

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036611.D
 Acq On : 31 Mar 2021 21:14
 Operator : SY/AP
 Sample : M1807-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:29:36 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	5.67	49	1404175	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3424742	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3280258	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2819189	10.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	32361	0.141	ppbv 96
3) Chlorodifluoromethane	2.99	51	185425	0.707	ppbv # 90
4) Chloromethane	3.14	50	55477	0.599	ppbv # 87
9) Propene	3.21	41	435412	5.206	ppbv 94
10) Heptane	8.13	43	269879	1.267	ppbv 97
11) Trichlorofluoromethane	3.96	101	39635	0.170	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4923	0.033	ppbv # 32
13) Ethanol	3.62	45	4228201	424.530	ppbv 93
15) Acetone	3.85	43	3581531	25.915	ppbv 93
16) 1,3-Butadiene	3.31	39	86072	0.895	ppbv # 13
17) tert-Butyl alcohol	4.31	59	1221792	10.155	ppbv 95
18) 1,1-Dichloroethene	4.29	96	1874	0.028	ppbv # 14
19) Isopropyl Alcohol	3.98	45	7670509	100.894	ppbv # 94
20) Methylene Chloride	4.35	84	102253	1.580	ppbv # 89
21) Allyl Chloride	4.38	41	87726	0.796	ppbv # 56
23) Vinyl Acetate	5.07	43	176892	0.748	ppbv # 2
25) Ethyl Acetate	5.70	43	368230	1.121	ppbv # 91
26) Hexane	5.69	57	433847	2.845	ppbv # 48
27) Carbon Disulfide	4.56	76	34330	0.229	ppbv # 52
28) Methyl tert-Butyl Ether	5.04	73	11914	0.066	ppbv # 52
29) Chloroform	5.76	83	1310348	5.374	ppbv 96
30) Cyclohexane	7.14	84	78636	0.636	ppbv 89
34) 2-Butanone	5.25	43	420634	2.516	ppbv 93
35) Carbon Tetrachloride	7.03	117	6131	0.023	ppbv # 39
36) Benzene	6.90	78	373488	1.182	ppbv # 91
37) 1,2-Dichloroethane	6.32	62	4410	0.024	ppbv # 33
39) 1,2-Dichloropropane	7.19	63	941771	7.350	ppbv # 22
40) 1,4-Dioxane	7.84	88	1249	0.042	ppbv # 1
41) Tetrahydrofuran	6.06	42	49023	0.636	ppbv # 78
43) Methyl Methacrylate	8.03	69	2908	0.027	ppbv # 1
44) 2,2,4-Trimethylpentane	7.88	57	724399	1.303	ppbv # 71
50) 4-Methyl-2-Pentanone	8.76	43	148077	0.612	ppbv 100
51) 2-Hexanone	10.15	43	37555	0.308	ppbv # 65
52) Tetrachloroethene	11.24	164	3922	0.034	ppbv # 12
53) Toluene	9.82	91	1437675	4.274	ppbv 99
58) Ethyl Benzene	12.73	91	380257	0.797	ppbv # 89
59) m/p-Xylene	12.99	91	829201	1.992	ppbv 97
60) o-Xylene	13.71	91	292327	0.726	ppbv 96
61) Styrene	13.55	104	833712	4.117	ppbv 100
62) Isopropylbenzene	14.69	105	11298657	20.846	ppbv 94
63) 1,1,2,2-Tetrachloroethane	13.71	83	101155	0.329	ppbv # 24

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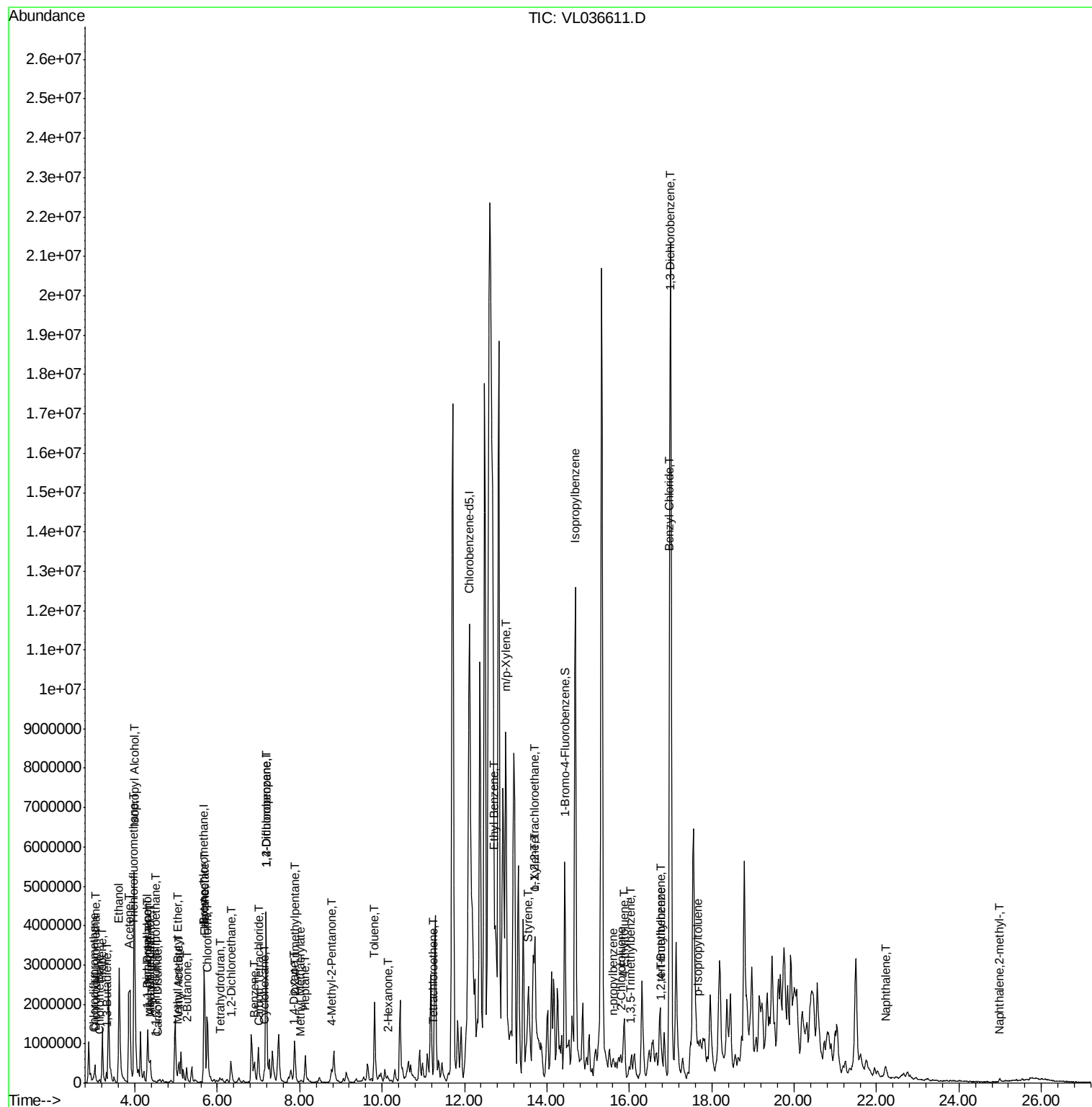
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) n-propylbenzene	15.58	120	18811	0.142	ppbv #	39
65) tert-Butylbenzene	16.77	119	10801	0.023	ppbv #	22
66) Benzyl Chloride	16.97	91	1106	0.021	ppbv #	1
69) p-Isopropyltoluene	17.67	119	56932	0.110	ppbv #	87
71) 2-Chlorotoluene	15.79	91	13500	0.033	ppbv	84
72) 4-Ethyltoluene	15.86	105	107359	0.243	ppbv #	93
73) 1,3,5-Trimethylbenzene	16.01	105	64615	0.157	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.78	105	111488	0.253	ppbv #	62
75) 1,3-Dichlorobenzene	17.01	146	6022	0.024	ppbv #	22
79) Naphthalene	22.23	128	9527	0.037	ppbv #	79
80) Naphthalene,2-methyl-	24.98	142	2370	0.047	ppbv #	32

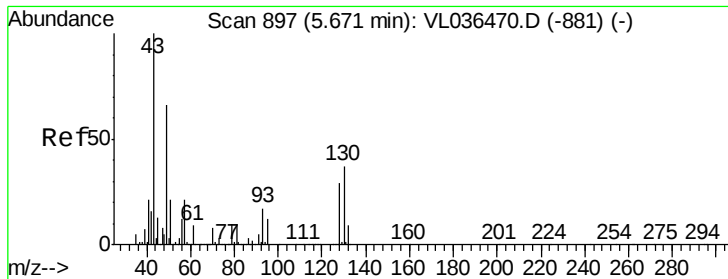
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :
MSVOA_L
ClientSampleId :

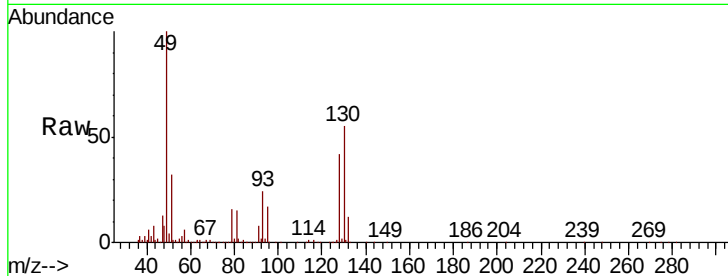
Tot Ion: 49 Resp: 1404175

Ion Ratio Lower Upper

49 100

128 43.9 23.5 70.6

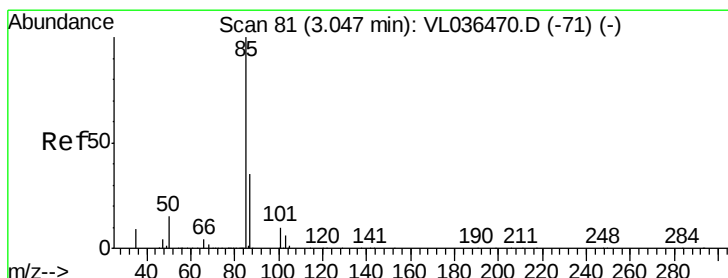
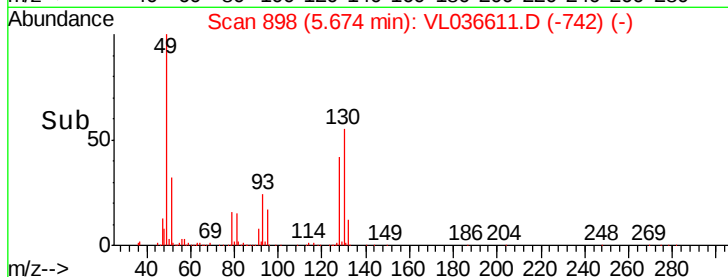
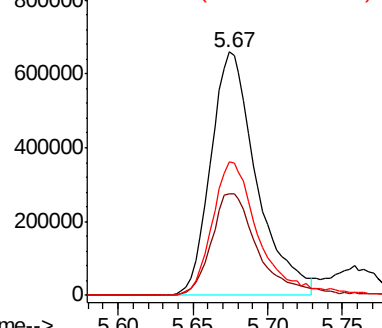
130 57.1 29.1 87.4



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: 0.141 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036611.D

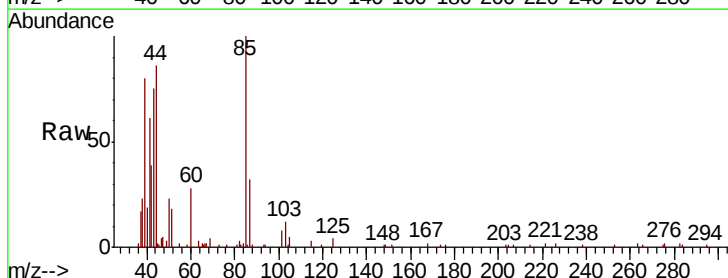
Acq: 31 Mar 2021 21:14

Tgt Ion: 85 Resp: 32361

Ion Ratio Lower Upper

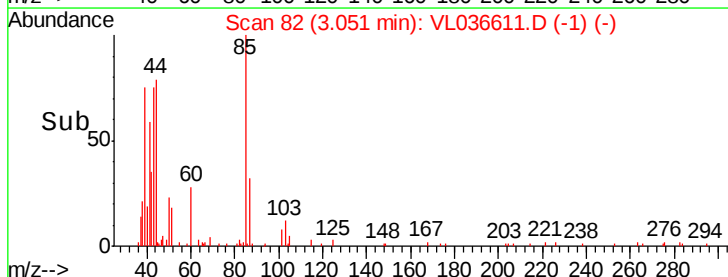
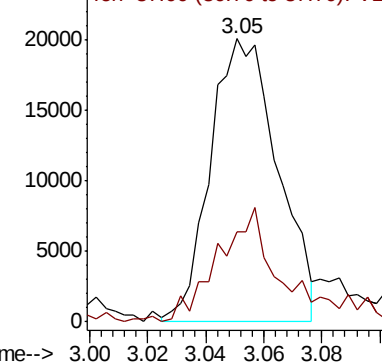
85 100

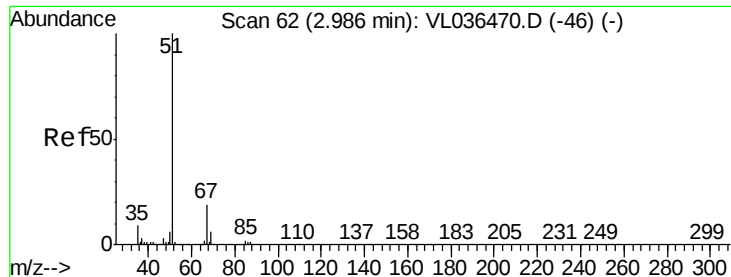
87 32.4 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

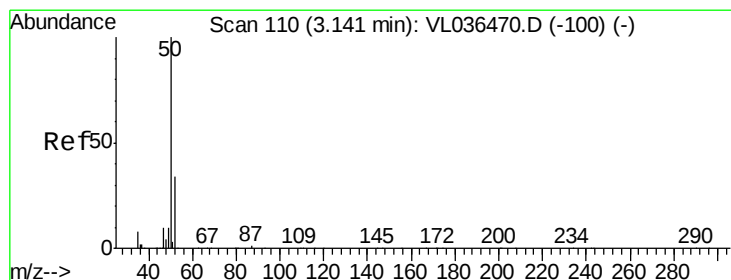
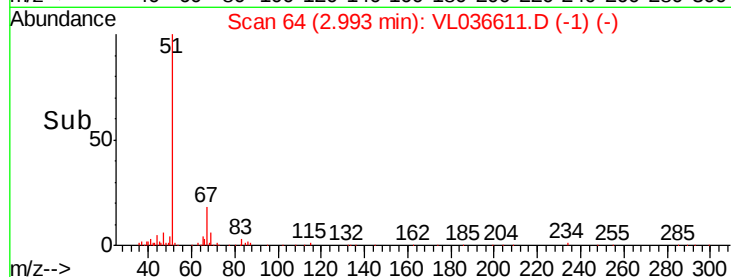
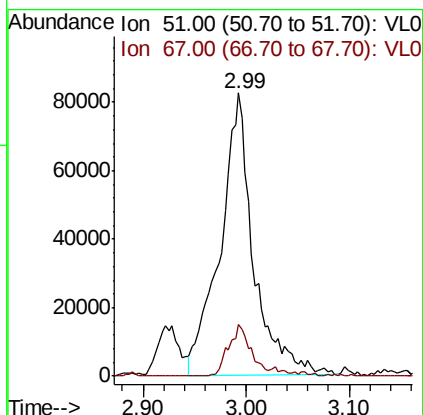
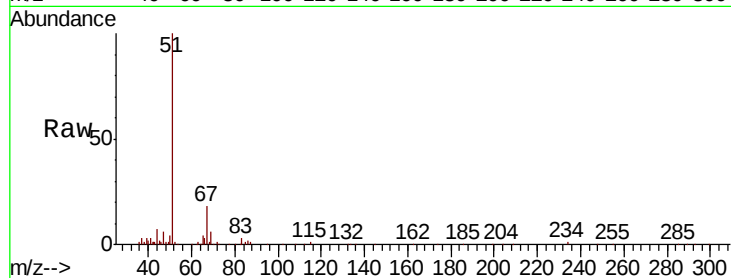




#3
Chlorodifluoromethane
Concen: 0.707 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

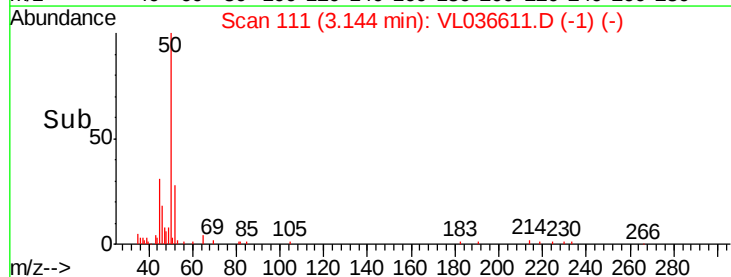
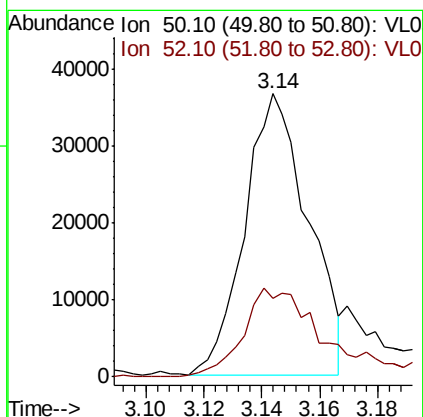
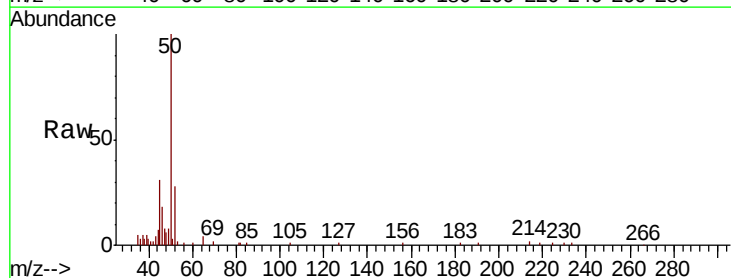
Instrument :
MSVOA_L
ClientSampleId :

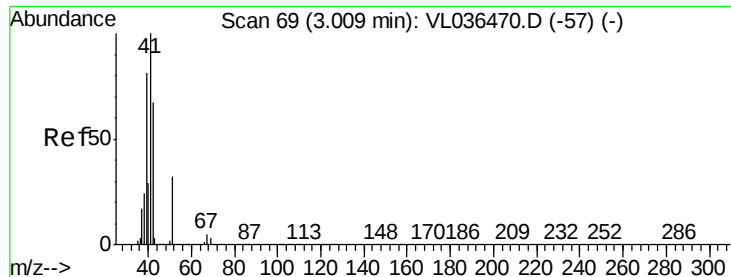
Tot Ion: 51 Resp: 185425
Ion Ratio Lower Upper
51 100
67 14.0 14.7 22.1#



#4
Chloromethane
Concen: 0.599 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 50 Resp: 55477
Ion Ratio Lower Upper
50 100
52 26.5 27.0 40.6#





#9

Propene

Concen: 5.206 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.20 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

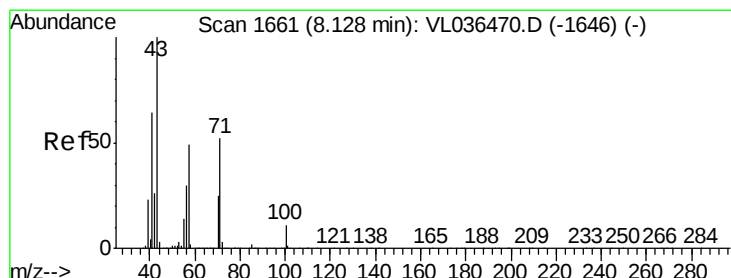
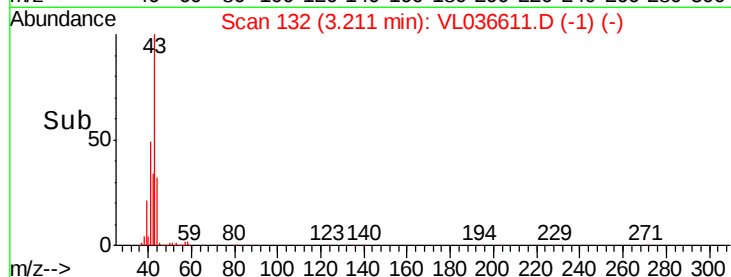
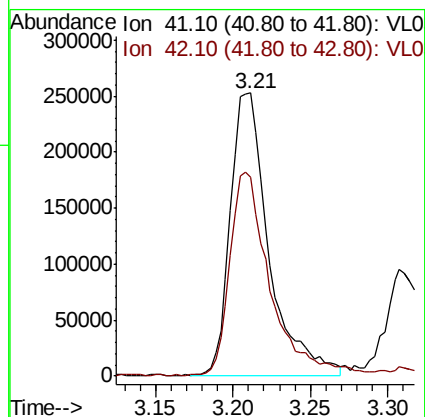
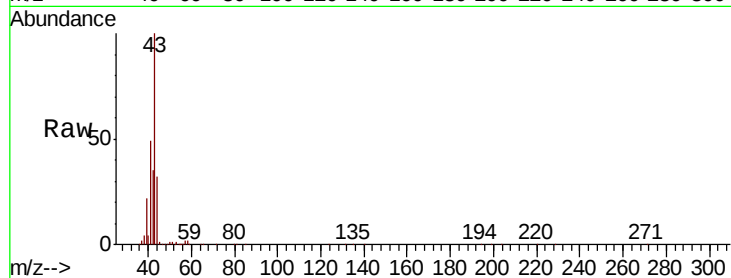
ClientSampled :

Tot Ion: 41 Resp: 435412

Ion Ratio Lower Upper

41 100

42 76.1 57.0 85.4



#10

Heptane

Concen: 1.267 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL036611.D

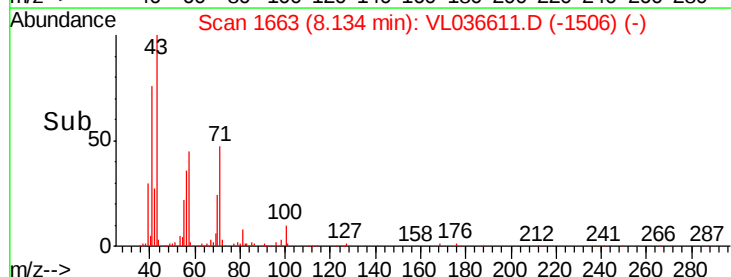
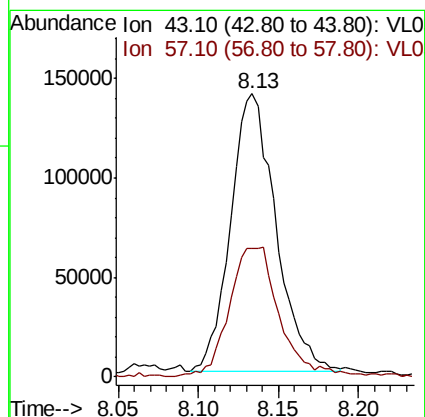
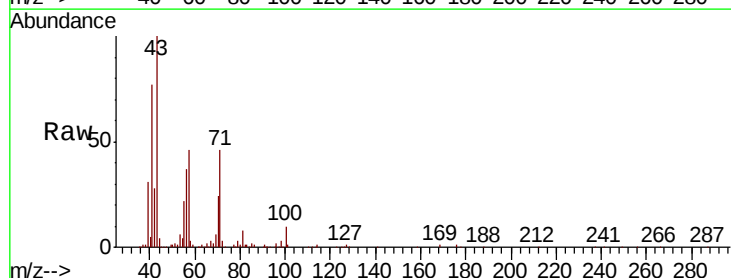
Acq: 31 Mar 2021 21:14

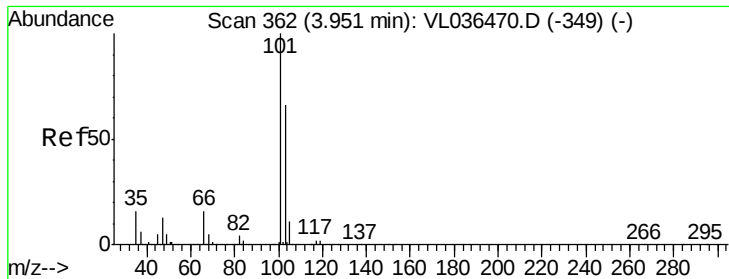
Tgt Ion: 43 Resp: 269879

Ion Ratio Lower Upper

43 100

57 50.8 39.0 58.6





#11

Trichlorofluoromethane

Concen: 0.170 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

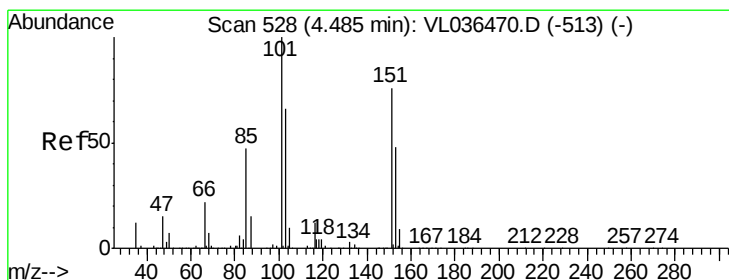
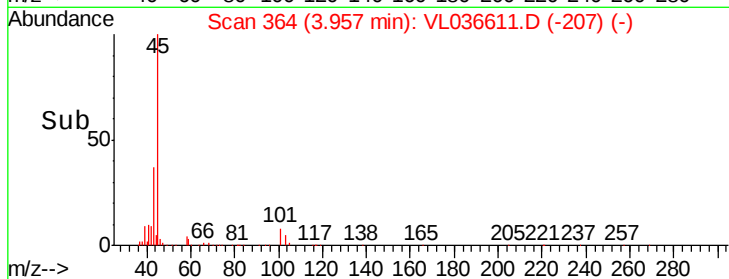
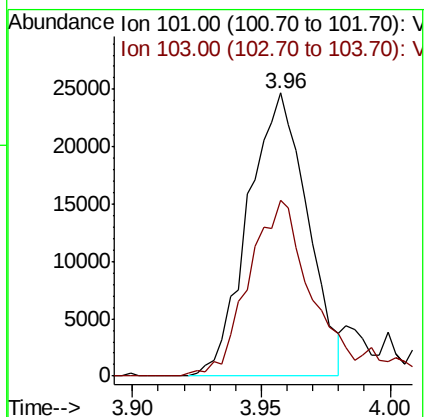
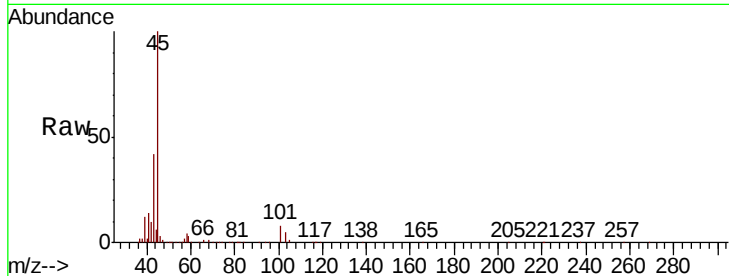
ClientSampleId :

Tot Ion:101 Resp: 39635

Ion Ratio Lower Upper

101 100

103 61.1 52.5 78.7



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.033 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL036611.D

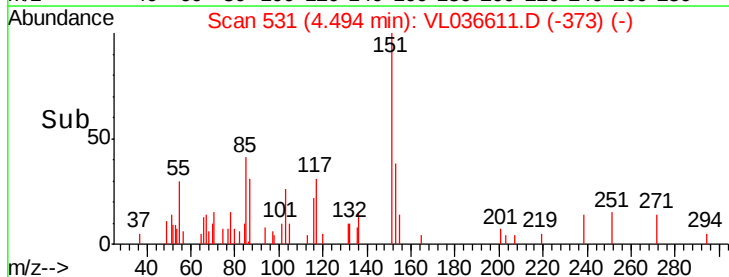
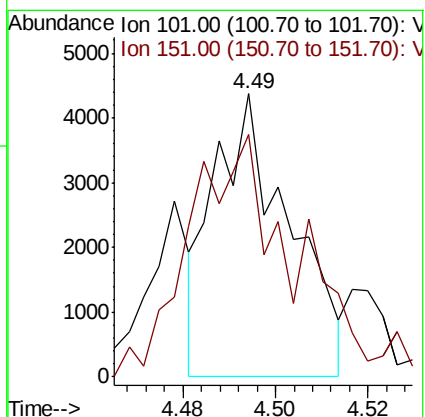
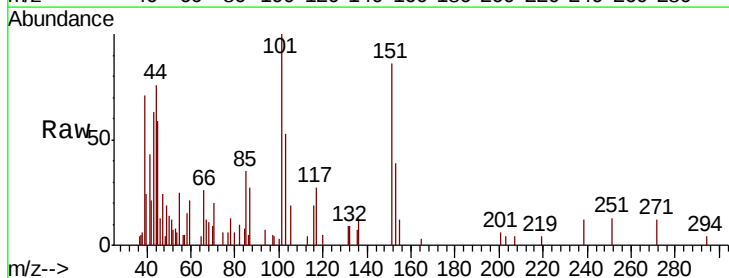
Acq: 31 Mar 2021 21:14

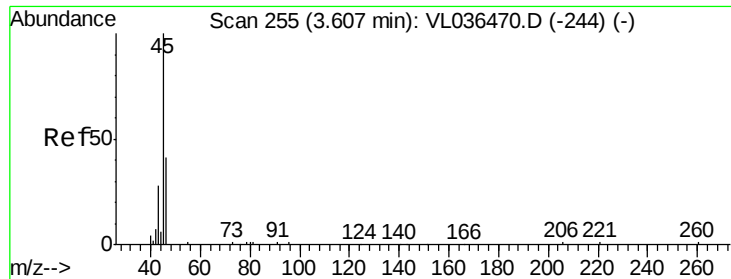
Tgt Ion:101 Resp: 4923

Ion Ratio Lower Upper

101 100

151 134.7 60.9 91.3#

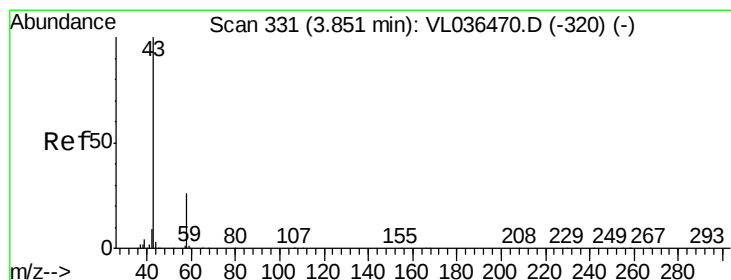
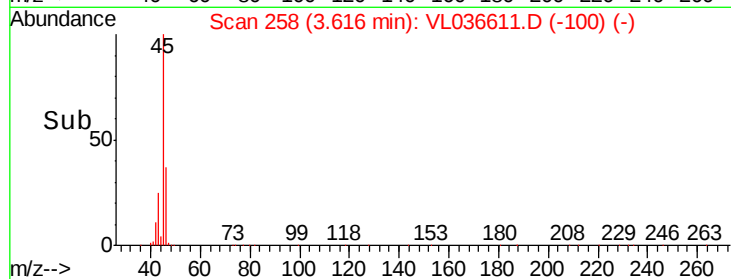
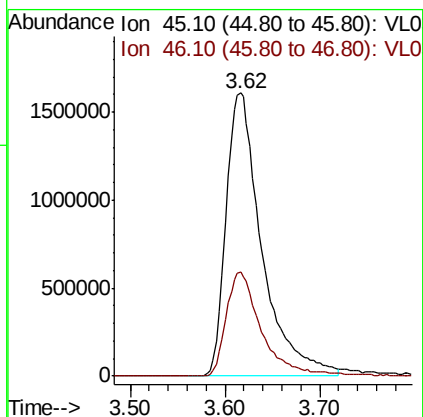
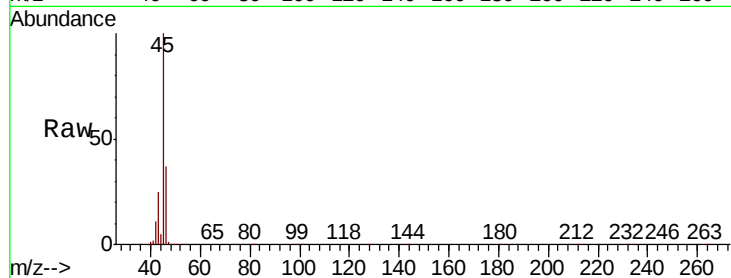




#13
Ethanol
Concen: 424.530 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

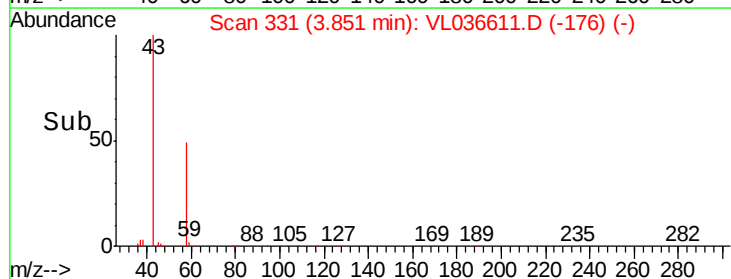
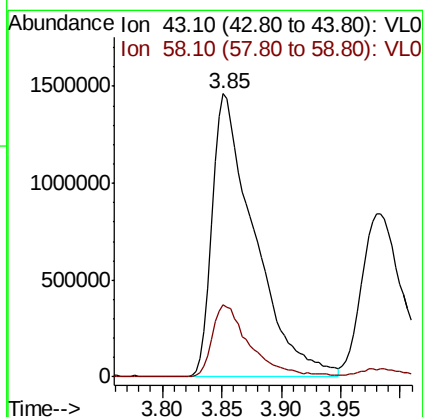
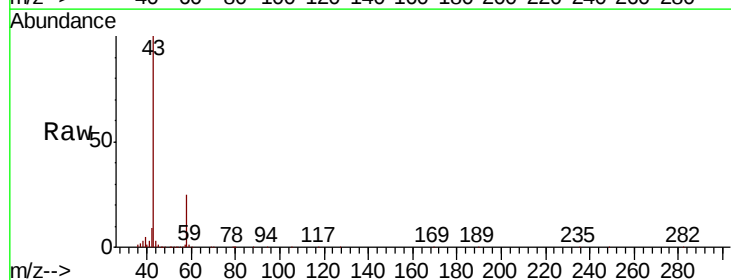
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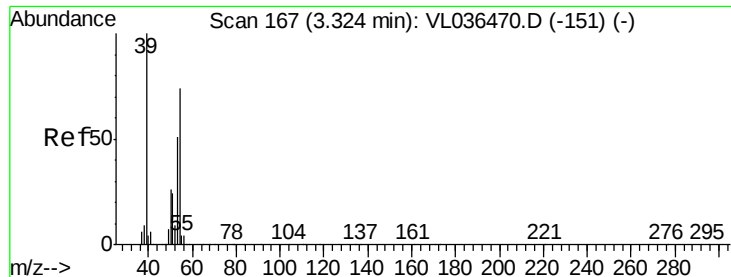
Tot Ion: 45 Resp: 4228201
Ion Ratio Lower Upper
45 100
46 37.0 16.6 66.2



#15
Acetone
Concen: 25.915 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 43 Resp: 3581531
Ion Ratio Lower Upper
43 100
58 22.9 21.2 31.8





#16

1,3-Butadiene

Concen: 0.895 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

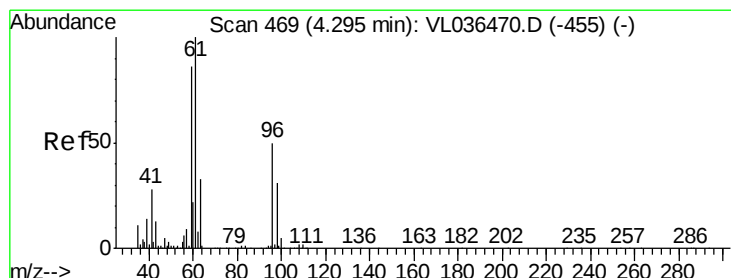
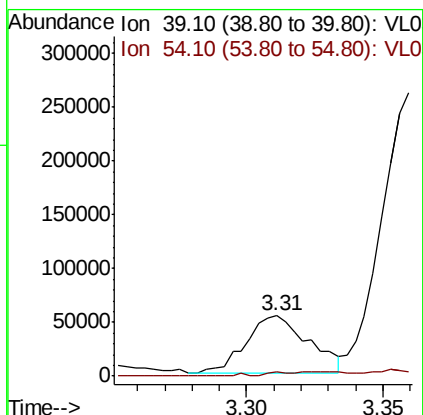
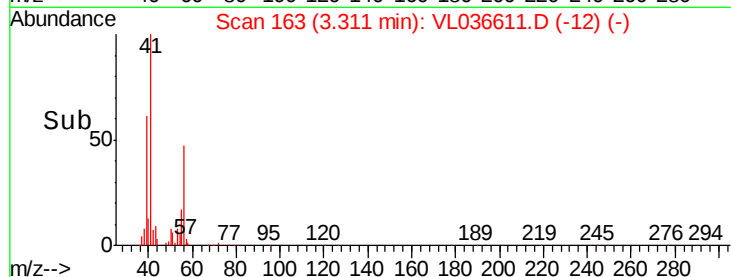
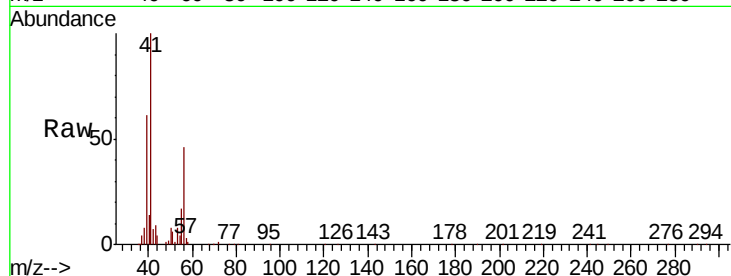
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 39 Resp: 86072

Ion Ratio Lower Upper

39 100

54 0.0 58.8 88.2#



#17

tert-Butyl alcohol

Concen: 10.155 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL036611.D

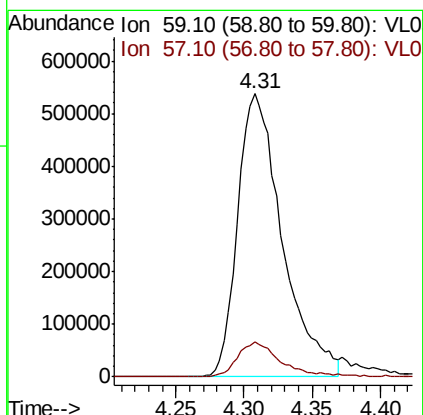
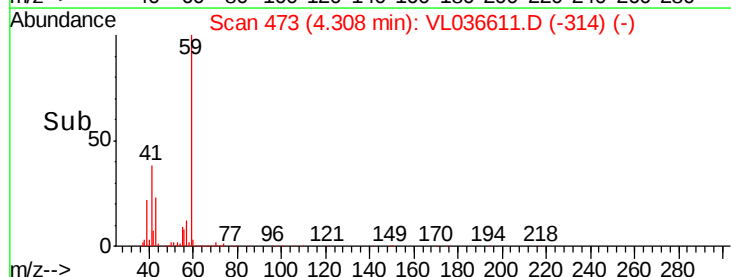
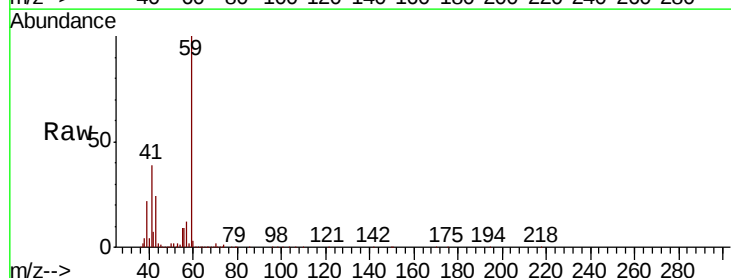
Acq: 31 Mar 2021 21:14

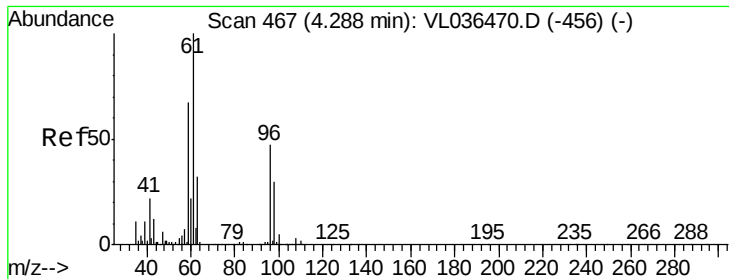
Tgt Ion: 59 Resp: 1221792

Ion Ratio Lower Upper

59 100

57 12.4 8.6 12.8





#18

1,1-Dichloroethene

Concen: 0.028 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

ClientSampleId :

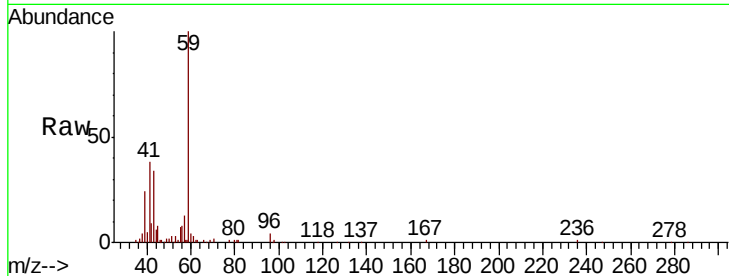
Tot Ion: 96 Resp: 1874

Ion Ratio Lower Upper

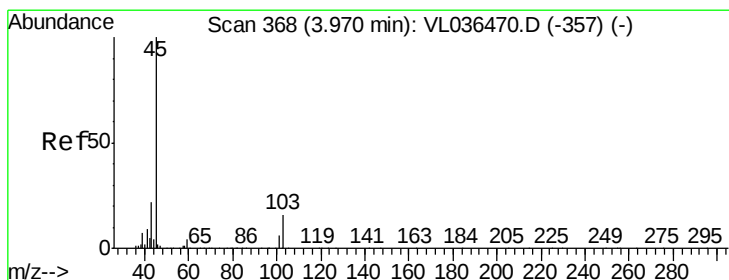
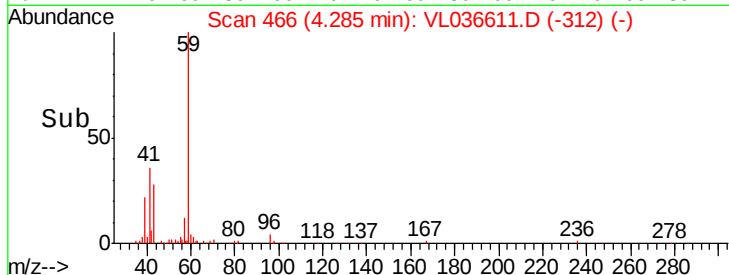
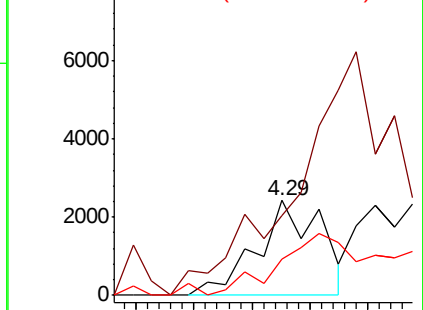
96 100

61 59.2 168.6 253.0#

98 25.1 50.8 76.2#



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



#19

Isopropyl Alcohol

Concen: 100.894 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL036611.D

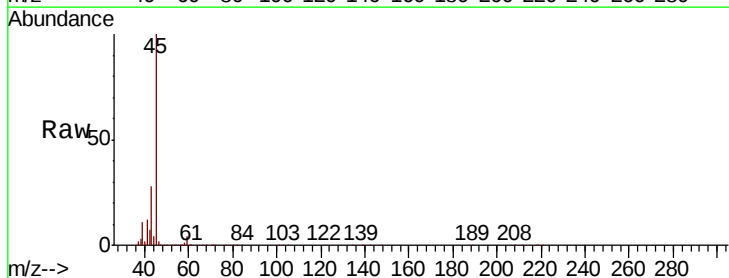
Acq: 31 Mar 2021 21:14

Tgt Ion: 45 Resp: 7670509

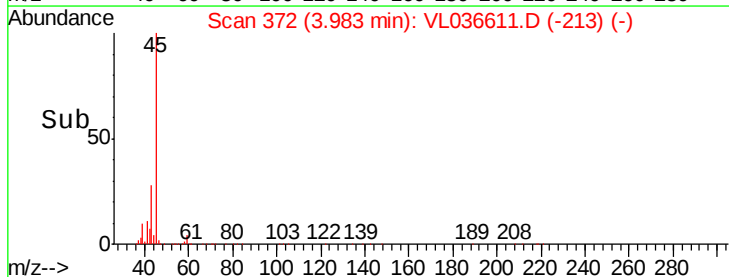
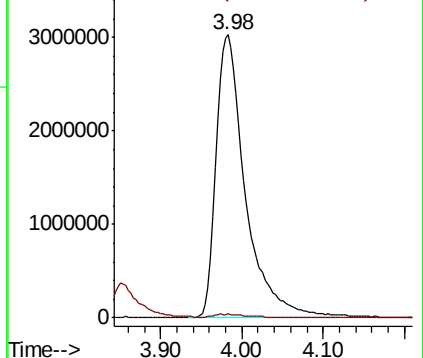
Ion Ratio Lower Upper

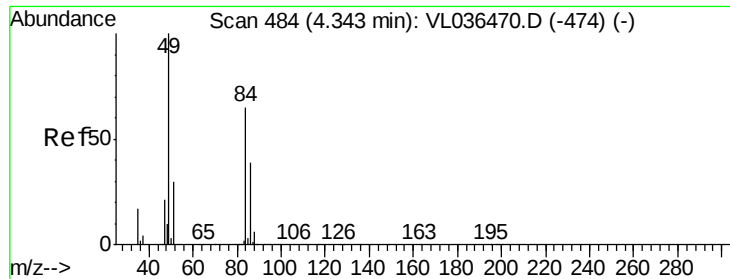
45 100

58 1.7 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

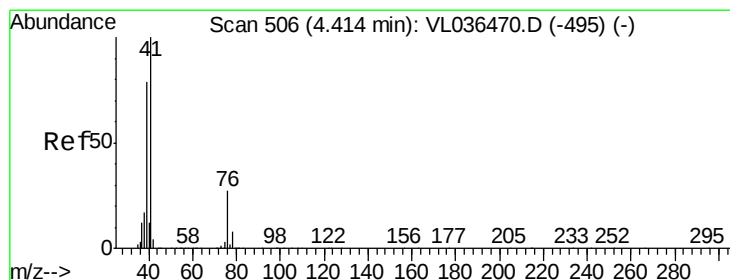
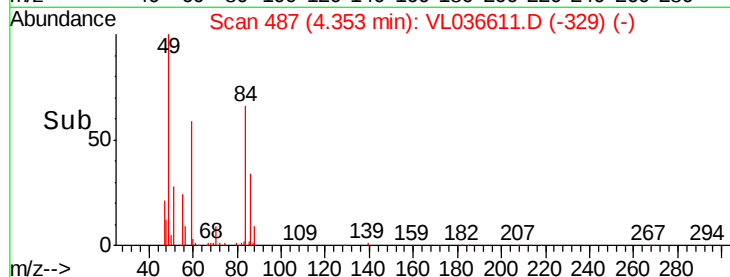
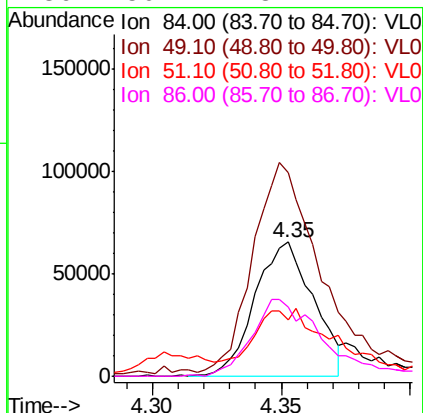
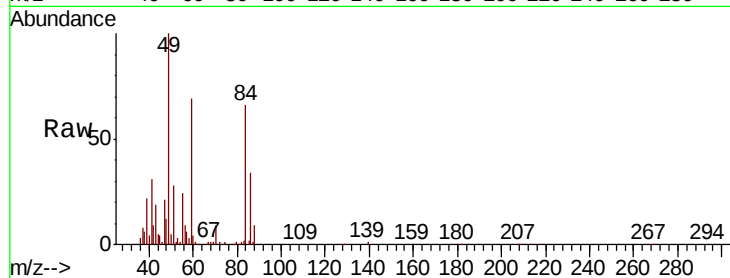




#20
Methylene Chloride
Concen: 1.580 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

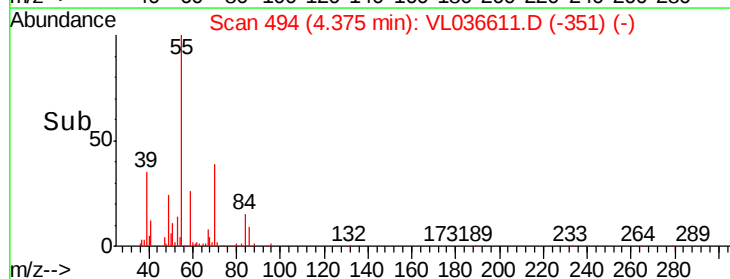
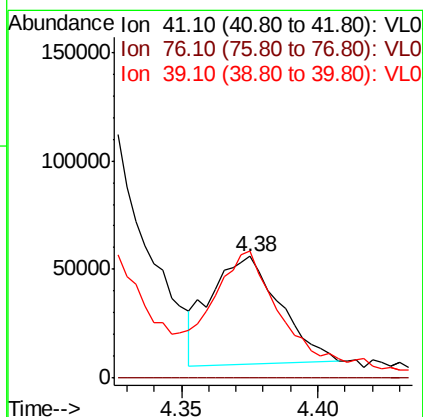
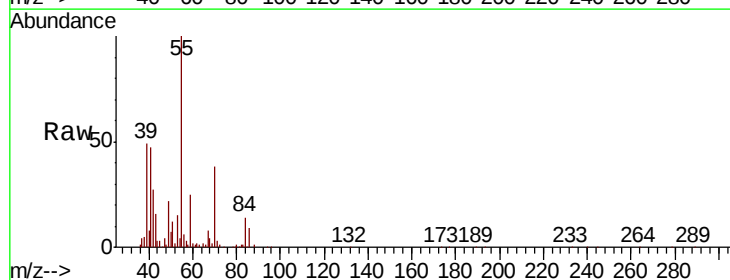
Instrument :
MSVOA_L
ClientSampled :

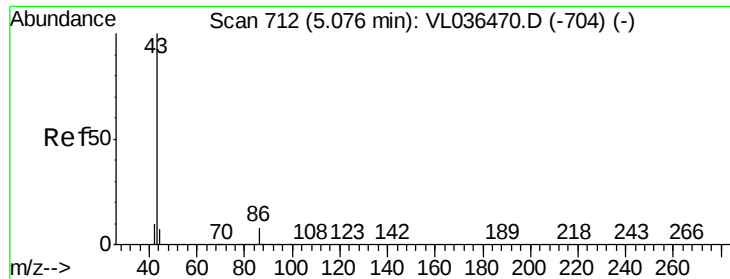
Tot Ion: 84 Resp: 102253
Ion Ratio Lower Upper
84 100
49 147.4 122.9 184.3
51 28.8 36.9 55.3#
86 50.4 48.2 72.4



#21
Allyl Chloride
Concen: 0.796 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.04 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 41 Resp: 87726
Ion Ratio Lower Upper
41 100
76 0.0 22.9 34.3#
39 121.5 67.3 100.9#





#23

Vinyl Acetate

Concen: 0.748 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 176892

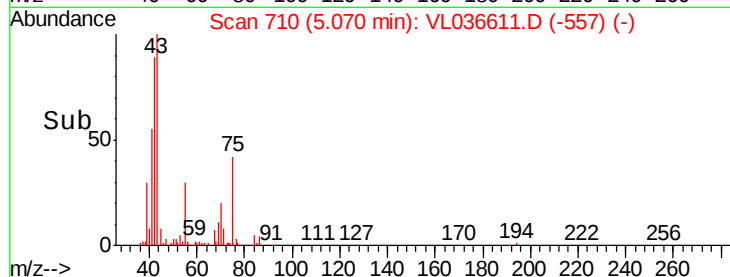
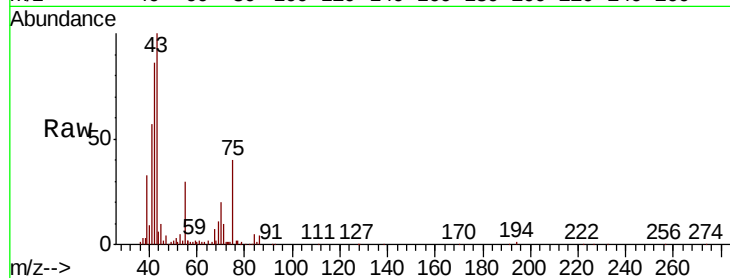
Ion Ratio Lower Upper

43 100

86 4.4 5.4 8.0#

42 87.9 8.5 12.7#

44 3.1 4.6 7.0#

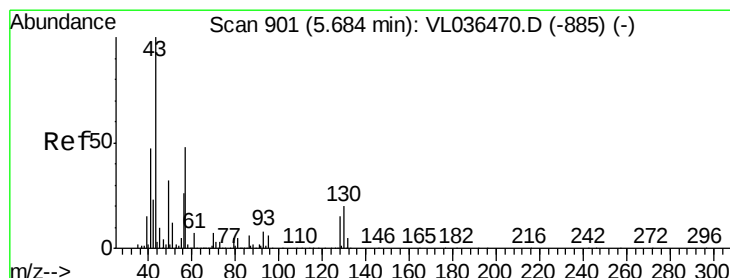
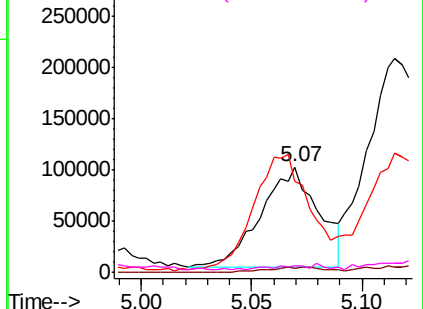


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#25

Ethyl Acetate

Concen: 1.121 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Tgt Ion: 43 Resp: 368230

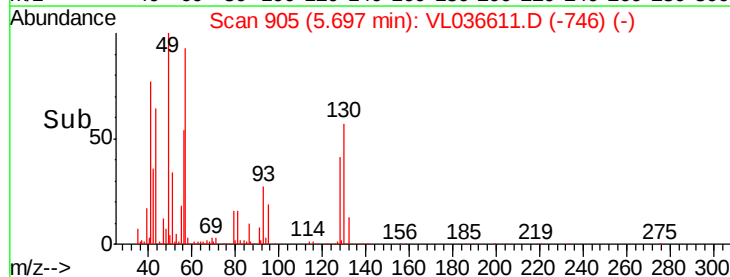
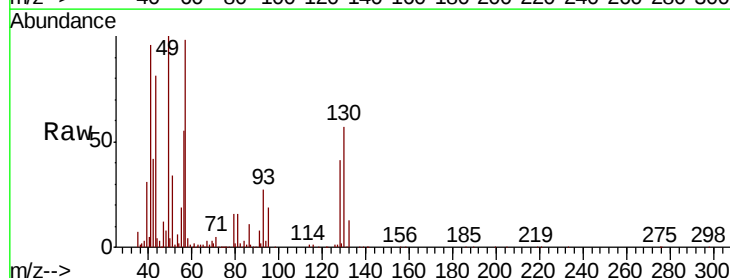
Ion Ratio Lower Upper

43 100

45 9.9 7.9 11.9

61 2.9 7.4 11.2#

70 3.0 5.1 7.7#

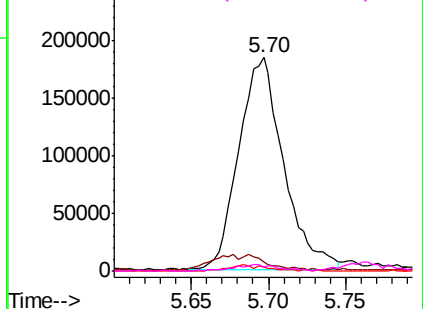


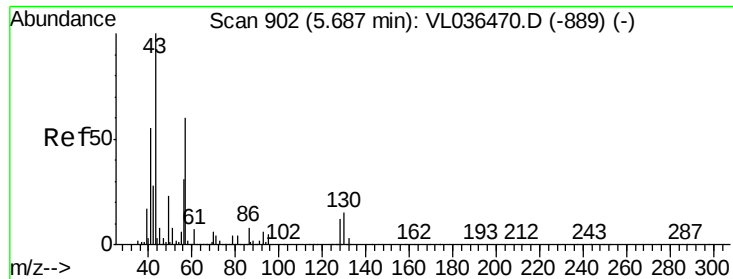
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

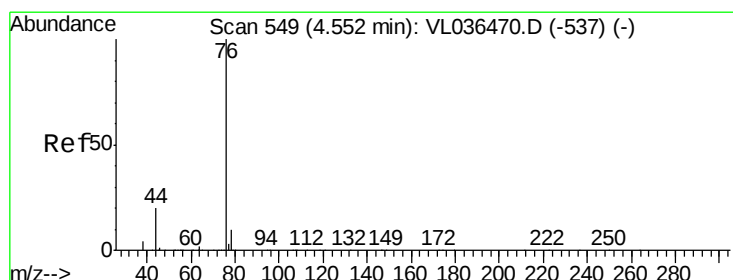
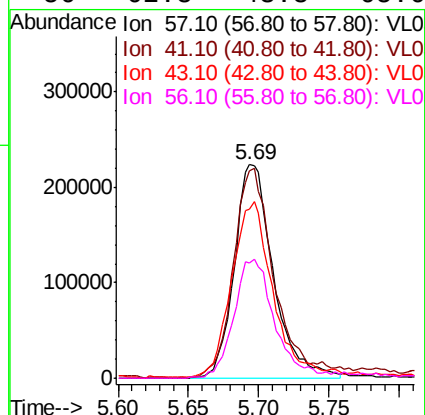
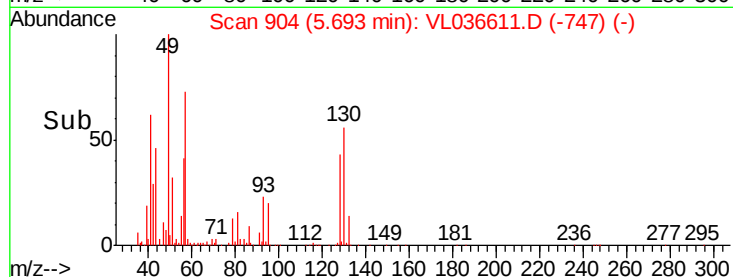
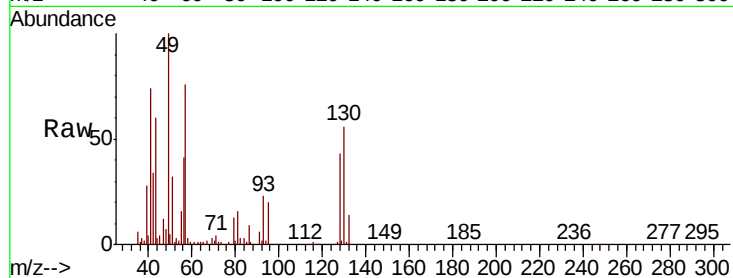




#26
Hexane
Concen: 2.845 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

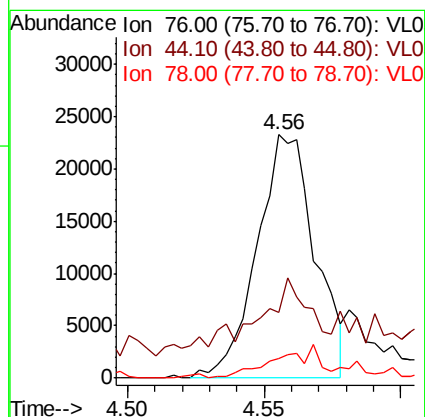
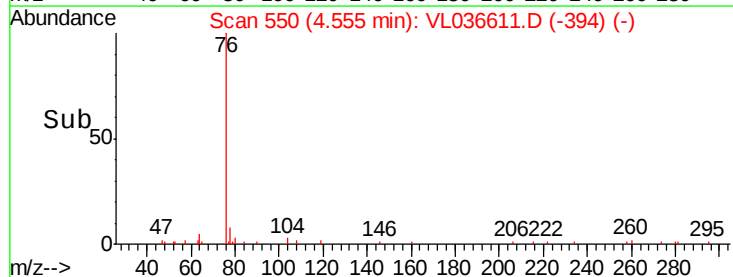
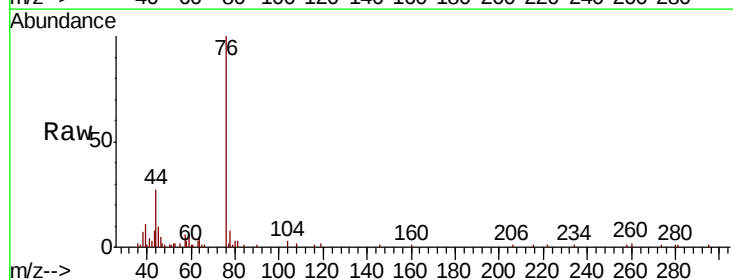
Instrument :
MSVOA_L
ClientSampled :

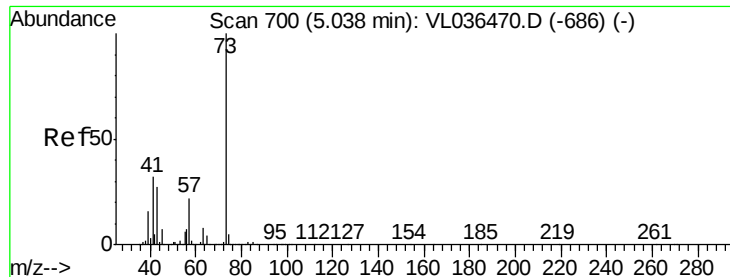
Tot Ion:	57	Resp:	433847
Ion	Ratio	Lower	Upper
57	100		
41	108.5	77.2	115.8
43	88.8	173.8	260.6#
56	62.8	43.8	65.6



#27
Carbon Disulfide
Concen: 0.229 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.00 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion:	76	Resp:	34330
Ion	Ratio	Lower	Upper
76	100		
44	49.2	17.5	26.3#
78	0.0	8.6	13.0#



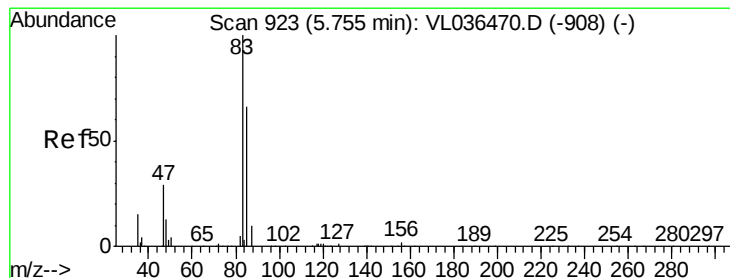
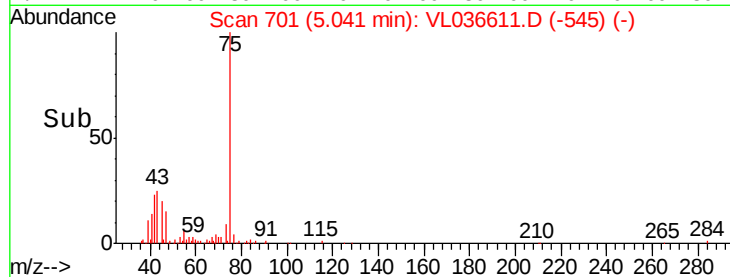
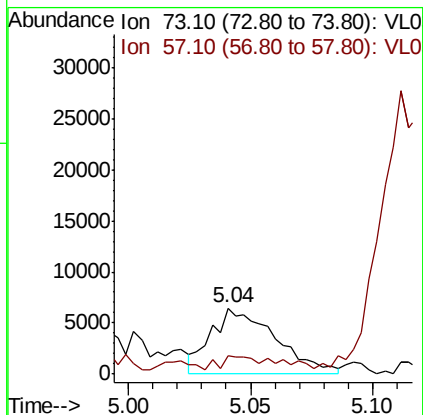
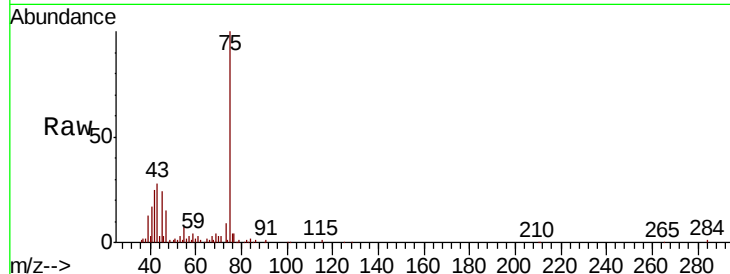


#28

Methyl tert-Butyl Ether
 Concen: 0.066 ppbv
 RT: 5.04 min Scan# 701
 Delta R.T. 0.00 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

Instrument :
 MSVOA_L
 ClientSampleId :

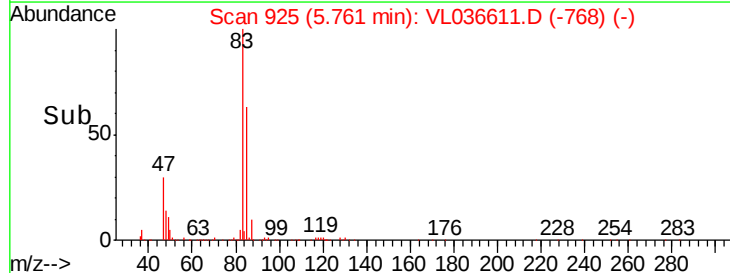
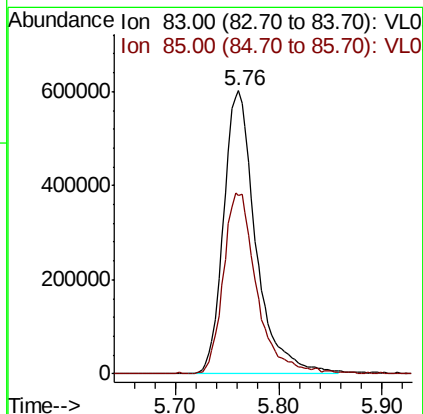
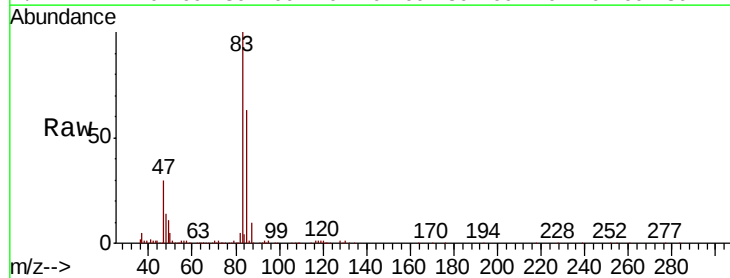
Tot Ion: 73 Resp: 11914
 Ion Ratio Lower Upper
 73 100
 57 0.0 18.5 27.7#

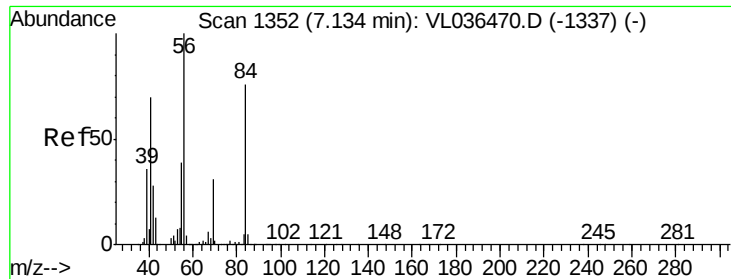


#29

Chloroform
 Concen: 5.374 ppbv
 RT: 5.76 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

Tgt Ion: 83 Resp: 1310348
 Ion Ratio Lower Upper
 83 100
 85 62.9 52.6 78.8

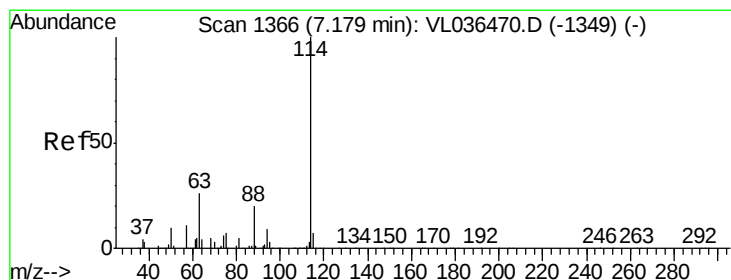
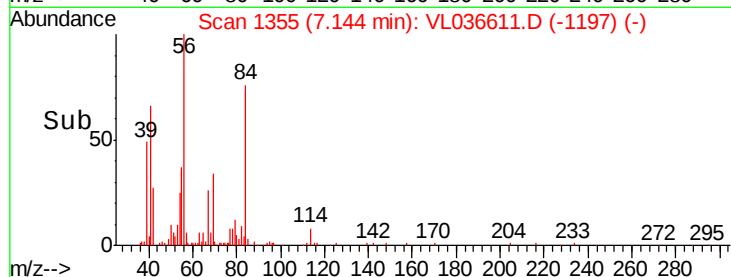
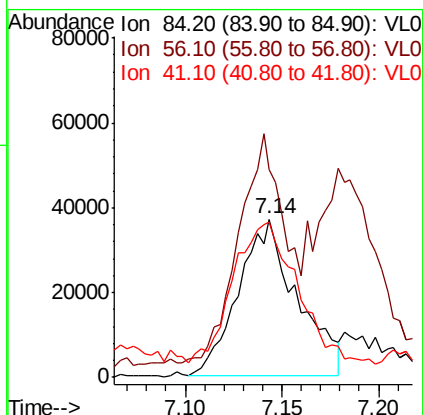
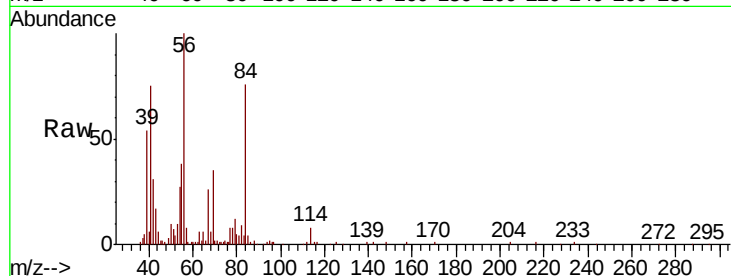




#30
Cvclohexane
Concen: 0.636 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

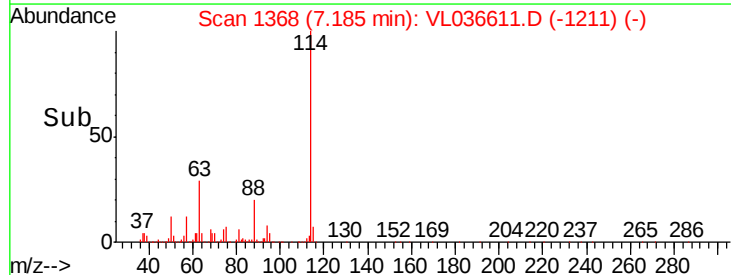
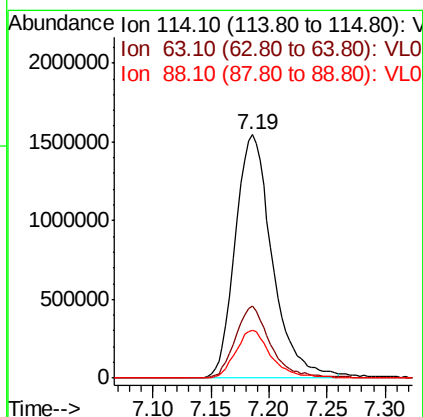
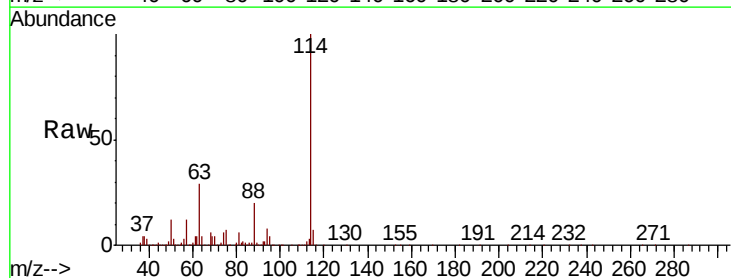
Instrument :
MSVOA_L
ClientSampled :

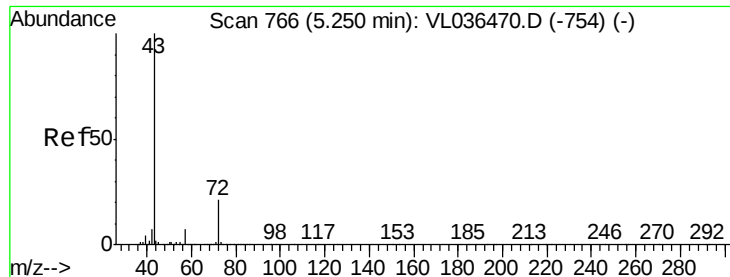
Tot Ion: 84 Resp: 78636
Ion Ratio Lower Upper
84 100
56 125.5 114.6 171.8
41 99.7 75.3 112.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 114 Resp: 3424742
Ion Ratio Lower Upper
114 100
63 28.7 22.4 33.6
88 19.1 15.4 23.0

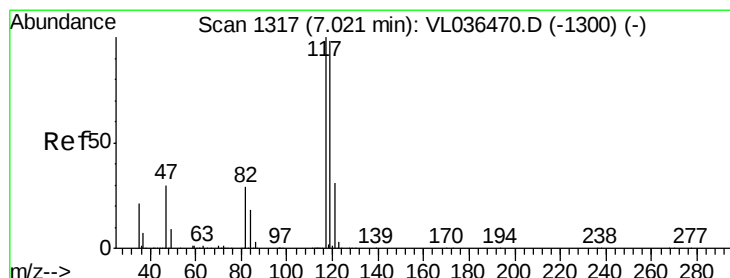
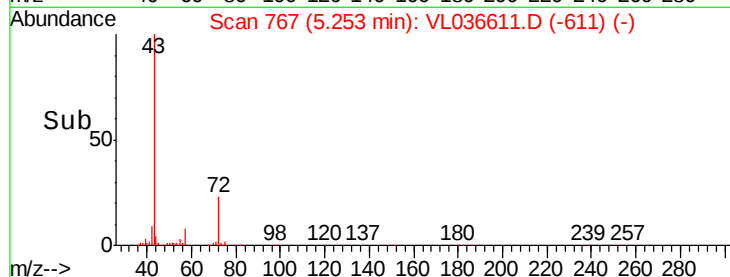
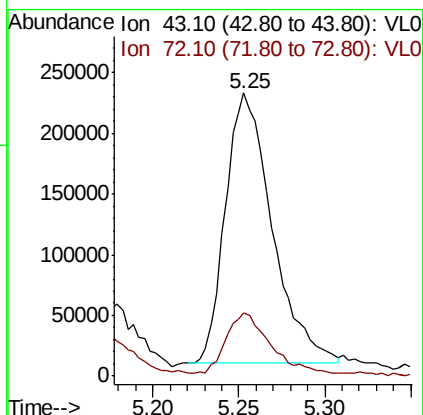
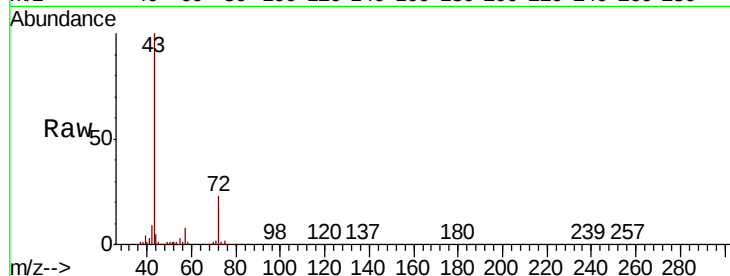




#34
2-Butanone
Concen: 2.516 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

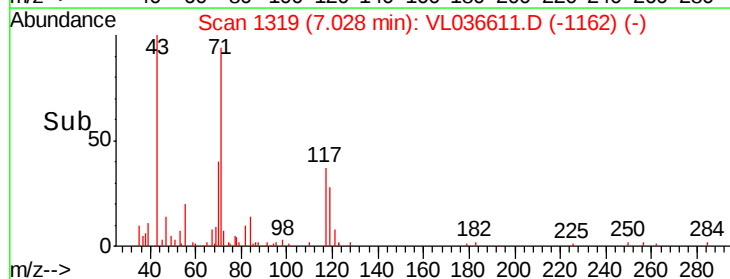
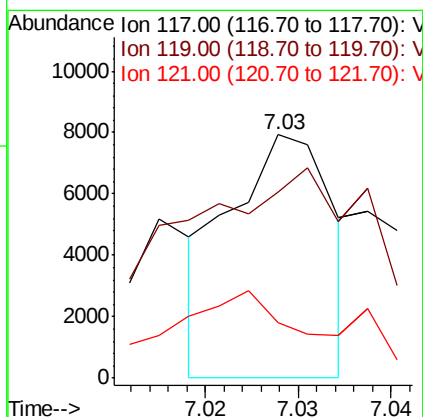
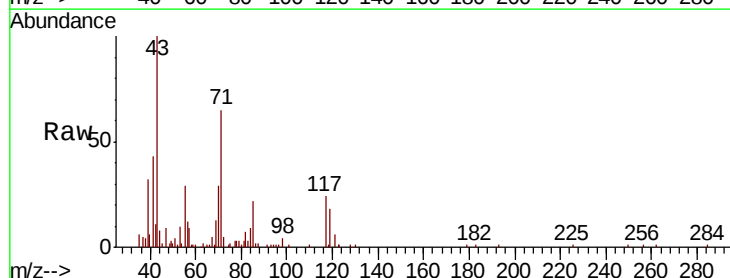
Instrument :
MSVOA_L
ClientSampled :

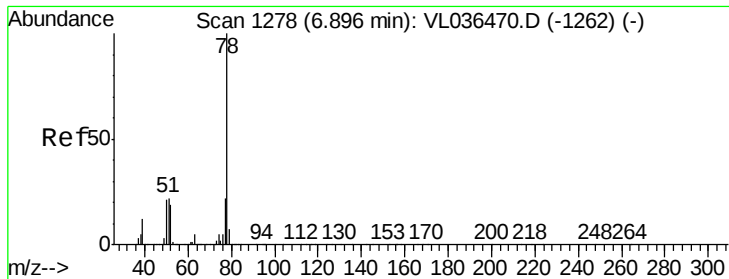
Tot Ion: 43 Resp: 420634
Ion Ratio Lower Upper
43 100
72 24.7 17.0 25.6



#35
Carbon Tetrachloride
Concen: 0.023 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 117 Resp: 6131
Ion Ratio Lower Upper
117 100
119 29.1 78.2 117.2#
121 12.9 24.5 36.7#

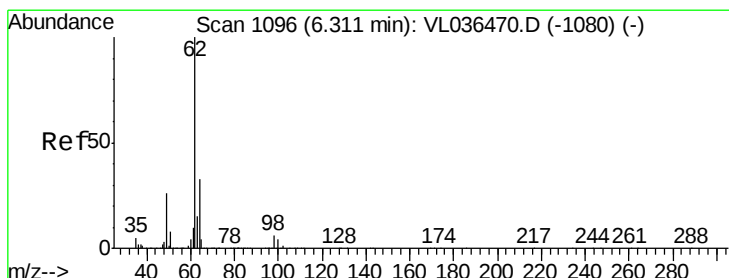
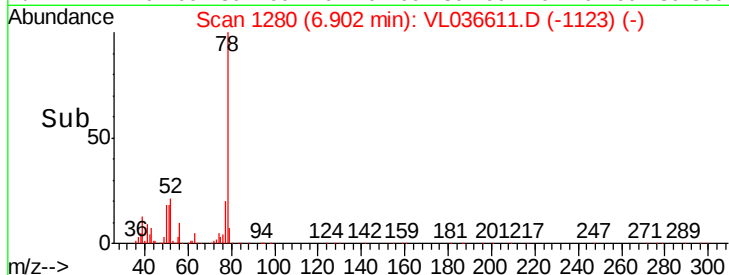
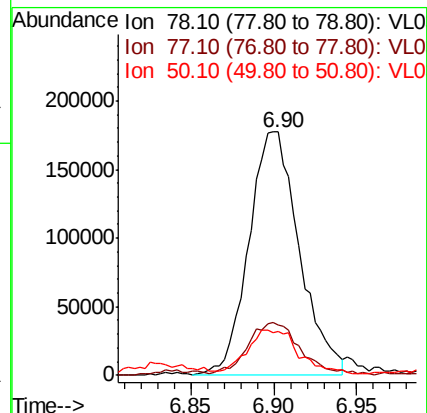
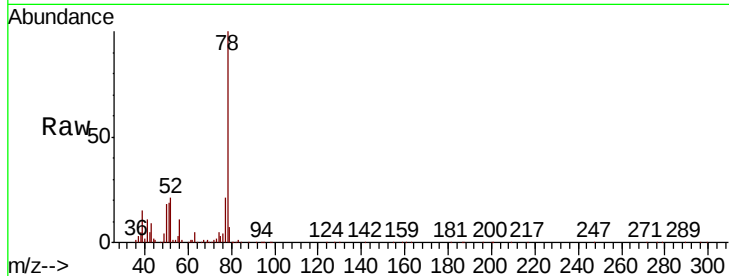




#36
Benzene
Concen: 1.182 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

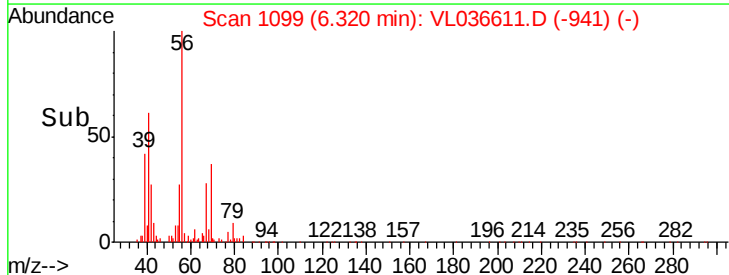
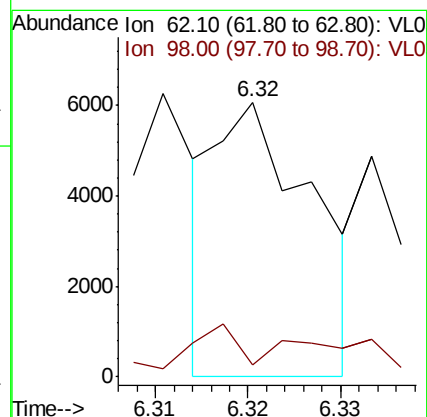
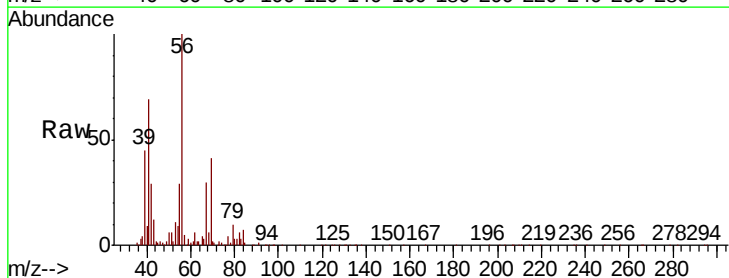
Instrument :
MSVOA_L
ClientSampleId :

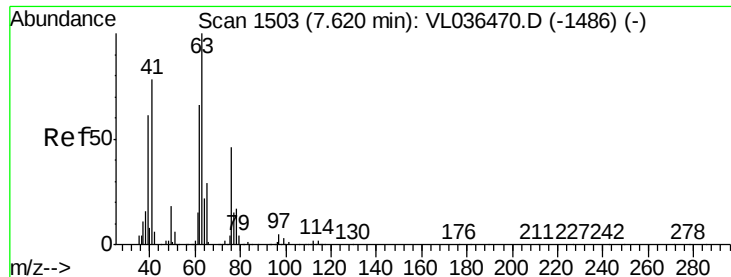
Tot Ion: 78 Resp: 373488
Ion Ratio Lower Upper
78 100
77 18.9 18.0 27.0
50 16.0 16.5 24.7#



#37
1,2-Dichloroethane
Concen: 0.024 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 62 Resp: 4410
Ion Ratio Lower Upper
62 100
98 28.9 4.9 7.3#

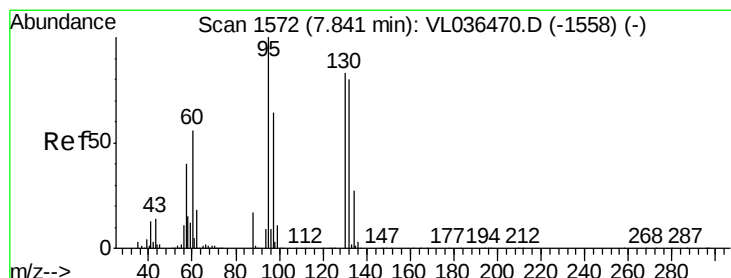
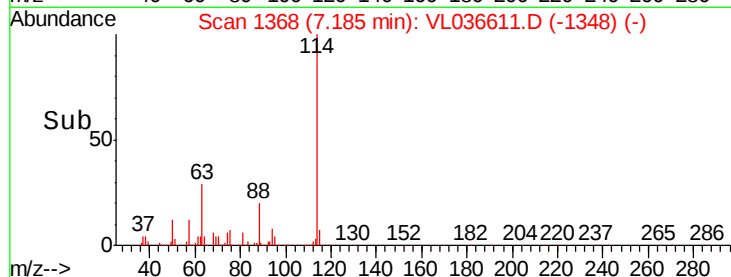
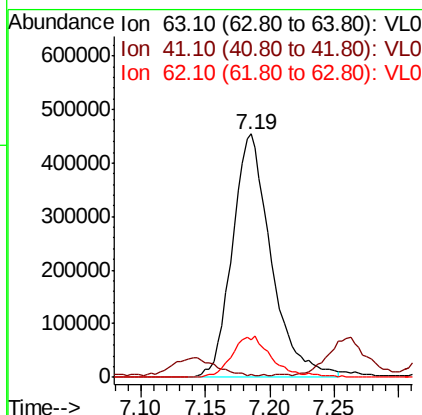
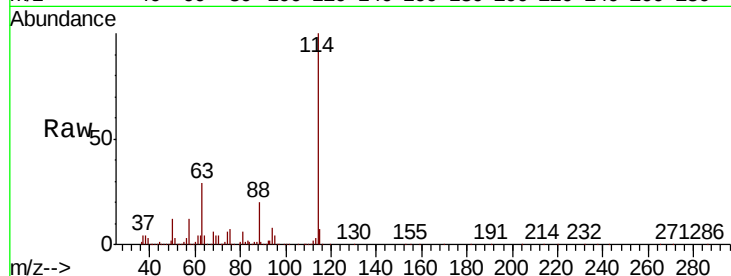




#39
 1,2-Dichloropropane
 Concen: 7.350 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.43 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

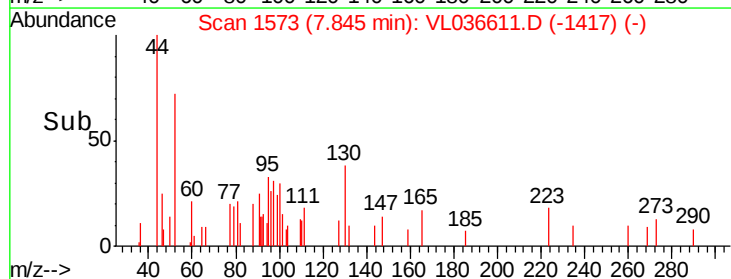
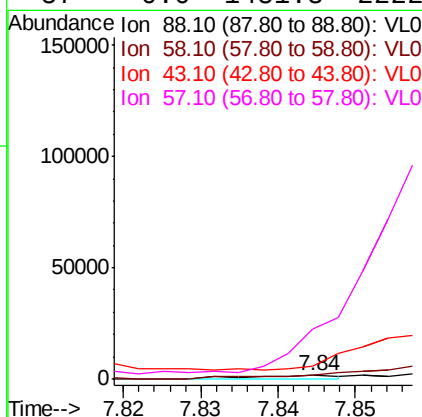
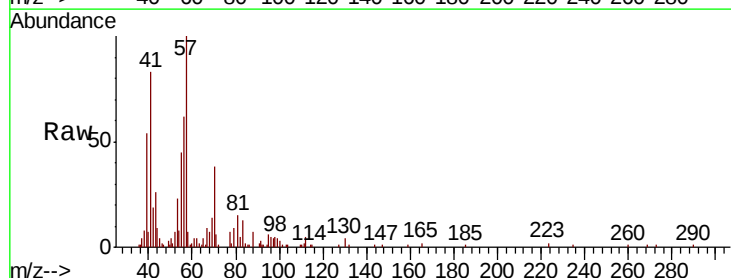
Instrument :
 MSVOA_L
 ClientSampleId :

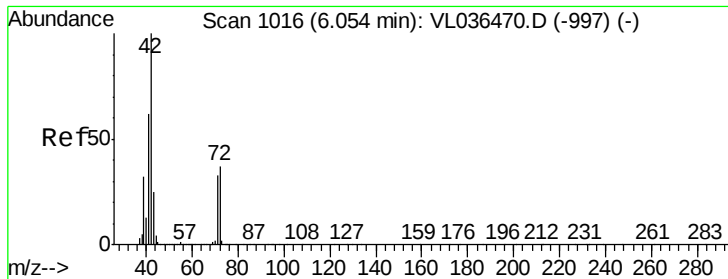
Tot Ion: 63 Resp: 941771
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 15.1 52.8 79.2#



#40
 1,4-Dioxane
 Concen: 0.042 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

Tgt Ion: 88 Resp: 1249
 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: 0.636 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

ClientSampleId :

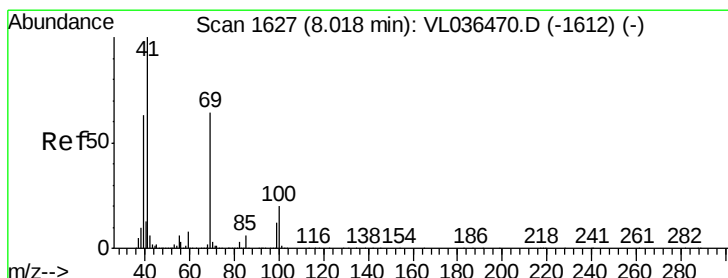
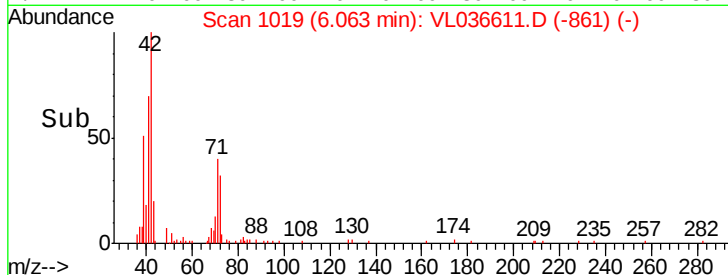
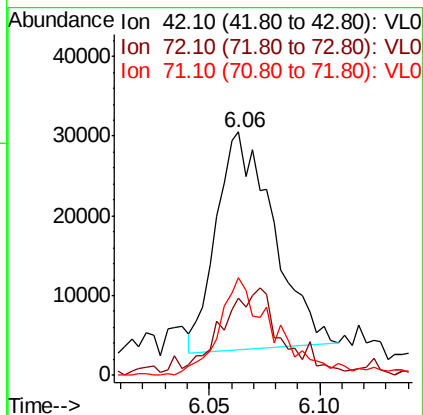
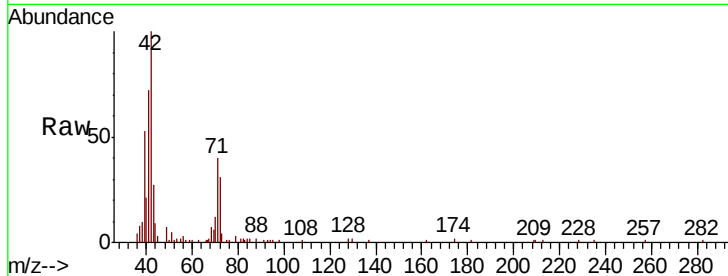
Tot Ion: 42 Resp: 49023

Ion Ratio Lower Upper

42 100

72 48.6 27.6 41.4#

71 45.0 27.0 40.4#



#43

Methyl Methacrylate

Concen: 0.027 ppbv

RT: 8.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

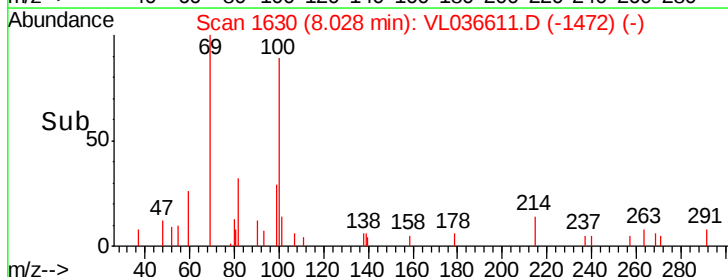
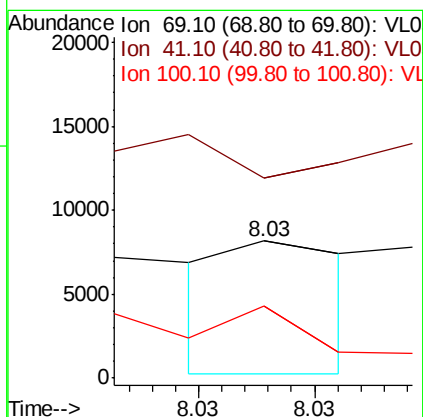
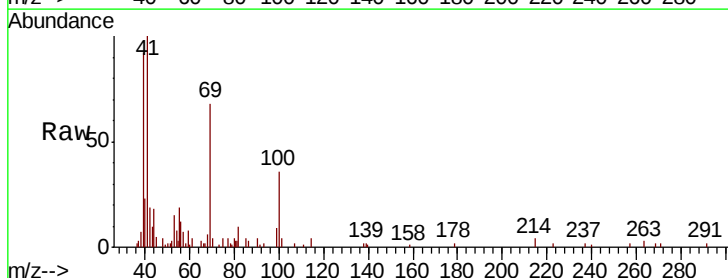
Tgt Ion: 69 Resp: 2908

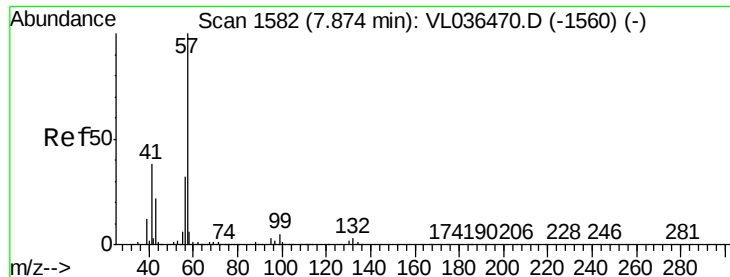
Ion Ratio Lower Upper

69 100

41 1450.4 126.8 190.2#

100 237.9 24.9 37.3#

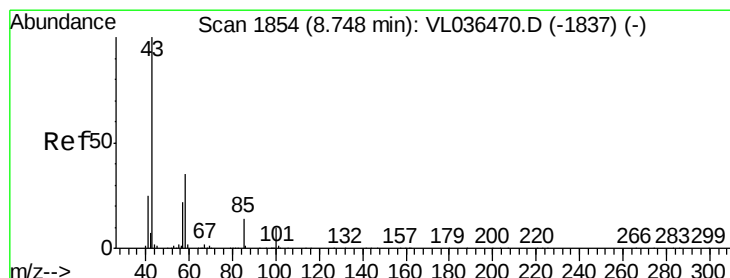
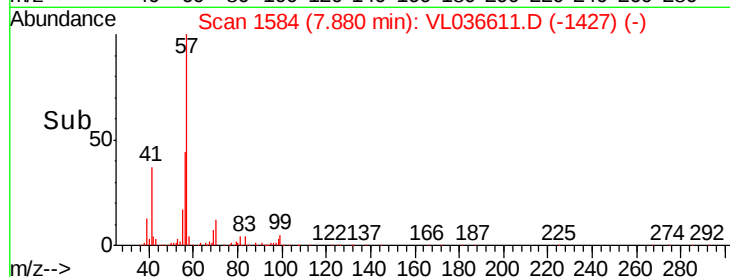
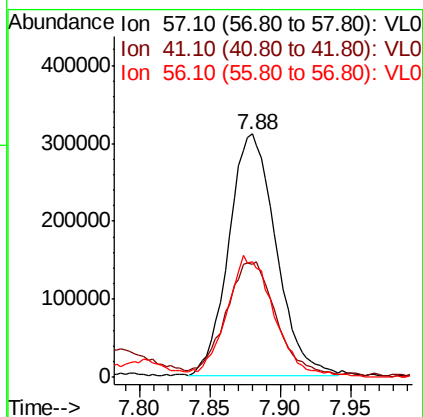
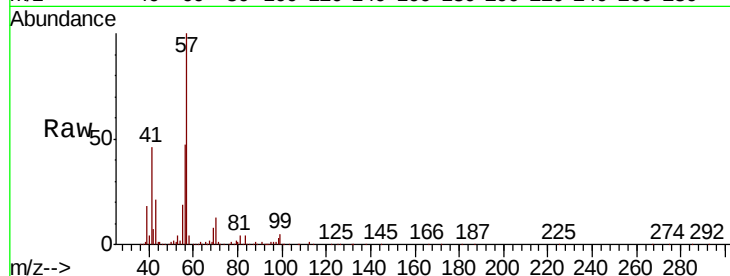




#44
 2,2,4-Trimethylpentane
 Concen: 1.303 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

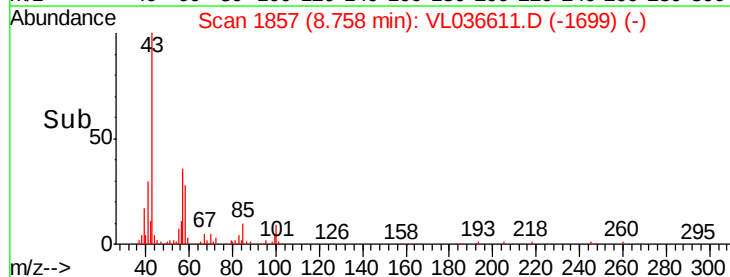
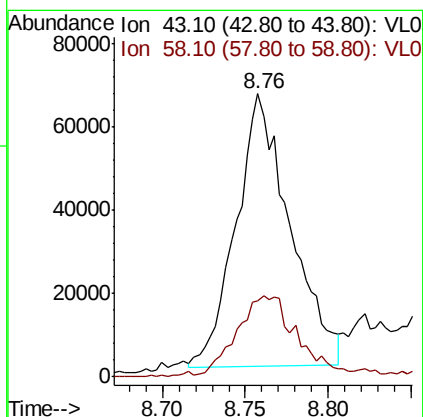
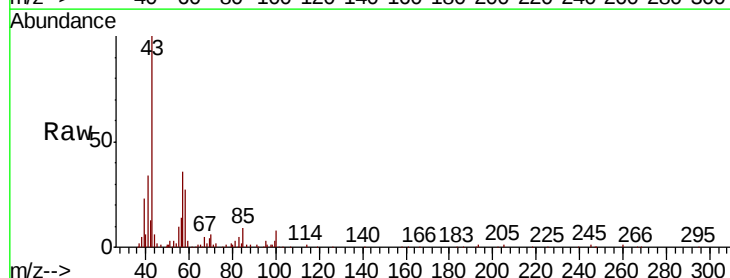
Instrument :
 MSVOA_L
 ClientSampleId :

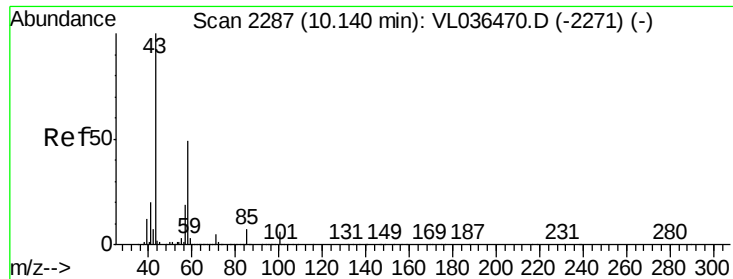
Tot Ion	57	Resp	724399
Ion	Ratio	Lower	Upper
57	100		
41	51.4	28.8	43.2#
56	50.8	26.1	39.1#



#50
 4-Methyl-2-Pentanone
 Concen: 0.612 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.01 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

Tgt Ion	43	Resp	148077
Ion	Ratio	Lower	Upper
43	100		
58	35.0	28.2	42.2

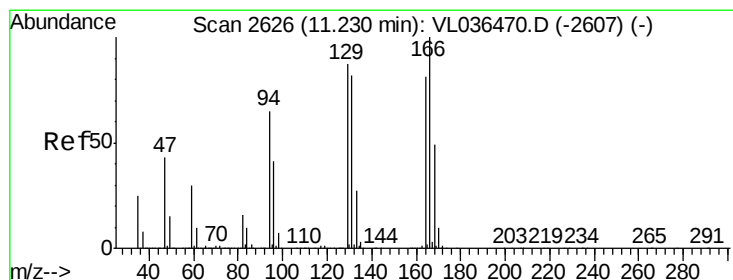
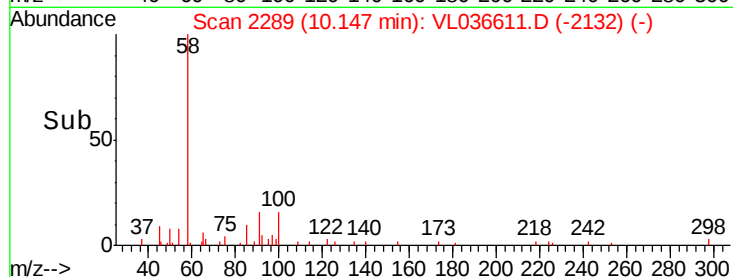
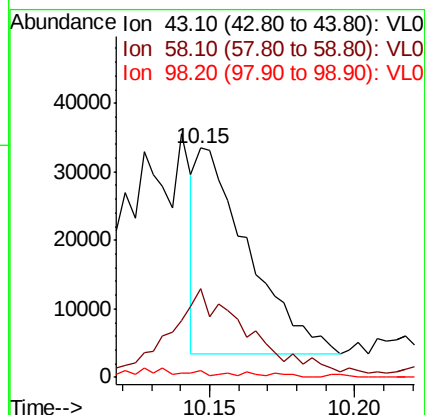
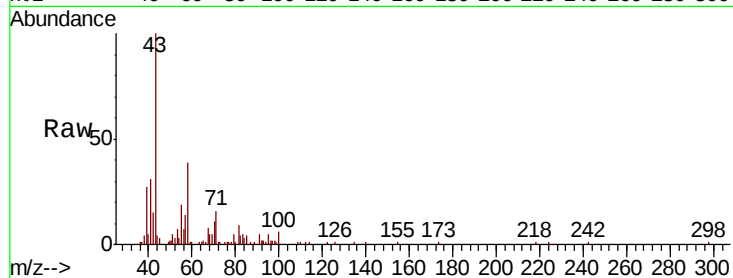




#51
2-Hexanone
Concen: 0.308 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

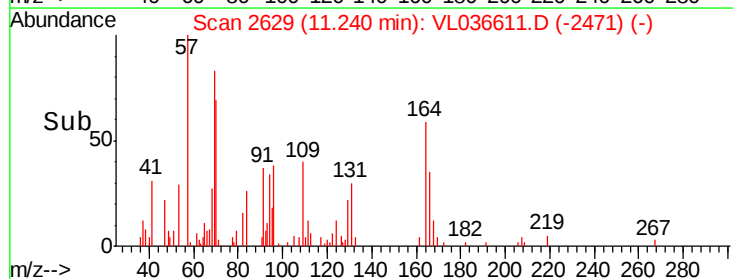
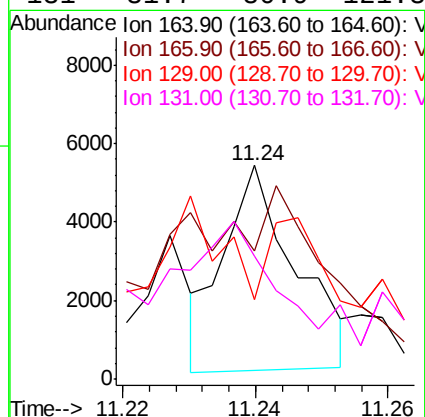
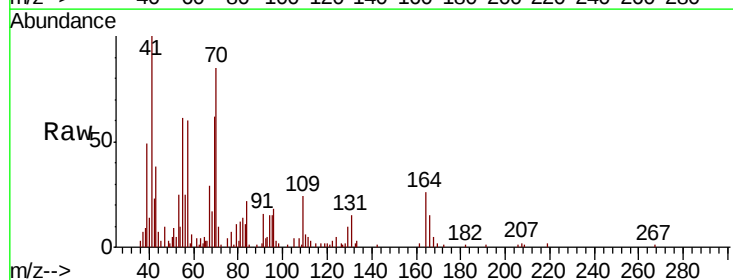
Instrument :
MSVOA_L
ClientSampled :

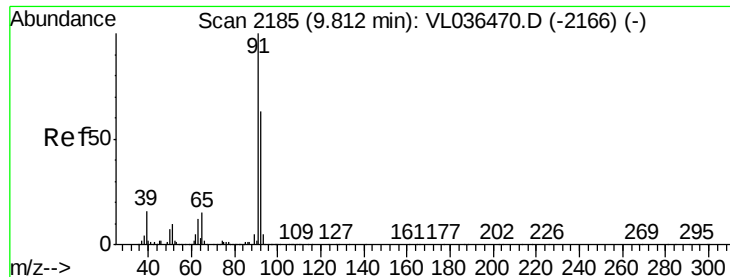
Tot Ion: 43 Resp: 37555
Ion Ratio Lower Upper
43 100
58 70.8 37.7 56.5#
98 2.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.034 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 164 Resp: 3922
Ion Ratio Lower Upper
164 100
166 21.0 98.3 147.5#
129 0.9 85.8 128.8#
131 31.7 80.9 121.3#





#53

Toluene

Concen: 4.274 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

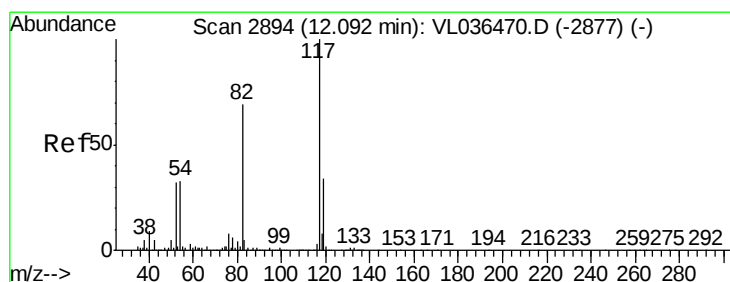
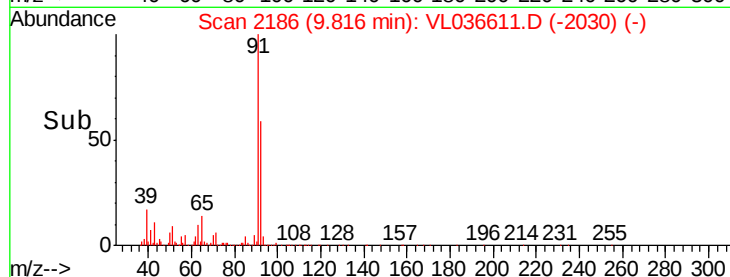
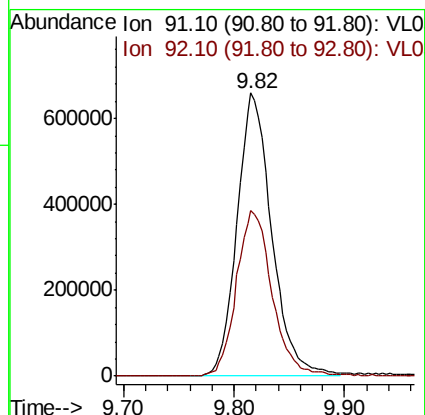
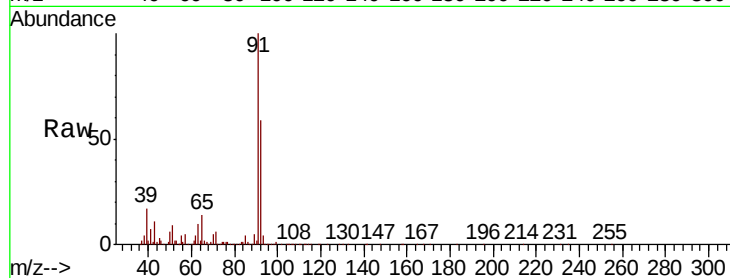
ClientSampleId :

Tot Ion: 91 Resp: 1437675

Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

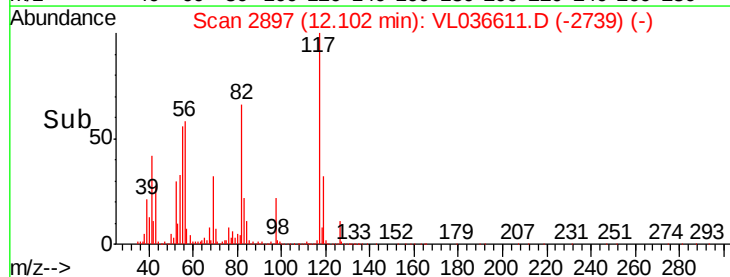
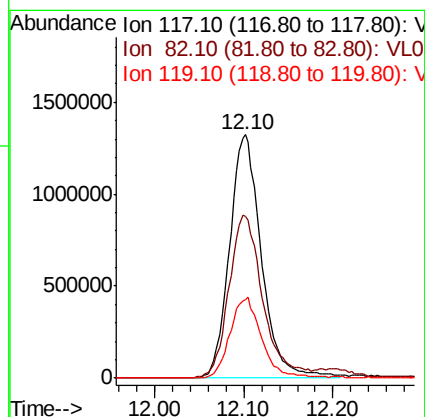
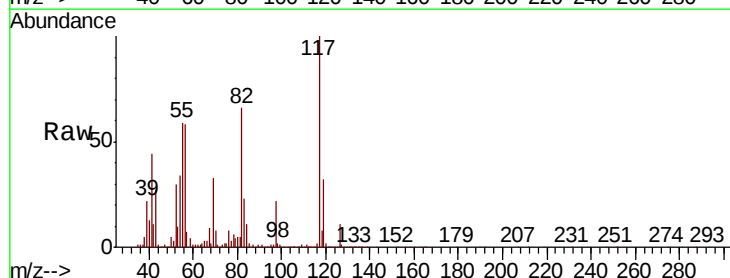
Tgt Ion: 117 Resp: 3280258

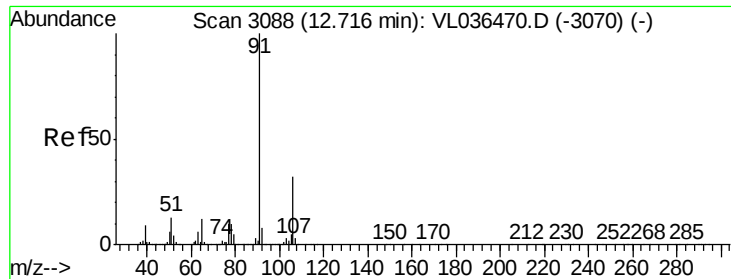
Ion Ratio Lower Upper

117 100

82 71.8 57.4 86.0

119 33.3 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.797 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

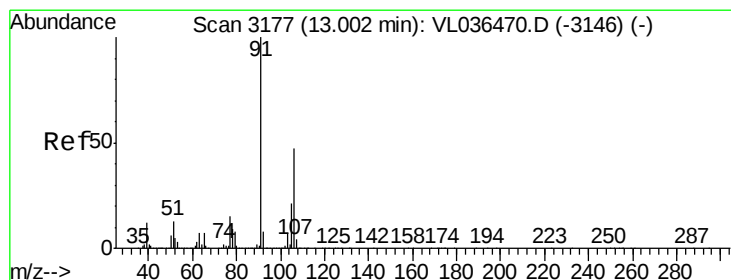
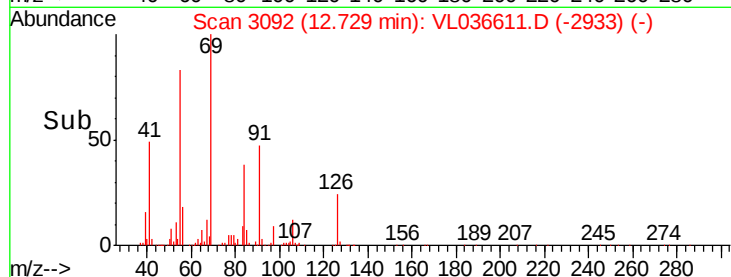
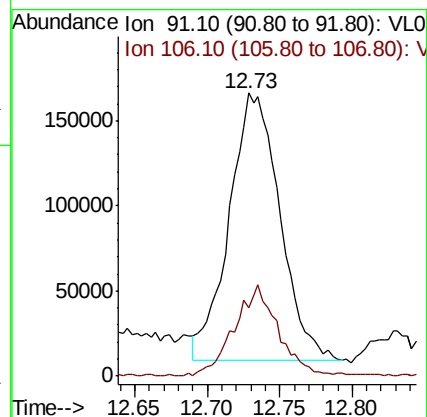
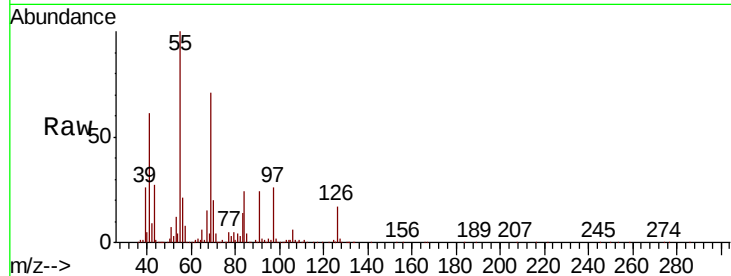
ClientSampleId :

Tot Ion: 91 Resp: 380257

Ion Ratio Lower Upper

91 100

106 25.2 25.3 37.9#



#59

m/p-Xylene

Concen: 1.992 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL036611.D

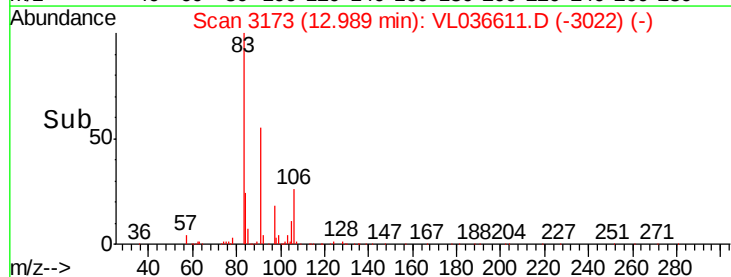
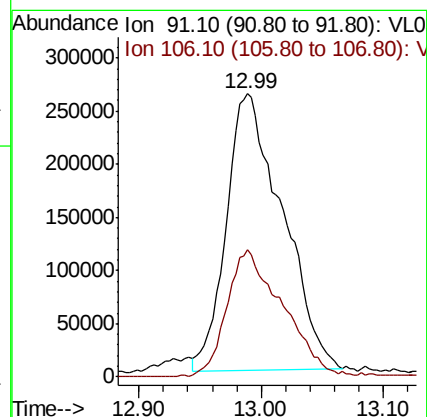
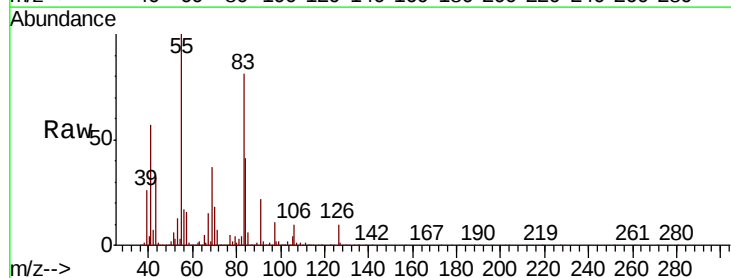
Acq: 31 Mar 2021 21:14

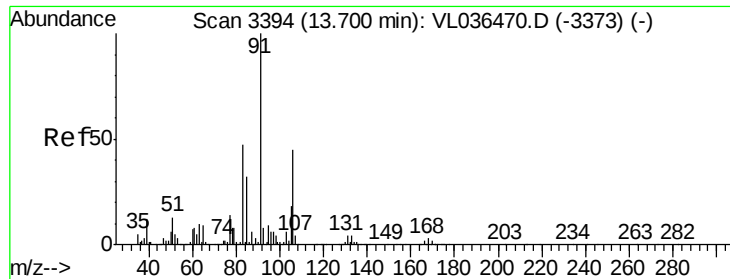
Tgt Ion: 91 Resp: 829201

Ion Ratio Lower Upper

91 100

106 46.3 35.3 52.9

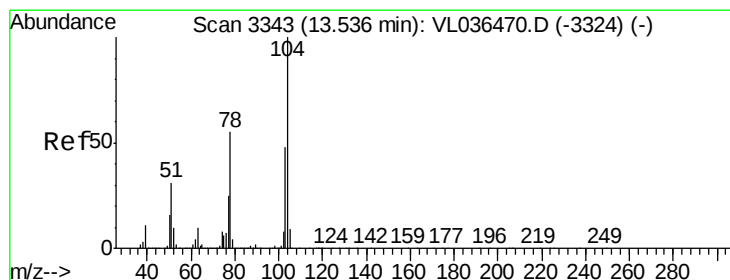
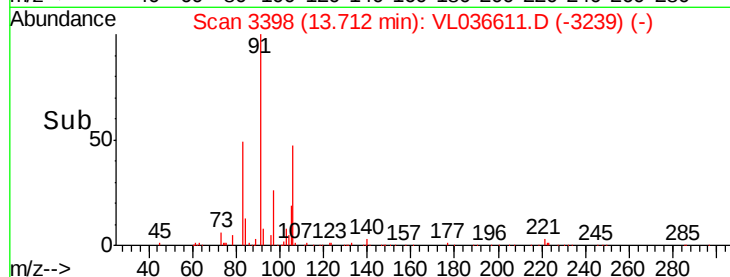
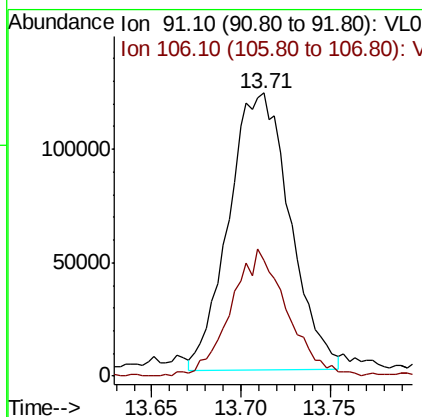
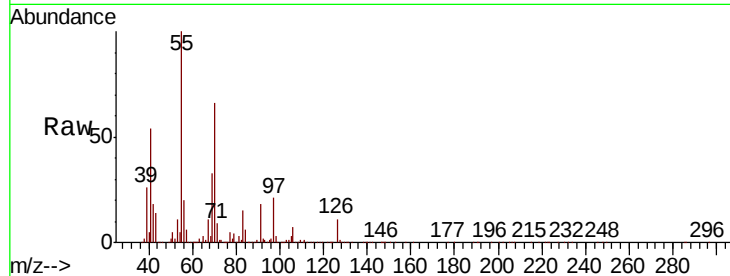




#60
o-Xylene
Concen: 0.726 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

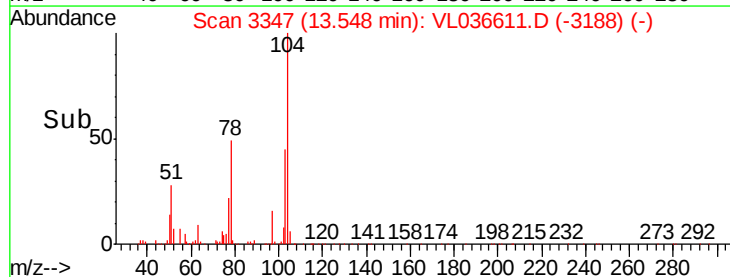
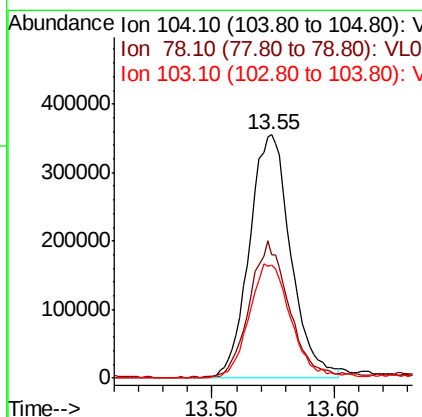
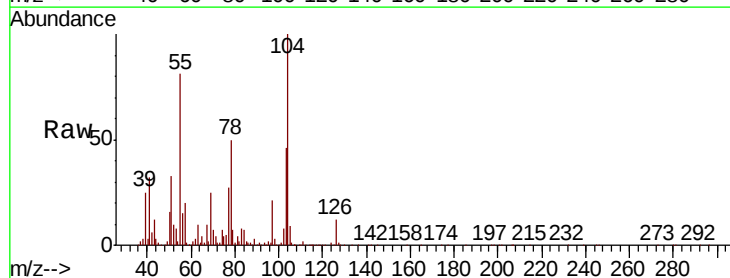
Instrument :
MSVOA_L
ClientSampled :

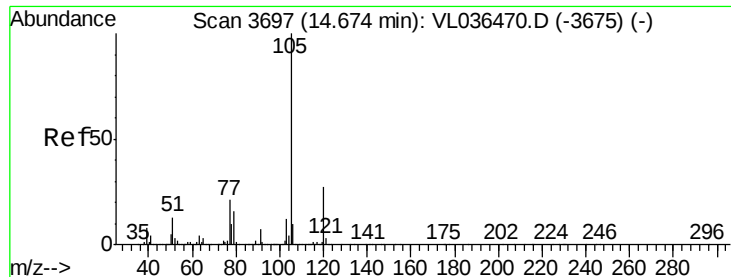
Tot Ion: 91 Resp: 292327
Ion Ratio Lower Upper
91 100
106 41.8 22.3 66.9



#61
Styrene
Concen: 4.117 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 104 Resp: 833712
Ion Ratio Lower Upper
104 100
78 54.2 43.8 65.8
103 48.0 38.3 57.5





#62

Isopropylbenzene

Concen: 20.846 ppbv

RT: 14.69 min Scan# 3702

Delta R.T. 0.02 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

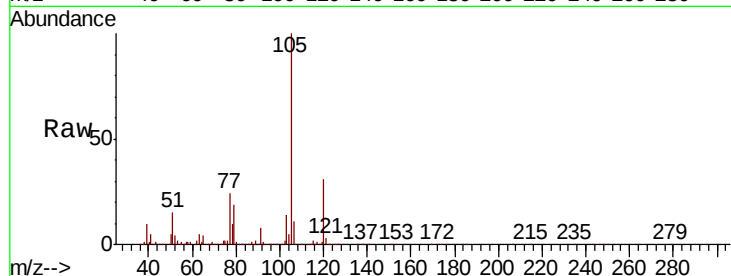
ClientSampled :

Tot Ion:105 Resp:11298657

Ion Ratio Lower Upper

105 100

120 28.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.69

4000000

3000000

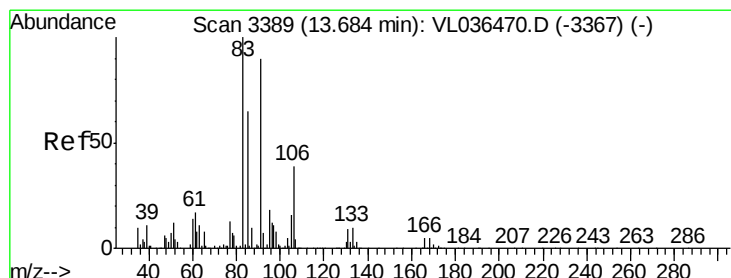
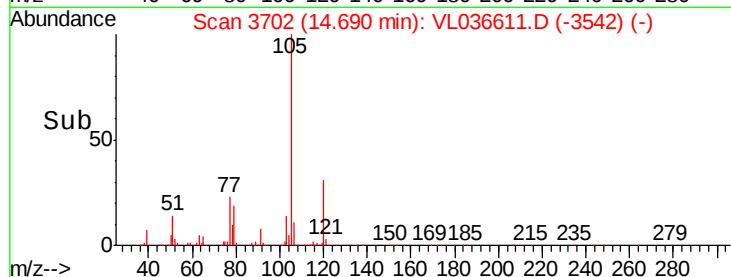
2000000

1000000

0

Time-->

14.60 14.70 14.80



#63

1,1,2,2-Tetrachloroethane

Concen: 0.329 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.02 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

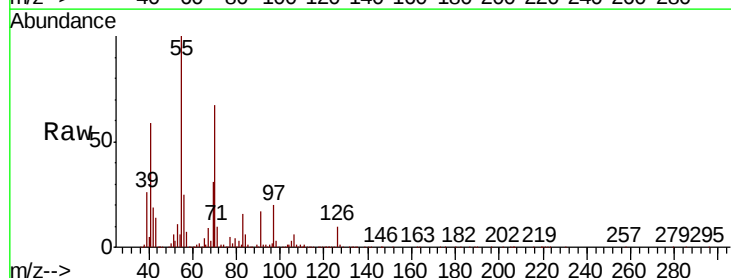
Tgt Ion: 83 Resp: 101155

Ion Ratio Lower Upper

83 100

131 1.0 4.7 14.0#

85 0.0 33.1 99.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

150000

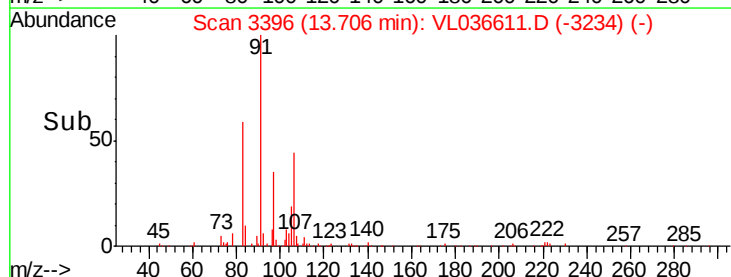
100000

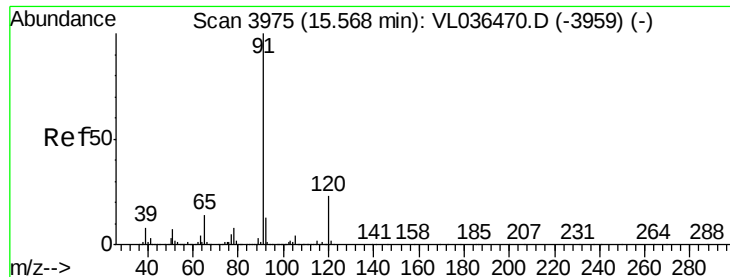
50000

0

Time-->

13.69 13.70 13.71





#64

n-propylbenzene

Concen: 0.142 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.02 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

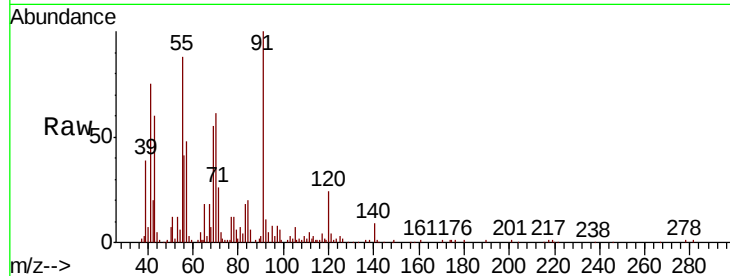
ClientSampleId :

Tot Ion:120 Resp: 18811

Ion Ratio Lower Upper

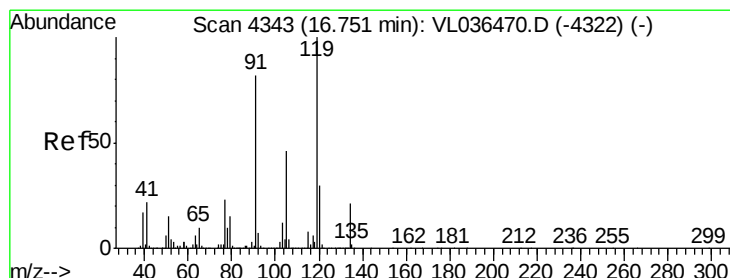
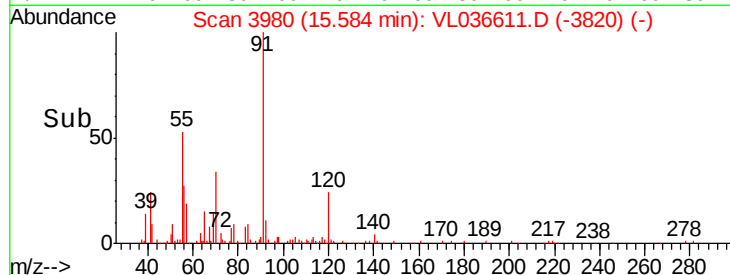
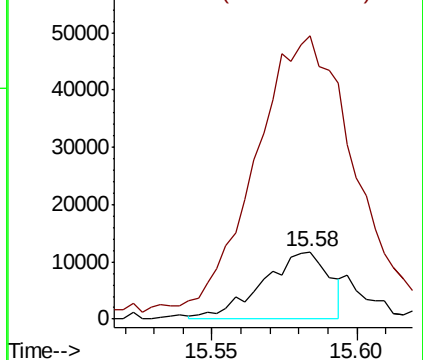
120 100

91 633.4 377.4 566.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.023 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.02 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

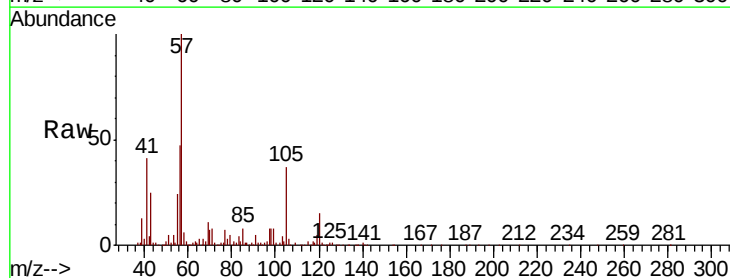
Tgt Ion:119 Resp: 10801

Ion Ratio Lower Upper

119 100

91 0.0 67.5 101.3#

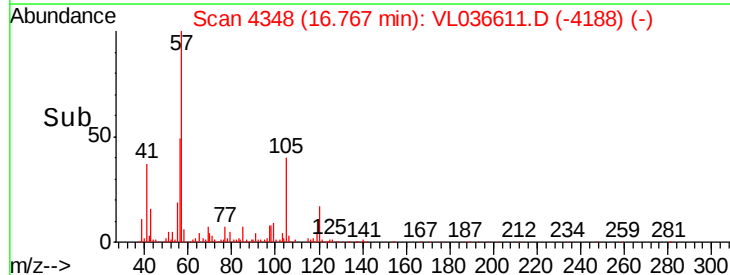
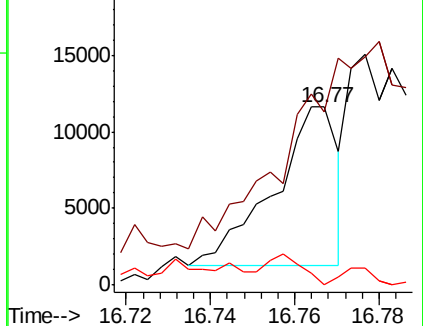
134 25.4 15.8 23.8#

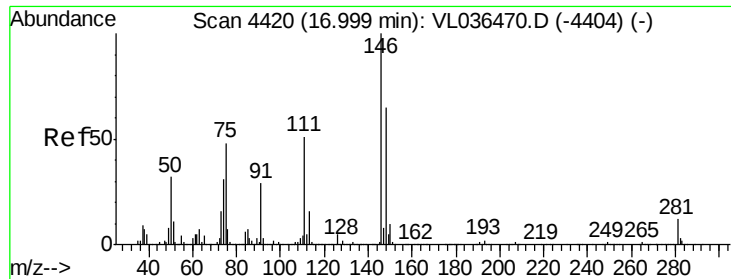


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

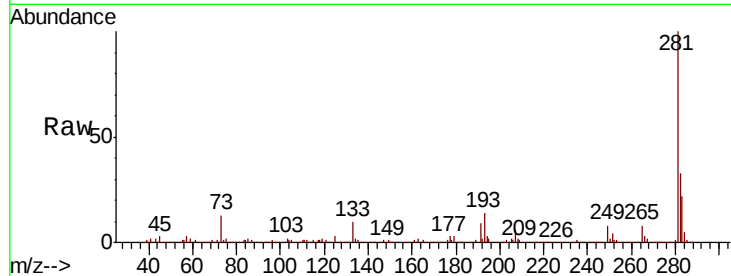




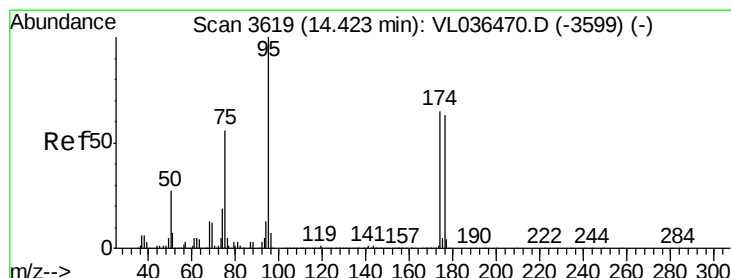
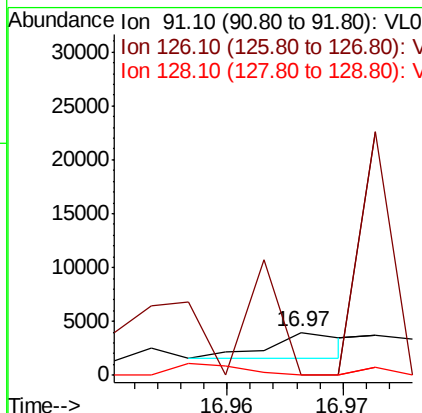
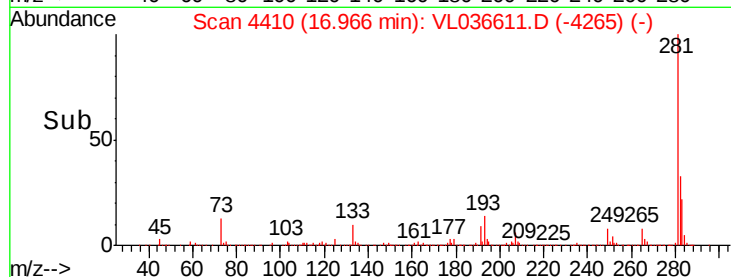
#66
Benzyl Chloride
Concen: 0.021 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.03 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 1106
Ion Ratio Lower Upper
91 100
126 520.4 13.5 20.3#
128 66.3 4.2 6.4#

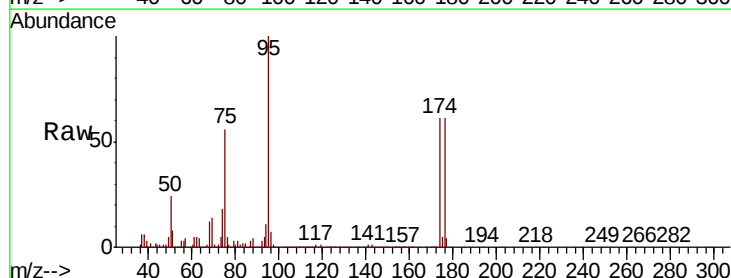


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

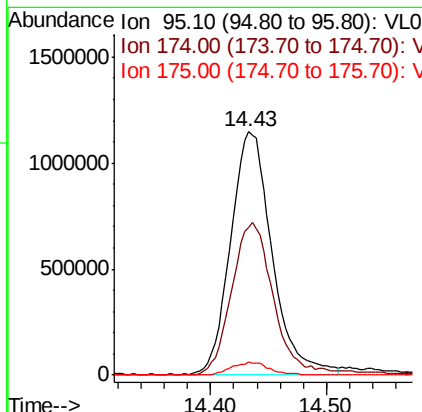
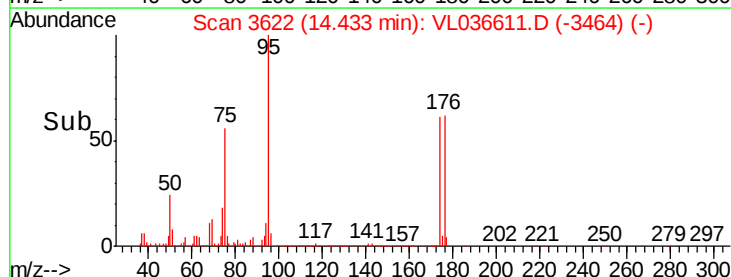


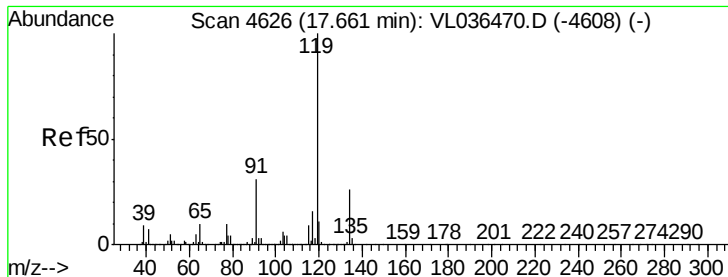
#68
1-Bromo-4-Fluorobenzene
Concen: 10.783 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.01 min
Lab File: VL036611.D
Acq: 31 Mar 2021 21:14

Tgt Ion: 95 Resp: 2819189
Ion Ratio Lower Upper
95 100
174 66.0 51.0 76.6
175 5.1 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

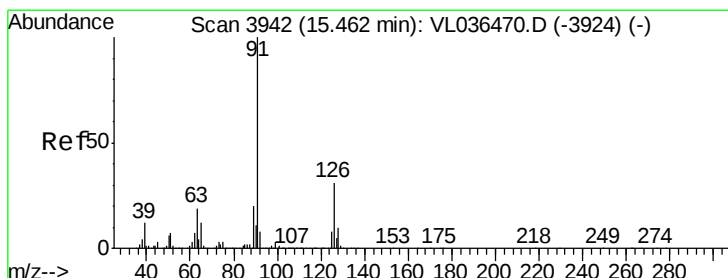
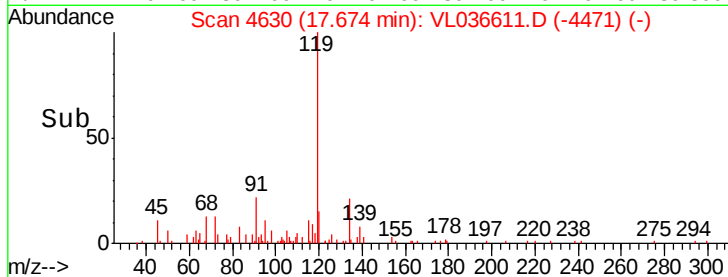
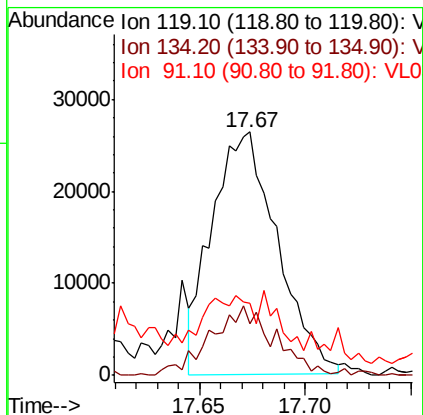
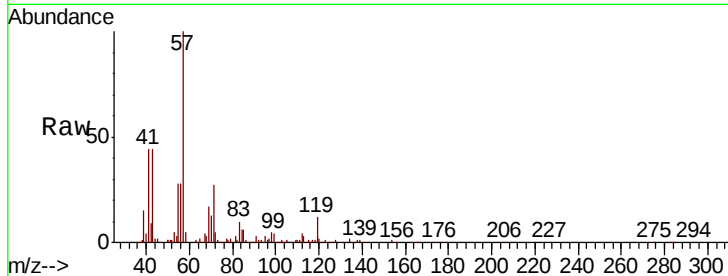




#69
 p-Isopropyltoluene
 Concen: 0.110 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. 0.01 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

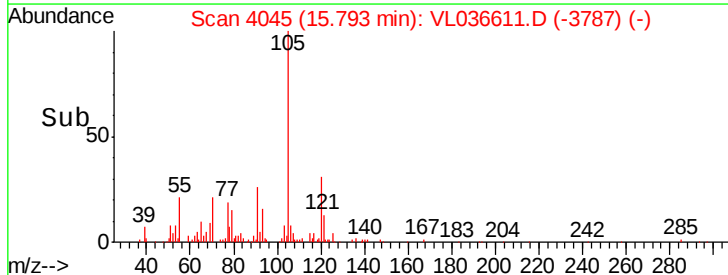
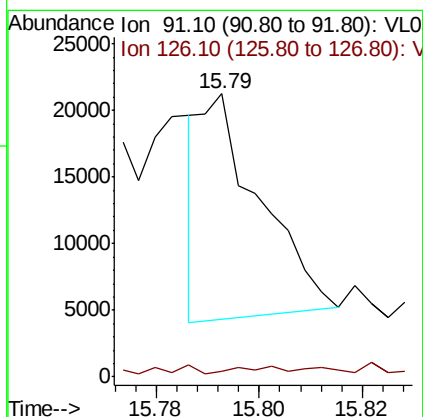
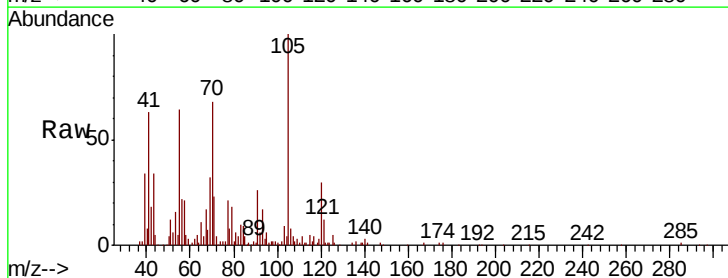
Instrument :
 MSVOA_L
 ClientSampleId :

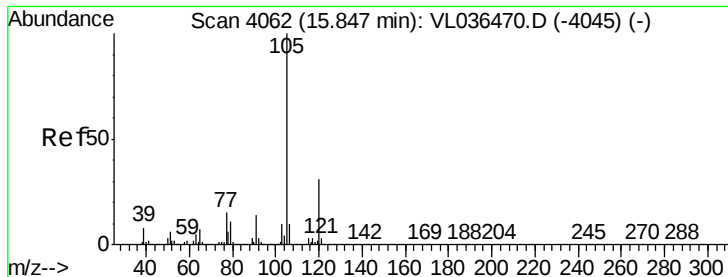
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.5	20.6	30.8
91	41.6	25.0	37.6



#71
 2-Chlorotoluene
 Concen: 0.033 ppbv
 RT: 15.79 min Scan# 4045
 Delta R.T. 0.33 min
 Lab File: VL036611.D
 Acq: 31 Mar 2021 21:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	21.4	12.1	48.5





#72

4-Ethyltoluene

Concen: 0.243 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL036611.D

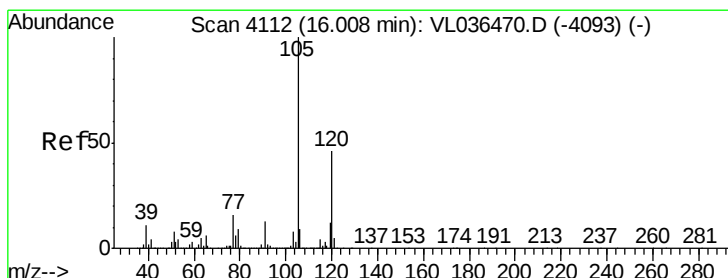
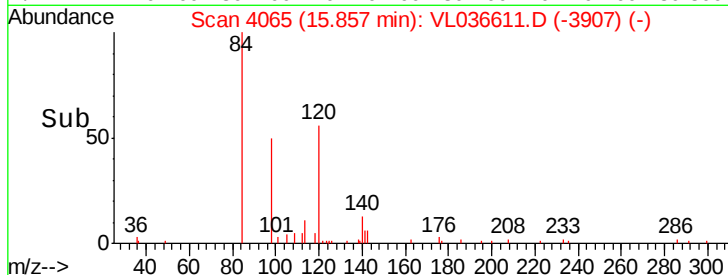
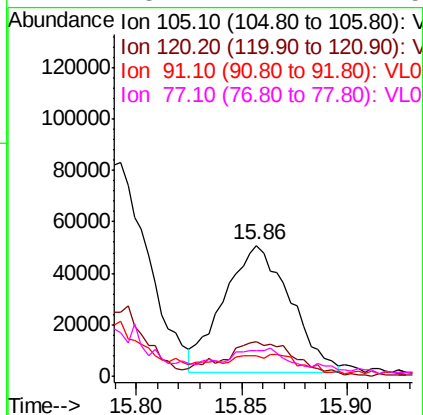
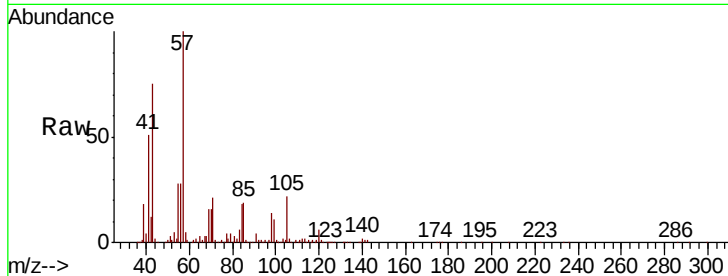
Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	107359
Ion	Ratio	Lower	Upper
105	100		
120	29.3	24.0	36.0
91	15.3	11.0	16.4
77	23.7	11.7	17.5#



#73

1,3,5-Trimethylbenzene

Concen: 0.157 ppbv

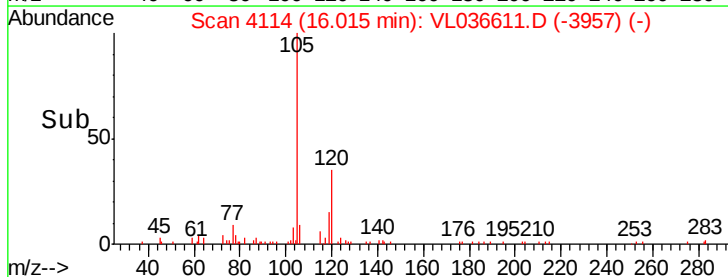
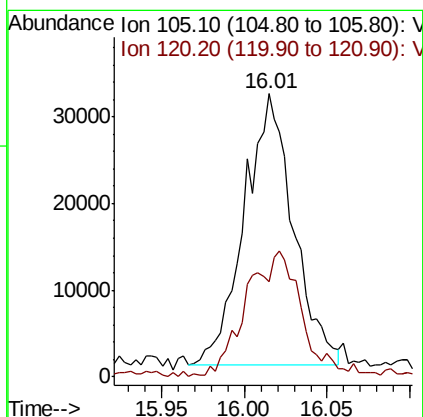
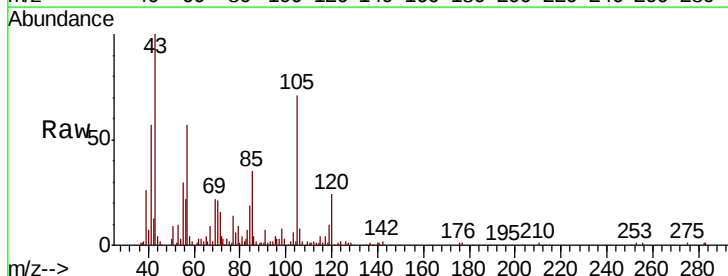
RT: 16.01 min Scan# 4114

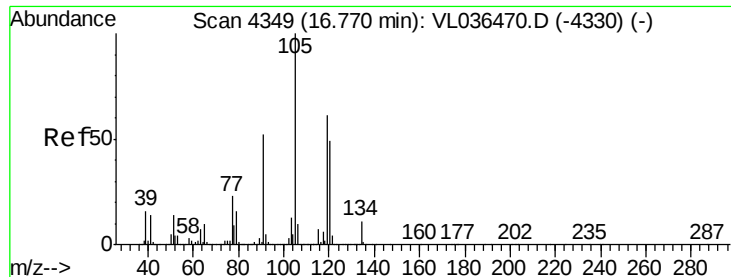
Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Tgt Ion:	105	Resp:	64615
Ion	Ratio	Lower	Upper
105	100		
120	35.1	36.6	54.8#





#74

1,2,4-Trimethylbenzene

Concen: 0.253 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 111488

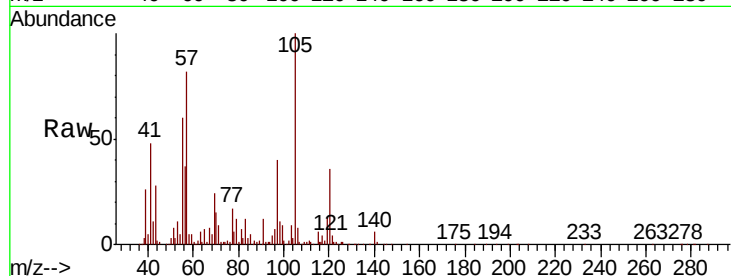
Ion Ratio Lower Upper

105 100

120 34.4 39.2 58.8#

91 10.4 42.6 64.0#

77 13.5 18.6 28.0#

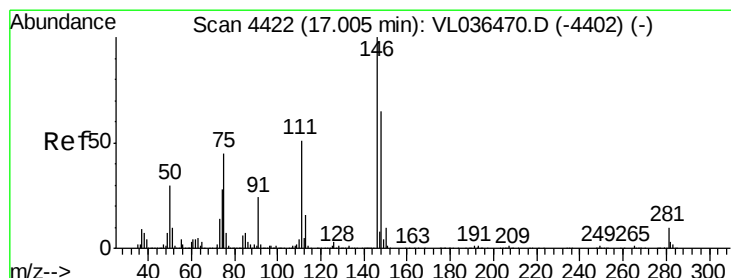
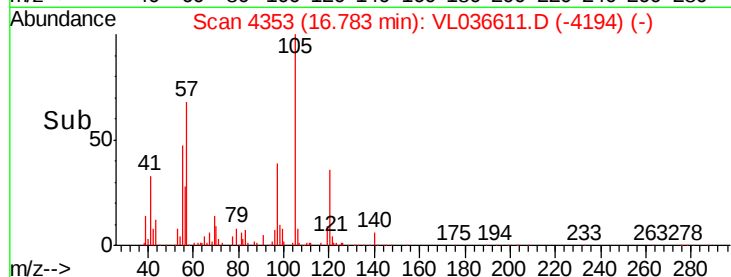
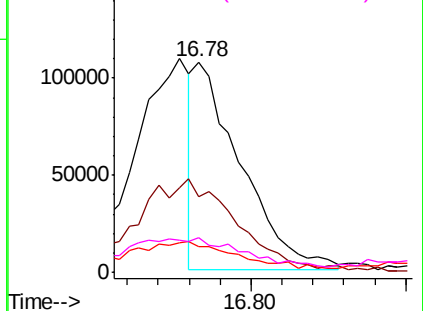


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.024 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. 0.00 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

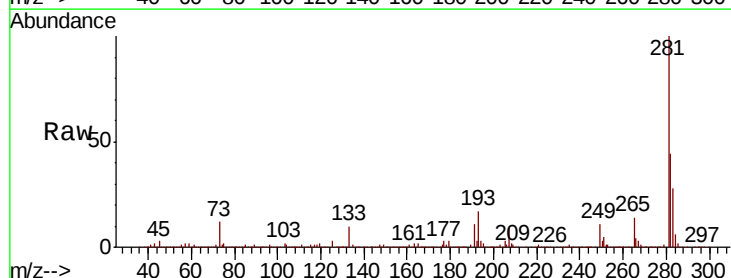
Tgt Ion:146 Resp: 6022

Ion Ratio Lower Upper

146 100

111 0.0 24.5 73.5#

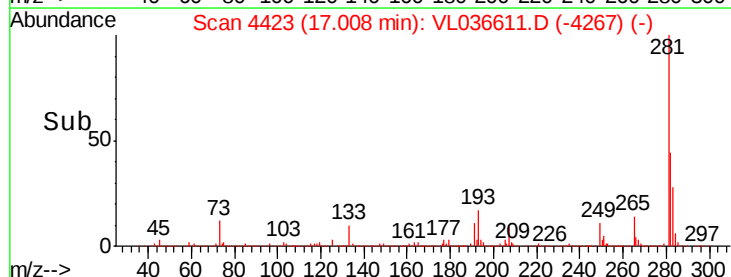
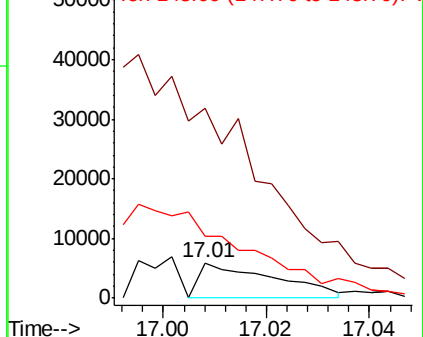
148 0.0 32.3 96.9#

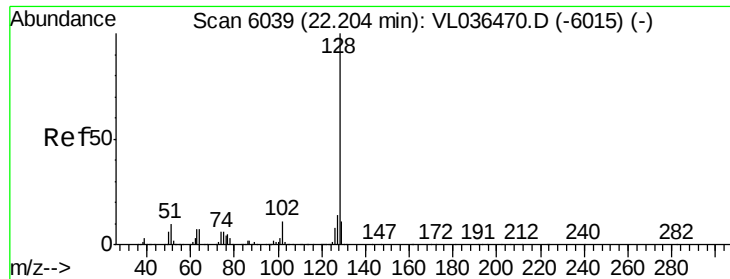


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.037 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. 0.02 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Instrument :

MSVOA_L

ClientSampleId :

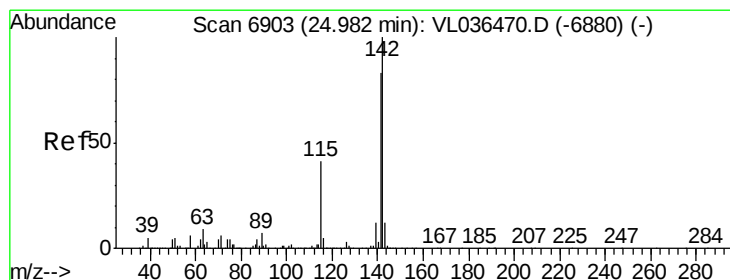
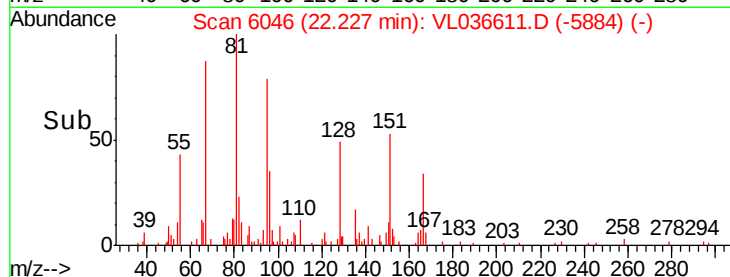
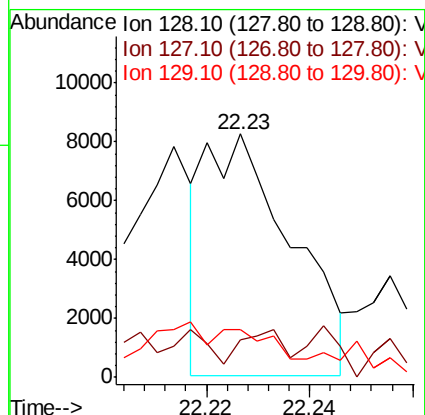
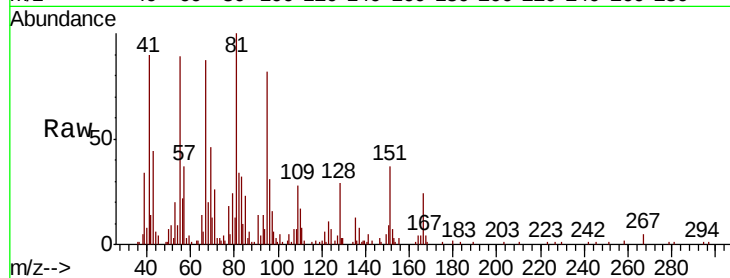
Tot Ion:128 Resp: 9527

Ion Ratio Lower Upper

128 100

127 3.4 10.9 16.3#

129 17.4 9.0 13.4#



#80

Naphthalene, 2-methyl-

Concen: 0.047 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.01 min

Lab File: VL036611.D

Acq: 31 Mar 2021 21:14

Tgt Ion:142 Resp: 2370

Ion Ratio Lower Upper

142 100

141 22.5 67.8 101.8#

115 0.0 34.0 51.0#

