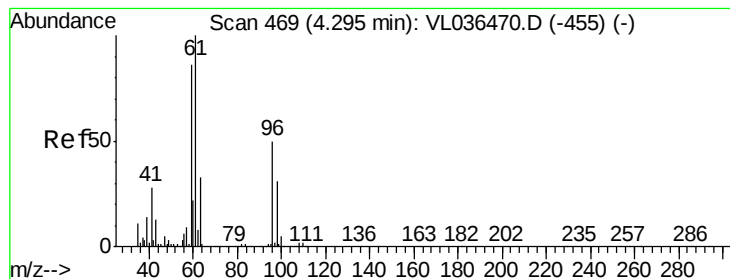
Tot Ion: 43 Resp: 1197802
Ion Ratio Lower Upper
43 100
58 27.0 21.2 31.8



#16
1,3-Butadiene
Concen: 8.962 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 39 Resp: 938541
Ion Ratio Lower Upper
39 100
54 75.6 58.8 88.2



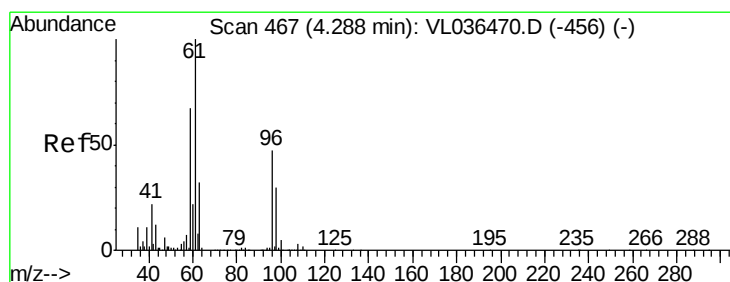
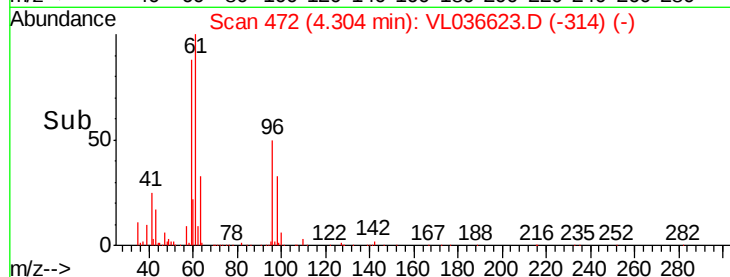
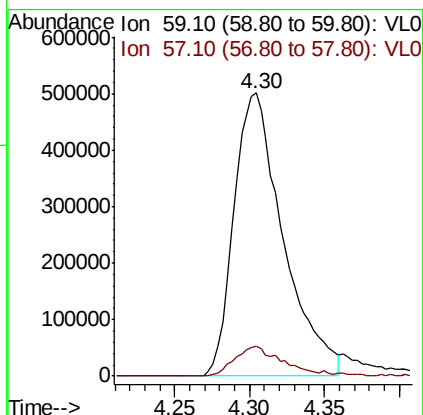
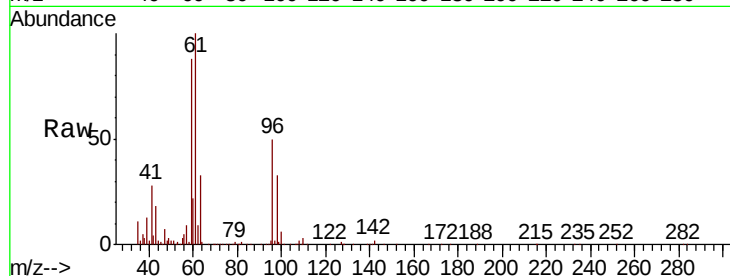


#17

tert-Butyl alcohol
Concen: 8.734 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampled :

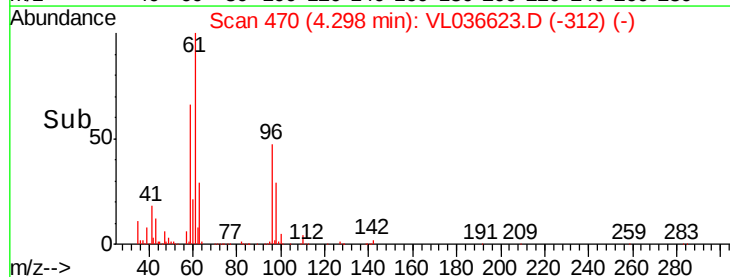
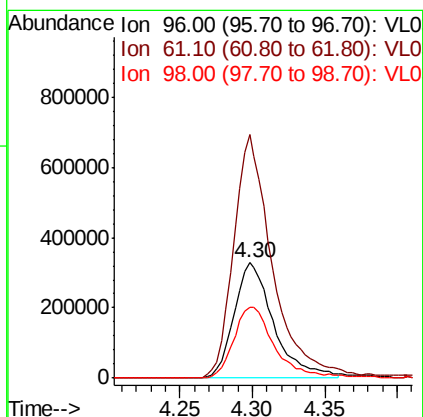
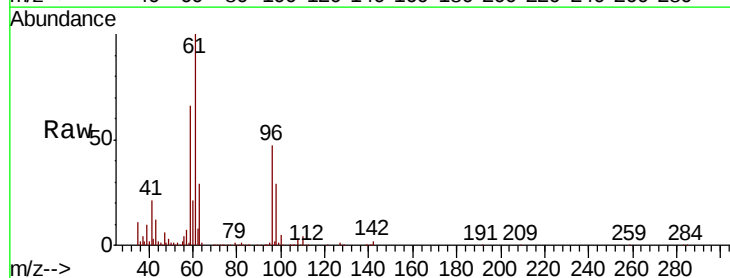
Tot Ion: 59 Resp: 1143669
Ion Ratio Lower Upper
59 100
57 11.0 8.6 12.8

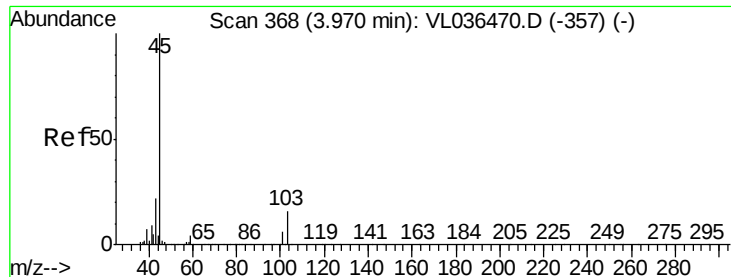


#18

1,1-Dichloroethene
Concen: 8.598 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 96 Resp: 621155
Ion Ratio Lower Upper
96 100
61 211.1 168.6 253.0
98 61.8 50.8 76.2

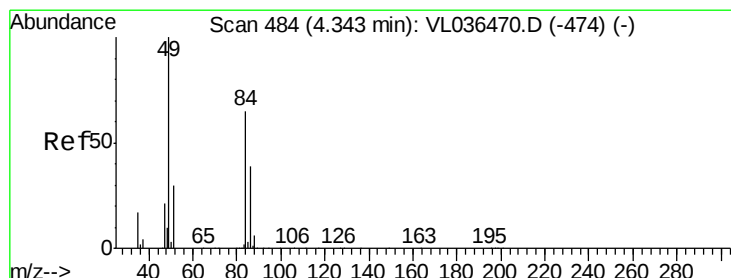
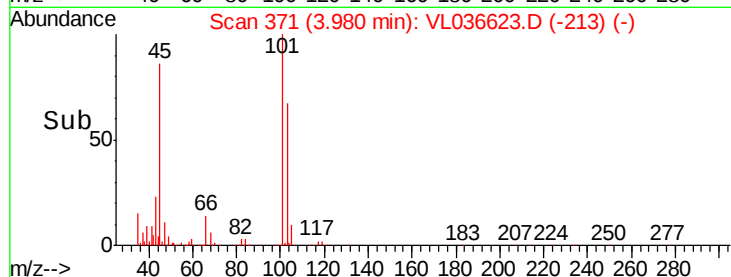
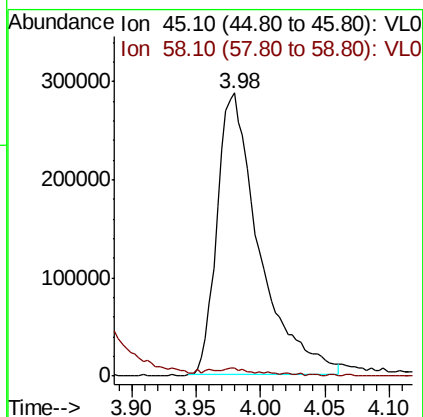
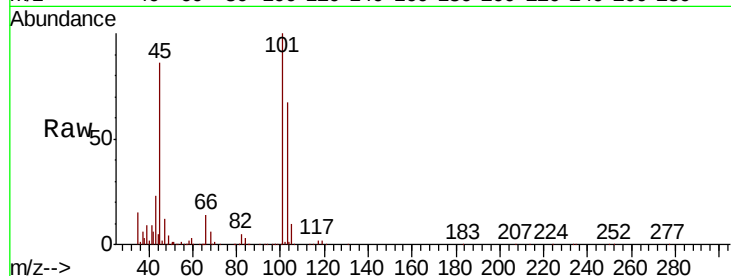




#19
Isopropyl Alcohol
Concen: 7.891 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

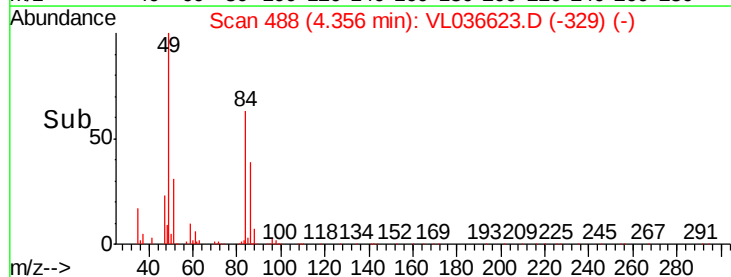
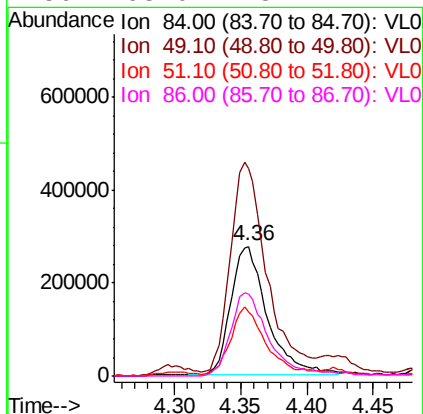
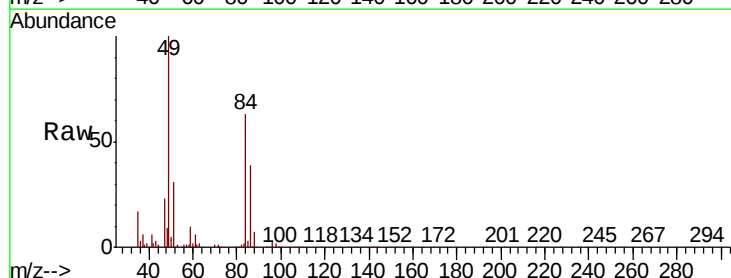
Instrument :
MSVOA_L
ClientSampled :

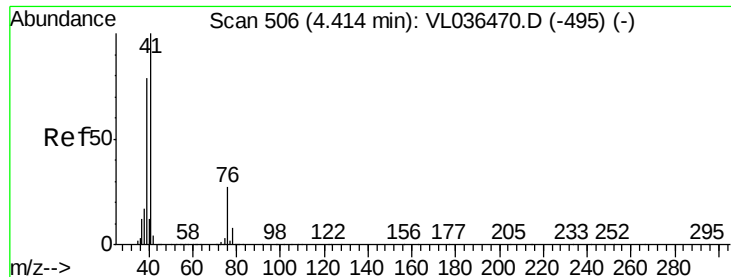
Tot Ion: 45 Resp: 652958
Ion Ratio Lower Upper
45 100
58 3.0 2.9 4.3



#20
Methylene Chloride
Concen: 7.534 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 84 Resp: 530652
Ion Ratio Lower Upper
84 100
49 154.9 122.9 184.3
51 47.6 36.9 55.3
86 63.0 48.2 72.4

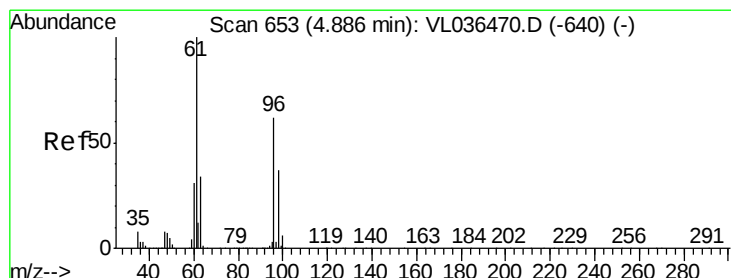
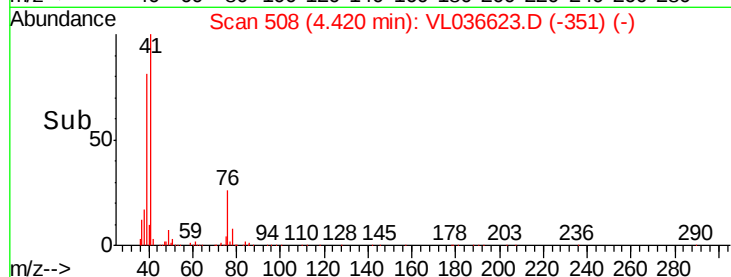
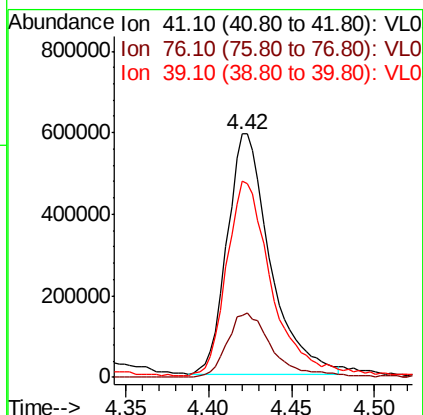
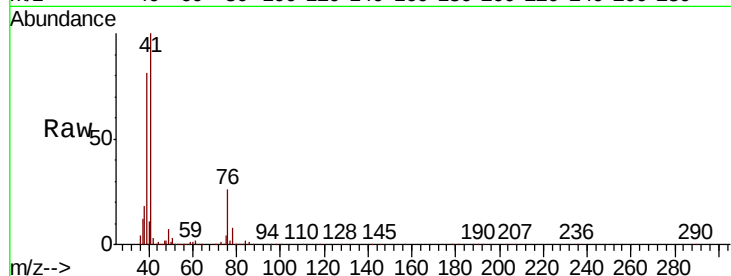




#21
Allvl Chloride
Concen: 8.979 ppbv
RT: 4.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

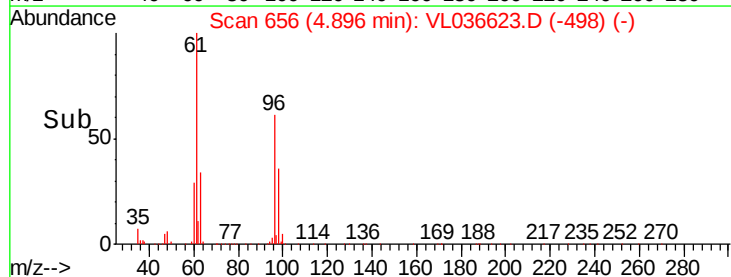
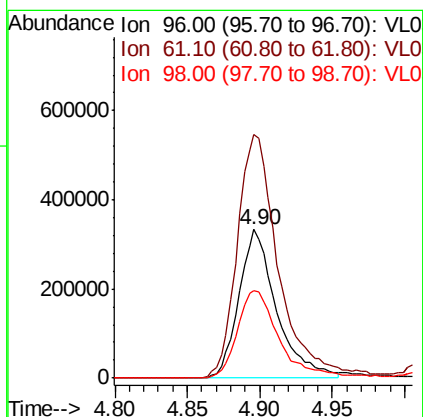
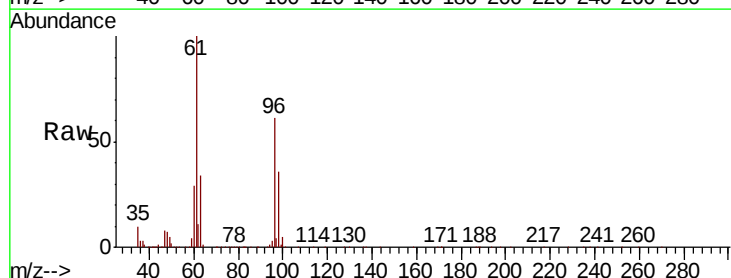
Instrument :
MSVOA_L
ClientSampleId :

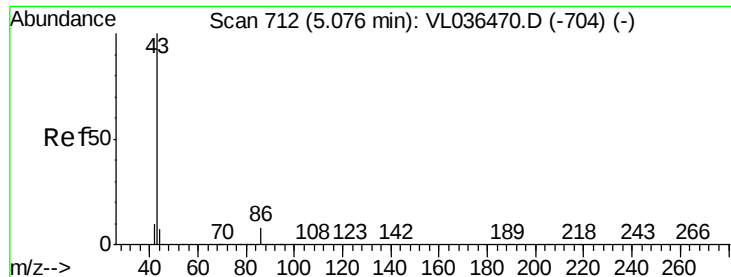
Tot Ion: 41 Resp: 1076727
Ion Ratio Lower Upper
41 100
76 27.8 22.9 34.3
39 87.9 67.3 100.9



#22
trans-1,2-Dichloroethene
Concen: 8.956 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 96 Resp: 599862
Ion Ratio Lower Upper
96 100
61 163.7 129.4 194.0
98 58.9 48.2 72.4





#23

Vinyl Acetate

Concen: 9.758 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2510966

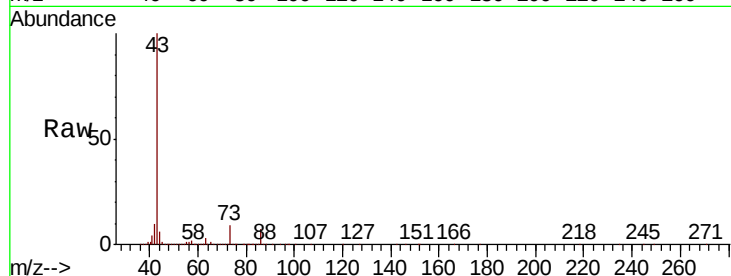
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.4	8.0
42	10.0	8.5	12.7
44	5.1	4.6	7.0

43 100

86 7.2 5.4 8.0

42 10.0 8.5 12.7

44 5.1 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

2000000

1500000

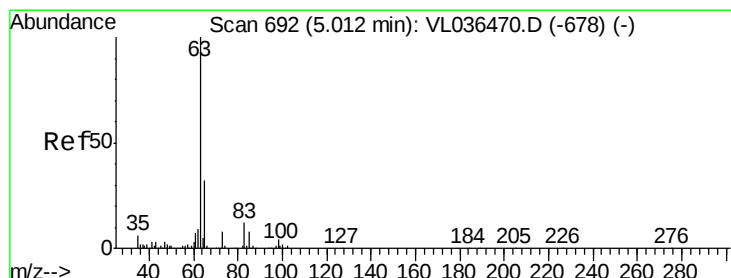
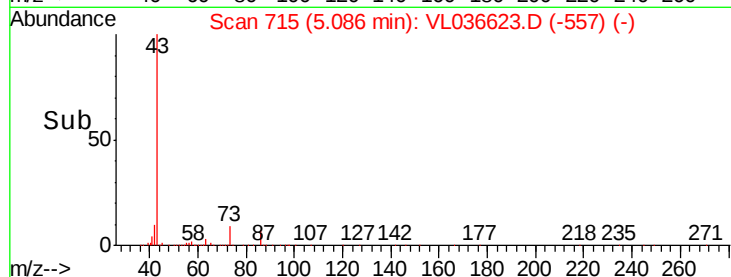
1000000

500000

0

5.05 5.10 5.15 5.20

Time-->



#24

1,1-Dichloroethane

Concen: 9.343 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

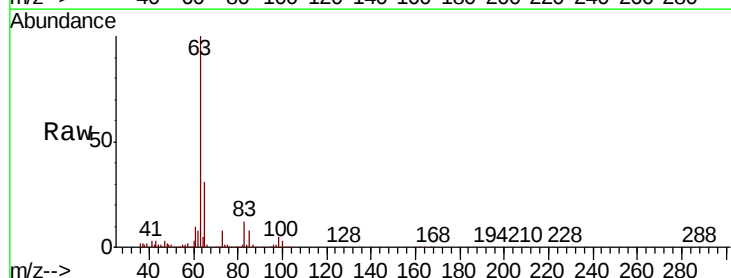
Tgt Ion: 63 Resp: 1752225

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.6	0.9	2.8

63 100

98 4.6 2.1 6.2

100 2.6 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

1000000

800000

600000

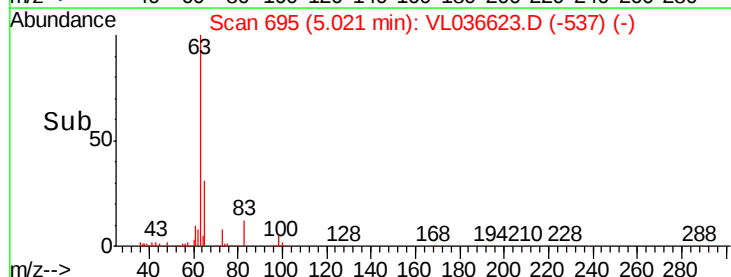
400000

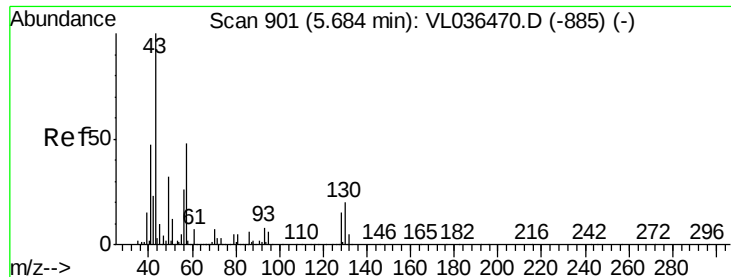
200000

0

5.00 5.10

Time-->

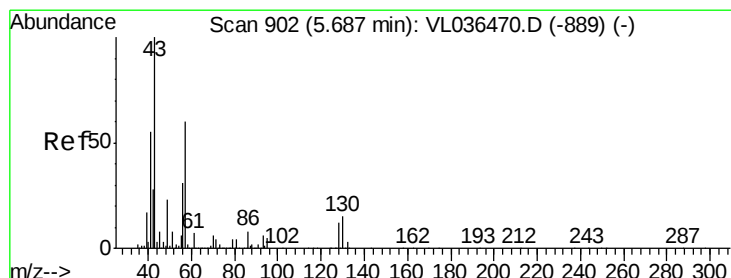
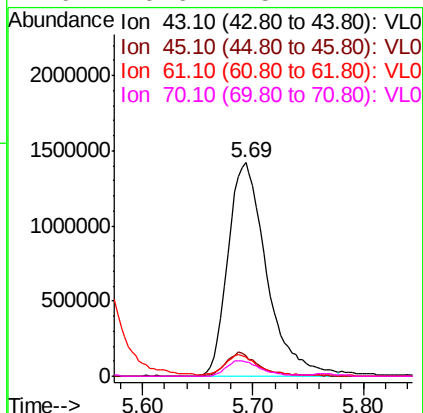
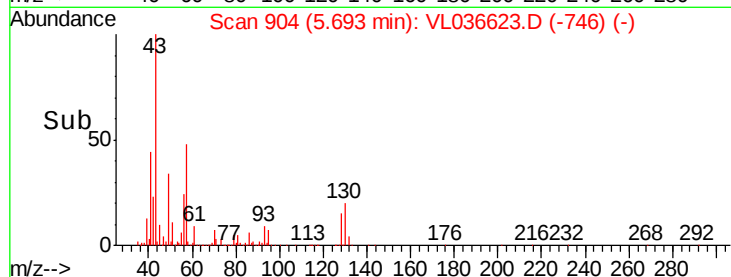
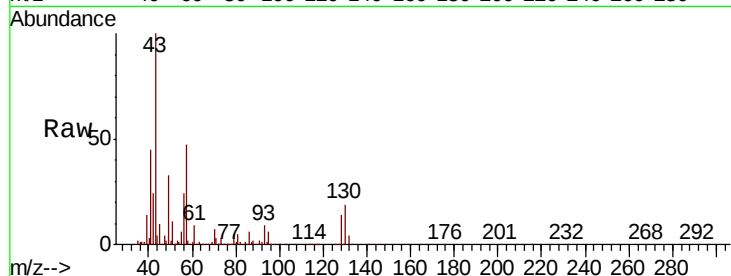




#25
Ethyl Acetate
Concen: 9.614 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

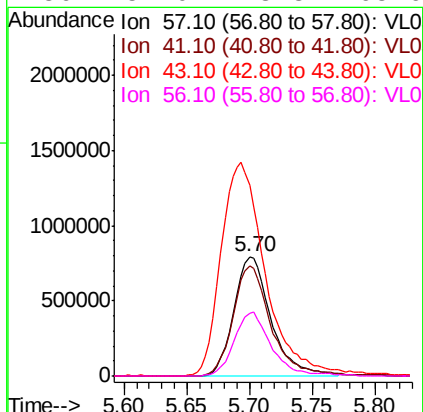
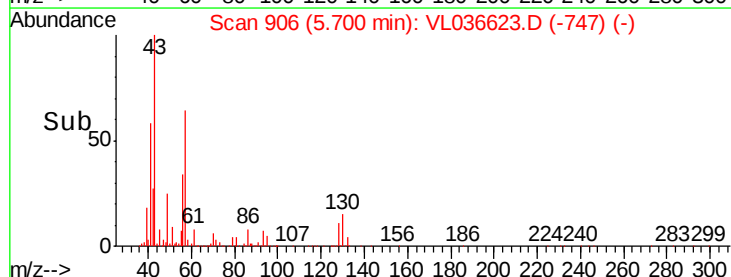
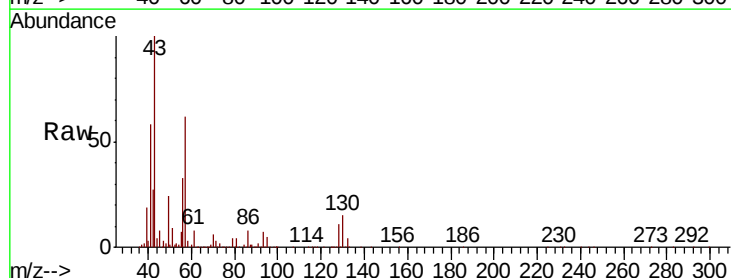
Instrument :
MSVOA_L
ClientSampleId :

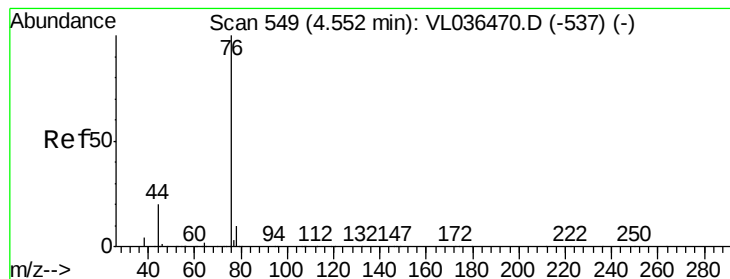
Tot Ion: 43 Resp: 3438325
Ion Ratio Lower Upper
43 100
45 9.7 7.9 11.9
61 9.2 7.4 11.2
70 6.6 5.1 7.7



#26
Hexane
Concen: 9.842 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 57 Resp: 1633420
Ion Ratio Lower Upper
57 100
41 95.4 77.2 115.8
43 215.0 173.8 260.6
56 54.0 43.8 65.6





#27

Carbon Disulfide

Concen: 9.525 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

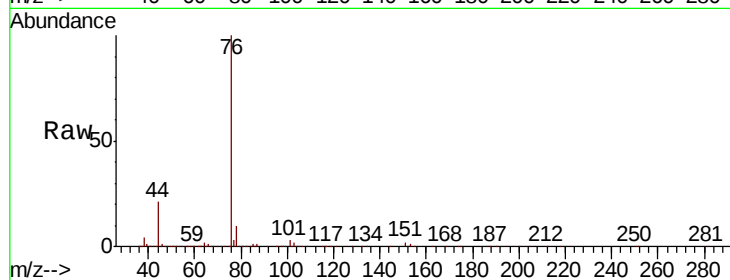
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 76 Resp: 1557207

Ion	Ratio	Lower	Upper
76	100		
44	20.7	17.5	26.3
78	9.9	8.6	13.0

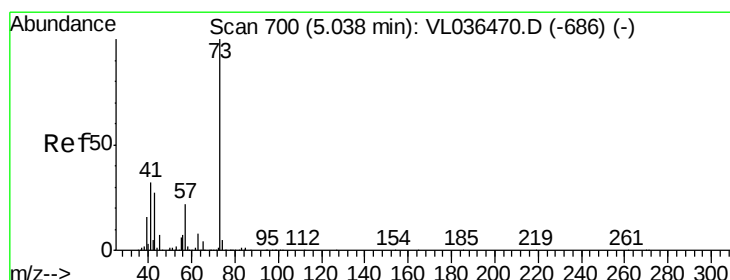
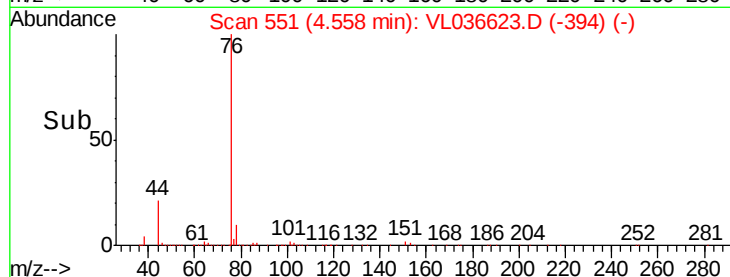
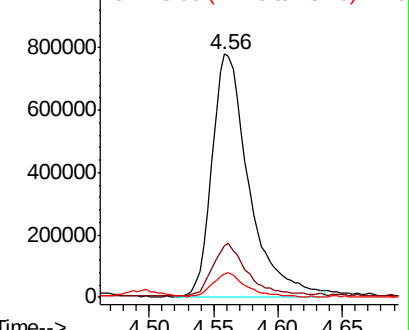


Abundance

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: 9.866 ppbv

RT: 5.05 min Scan# 703

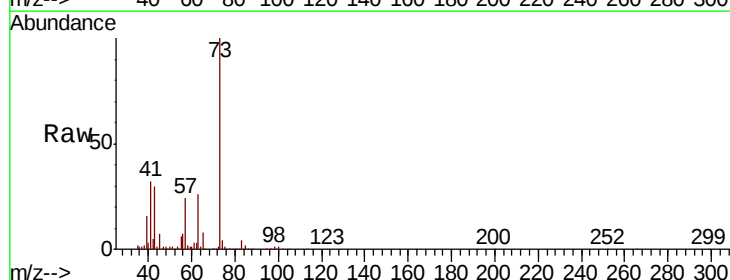
Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion: 73 Resp: 1931018

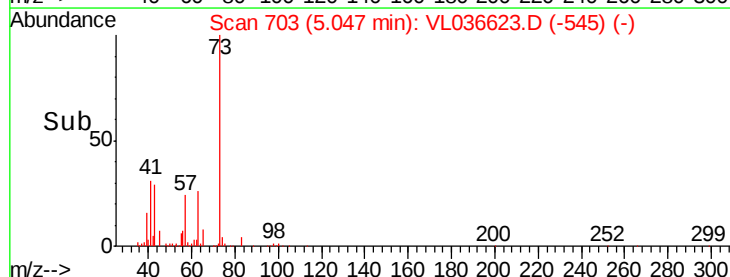
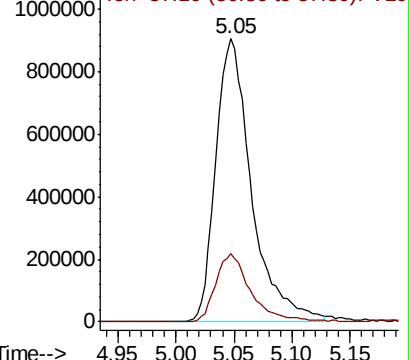
Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.5	27.7

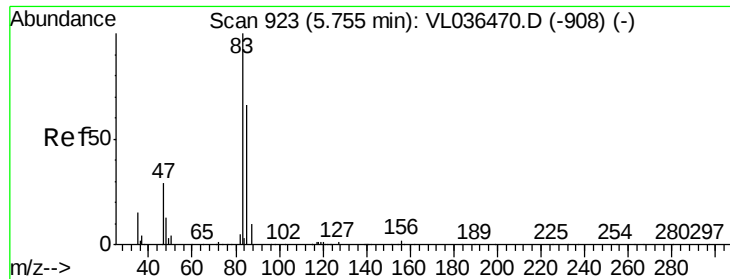


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.579 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

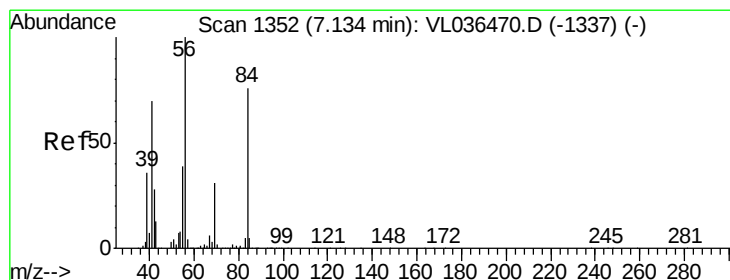
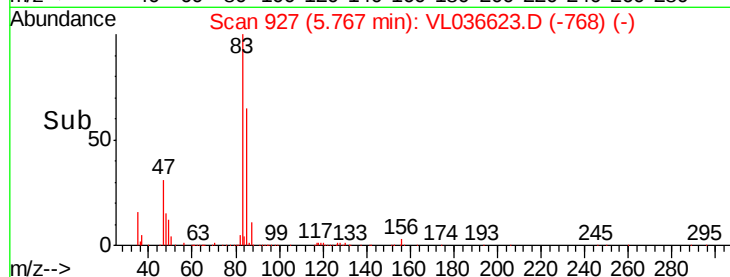
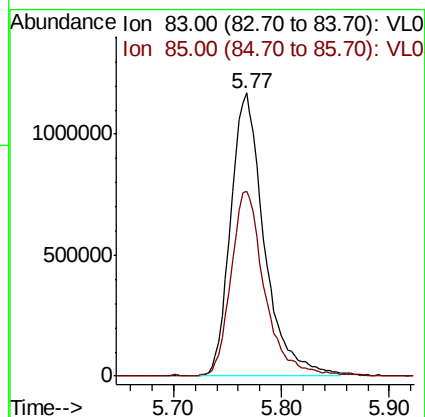
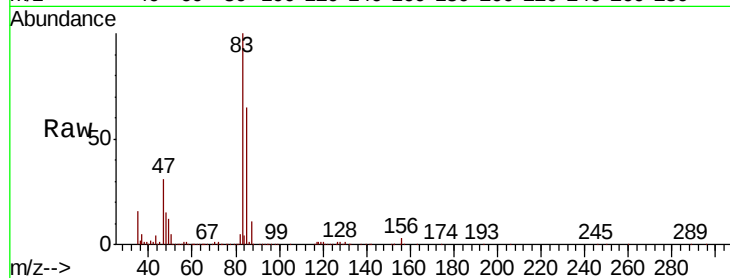
ClientSampled :

Tot Ion: 83 Resp: 2542445

Ion Ratio Lower Upper

83 100

85 65.1 52.6 78.8



#30

Cyclohexane

Concen: 10.319 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

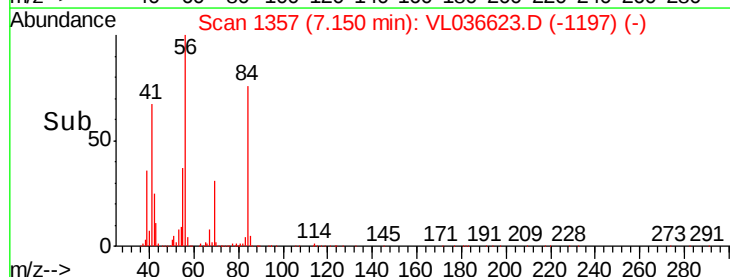
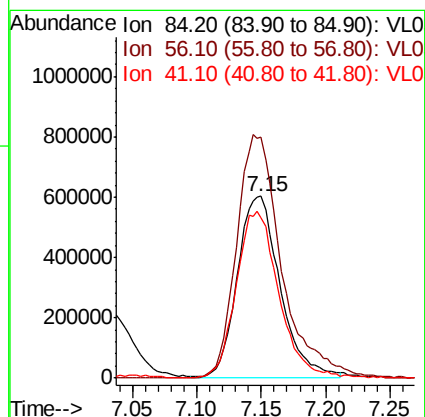
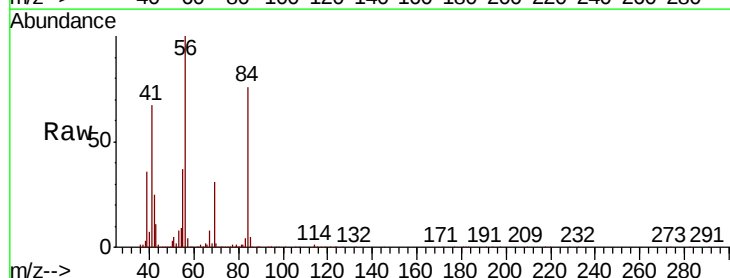
Tgt Ion: 84 Resp: 1388944

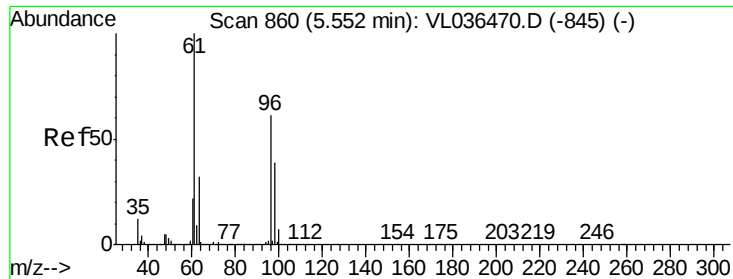
Ion Ratio Lower Upper

84 100

56 142.2 114.6 171.8

41 91.2 75.3 112.9

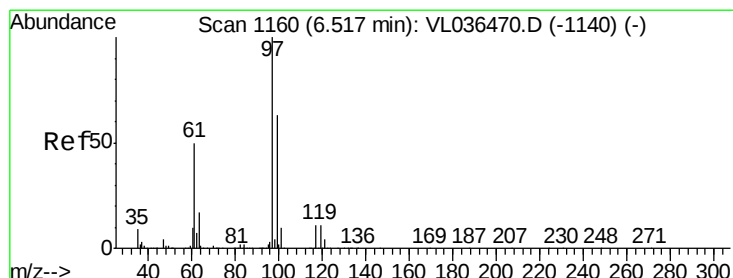
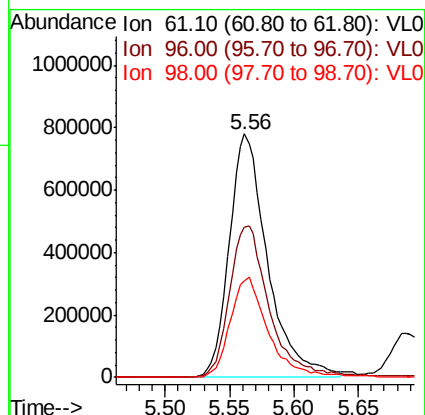
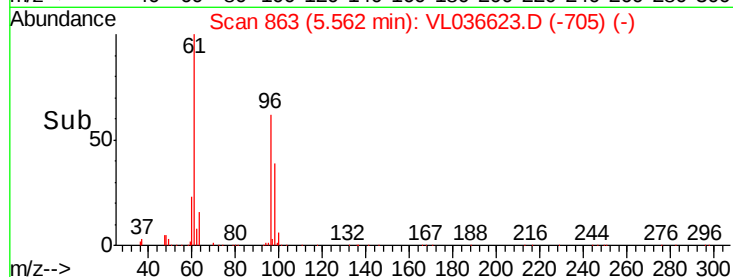
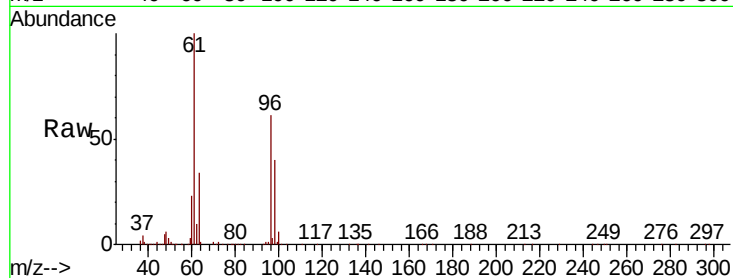




#31
 cis-1,2-Dichloroethene
 Concen: 9.967 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

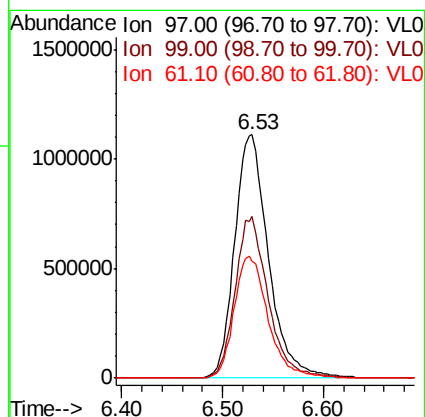
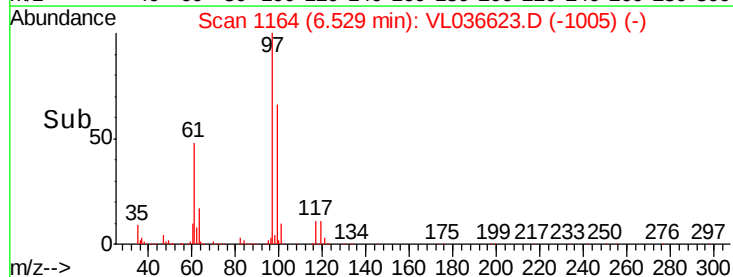
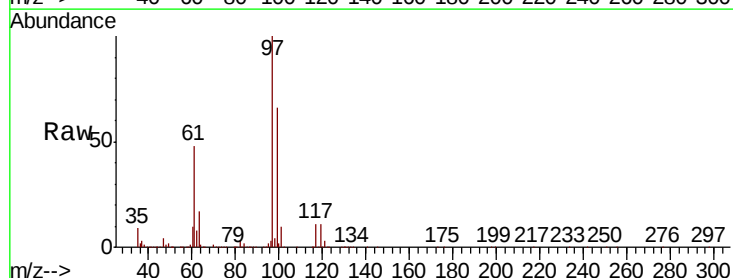
Instrument :
 MSVOA_L
 ClientSampleId :

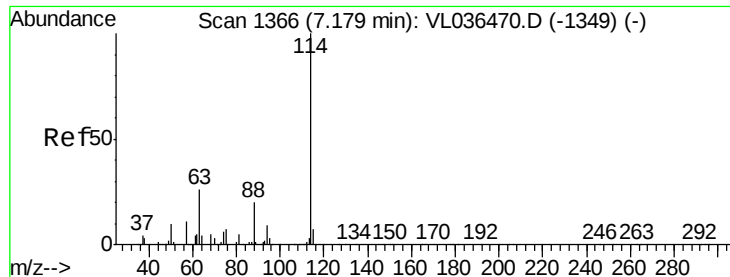
Tot Ion: 61 Resp: 1599967
 Ion Ratio Lower Upper
 61 100
 96 61.4 48.7 73.1
 98 39.8 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 9.671 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 97 Resp: 2586817
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.4 77.0
 61 50.5 40.6 60.8

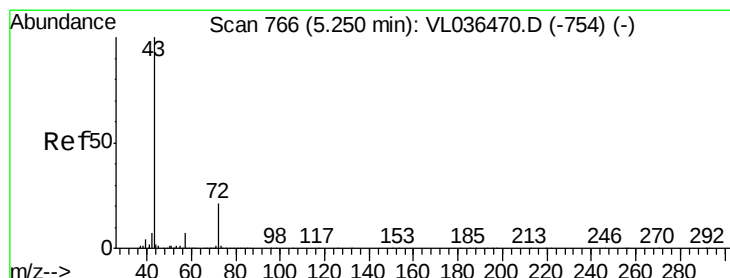
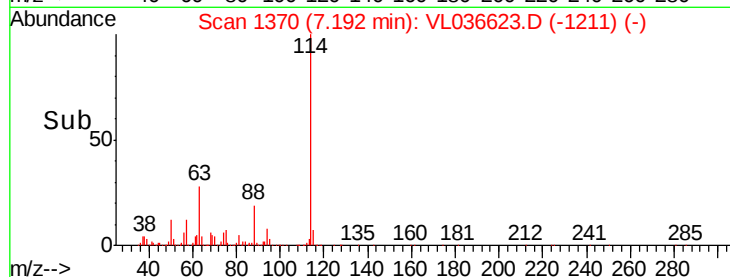
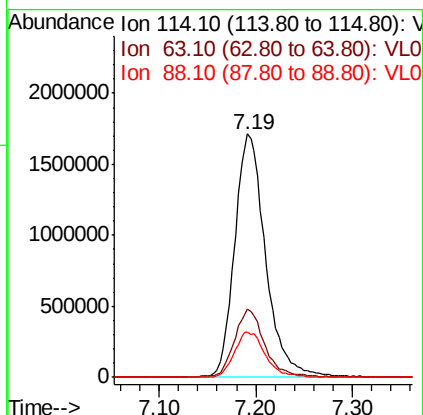
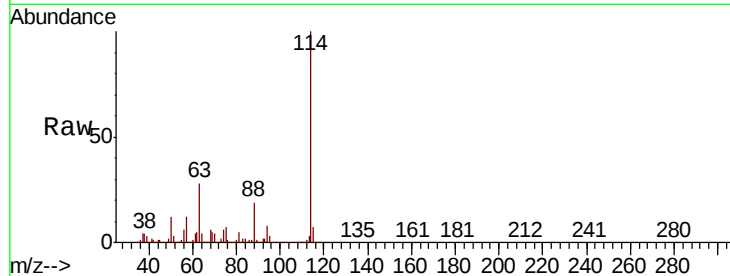




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

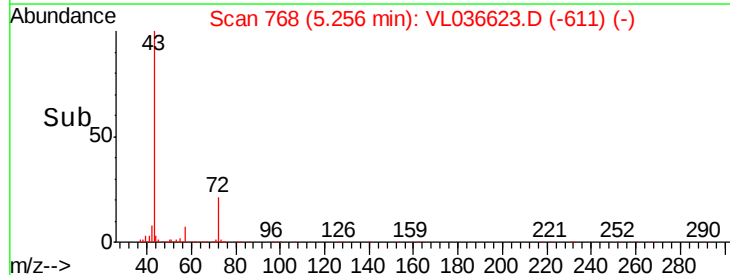
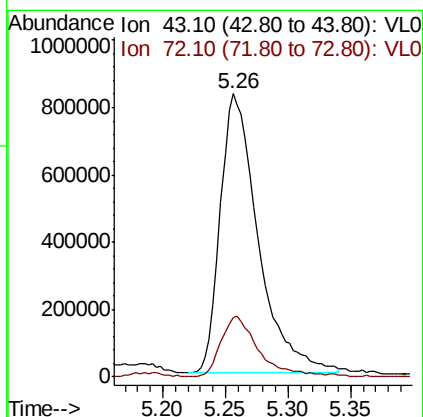
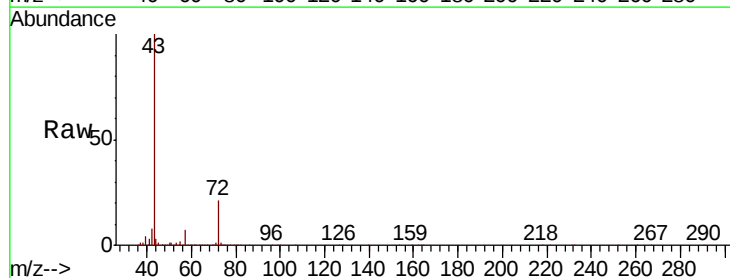
Instrument :
 MSVOA_L
 ClientSampleId :

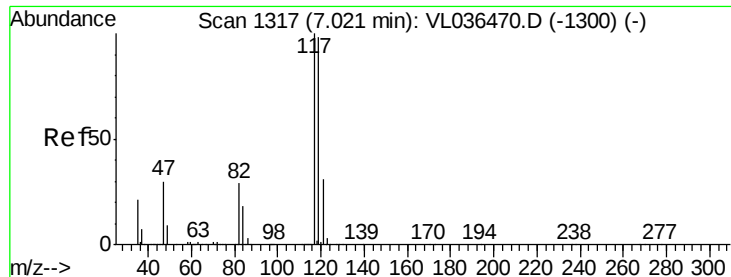
Tot Ion:114 Resp: 3794468
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.4 33.6
 88 19.0 15.4 23.0



#34
 2-Butanone
 Concen: 9.451 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 43 Resp: 1750519
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.0 25.6





#35

Carbon Tetrachloride

Concen: 9.194 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

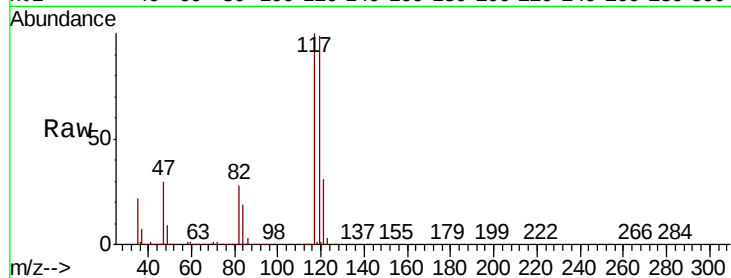
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2679690

Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.2	117.2
121	30.8	24.5	36.7

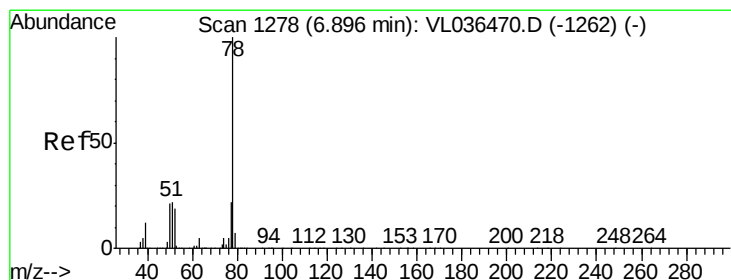
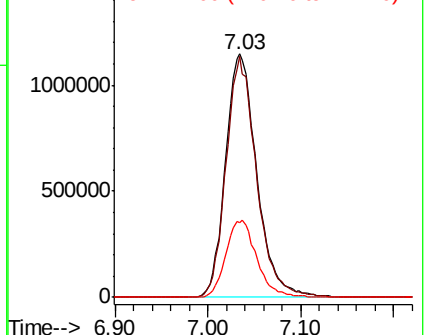
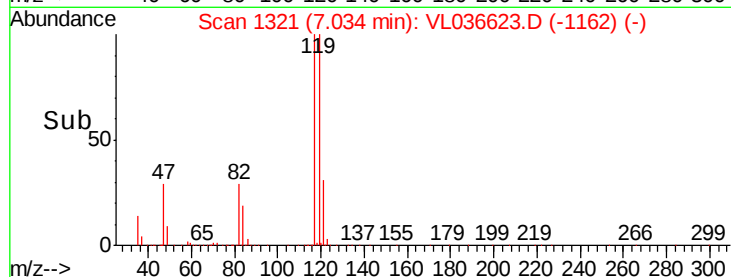


Abundance

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: 9.591 ppbv

RT: 6.91 min Scan# 1282

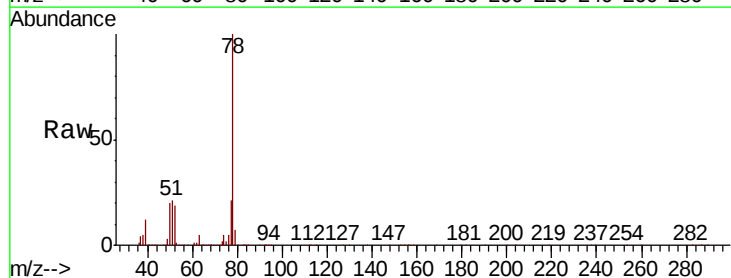
Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion: 78 Resp: 3356481

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.0	27.0
50	20.0	16.5	24.7

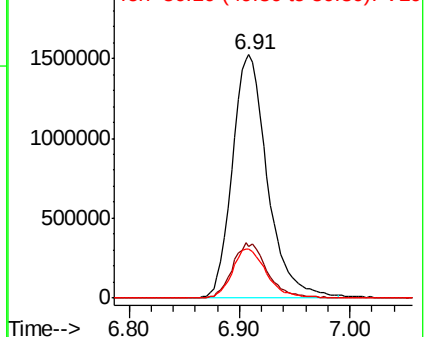
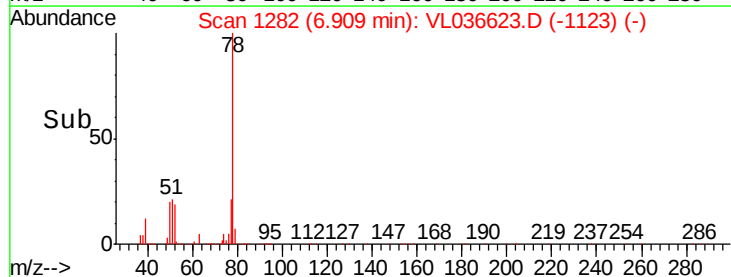


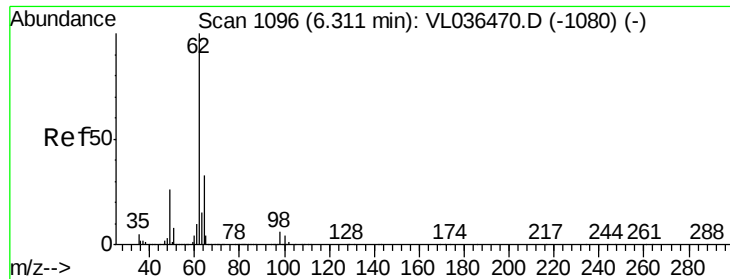
Abundance

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

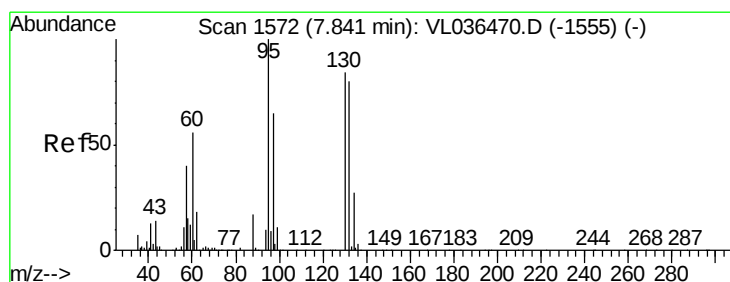
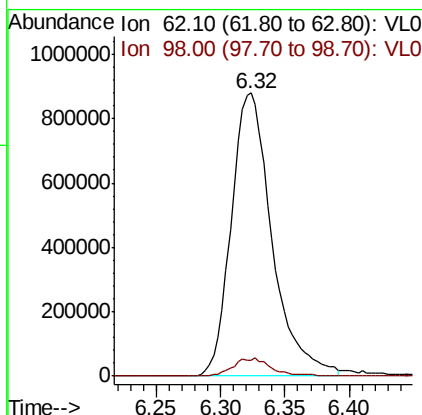
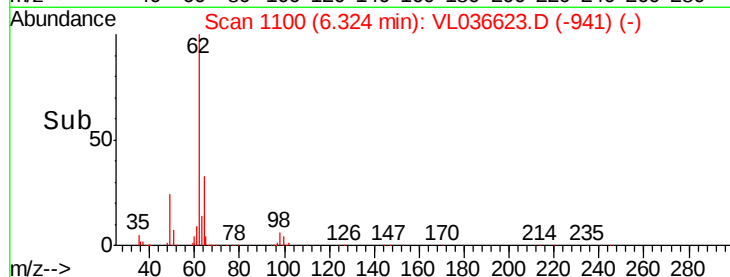
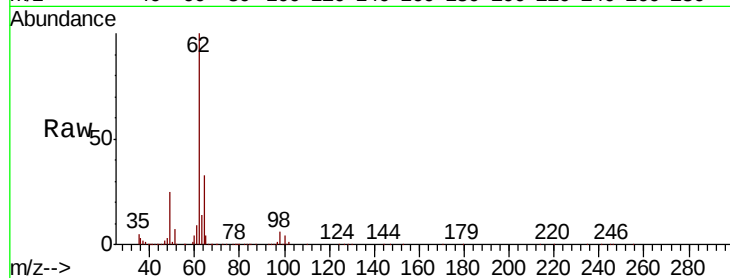




#37
 1,2-Dichloroethane
 Concen: 9.391 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

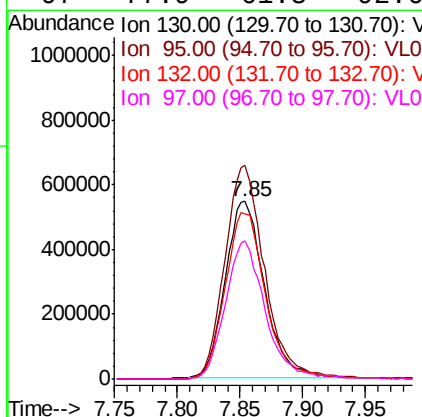
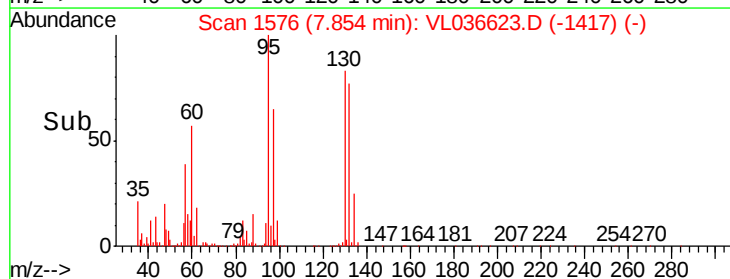
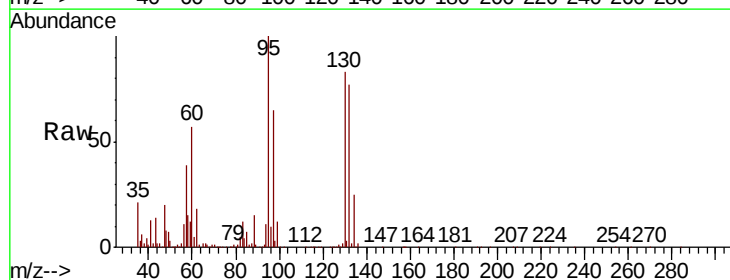
Instrument :
 MSVOA_L
 ClientSampleId :

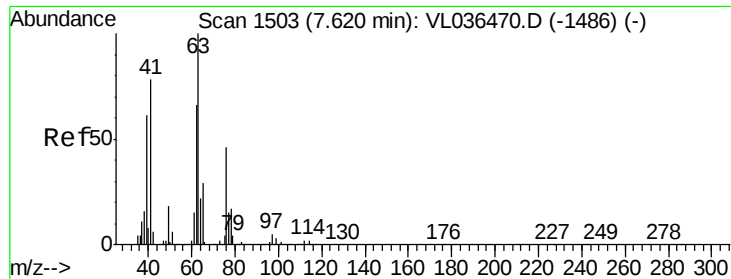
Tot Ion: 62 Resp: 1934196
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 8.639 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion:130 Resp: 1176512
 Ion Ratio Lower Upper
 130 100
 95 120.9 95.7 143.5
 132 93.3 76.2 114.4
 97 77.9 61.8 92.6

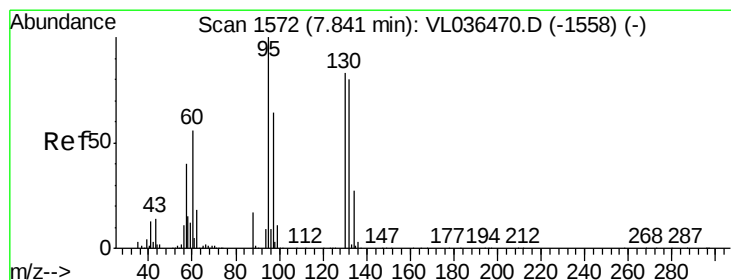
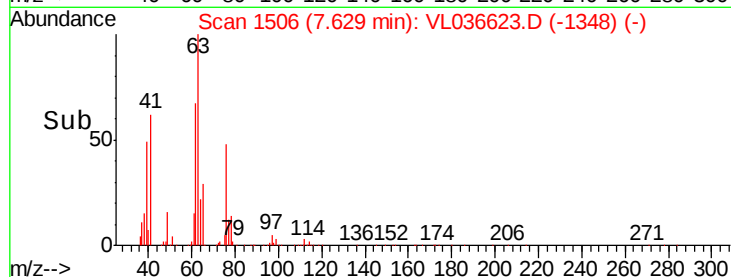
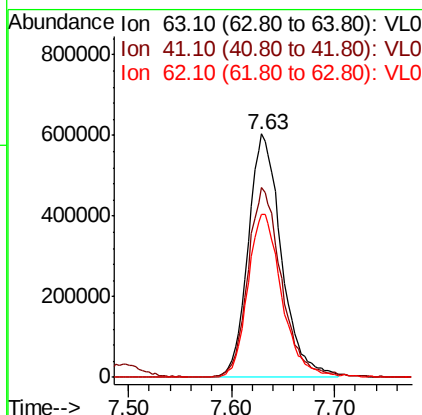
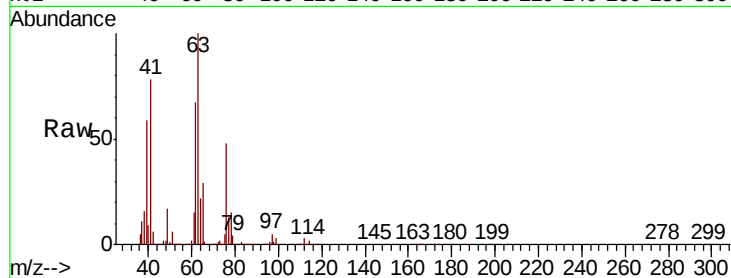




#39
 1,2-Dichloropropane
 Concen: 9.489 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

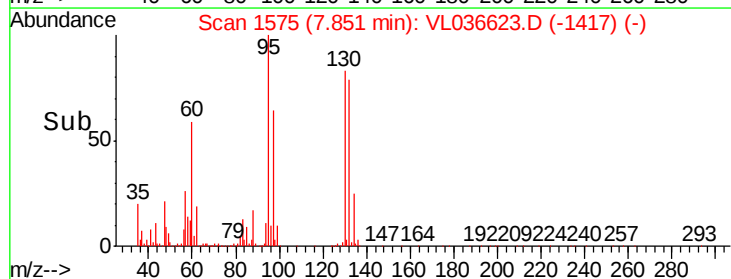
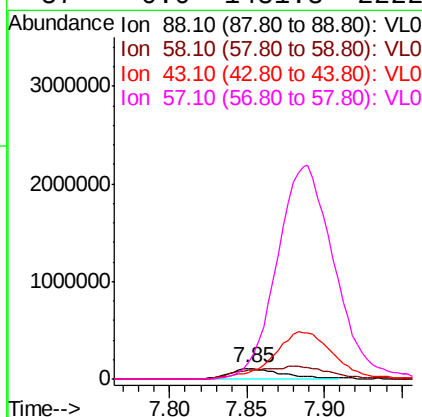
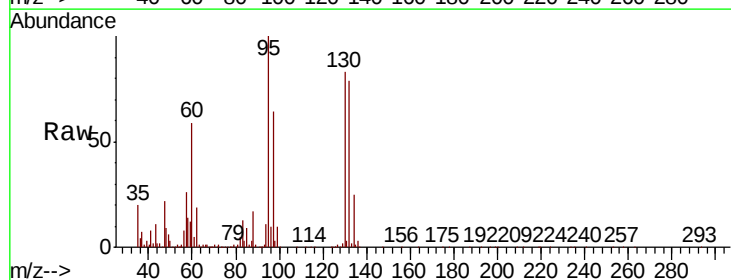
Instrument :
 MSVOA_L
 ClientSampleId :

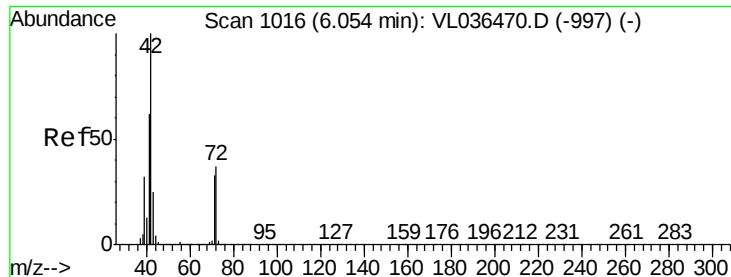
Tot Ion: 63 Resp: 1346978
 Ion Ratio Lower Upper
 63 100
 41 77.7 62.4 93.6
 62 66.7 52.8 79.2



#40
 1,4-Dioxane
 Concen: 7.768 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 88 Resp: 256653
 Ion Ratio Lower Upper
 88 100
 58 0.0 134.1 201.1#
 43 0.0 346.6 520.0#
 57 0.0 1481.8 2222.8#





#41

Tetrahydrofuran

Concen: 9.433 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampled :

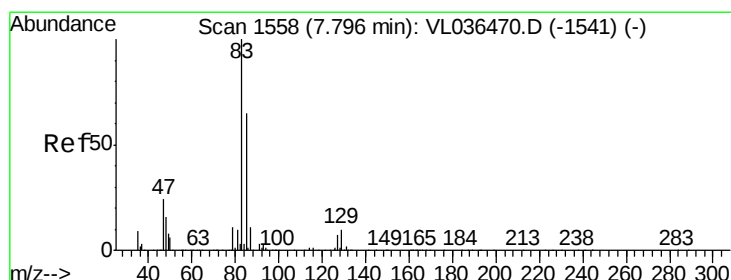
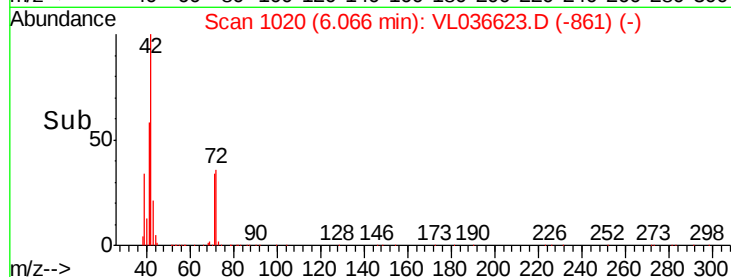
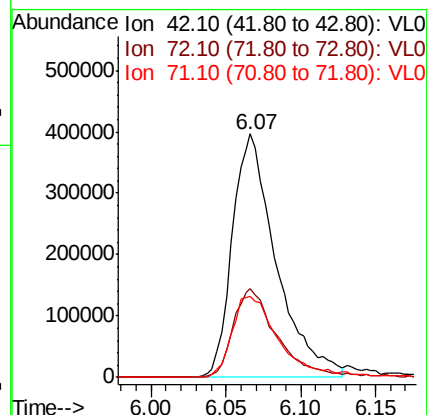
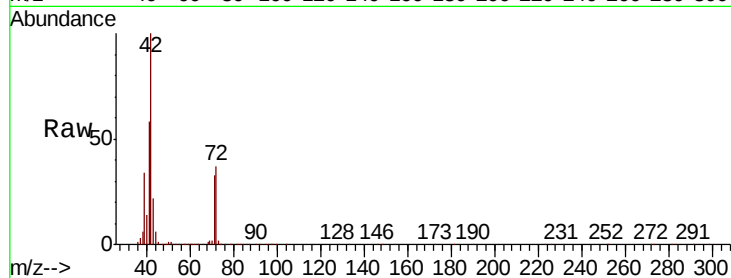
Tot Ion: 42 Resp: 805617

Ion Ratio Lower Upper

42 100

72 37.6 27.6 41.4

71 36.7 27.0 40.4



#42

Bromodichloromethane

Concen: 9.956 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

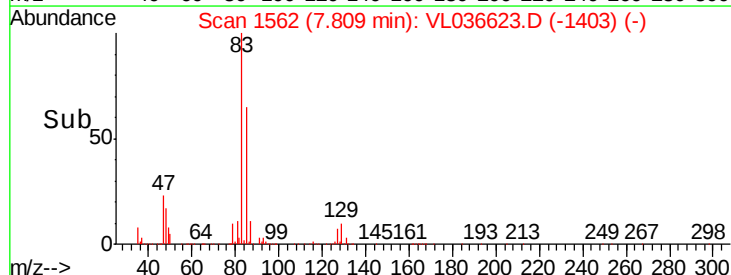
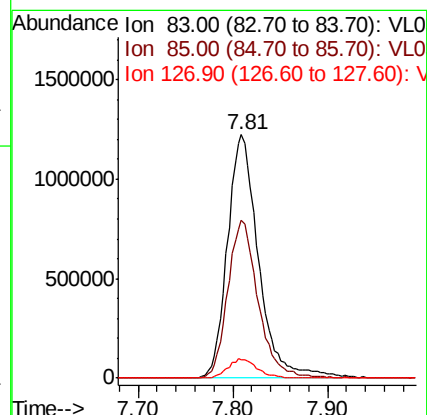
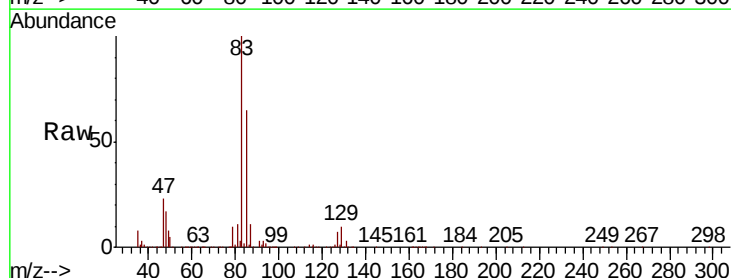
Tgt Ion: 83 Resp: 2789179

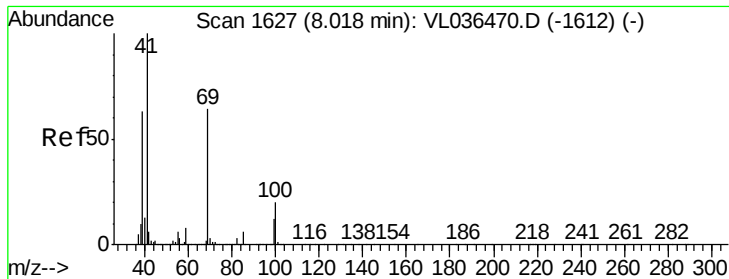
Ion Ratio Lower Upper

83 100

85 65.0 51.8 77.6

127 7.3 5.8 8.8





#43

Methyl Methacrylate

Concen: 10.429 ppbv

RT: 8.03 min Scan# 1632

Delta R.T. 0.02 min

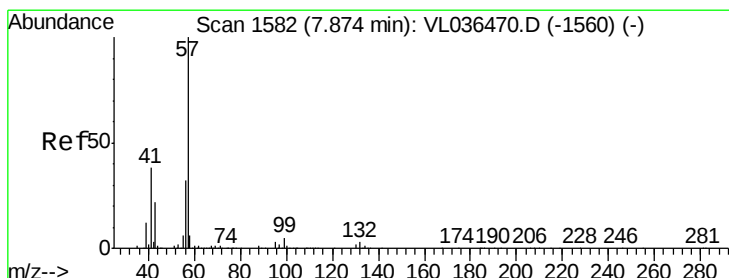
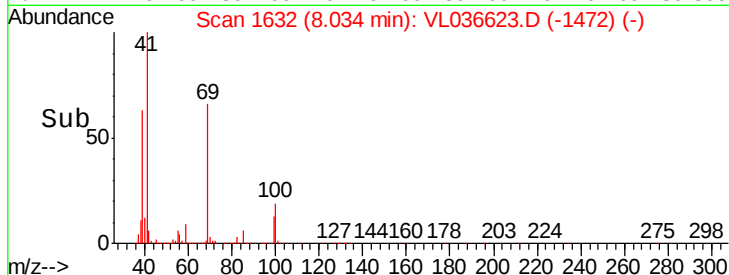
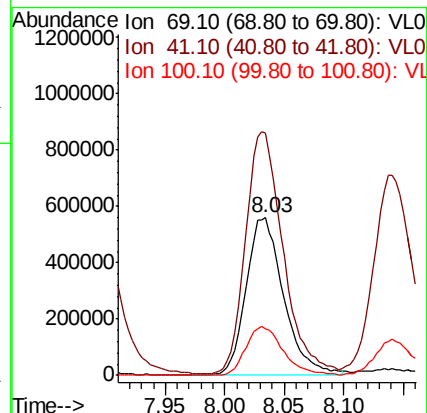
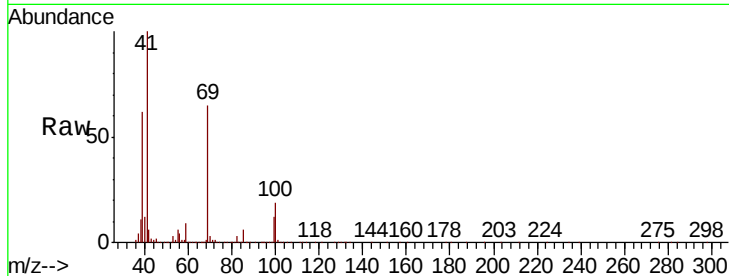
Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 69 Resp: 1225556

Ion	Ratio	Lower	Upper
69	100		
41	154.0	126.8	190.2
100	30.9	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 9.219 ppbv

RT: 7.89 min Scan# 1587

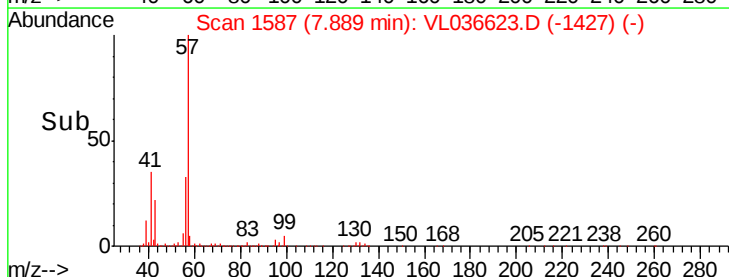
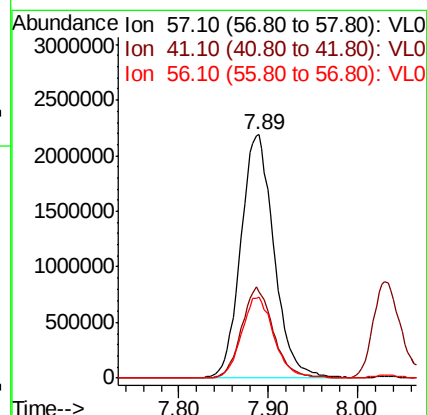
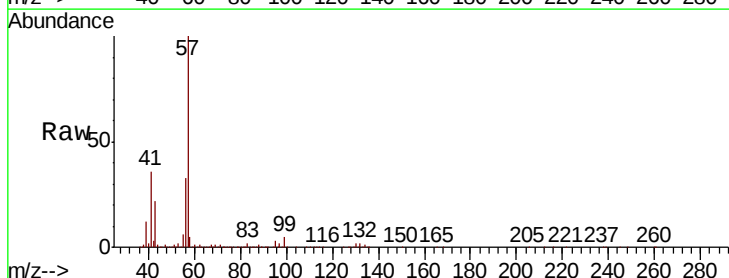
Delta R.T. 0.02 min

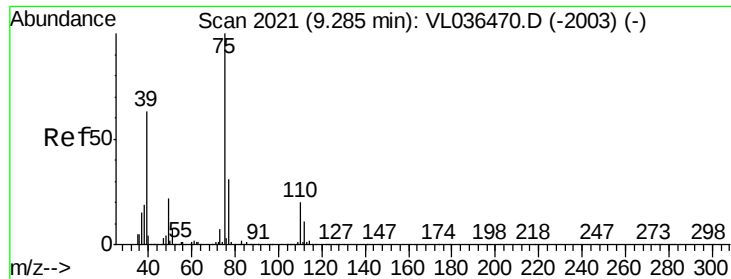
Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion: 57 Resp: 5677904

Ion	Ratio	Lower	Upper
57	100		
41	35.4	28.8	43.2
56	32.5	26.1	39.1

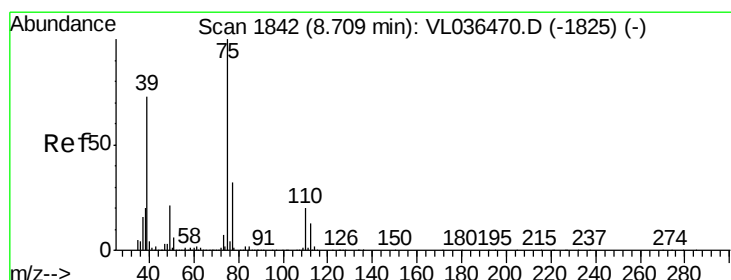
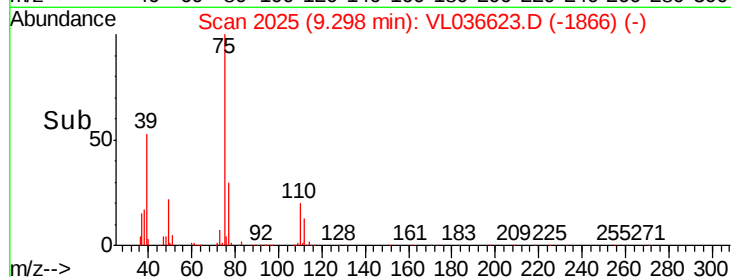
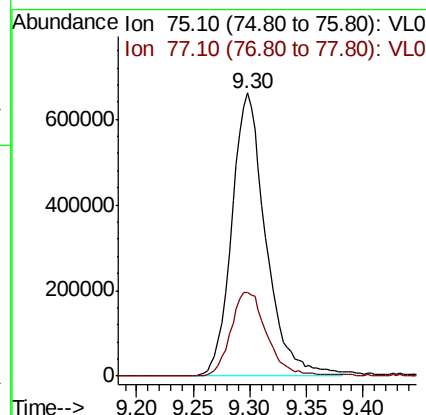
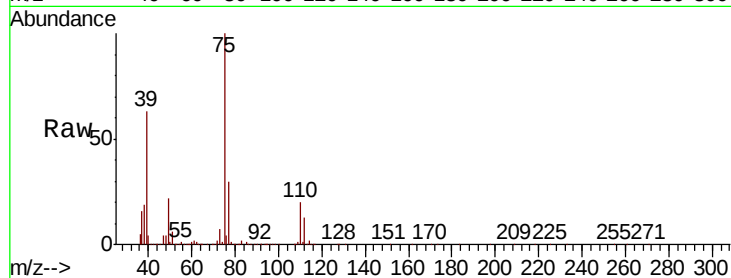




#45
 t-1,3-Dichloropropene
 Concen: 10.323 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

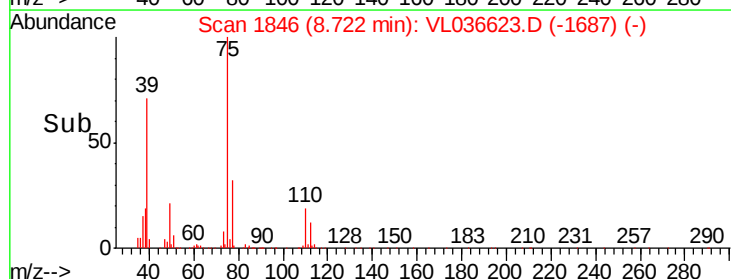
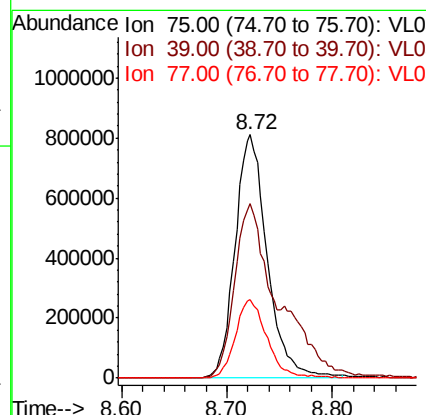
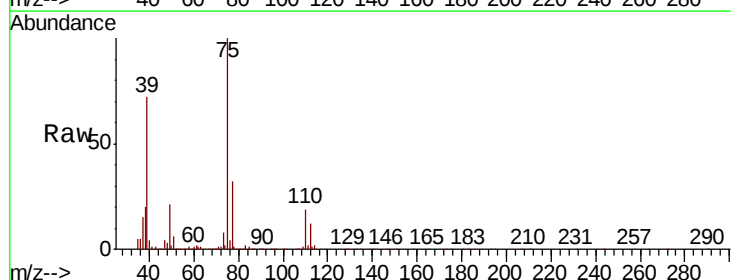
Instrument :
 MSVOA_L
 ClientSampleId :

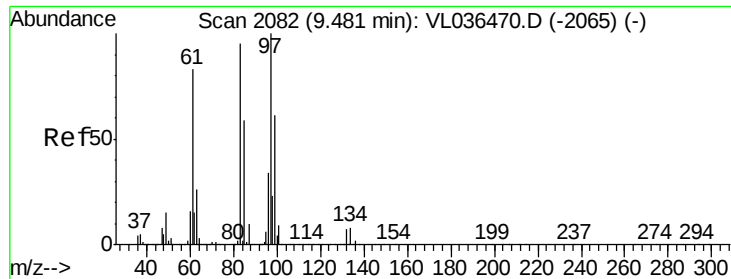
Tot Ion: 75 Resp: 1385121
 Ion Ratio Lower Upper
 75 100
 77 29.8 25.1 37.7



#46
 cis-1,3-Dichloropropene
 Concen: 10.000 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 75 Resp: 1715187
 Ion Ratio Lower Upper
 75 100
 39 71.6 58.2 87.2
 77 32.4 25.2 37.8



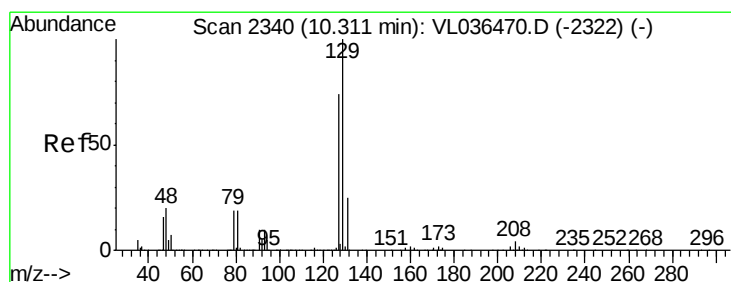
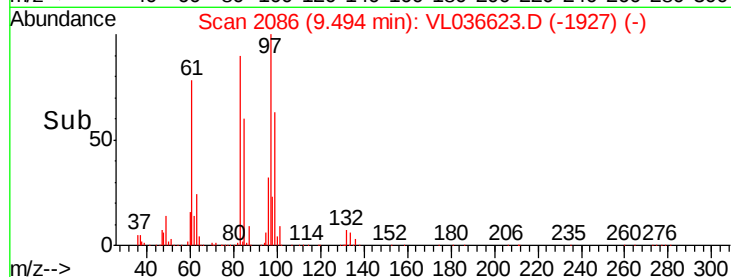
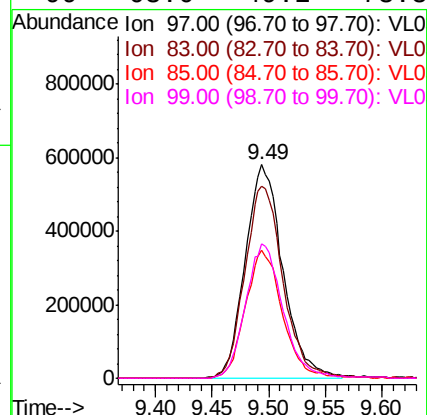
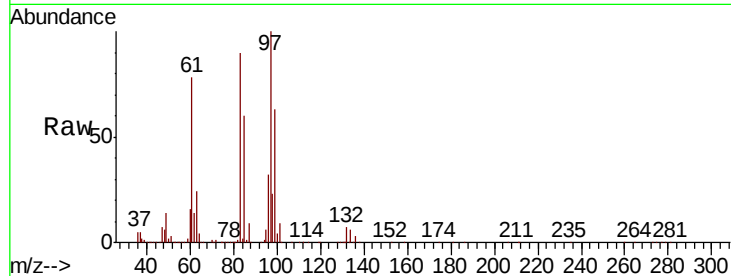


#47
 1,1,2-Trichloroethane
 Concen: 9.335 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1342177

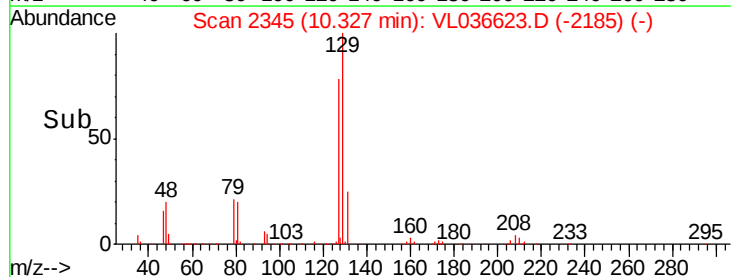
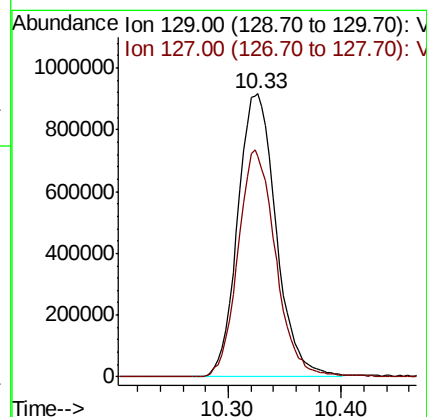
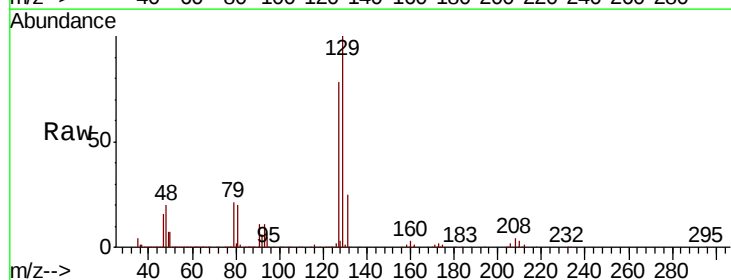
Ion	Ratio	Lower	Upper
97	100		
83	90.1	75.8	113.8
85	59.8	47.1	70.7
99	63.0	49.2	73.8

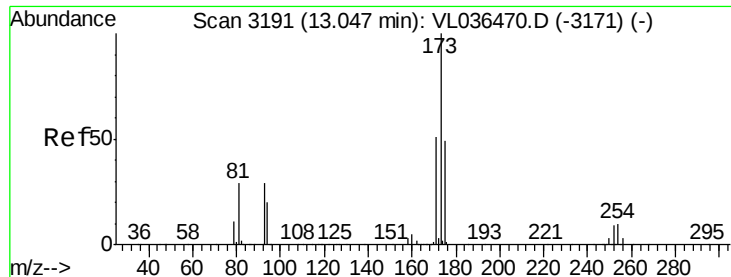


#48
 Dibromochloromethane
 Concen: 9.862 ppbv
 RT: 10.33 min Scan# 2345
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 129 Resp: 2161668

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8





#49

Bromoform

Concen: 9.593 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

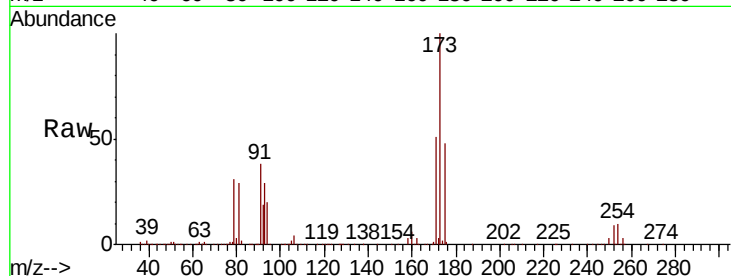
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1694259

Ion	Ratio	Lower	Upper
173	100		
175	49.6	39.6	59.4
171	53.3	41.4	62.0

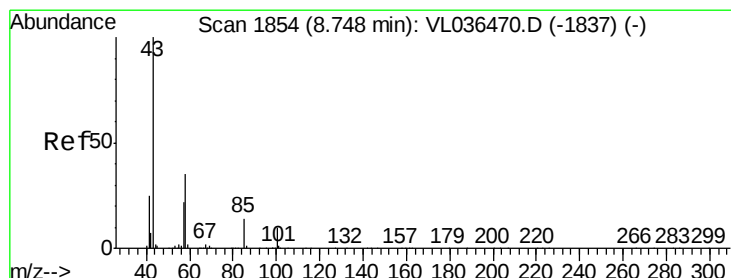
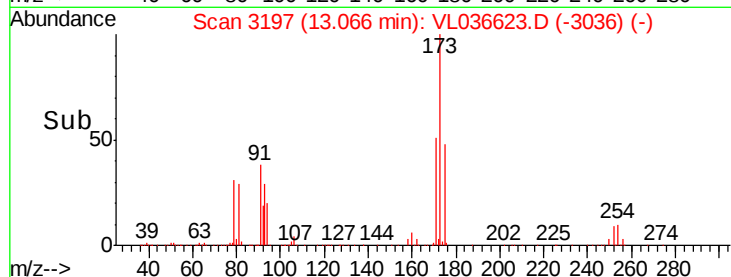
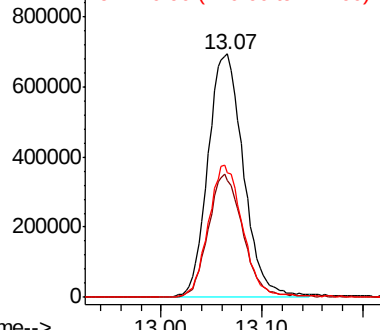


Abundance

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: 9.936 ppbv

RT: 8.76 min Scan# 1858

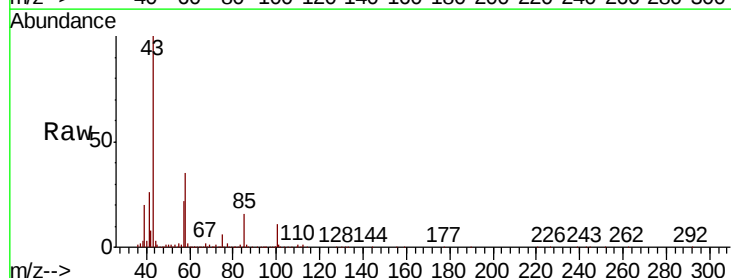
Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion: 43 Resp: 2662980

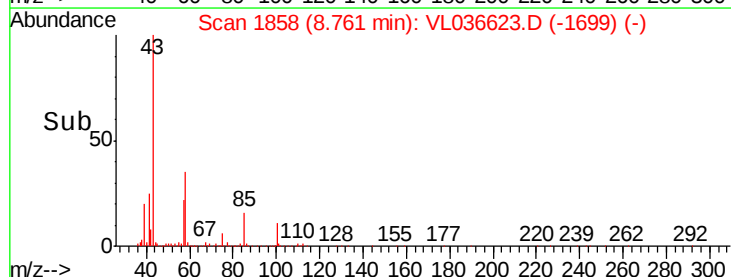
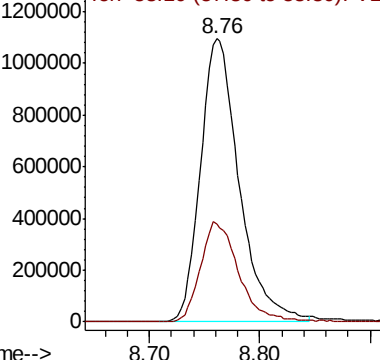
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.2	42.2

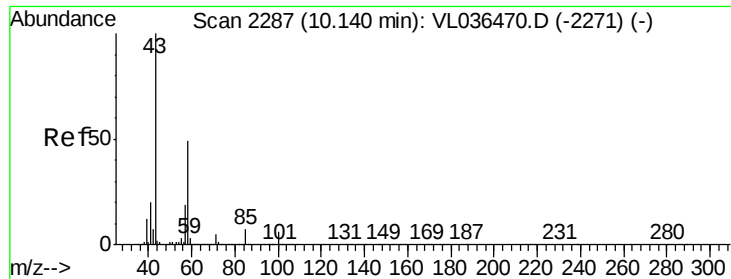


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

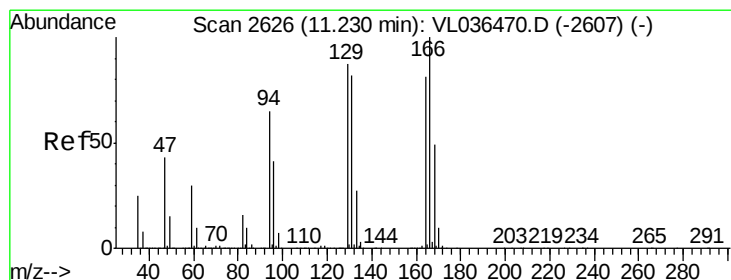
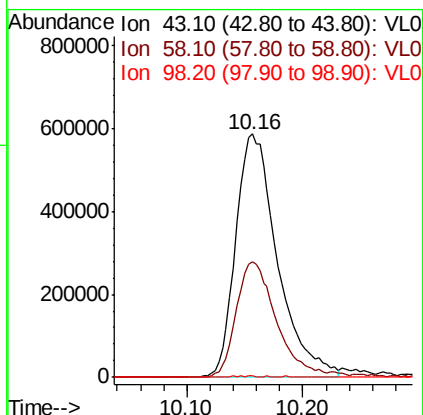
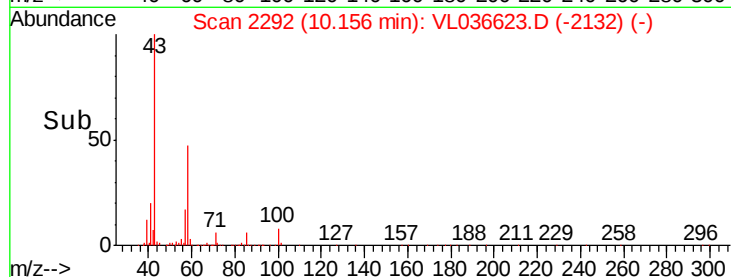
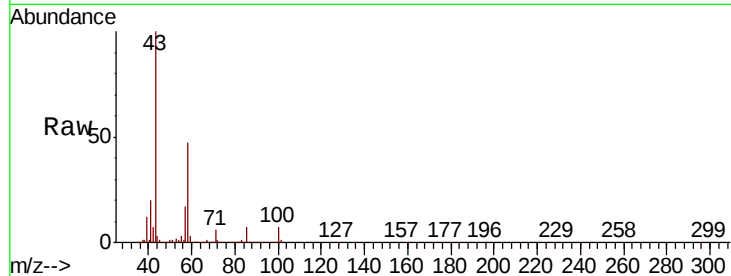




#51
2-Hexanone
Concen: 10.846 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

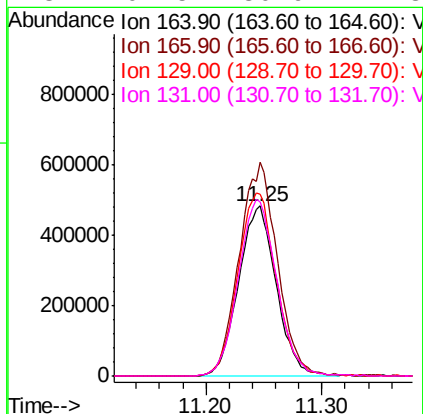
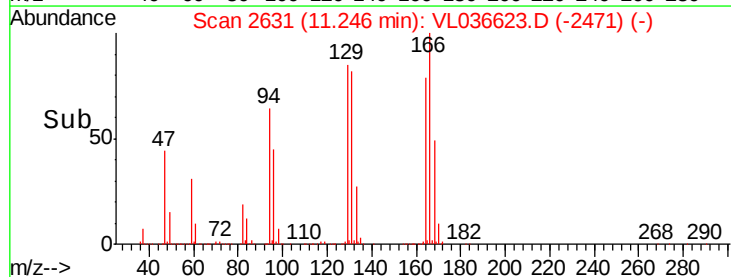
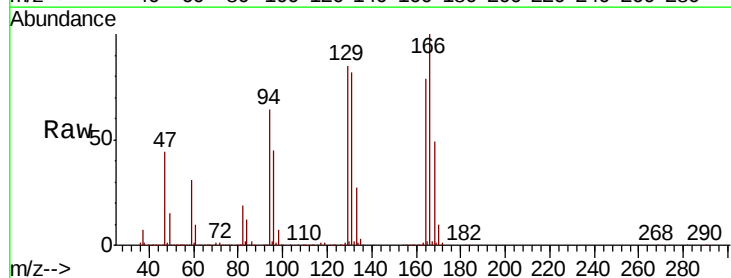
Instrument :
MSVOA_L
ClientSampleId :

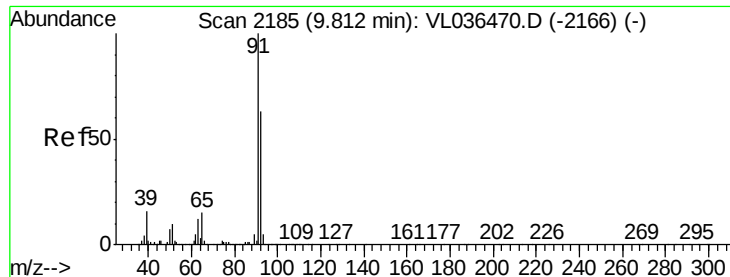
Tot Ion: 43 Resp: 1466825
Ion Ratio Lower Upper
43 100
58 47.3 37.7 56.5
98 0.7 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.413 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion:164 Resp: 1084136
Ion Ratio Lower Upper
164 100
166 125.8 98.3 147.5
129 106.7 85.8 128.8
131 102.5 80.9 121.3





#53

Toluene

Concen: 9.853 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

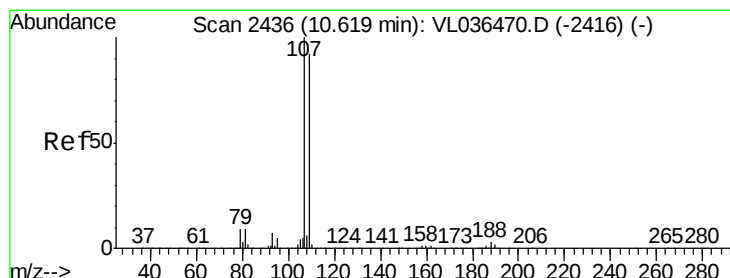
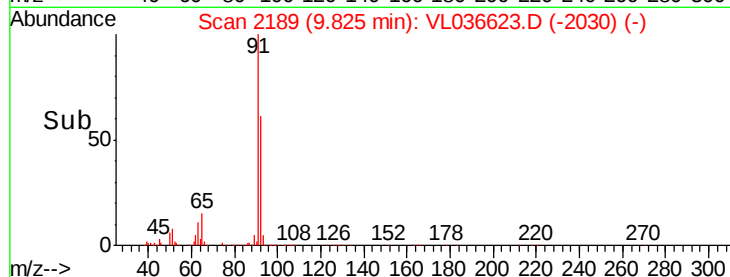
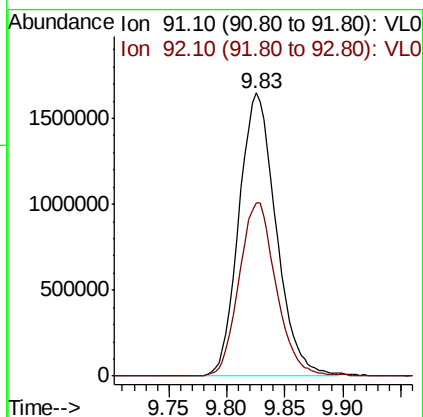
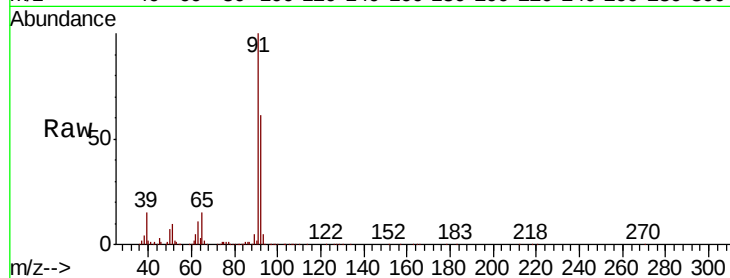
ClientSampleId :

Tot Ion: 91 Resp: 3671962

Ion Ratio Lower Upper

91 100

92 61.4 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.202 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL036623.D

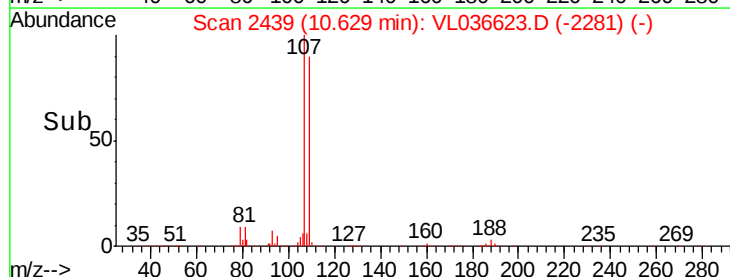
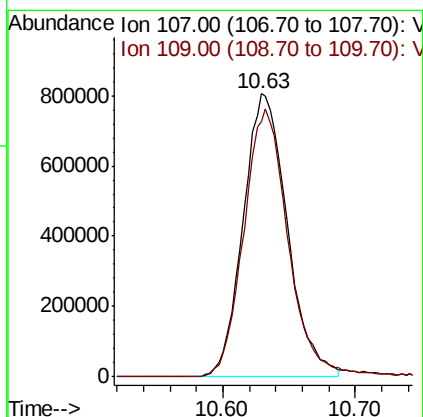
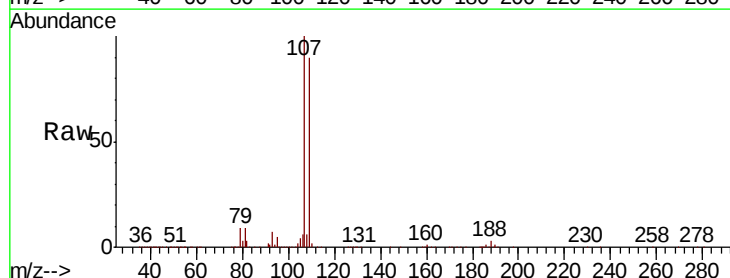
Acq: 1 Apr 2021 5:25

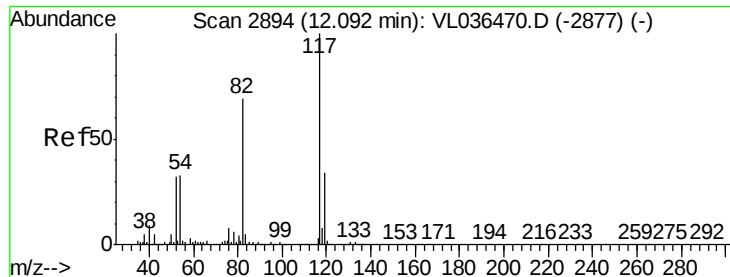
Tgt Ion: 107 Resp: 1868534

Ion Ratio Lower Upper

107 100

109 90.2 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

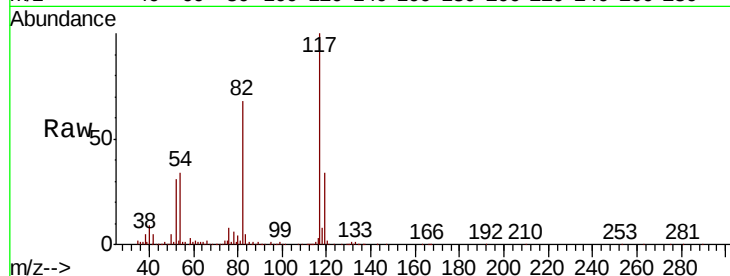
Tot Ion:117 Resp: 4298656

Ion Ratio Lower Upper

117 100

82 55.7 57.4 86.0#

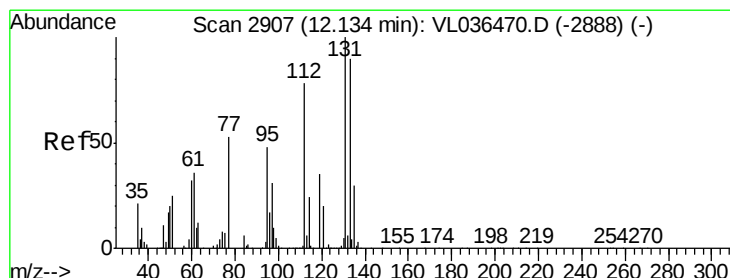
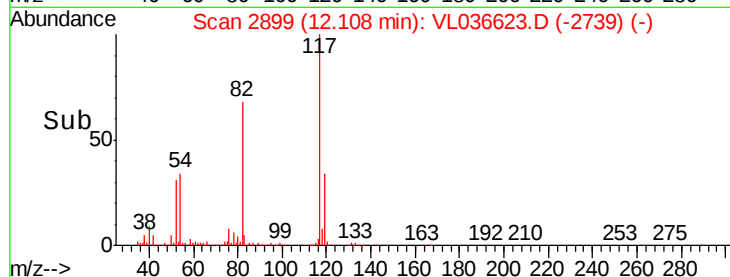
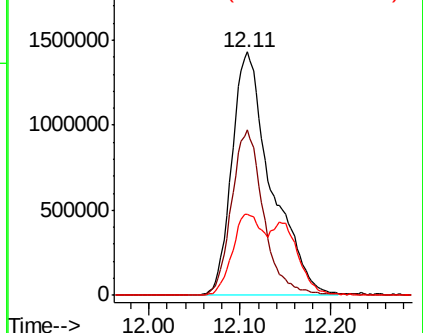
119 47.3 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.489 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

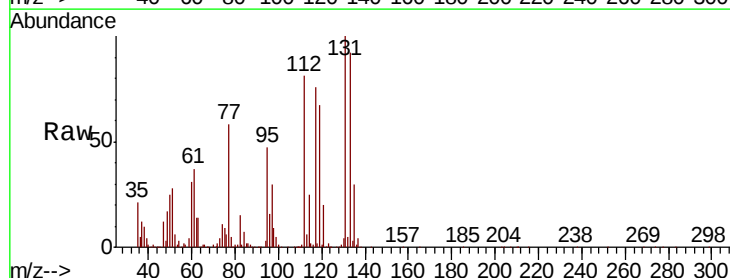
Tgt Ion:131 Resp: 1456034

Ion Ratio Lower Upper

131 100

133 96.0 75.8 113.6

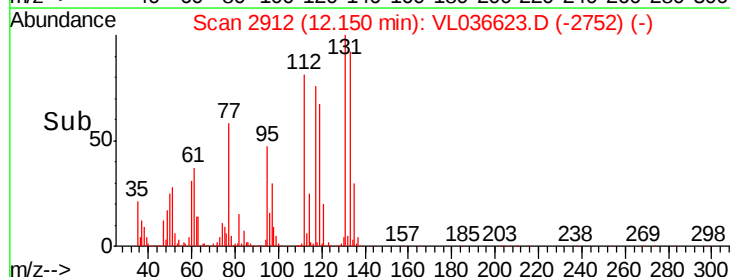
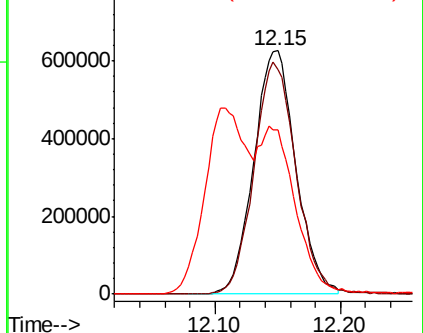
119 61.2 48.7 73.1

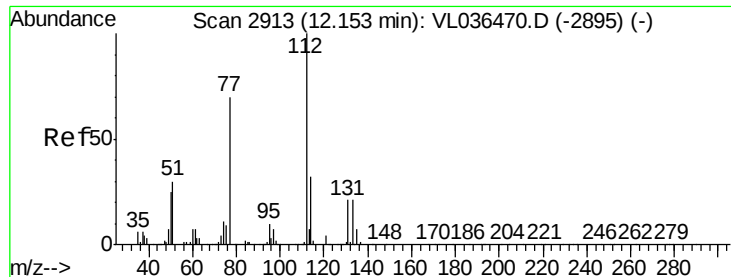


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.160 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

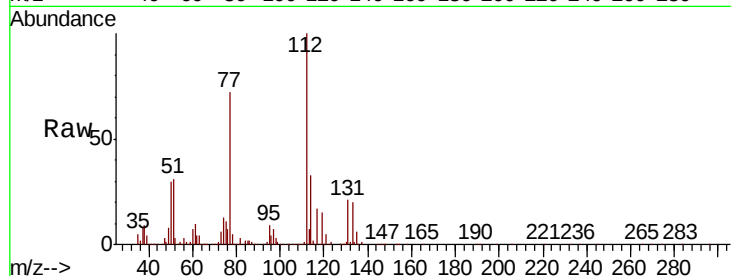
Tot Ion:112 Resp: 2618682

Ion Ratio Lower Upper

112 100

77 71.4 56.0 84.0

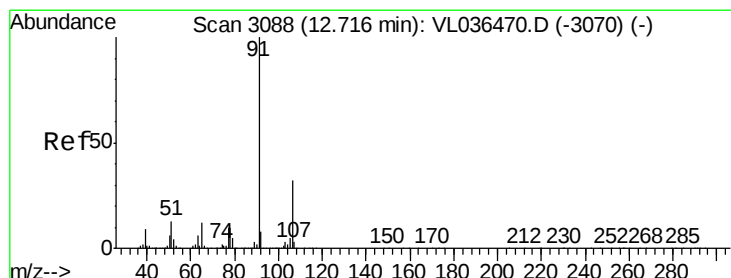
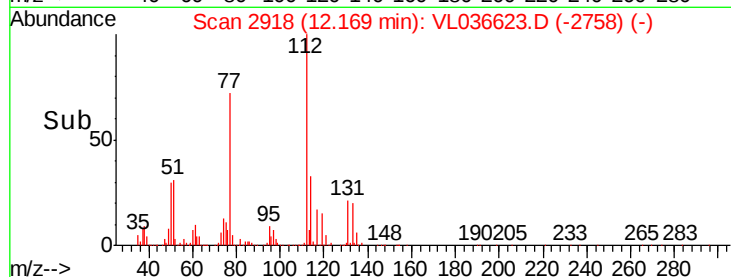
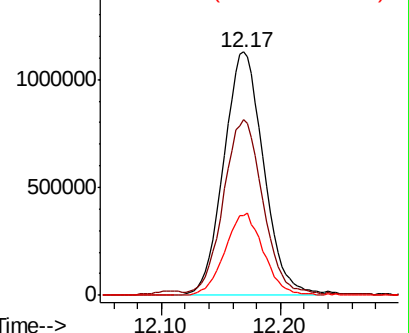
114 32.5 29.0 35.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.758 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.02 min

Lab File: VL036623.D

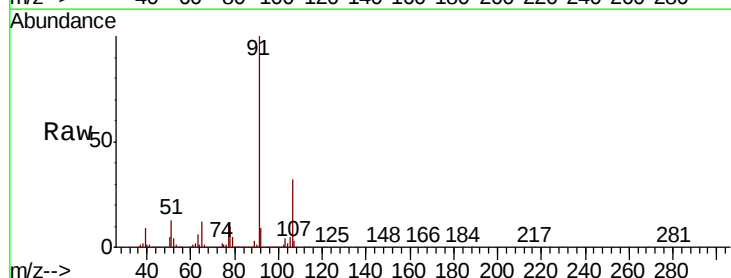
Acq: 1 Apr 2021 5:25

Tgt Ion: 91 Resp: 4852030

Ion Ratio Lower Upper

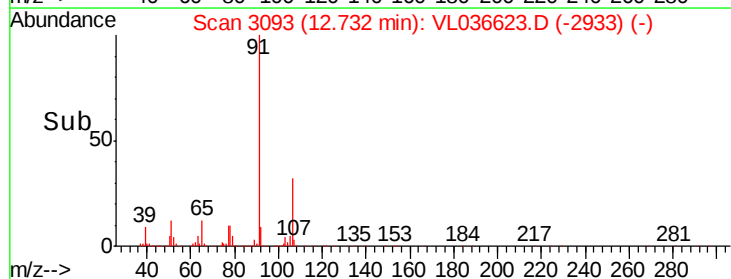
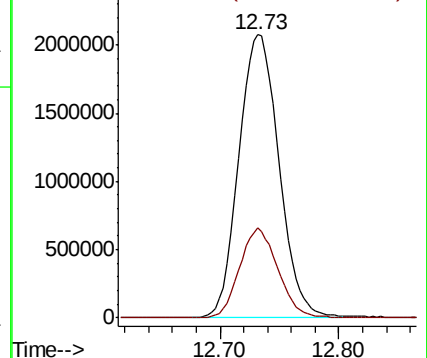
91 100

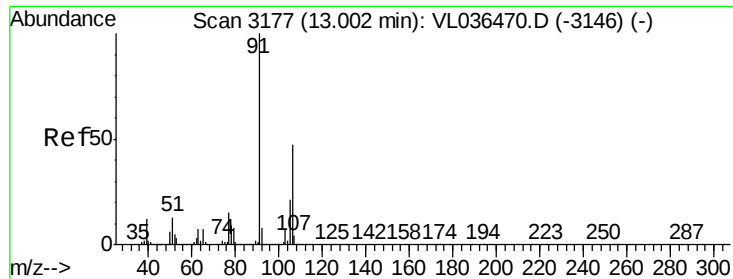
106 31.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.235 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

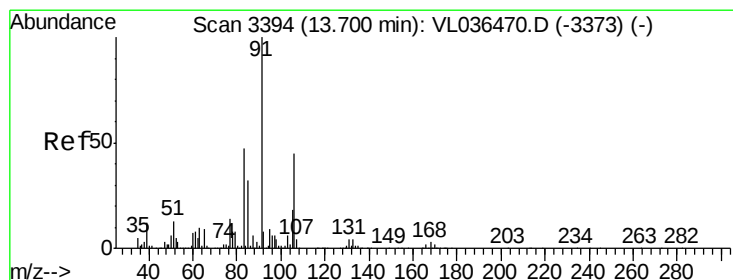
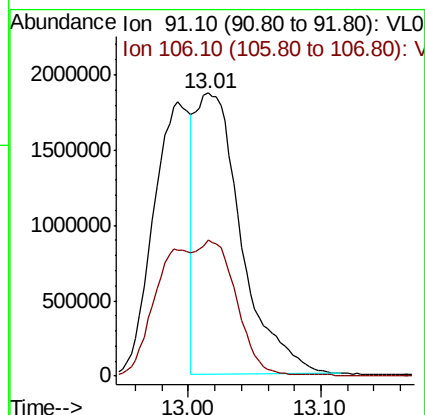
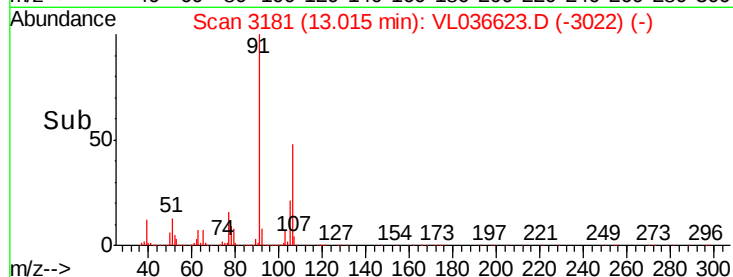
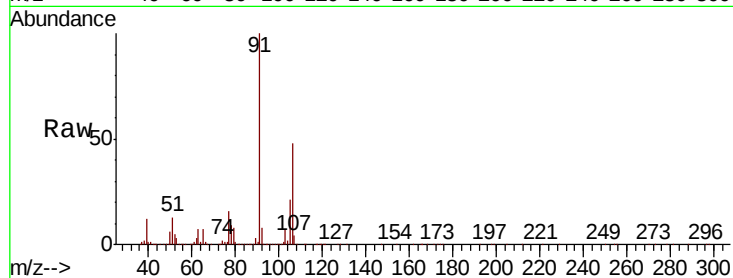
ClientSampled :

Tot Ion: 91 Resp: 4491900

Ion Ratio Lower Upper

91 100

106 79.7 35.3 52.9#



#60

o-Xylene

Concen: 7.272 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. 0.02 min

Lab File: VL036623.D

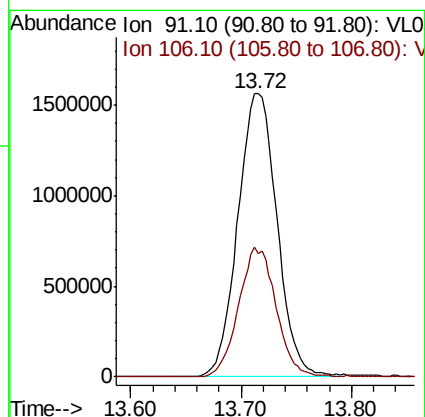
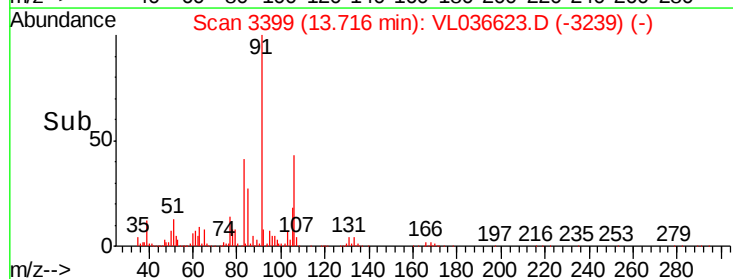
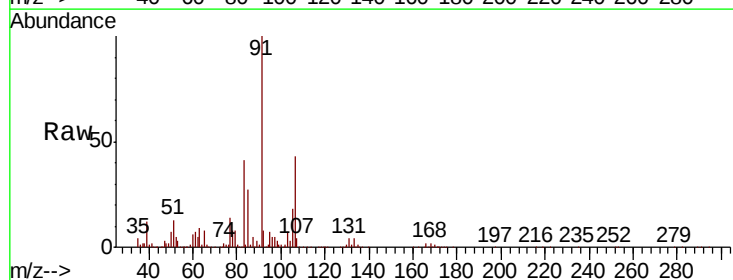
Acq: 1 Apr 2021 5:25

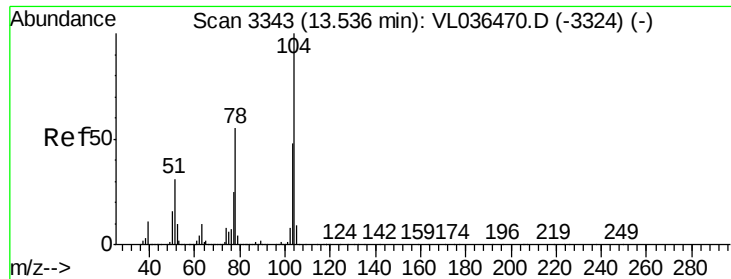
Tgt Ion: 91 Resp: 3835215

Ion Ratio Lower Upper

91 100

106 44.1 22.3 66.9





#61

Stvrene

Concen: 8.461 ppbv

RT: 13.55 min Scan# 3347

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

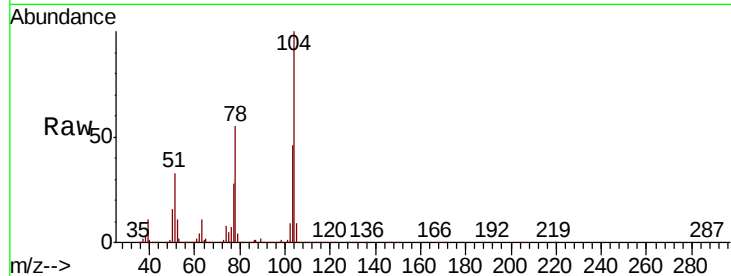
Tot Ion:104 Resp: 2245234

Ion Ratio Lower Upper

104 100

78 53.9 43.8 65.8

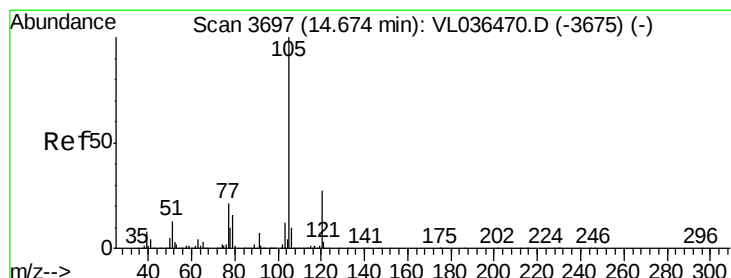
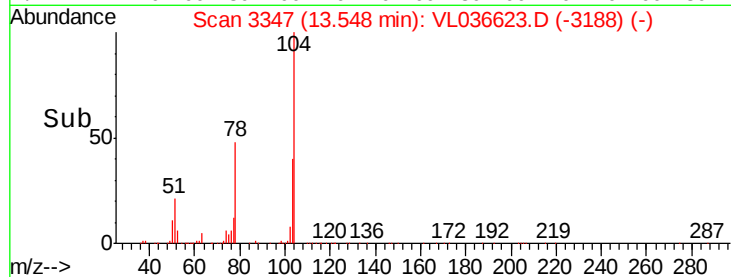
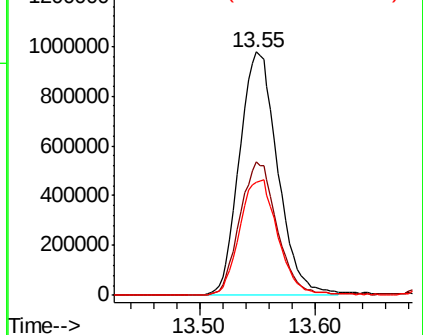
103 47.9 38.3 57.5



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: 7.240 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036623.D

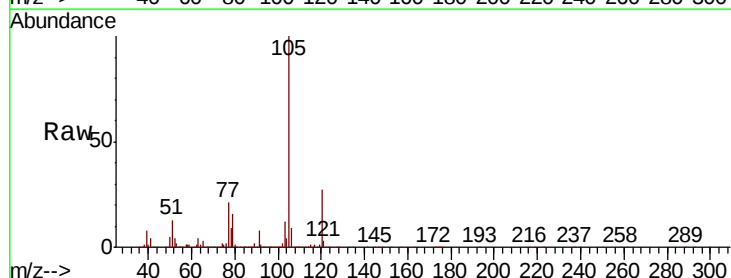
Acq: 1 Apr 2021 5:25

Tgt Ion:105 Resp: 5142336

Ion Ratio Lower Upper

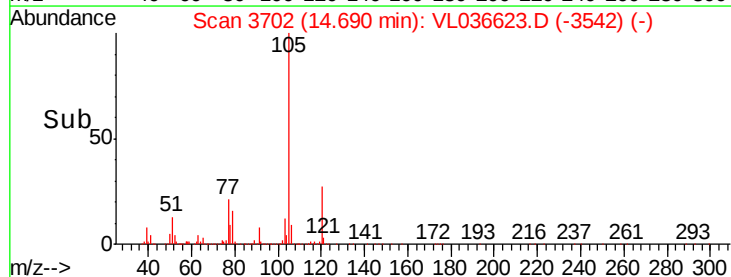
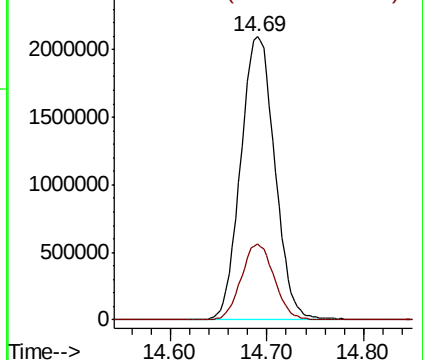
105 100

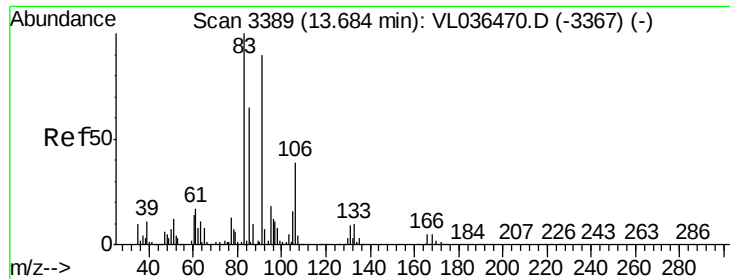
120 25.9 20.6 31.0



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: 6.588 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampled :

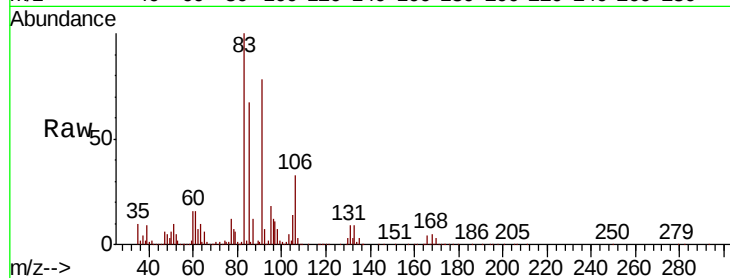
Tot Ion: 83 Resp: 2650646

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

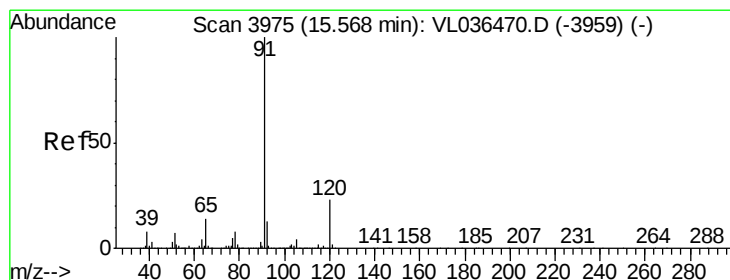
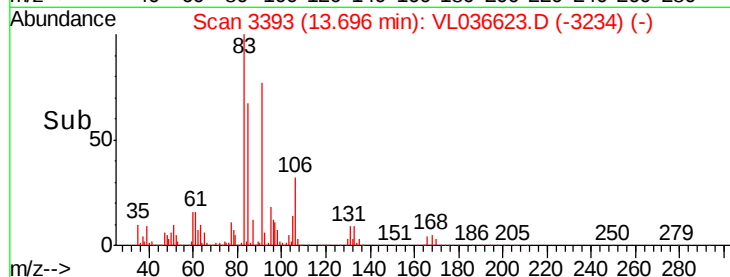
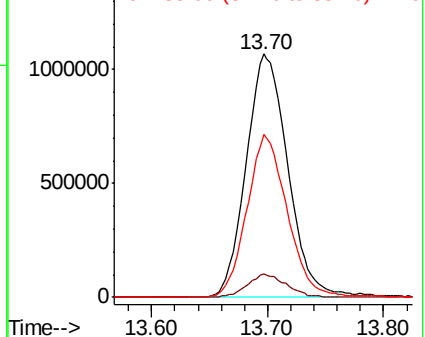
85 66.1 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.677 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. 0.02 min

Lab File: VL036623.D

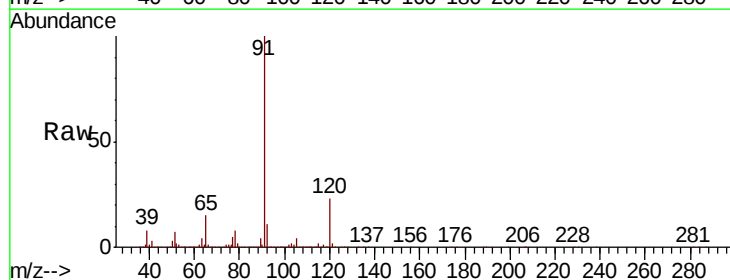
Acq: 1 Apr 2021 5:25

Tgt Ion: 120 Resp: 1333193

Ion Ratio Lower Upper

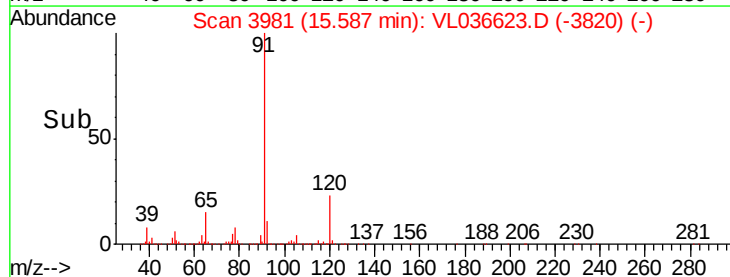
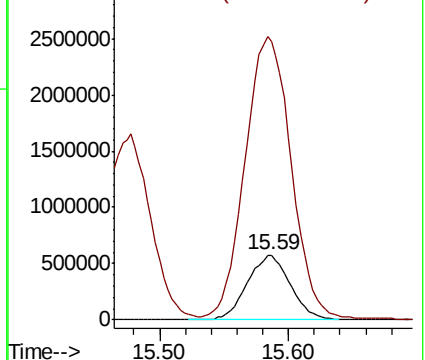
120 100

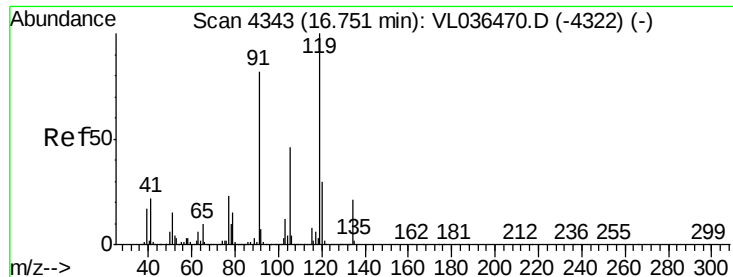
91 474.0 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

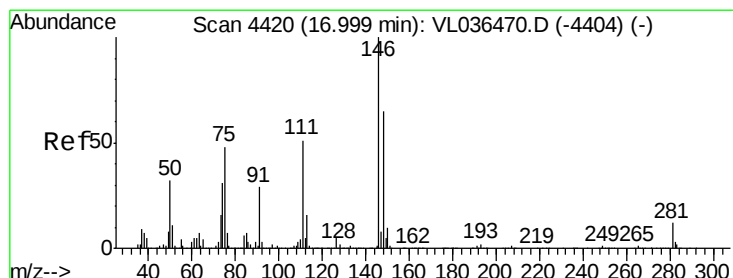
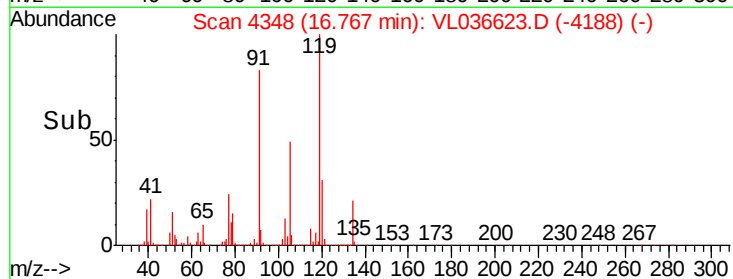
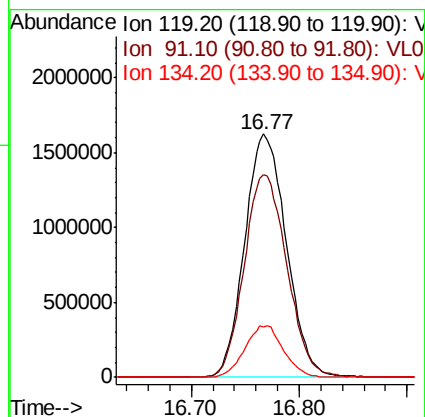
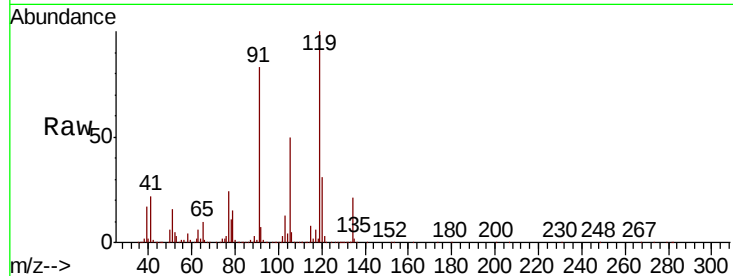




#65
tert-Butylbenzene
Concen: 7.075 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

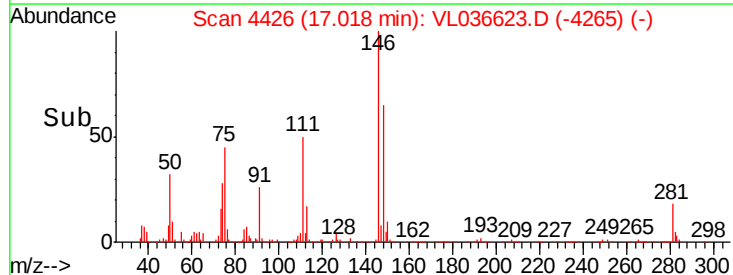
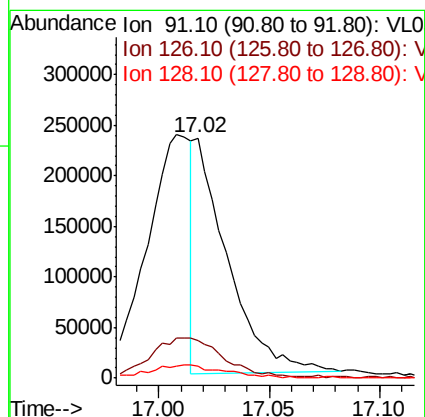
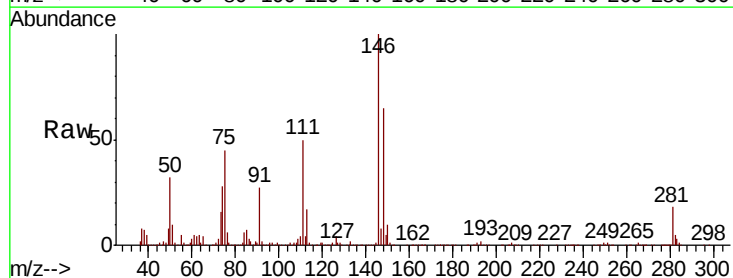
Instrument :
MSVOA_L
ClientSampleId :

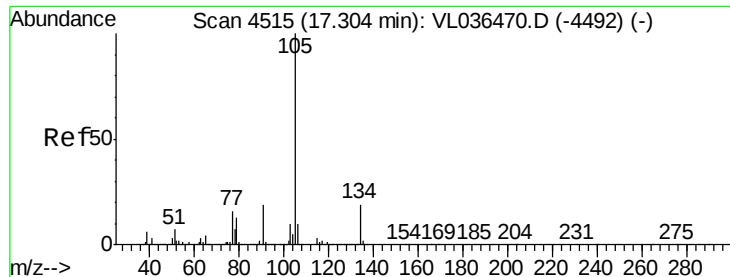
Tot Ion:119 Resp: 4357171
Ion Ratio Lower Upper
119 100
91 85.6 67.5 101.3
134 19.7 15.8 23.8



#66
Benzyl Chloride
Concen: 3.501 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion: 91 Resp: 238311
Ion Ratio Lower Upper
91 100
126 41.8 13.5 20.3#
128 13.9 4.2 6.4#





#67

sec-Butylbenzene

Concen: 7.059 ppbv

RT: 17.32 min Scan# 4520

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

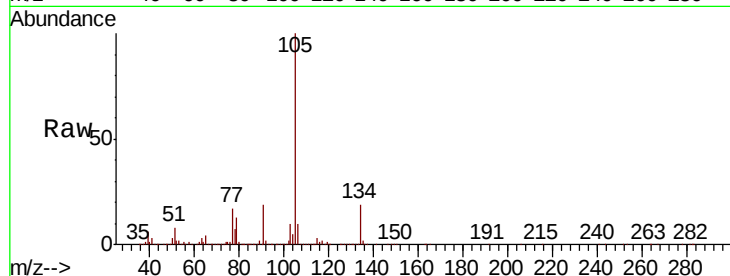
ClientSampleId :

Tot Ion:105 Resp: 6136612

Ion Ratio Lower Upper

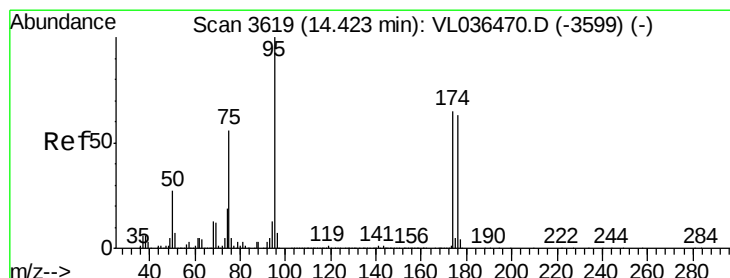
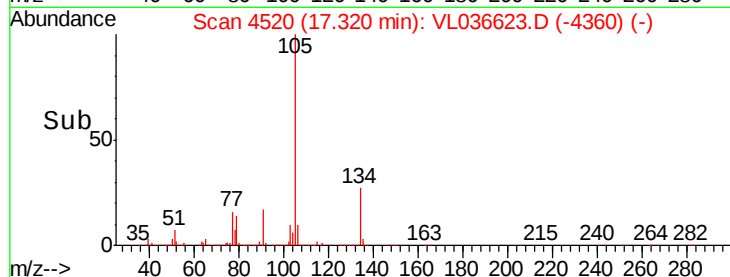
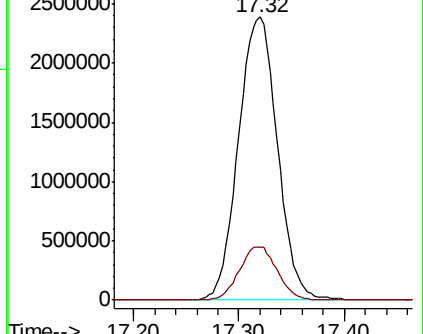
105 100

134 18.5 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.317 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

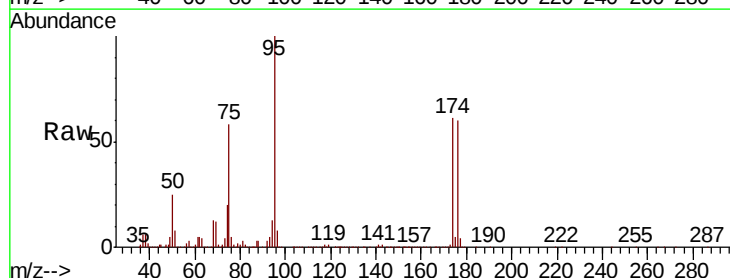
Tgt Ion: 95 Resp: 2849610

Ion Ratio Lower Upper

95 100

174 62.0 51.0 76.6

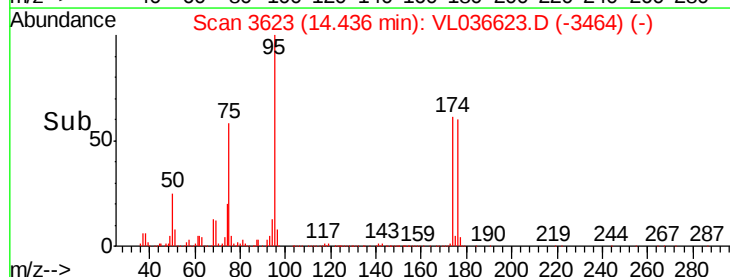
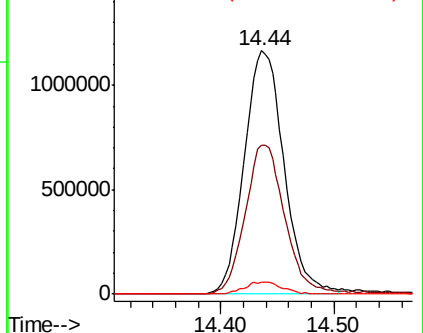
175 4.9 3.9 5.9

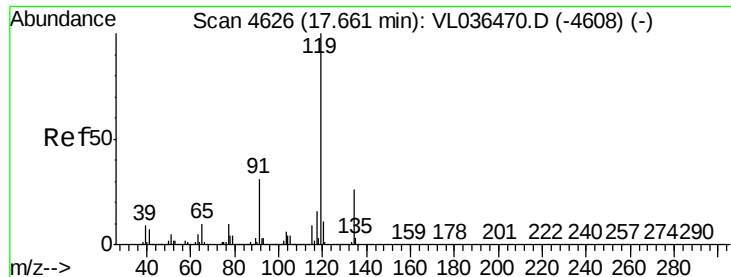


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

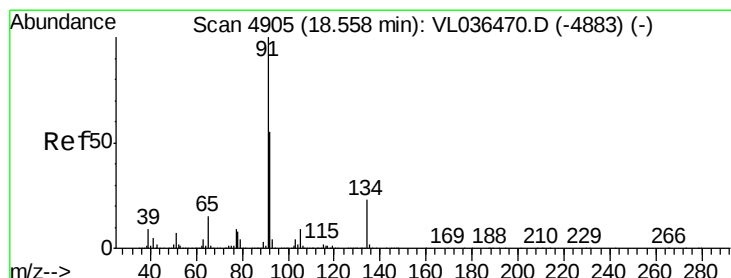
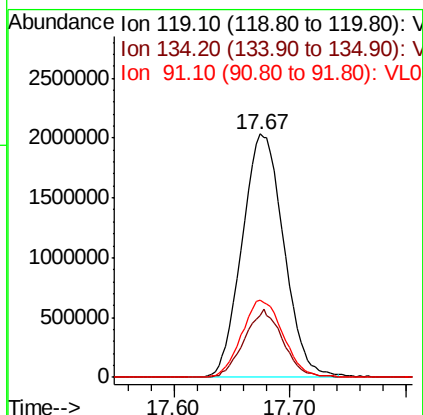
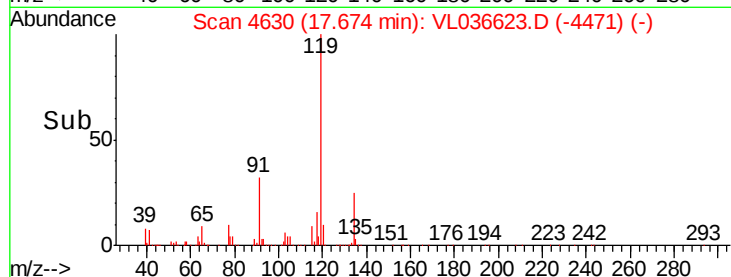
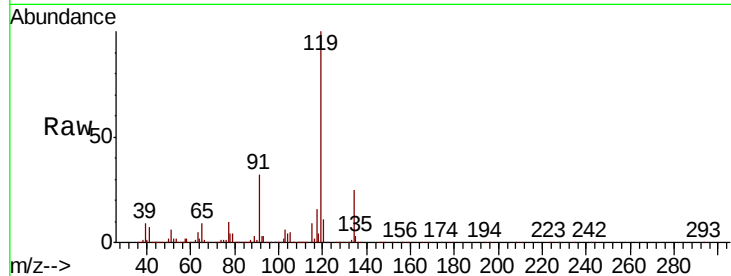




#69
 p-Isopropyltoluene
 Concen: 7.490 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

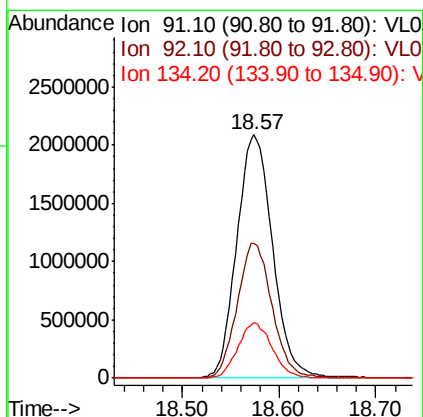
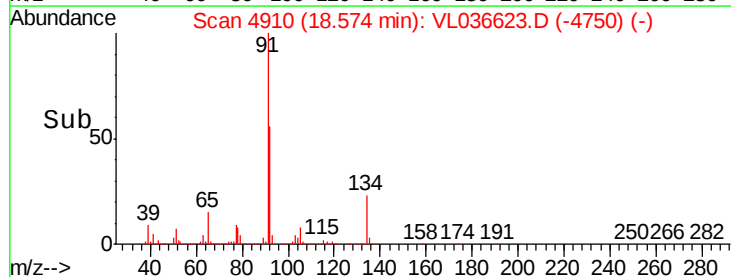
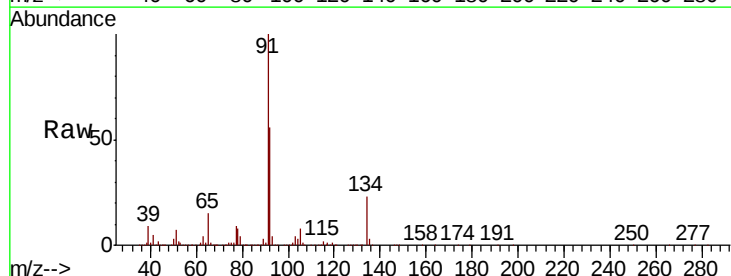
Instrument :
 MSVOA_L
 ClientSampleId :

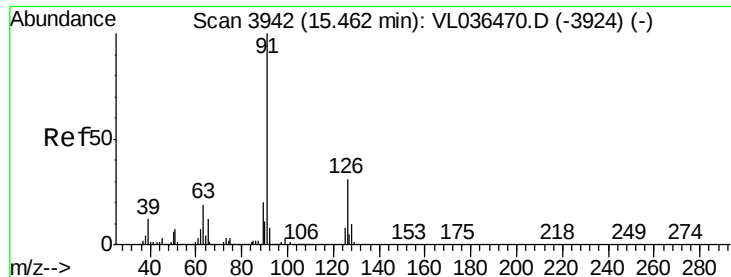
Tot Ion:119 Resp: 5084625
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 31.4 25.0 37.6



#70
 n-Butylbenzene
 Concen: 7.624 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion: 91 Resp: 5366531
 Ion Ratio Lower Upper
 91 100
 92 54.4 43.8 65.8
 134 22.2 18.0 27.0

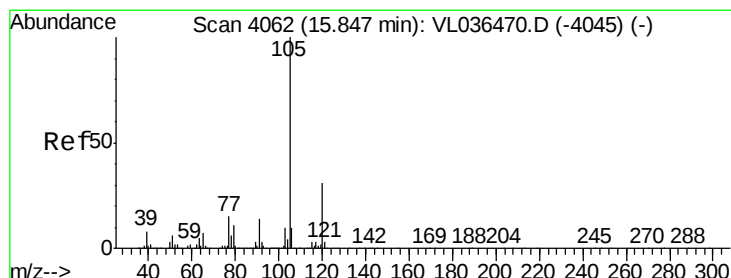
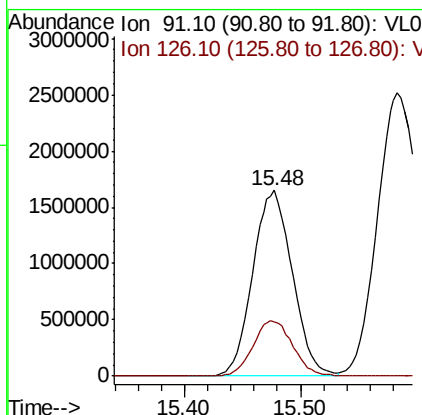
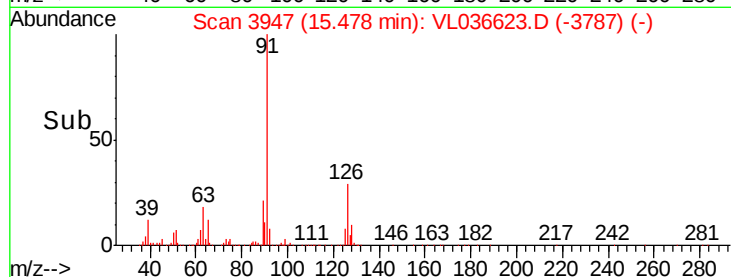
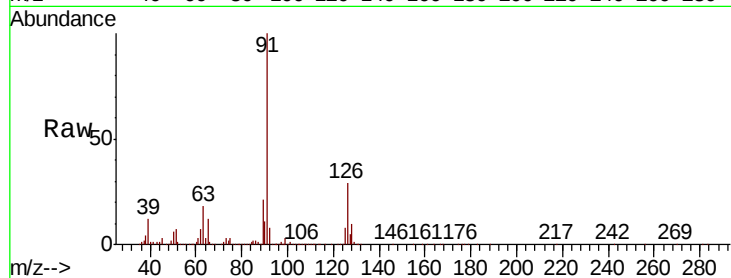




#71
 2-Chlorotoluene
 Concen: 7.365 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

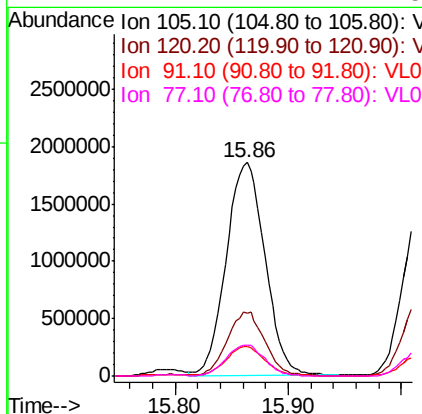
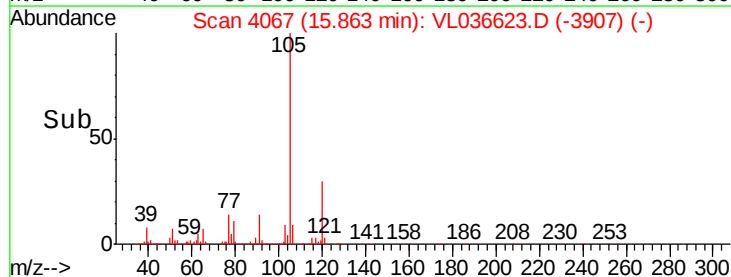
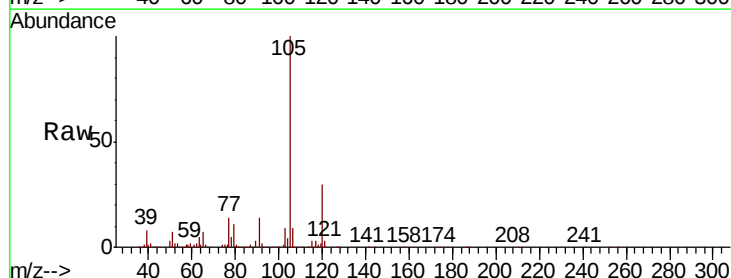
Instrument :
 MSVOA_L
 ClientSampled :

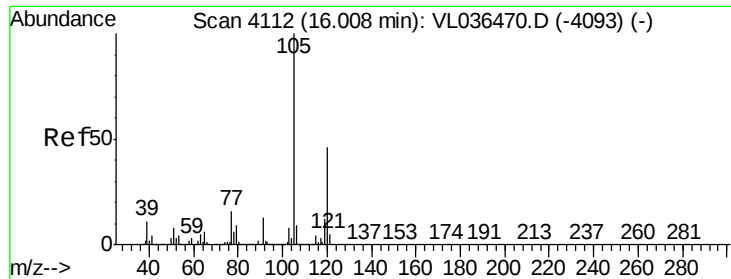
Tot Ion: 91 Resp: 3919953
 Ion Ratio Lower Upper
 91 100
 126 30.2 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 7.661 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion:105 Resp: 4427736
 Ion Ratio Lower Upper
 105 100
 120 29.4 24.0 36.0
 91 13.9 11.0 16.4
 77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.313 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

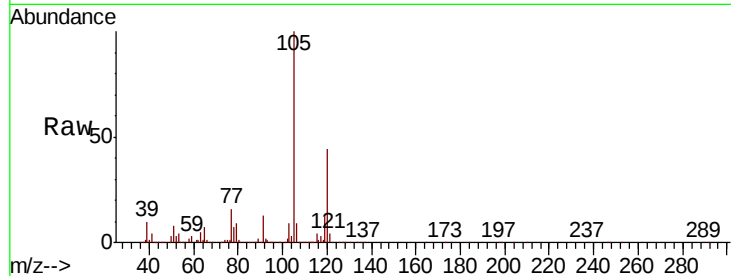
ClientSampleId :

Tot Ion:105 Resp: 3944724

Ion Ratio Lower Upper

105 100

120 44.3 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.02

1500000

1000000

500000

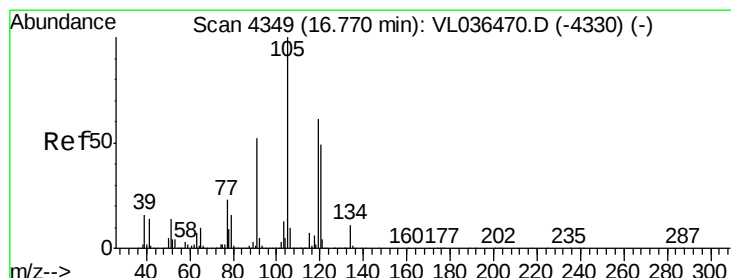
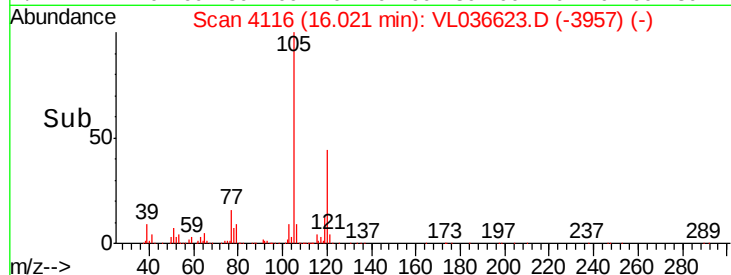
0

Time-->

15.90

16.00

16.10



#74

1,2,4-Trimethylbenzene

Concen: 7.013 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Tgt Ion:105 Resp: 4048244

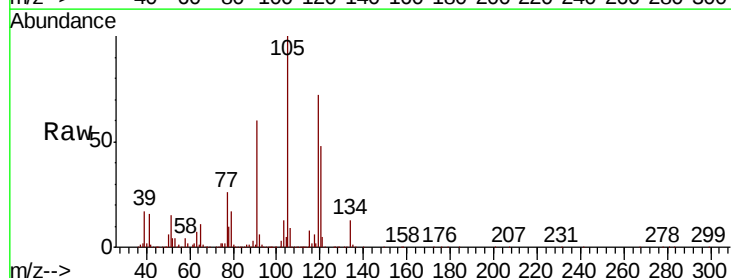
Ion Ratio Lower Upper

105 100

120 48.3 39.2 58.8

91 59.6 42.6 64.0

77 26.2 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

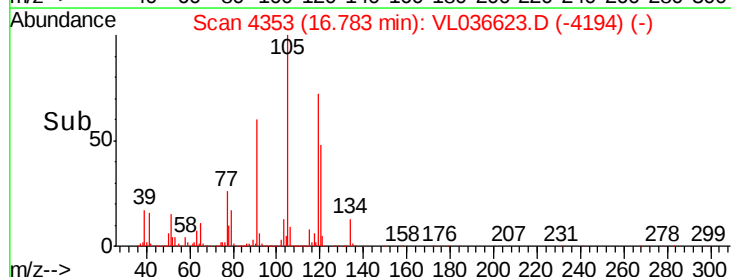
500000

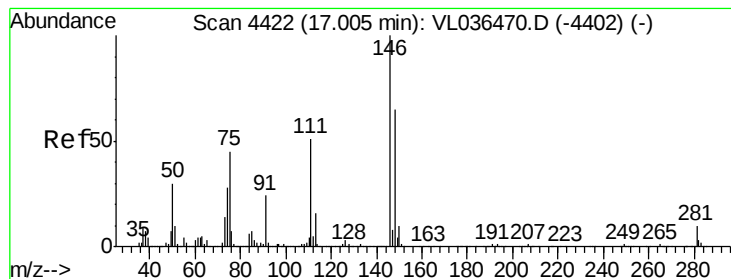
0

Time-->

16.70

16.80





#75

1,3-Dichlorobenzene

Concen: 6.894 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. 0.02 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

Instrument :

MSVOA_L

ClientSampleId :

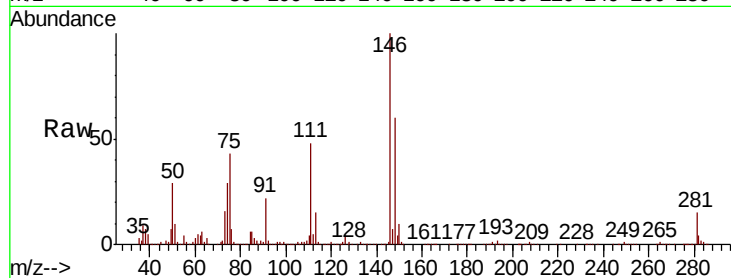
Tot Ion:146 Resp: 2239807

Ion Ratio Lower Upper

146 100

111 49.0 24.5 73.5

148 64.1 32.3 96.9

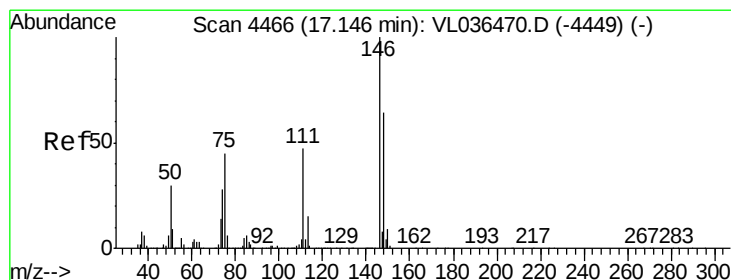
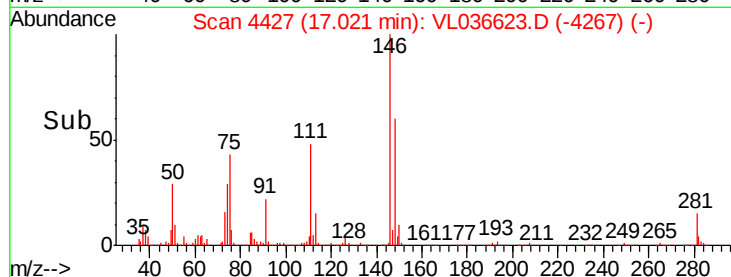
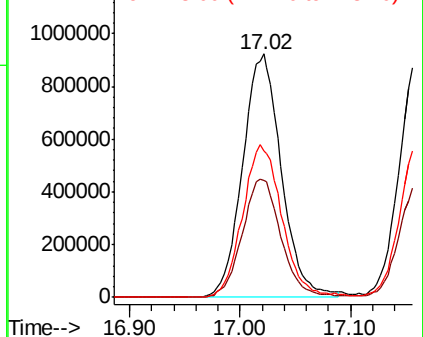


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.693 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. 0.01 min

Lab File: VL036623.D

Acq: 1 Apr 2021 5:25

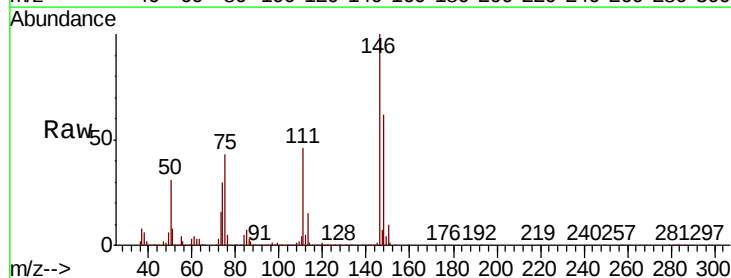
Tgt Ion:146 Resp: 2159159

Ion Ratio Lower Upper

146 100

111 49.0 24.3 72.8

148 66.7 33.0 98.9

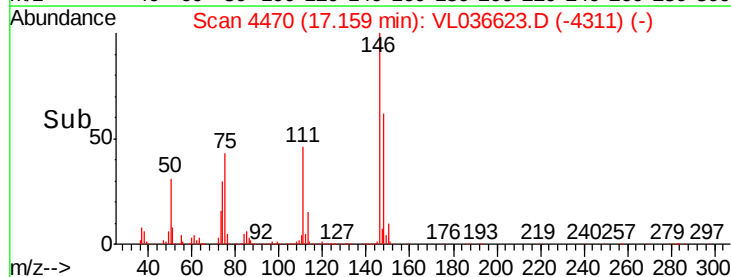
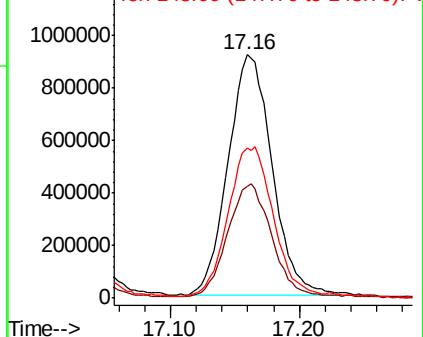


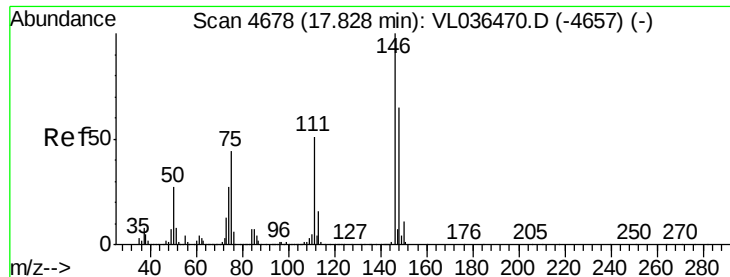
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

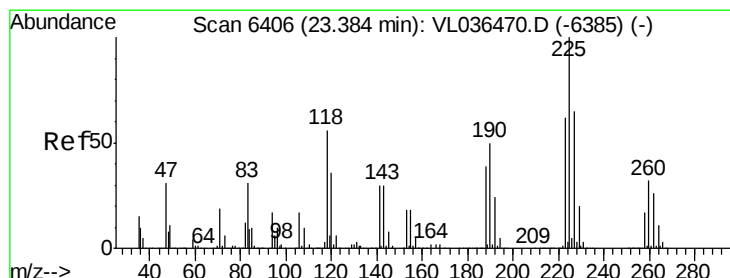
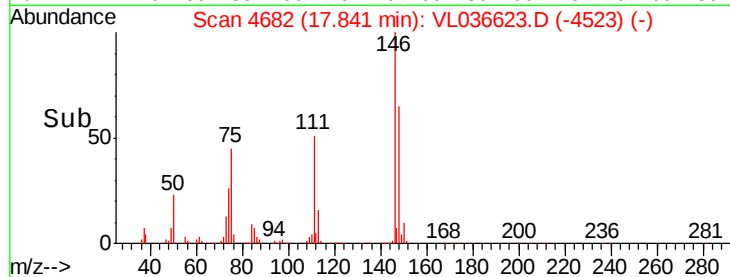
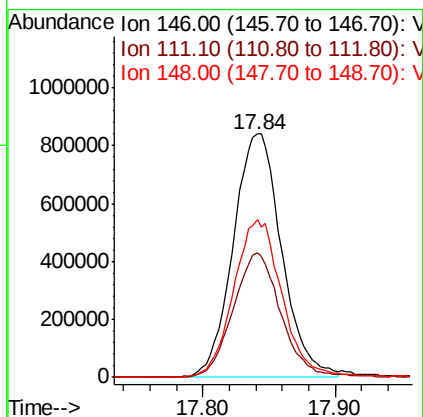
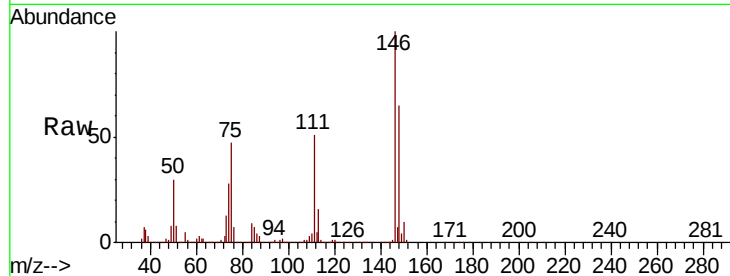




#77
 1,2-Dichlorobenzene
 Concen: 6.910 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. 0.01 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

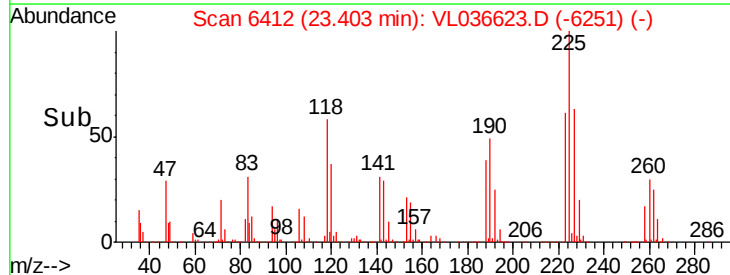
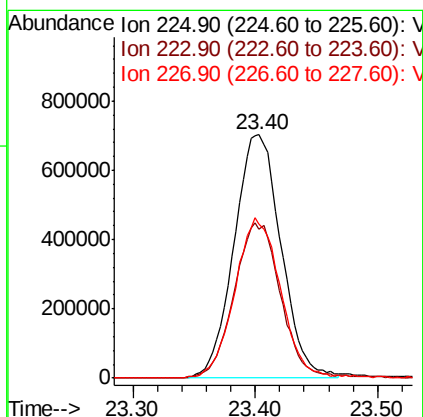
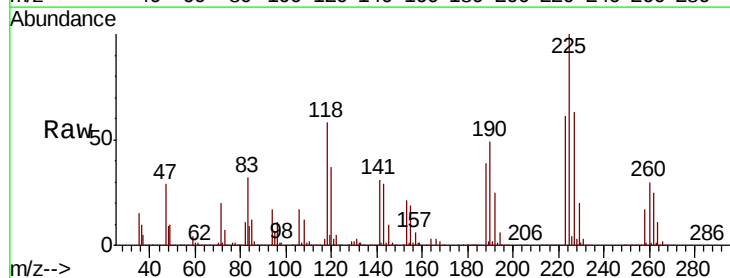
Instrument :
 MSVOA_L
 ClientSampleId :

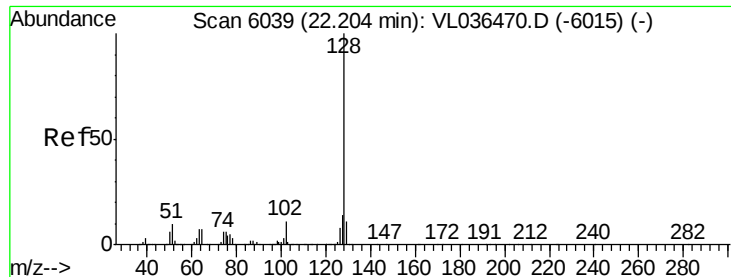
Tot Ion:146 Resp: 2110364
 Ion Ratio Lower Upper
 146 100
 111 51.0 25.5 76.5
 148 65.3 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.797 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Tgt Ion:225 Resp: 1859291
 Ion Ratio Lower Upper
 225 100
 223 64.2 50.6 75.8
 227 65.1 52.2 78.2

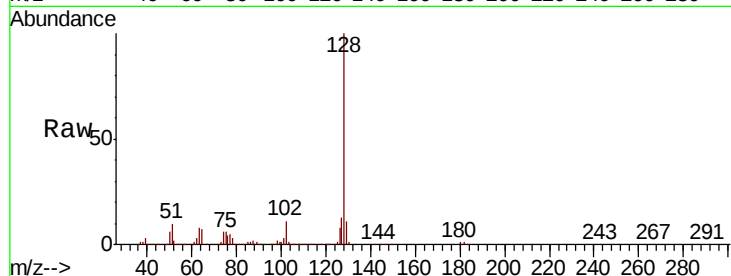




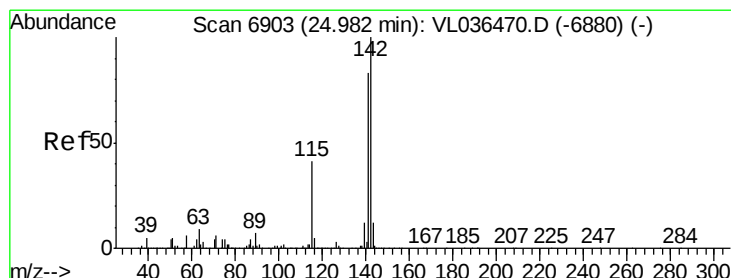
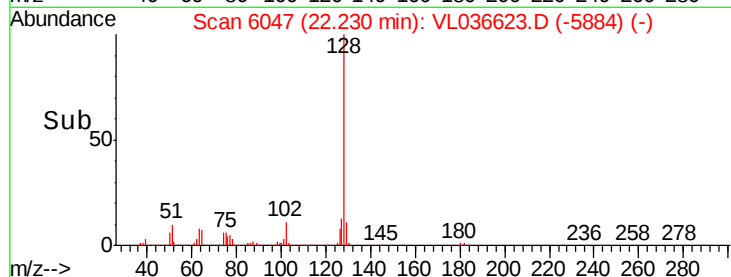
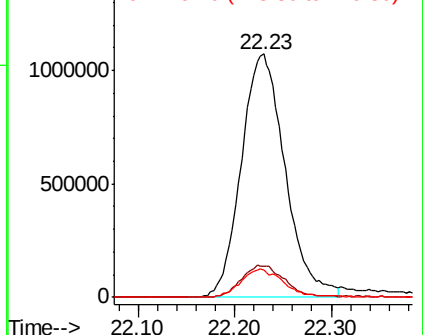
#79
Naphthalene
Concen: 10.030 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. 0.03 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:128 Resp: 3378606
Ion Ratio Lower Upper
128 100
127 12.8 10.9 16.3
129 11.2 9.0 13.4

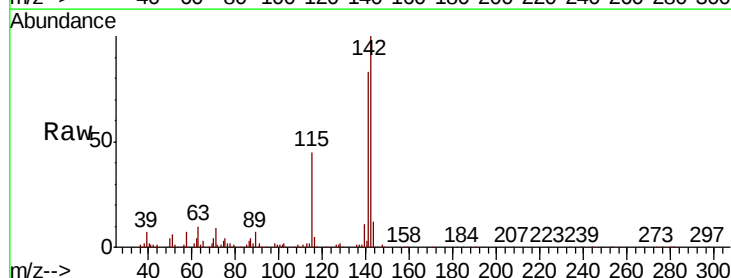


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

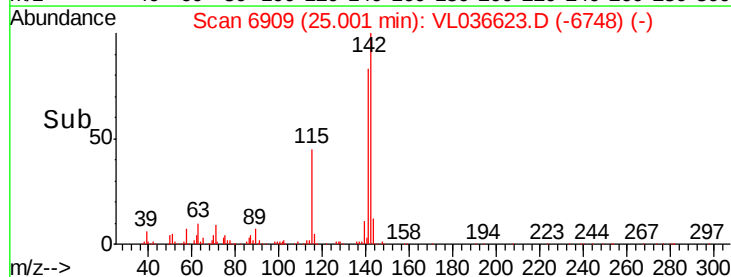
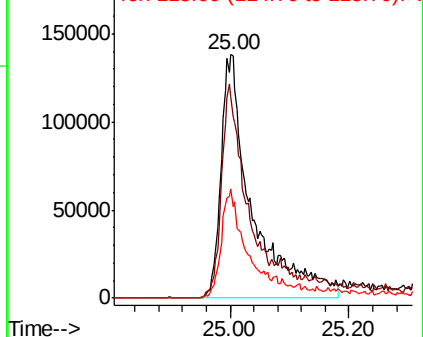


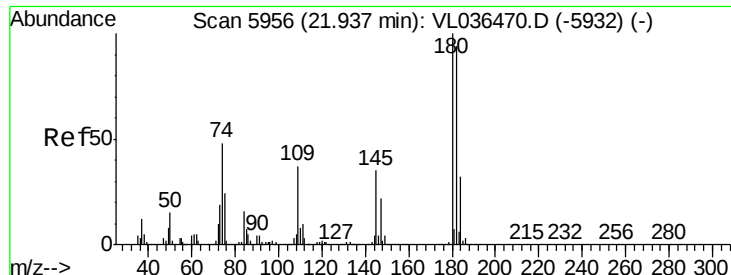
#80
Naphthalene, 2-methyl-
Concen: 7.591 ppbv
RT: 25.00 min Scan# 6909
Delta R.T. 0.02 min
Lab File: VL036623.D
Acq: 1 Apr 2021 5:25

Tgt Ion:142 Resp: 504248
Ion Ratio Lower Upper
142 100
141 79.1 67.8 101.8
115 41.1 34.0 51.0



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

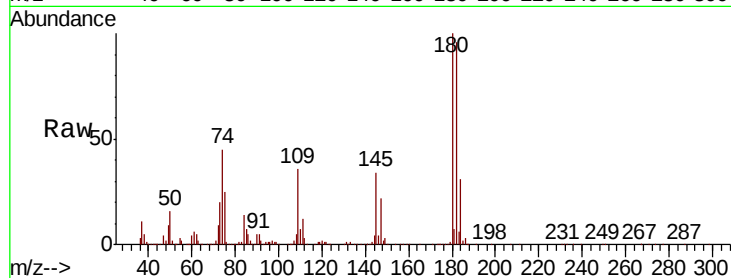




#81
 1,2,4-Trichlorobenzene
 Concen: 8.892 ppbv
 RT: 21.96 min Scan# 5962
 Delta R.T. 0.02 min
 Lab File: VL036623.D
 Acq: 1 Apr 2021 5:25

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1849163
 Ion Ratio Lower Upper
 180 100
 182 98.1 80.8 121.2
 184 32.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V
 800000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

